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トンネル内火災実験報告書

―半横流換気における火災実験結果―

昭和63年3月

建設省土木研究所
トンネル研究室

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トンネル内火災実験報告書

—半横流換気における火災実験結果—

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要旨

送気半横流換気方式のトンネルにおいて火災事故が発生したときのトンネル内の状況を考えると，火災の規模，火災の発生位置によっても大きく異なるが，場合によっては天井からの送気を継続すると火災により発生する黒煙が乱されて断面内に拡散し，トンネル内の避難活動等に悪い影響がでることも懸念される。このため，火災発生時における換気設備の適切な運用は被害の拡大を抑制するために極めて重要である。

ここでは，半横流式の換気施設が設置されているトンネルを対象として，火災時の設備運転状況，煙の挙動に関して，実大トンネル実験施設において昭和60年～61年度に実施した実大火災実験の結果を取り纏めたものである。

キーワード：道路トンネル，火災，半横流換気方式，煙濃度

まえがき

道路トンネル内において自動車火災事故が発生することは極めてまれであるが，一旦火災が発生した場合の被害は重大なものとなる可能性がある。これは，トンネルが一般の明り部と異なり閉鎖された空間であるため，火源から発生する煙等がトンネルに沿って拡大することに因っている。その結果，トンネル利用者の避難に必要な視界の阻害や刺激臭，有毒ガス等による生理的影響など種々の問題が生じることが懸念される。この対策として，道路トンネルには，「道路トンネル非常用施設設置基準」（建設省都市局長・道路局長通達，昭和56年4月21日）等に基いてその延長，交通量に応じて非常用施設を始めるとする種々の施設が設置されている。

この報告書は，半横流式の換気施設が設置されているトンネルを対象として，火災時の設備運転状況，煙の挙動に関して，実大トンネル実験施設において昭和60年～61年度に実施した実大火災実験の結果を取り纒めたものである。本研究成果が半横流換気方式のトンネルの換気施設の計画，設計及び運用を検討する上での参考となれば幸いである。

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目　　次

まえがき
1．実験目的 …… 1
2．実験内容 …… 2
2.1　実験施設 …… 2
2.2　実験概要 …… 5
2.3　火　　源 …… 5
2.4　実験条件 …… 7
2.5　測定項目及び測定方法 …… 15
3．実験結果 …… 21
3.1　熱気流の流動の概況 …… 21
3.1.1　熱気流の流動状況 …… 21
3.1.2　熱気流の成層状況 …… 21
3.1.3　熱気流の流量速度 …… 26
3.1.4　発煙速度 …… 27
3.1.5　受熱輻射量 …… 27
3.1.6　熱気流内温度の距離減衰 …… 29
3.1.7　熱気流速度の距離減衰 …… 32
3.1.8　火源の相似性の検討 …… 32
3.2　換気運用と煙の流動状況 …… 34
3.2.1　煙の流動の概況 …… 34
3.2.2　煙の遡上現象 …… 35
3.2.3　煙層の先端部の形状 …… 36
3.2.4　煙の流動速度 …… 40
3.2.5　天井ダクトへの自然排煙効果 …… 41
3.2.6　天井ダクトによる強制排煙効果 …… 43
3.2.7　天井ダクトから送気する場合 …… 45
4．ま と め …… 48
資 料 編 …… 49
1．燃焼時の煙の拡大状況 …… 49
2．燃焼中の測定値（温度，煙濃度，風速値） …… 65
3．燃焼中の風速，輻射量の測定値 …… 164
4．メチルアルコールの燃焼 …… 176

1．実験目的

送気半横流換気方式のトンネルにおいて火災事故が発生したときのトンネル内の状況を考えると，火災の規模，火災の発生位置によっても大きく異なるが，場合によっては天井からの送気を継続すると火災により発生する黒煙が乱されて断面内に拡散し，トンネル内の避難活動等に悪い影響がでることも懸念される。このため，火災発生時における換気設備の適切な運用は被害の拡大を抑制するために極めて重要である。

実験は，非常時における換気設備の有効な運用方法を検討するための基礎資料を得ることを目的として，半横流換気方式のトンネルにおいて，換気機の送気運用，排気運用及び停止運用を行った場合におけるトンネル車道内の煙の流動状況について実大規模の火災試験により検討したものである。

2．実験内容

2.1　実験施設

土木研究所内の実大トンネル実験施設の概要を図2.1，表2.1に示す。(写真2.1)

火災実験を実施した区間は延長400 mの鉄筋コンクリート構造部分で図2.1(b)に示すように天井ダクトが設けられている。車道の下には下部ダクトが設けられている。天井板および車道路側部には，換気風を送気または排気するためのスロット(図2.2, 写真2.2)設けられている。スロットの面積は0.163 m²(163 mm×1000 mm) で1断面に左右2個ずつ設けられており，設置間隔は5 mである。各スロットの開度は，それぞれ任意に設定することができる。換気施設は，表2.1に示す仕様の送風機と排風機が1台ずつ設置され，換気所内に設置されたダンパーおよびコーナーベーンの調節によりトンネル空間（天井ダクト，下部ダクト，車道）に換気風を任意に送気または排気をすることができる。

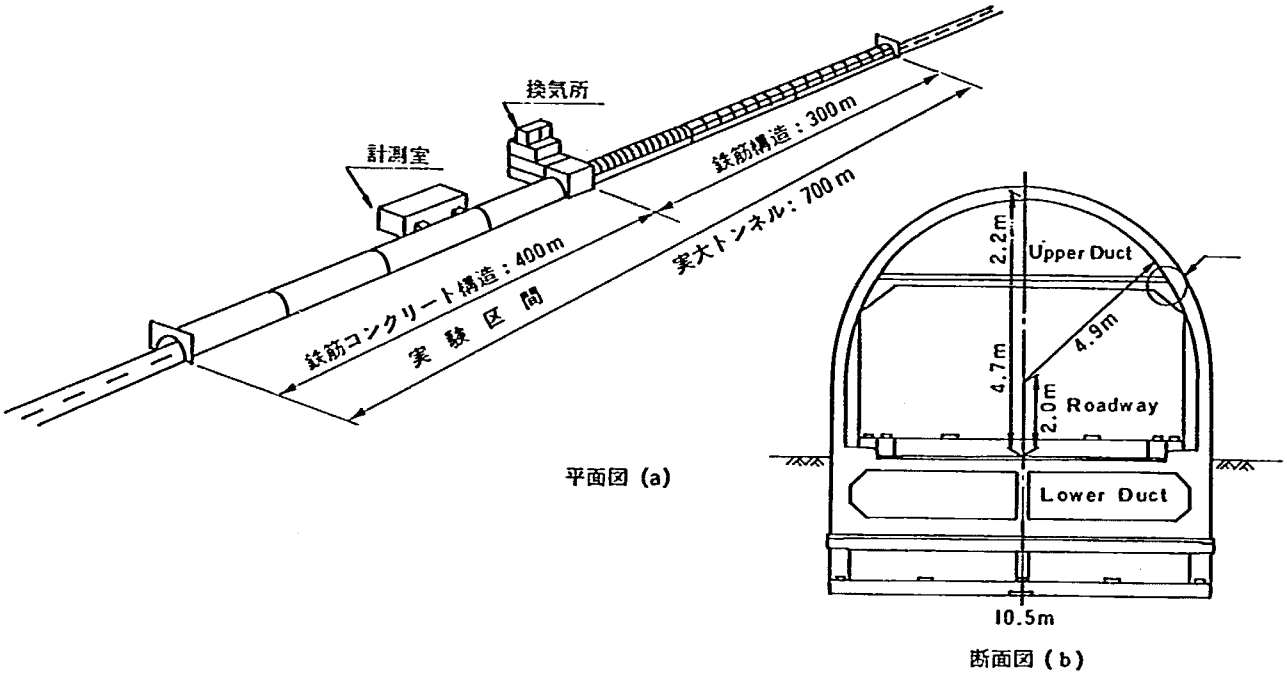


図2.1　実大トンネル実験施設の概要

表2.1　実大トンネル実験施設

(1)　トンネル本体

（延長）鉄筋コンクリート構造：400m

鋼　　構　　造：300m

（標準断面）車　　道：　幅　9.8m

：高　さ6.9m

：断面積57.3m²

：　〃　45.5m²

地下ダクト：11.8m²

天井ダクト：11.8m²

送風機および排風機　　各1台

（形　式）　横形軸流送風機

（口　径）　3,700mm

（風　量）　300m/sec

（全風圧）　140mm 水柱

（回転数）　515rpm

（流体継手により30～100%連続可変速）

（電動機）　600kW

（逆転風量）　正転時の75%

（その他）　ダンパー操作により，車道，地下ダクトまたは天井ダクトへ送排風の切り換え可能

非常用施設

水噴霧設備，消火栓，等

（放水区画）　@25m×4区画

（放水量）　路面1 m²につき10ℓ/分（最大）

（水噴霧ヘッド）　@5 m対向配列

（ポンプ）　5 m³/分　2台

（貯水槽）　250m³

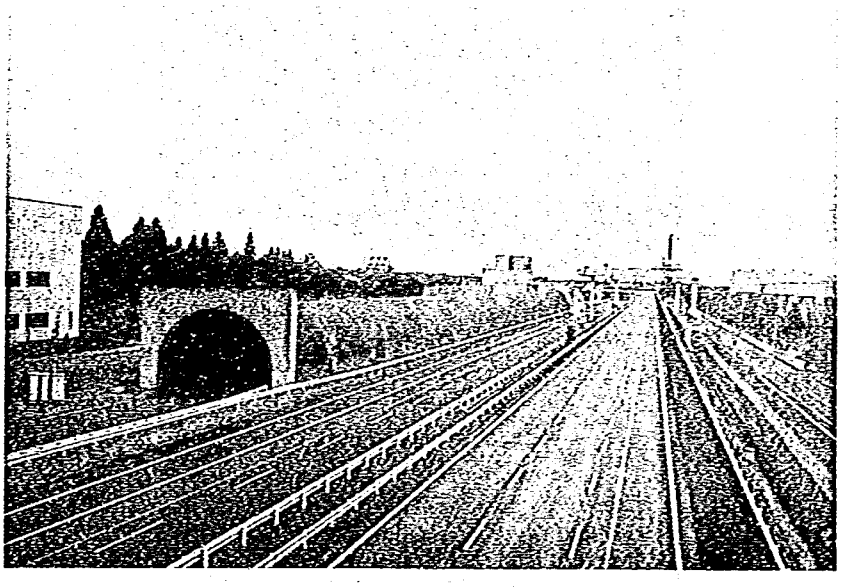


写真2.1　実大トンネル（北側坑口より望む）

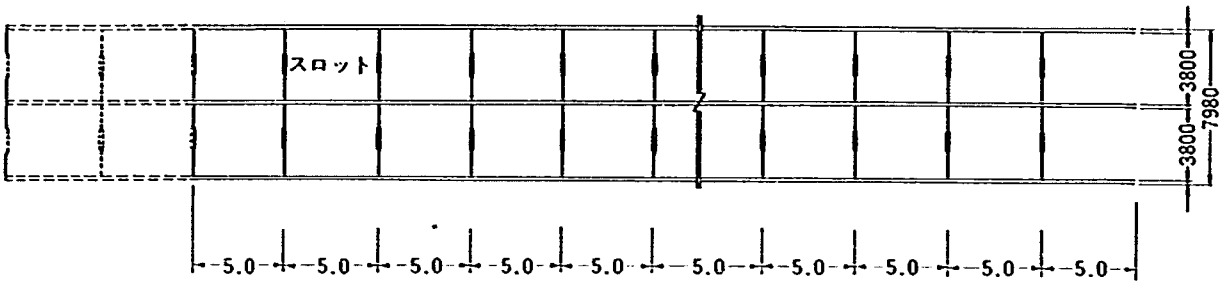
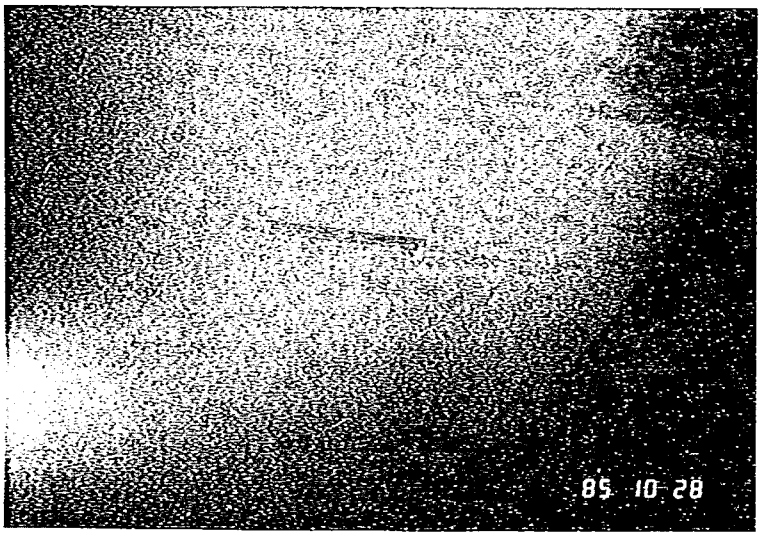
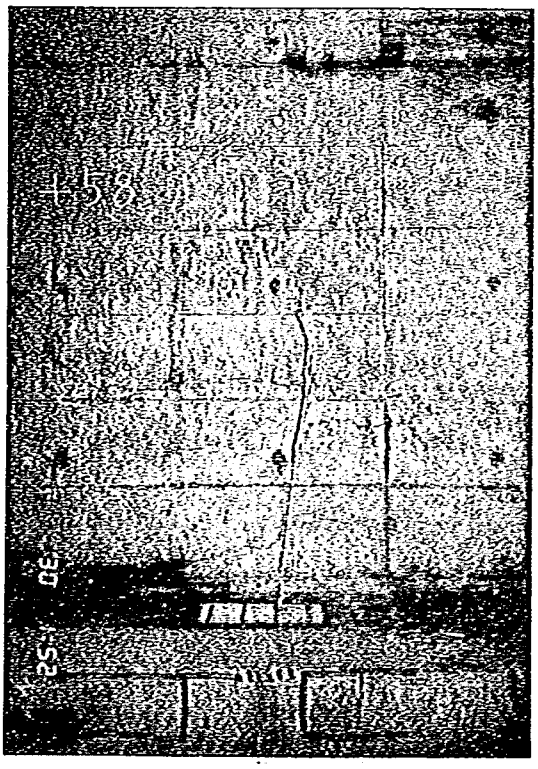


図2.2　換気用スロット配置図（天井板）



a　天井板スロット



b　路側スロット

写真2.2　換気用スロット

2.2 実験概要

実験は，実大トンネルの中央シャッターを閉鎖して，中央シャッターより 85 m および 100 m 地点(後出の図 2.6(a)参照）に火源を置いた。燃焼物には，アルコール（メタノール）を用いた。煙は，白色発煙筒を用いて発生させた。燃焼状況は，写真により撮影し，燃焼によって発生する温度上昇(熱気流)，煙，風速，受熱輻射量を連続的に測定した。

実験中の換気は，天井板のスロットから送気または排気した。スロットからの送排気量は，単位長さ当りの風量が均一となるようにスロット開度を調整し，基準の送気風量は 200 m^3/sec/km，排気風量は送気風量の 60%とした。

2.3 火　源

火源は，実験条件を揃えるため，燃焼状況に伴う発熱量やその時間的変動がないものとすることが望ましい。このため実験では，燃焼速度が安定している 1 m^2のアルコール火皿(36 ℓ/m)を組合せて用いた。自由燃焼時におけるアルコールの平均液面低下速度は，1.5 mm/min である。

火災規模は，自動車の単独火災事故を想定するものとし，火皿面積により調節した。火皿面積は，過去の実験事例等を参考として，2 m^2，4 m^2 および 8 m^2 の 3 種類とした。アルコールは，その燃焼により煙を発生しないため，火災時の煙の広がりを再現するため，発煙筒（気密試験用発煙筒。白色煙を発生する）を火皿 1 m^2 に 1 本の割合（例えば 2 m^2 の時 2×3＝6 本）で発煙させた。火皿および発煙筒の設置状況を図 2.3 に，火皿の燃焼状況および発煙状況を写真 2.3 に示す。

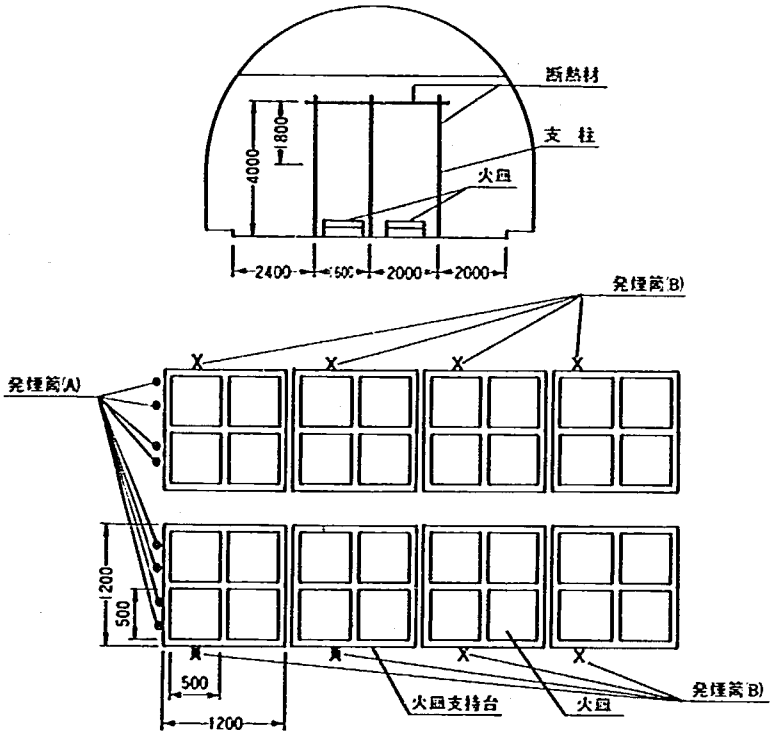
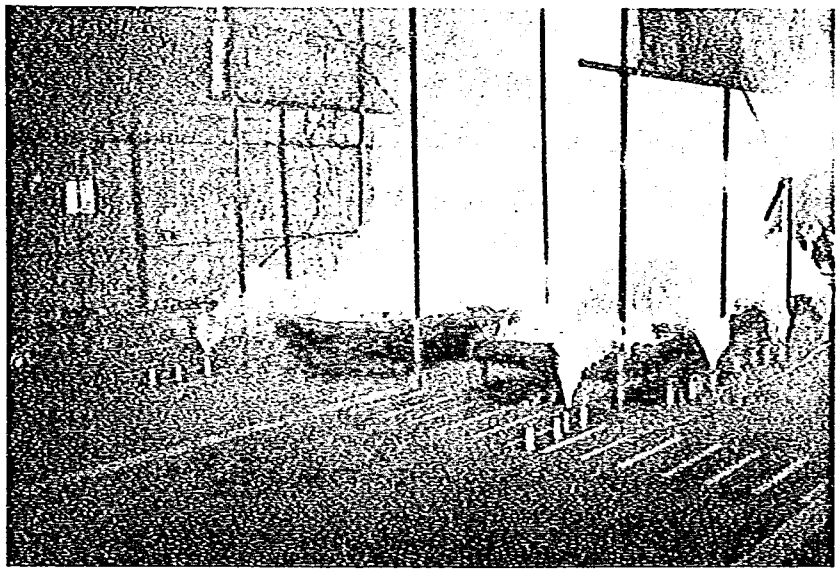
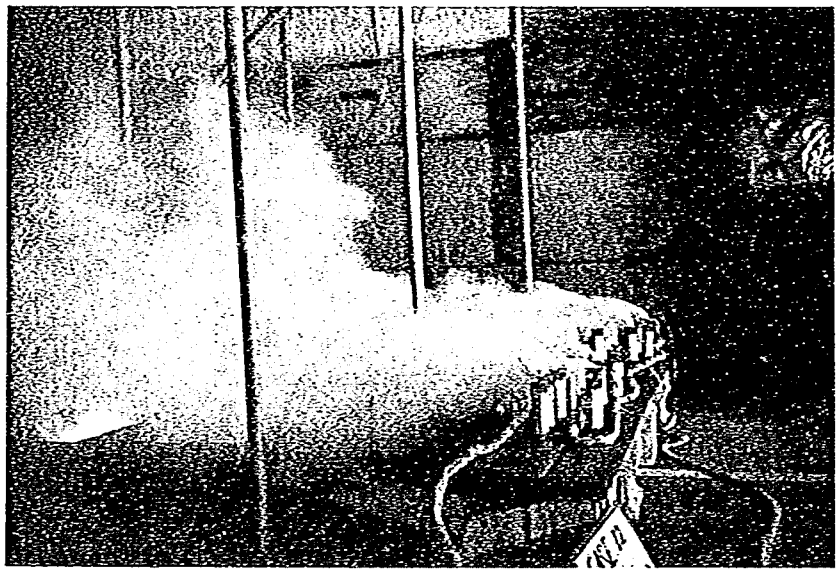


図2.3　火皿の設置状況



a　車道内無風



b　車道内有風

写真2.3　火皿の燃焼状況

2.4 実験条件

実験条件は，火災の規模，車道内風速および換気風量がトンネル内の環境に与える影響を調べるため，これらの要素を表2.3に示すような組合せとした。

車道内風速は，実際の道路トンネルの自然換気風を再現するため送風機（後出の図2.6(a)参照）を運転して設定した。車道内風速の設定は，0 m/sec，1 m/sec，2 m/sec，2.5 m/sec とした。

基準とする換気風量は，一般のトンネルにおける平均的な換気量を考慮して送気風量を 200 m^3/sec/km とした。排気風量は，送風機を逆転したときの効率を考慮して 60%とし，120 m^3/sec/km とした。

実験における送気量および排気量は，この基準風量を，実験時の換気区間長に換算して表2.4のように設定した。

スロットの送排気量は，単位長さ当たりの風量が均一となるようにスロット開度を調節した。スロット開度設定値を図2.4に示す。

図2.5は，各実験条件における換気運用の概要図を示したものである。

表2.3 実 験 条 件 一 覧 表

No	ケース番号	実験	実験中の番号	火皿面積 (m²)	車道内風速 (m/sec)	換気の状況	換気風量 (m³/sec/m)	スロットの状況	
1	2A−0−0	B	CACE 1	2	0	なし	—	天井 閉 路側 閉	
2	4A−0−0		2	4					
3	8A−0−0 I		3	8					
4	8A−0−0 II	A	13						
5	2A−1−0	B	A	2	1			天井 開 路側 閉	
6	4A−1−0		B	4					
7	8A−1−0		C	8					
8	2A−2−0		13	2	2				
9	4A−2−0		14	4					
10	8A−2−0		15	8					
11	2A−0−排	A	3	2	0	排気運用 (天井スロット)	0.12		
12	4A−0−排		2	4					
13	8A−0−排		1	8					
14	2A−1−排		6	2	1				
15	4A−1−排		5	4					
16	8A−1−排		4	8					
17	2A−2−排	B	7	2	2				
18	4A−2−排		9	4					
19	8A−2−排		11	8					
20	4A−2.5−排		10	4	2.5				
21	8A−2.5−排		12	8					
22	2A−0−S	B	(A)	2	0	なし	—	天井 開 路側 閉	
23	8A−0−S		6	8					
24	8A−0−送 I	A	7			送気運用 (天井スロット)		スロット吹出風速	Vs=5m/s
25	8A−0−送 II		8						Vs=10m/s
26	8A−0−送 III		9						Vs=20m/s
27	2A−0−送 (路側)		12	2		送気運用 (路側スロット)			
28	4A−0−送 (路側)		11	4					
29	8A−0−送 (路側)		10	8					

No. 1〜No. 4 は，天井スロットを全閉とし，車道内無風の状況における車道内の環境を把握するものとした。
No. 5〜No. 10 は，天井スロットを開き，換気設備を停止運用とし，車道内風が吹いている場合の煙の流動状況を把握するものとした。
No. 11〜No. 21 は，天井スロットによる排気運用を行った場合の排煙効果を把握するものとした。
No. 22，No. 23 は，車道内無風，換気停止運用の場合における，天井スロットによる自然排煙効果を把握した。
No. 24〜No. 26 は，火災発生後に，天井スロットからの送気運用を続けた場合の車道内環境を把握した。このとき，スロット吹き出し風速を Vs=5m/sec，10m/sec，20m/sec とした。
No. 27〜No. 29 は，下部ダクトから路側スロットによる送気運用を続けた場合の車道内環境を把握した。

表2.4　送気風量・排気風量の設定値

実　　験	換気区間長	送気風量	排気風量
A 実　験	212.6m	43m³/sec	26m³/sec
B 実　験	315m	—	36m³/sec

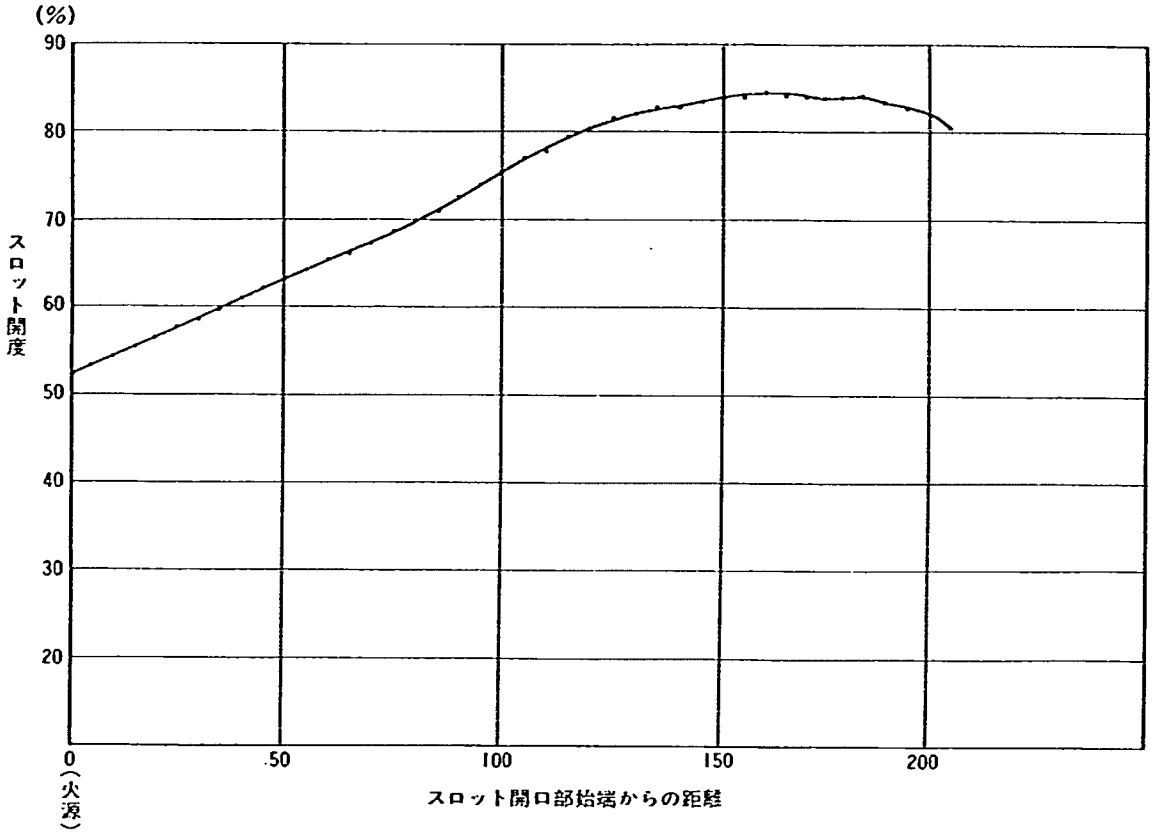


図2.4(a)　天井のスロット開度設定値A実験（排気運用）

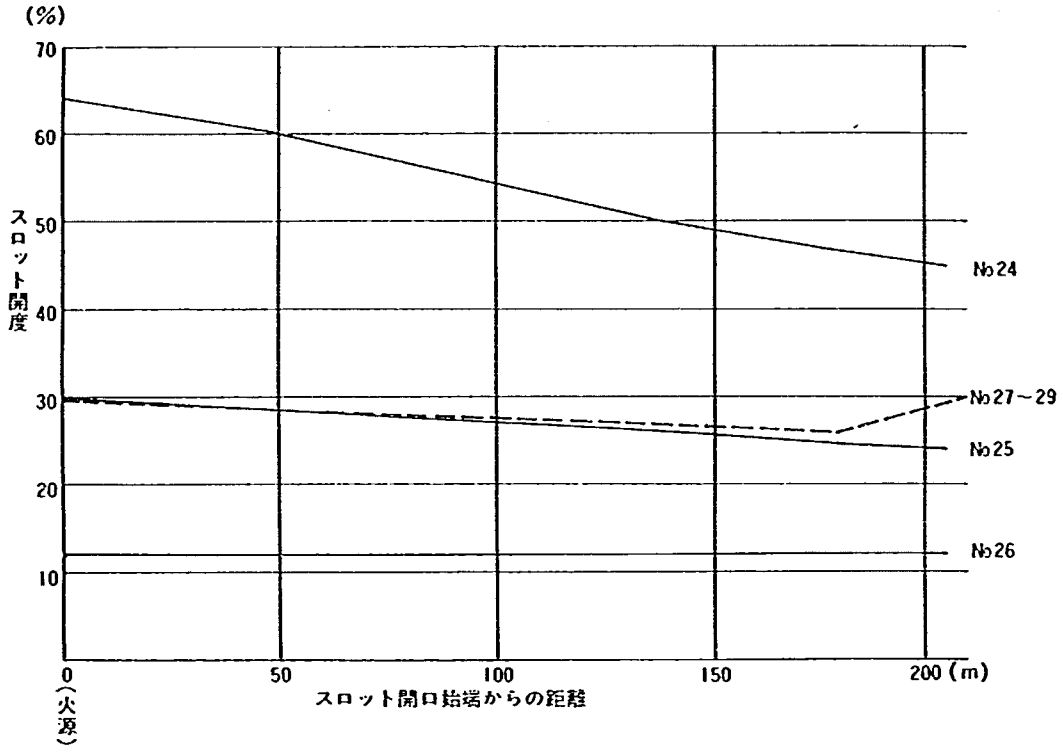


図2.4(b)　天井のスロット開度設定値A実験（送気運用）

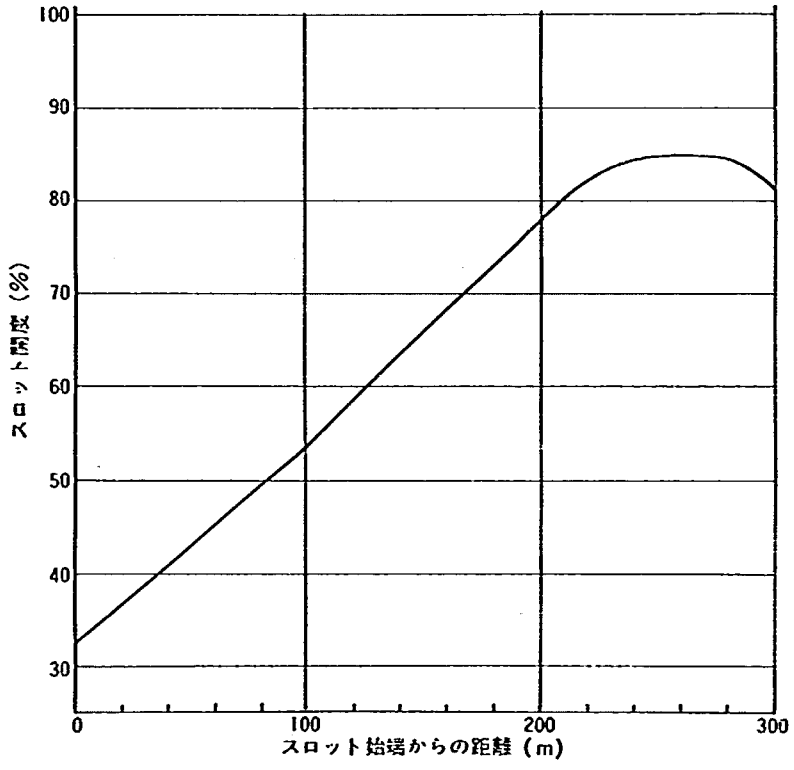


図2.4(c)　天井のスロット開度設定値B実験（排気運用）

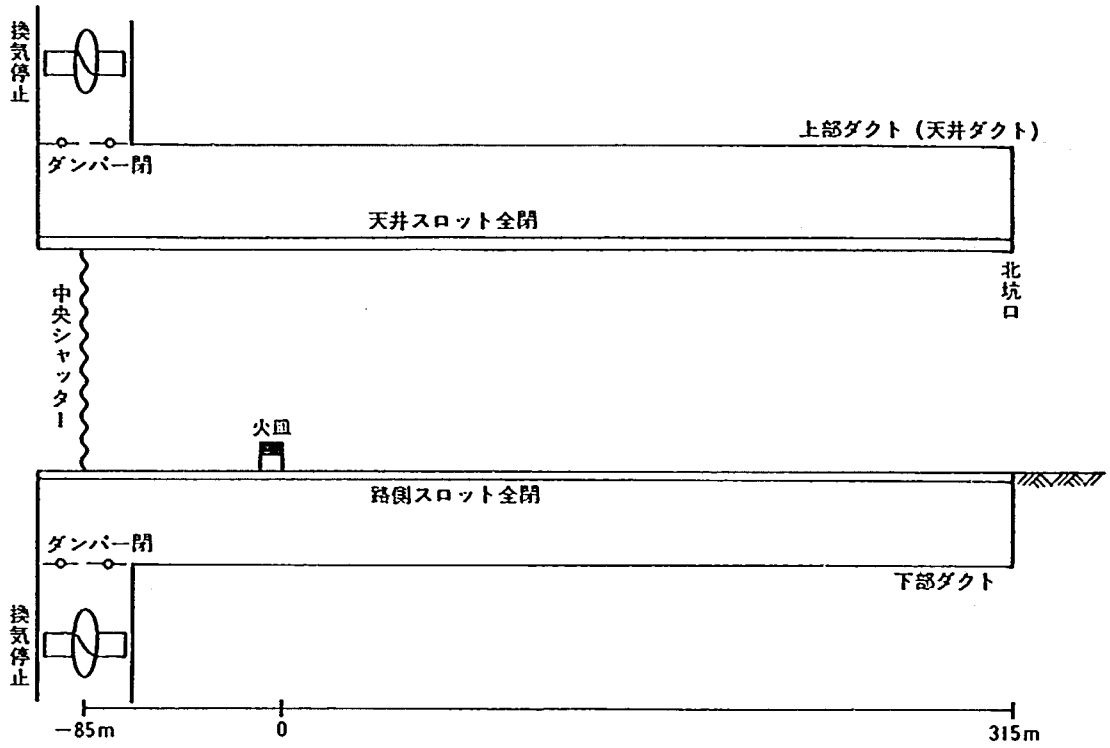


図2.5(a)　換気は停止運用B実験（No. 1〜No. 4）

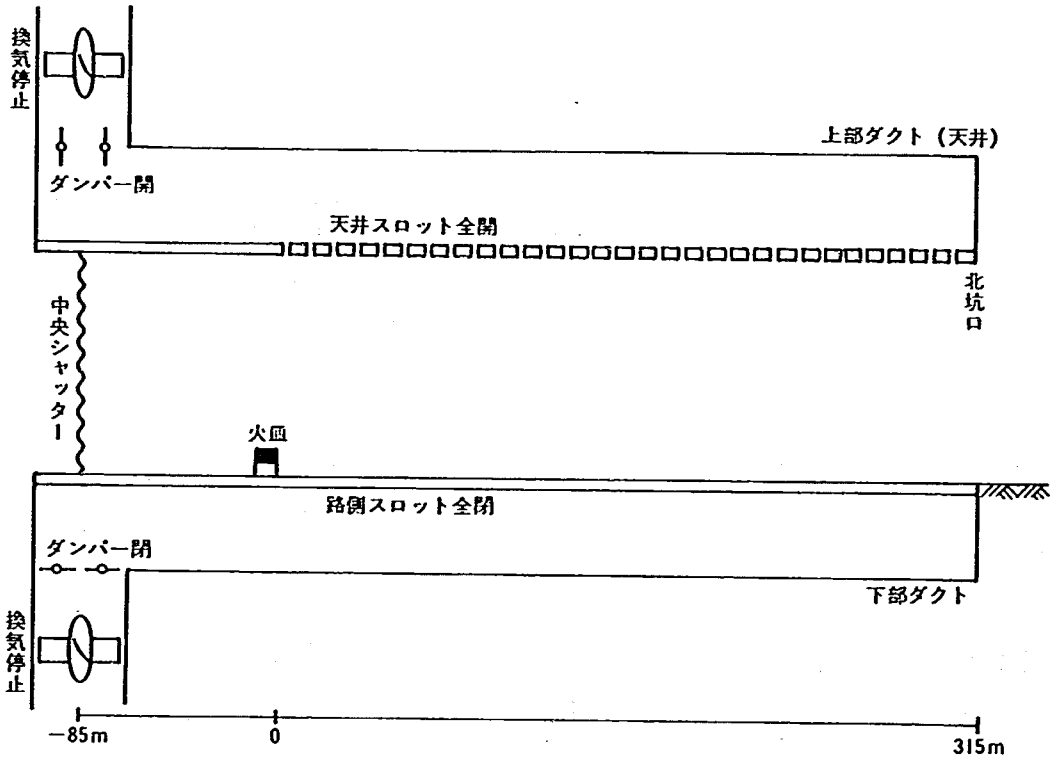


図2.5(b)　換気は停止運用B実験（No. 22〜No. 23）

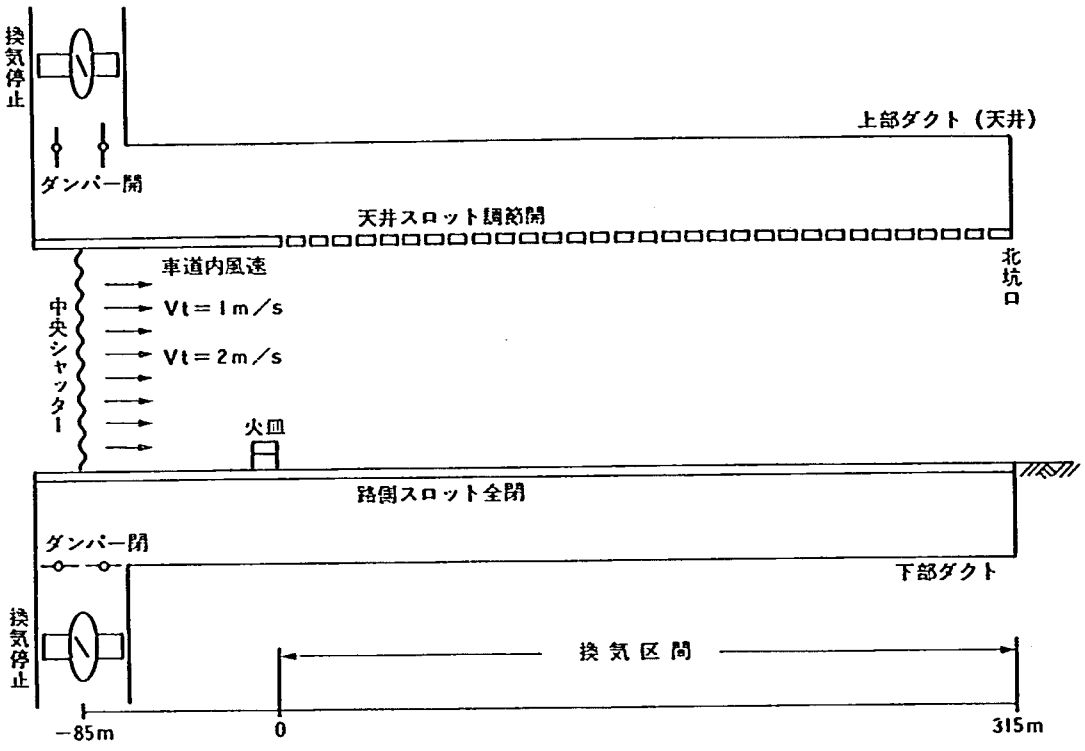


図2.5(c) 換気は停止運用B実験（No. 5〜No. 10）

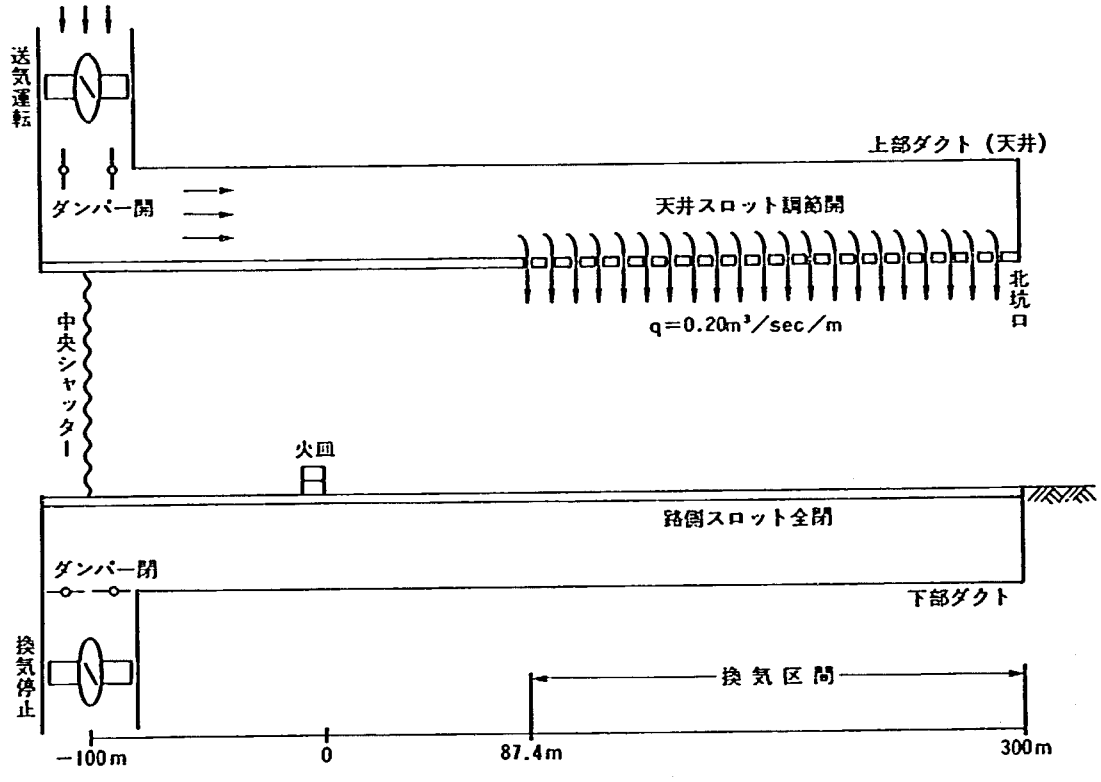


図2.5(d) 換気は天井送気運用A実験（No. 24〜No. 26）

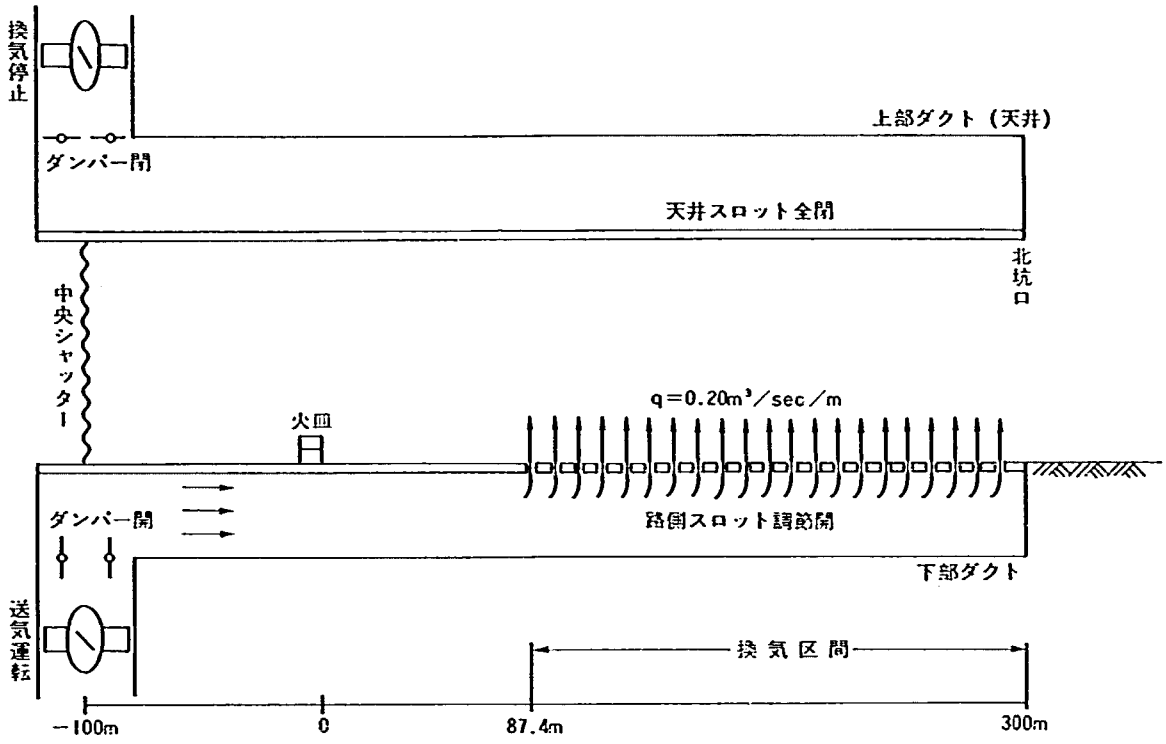


図2.5(e)　換気は路側送気運用A実験（No. 27～No. 29）

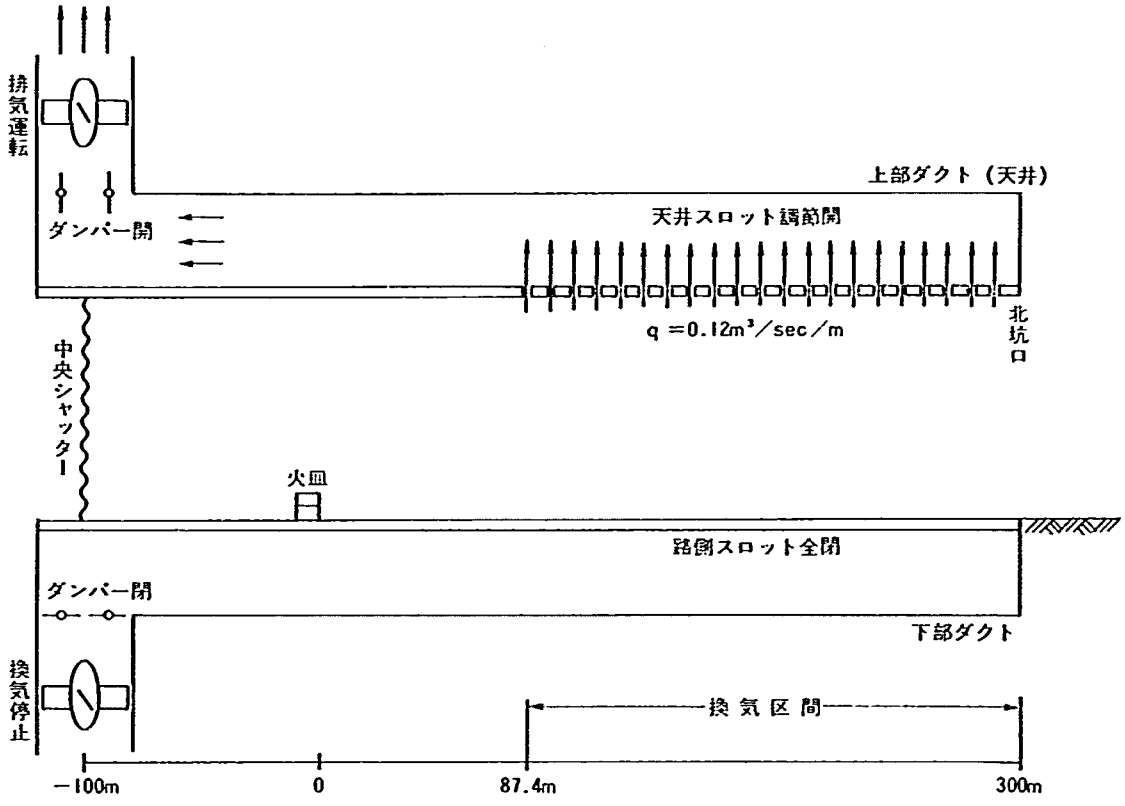


図2.5(f)　換気は天井排気運用A実験（No. 11～No. 16）

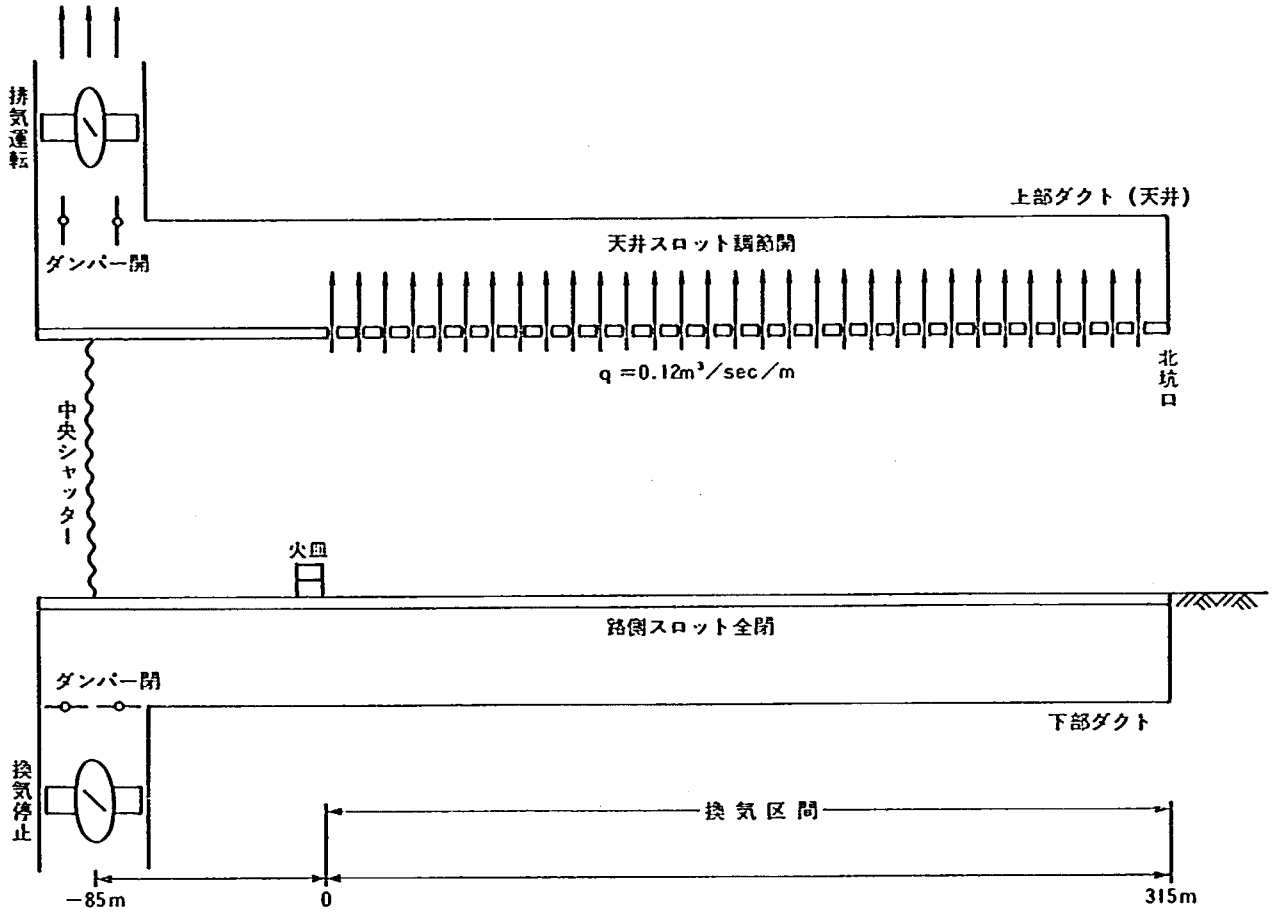


図2.5(g)　換気は天井排気運用A実験（No. 14～No. 21）

2.5 測定項目および測定方法

2.5.1 測定項目，測定機器，測定点数

トンネル内の主な測定項目，測定機器および測定点数，表2.5に示す。

表2.5 測定項目，測定装置，測定点数

測定項目	測定機器名	型　式	数　量	測点数	
				A実験	B実験
温　度	多点デジタルコントローラー	タケダ理研の TR—2731	1台	73	70
	センサーターミナル	TR—2741	2台		
	熱　電　対	クロメルアルメル	1式		
煙濃度	煙濃度計	光透過式	40台	40	40
風　速	風　速　計	ギ　ル　型	18台	18	18
輻射量	輻射量計	RE—4	1台	1	1
屋外風向風速	風向風速計		1式	0	1
写真記録	カ　メ　ラ		1式	1	8
VTR記録	VTR装置		1式	1	1
データ収録装置	ミニコンピュータ	MELCOM 70	1式		

2.5.2 実験設備，測定点の配置

実験設備の配置図および測定点の配置図を図2.6に示す。中央シャッターは閉鎖し，北坑口は全開とした。火皿は，車道の中央に2列に並べ，火皿の北坑口側の端部を測定上の基準点(0 m)とした。実験は，60年度にA実験を，61年度にB実験を実施した。

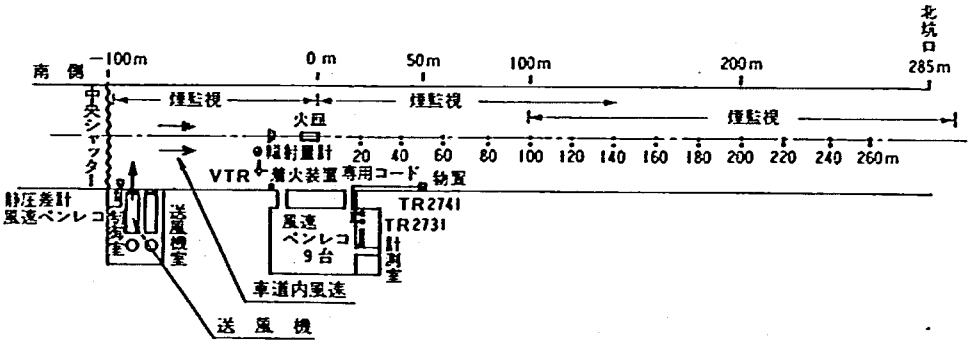


図2.6(a) 実験設備の配置

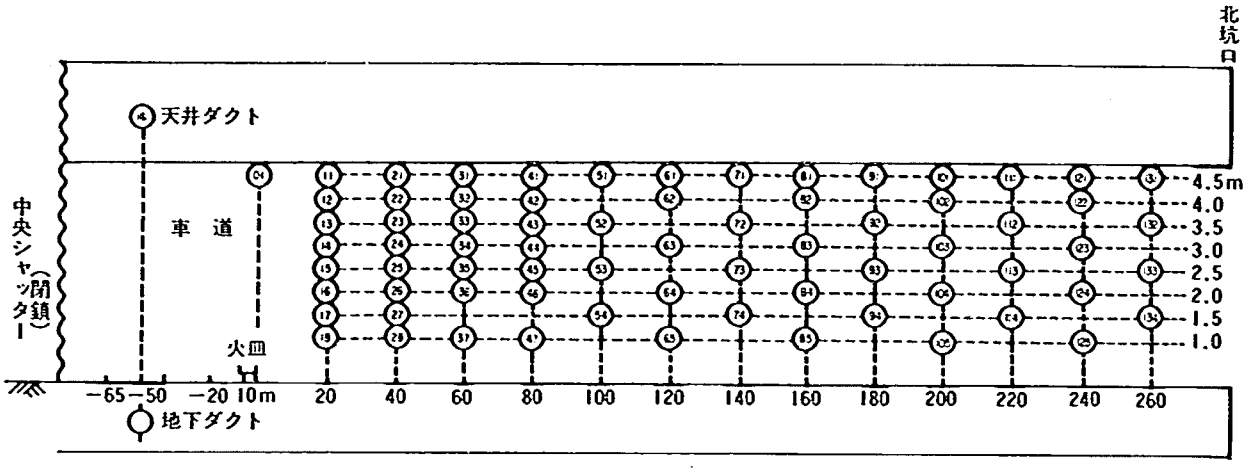


図2.6（b.㋑）　温度測定点の配置図（A実験）

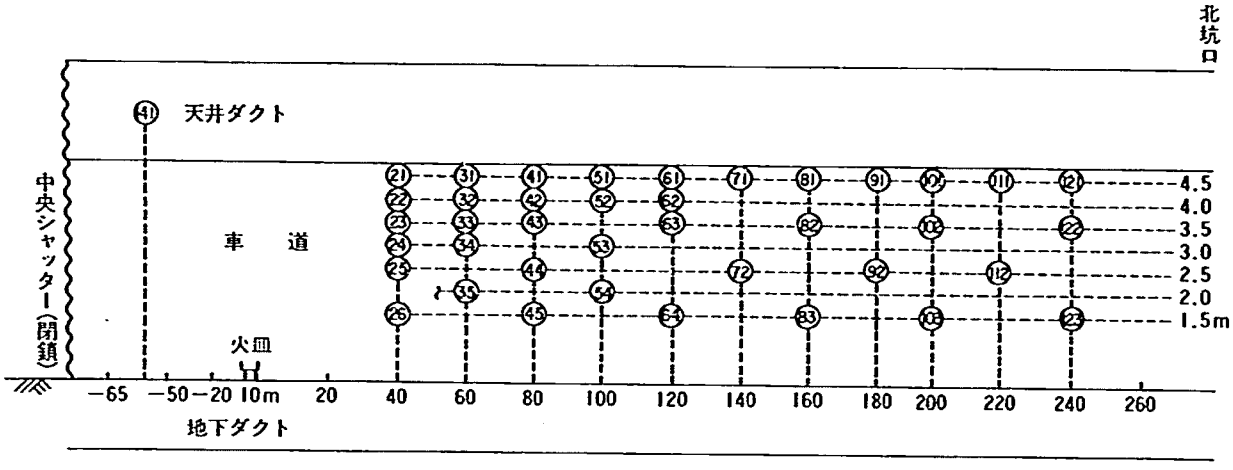


図2.6（b.㋺　煙濃度測定点の配置図（A実験）

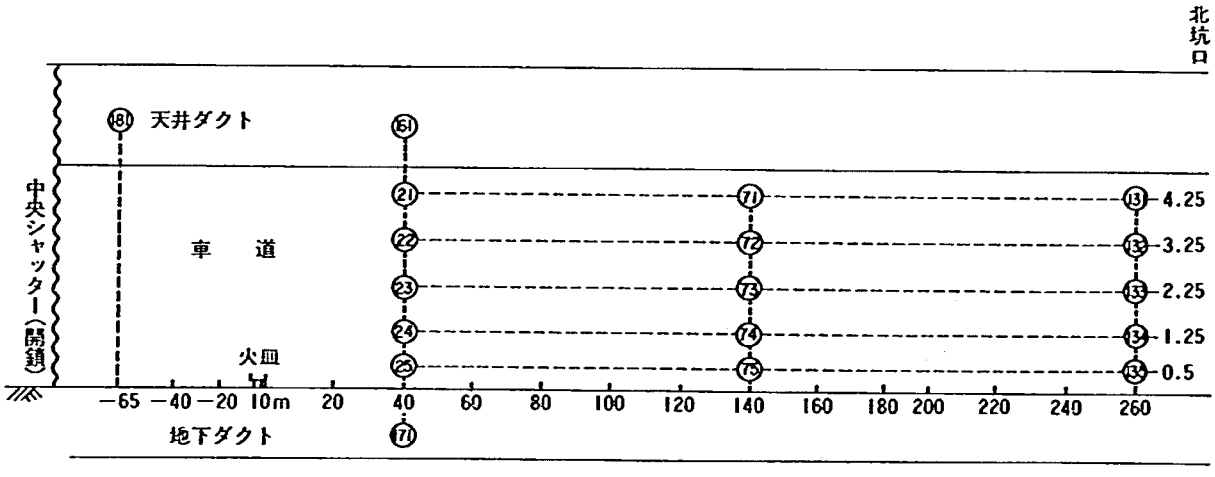


図2.6（b.㋩）　風速測定点の配置図（A実験）

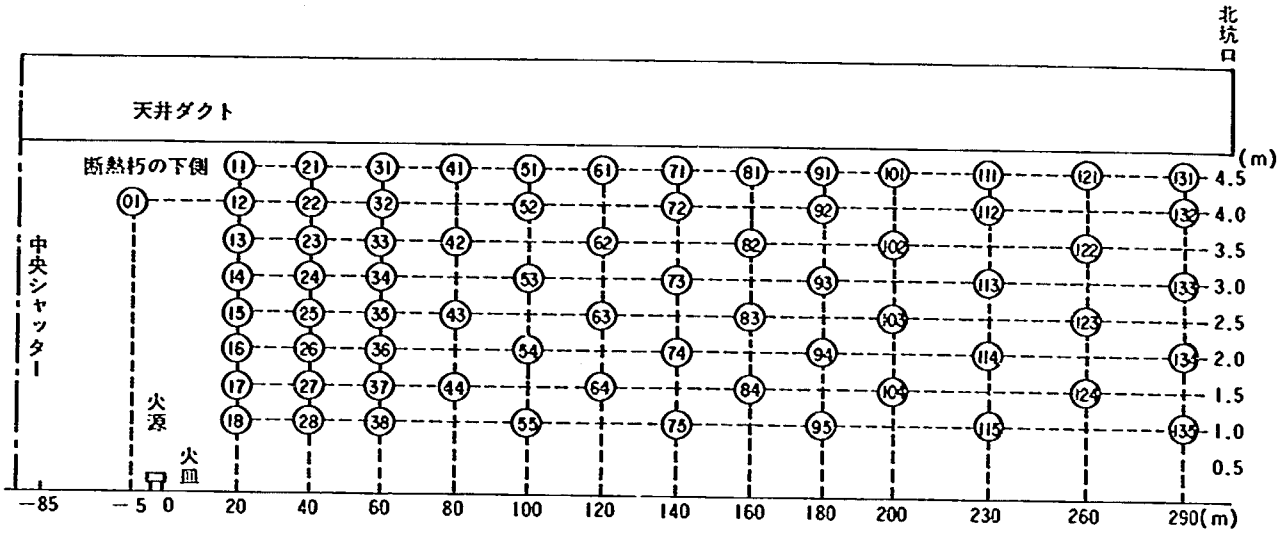


図2.6(c.㋑) 温度測定点の配置図 (B実験)

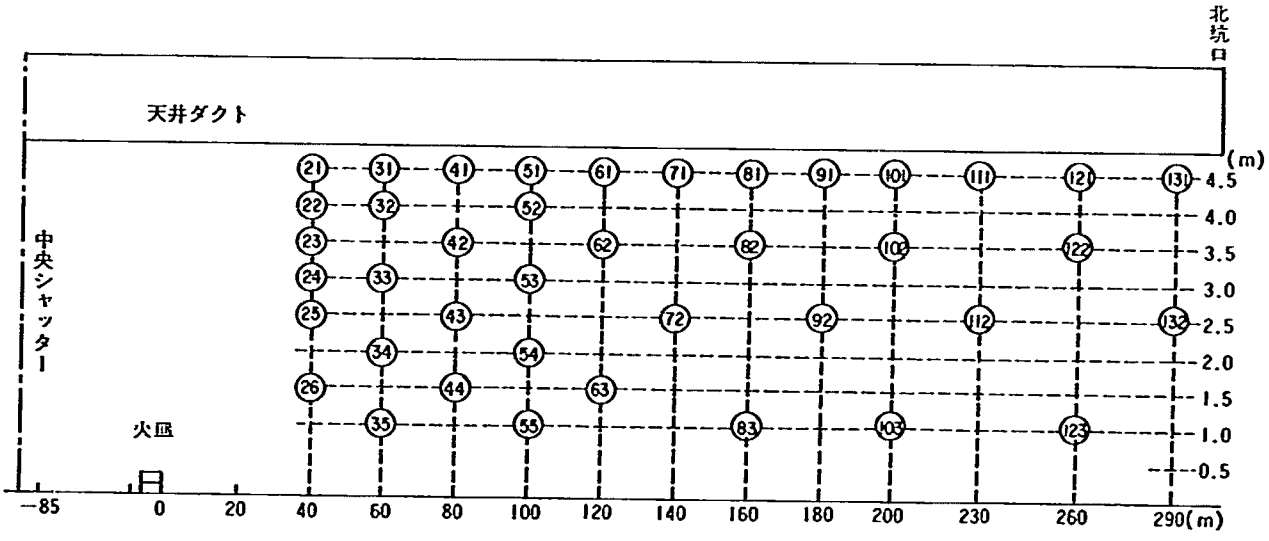


図2.6(c.㋺) 煙濃度測定点の配置図 (B実験)

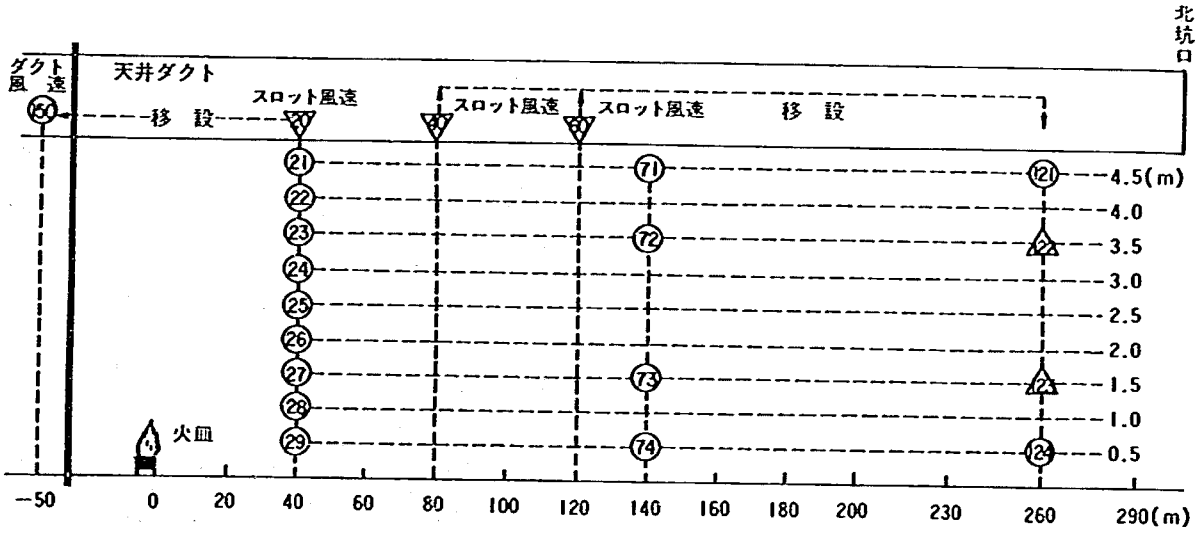


図2.6(c.㋩) 風速測定点の配置図 (B実験)

2.5.3 測定方法

(1) 温　　度

温度の測定は，センサーの一部に熱電対温度計（シースカップリング型，クロメルアルメル熱電対）を用い，延長線として補償導線を用いた。

(2) 煙 濃 度

煙濃度は，光学的煙濃度計により減光量として測定した。煙濃度計の構成を図2.7および写真2.4に示す。煙濃度計は，一定の光路長における煙粒子の散乱による光束の減光量を計測するものであり，煙濃度の表現としては，ランベルトービアの法則により，減光量を減光係数Csに換算し求めた。

$$Cs=\frac{-1}{L}\ln\left(\frac{Io}{I}\right)$$

ここに，Cs：減光係数（1/m）

L：透光量を測定する光路長（1 m）

Io：清浄空気中における透光量

I：煙の中における透光量

実験で用いた煙濃度計の光路長は，1 m とした。

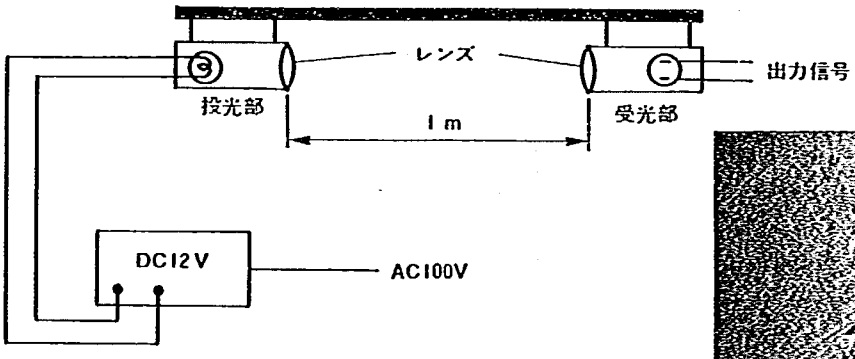


図2.7　減光式煙濃度計

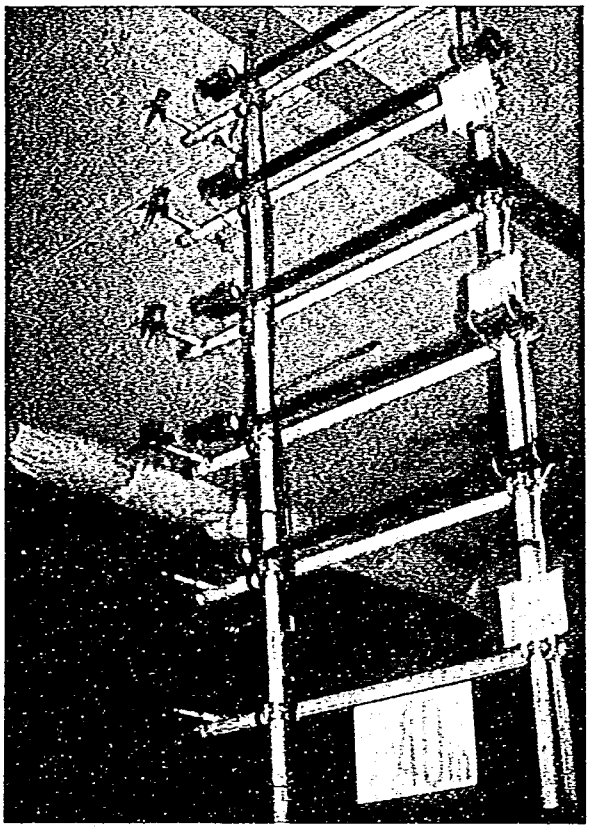


写真2.4　煙濃度計設置状況

(3) 風　速

風速測定は，ギル型風速計を用いた。(写真 2.5)

(4) 測定系統

温度，煙濃度，風速は，マルチチャンネルデジタル温度系 (TR—2741) に接続し，点火 2 分前から点火後 20 分まで 30 秒間隔で測定した。マルチチャンネルデジタル温度系は，GPIB により，ミニコンピュータ (MELCOM 70) に接続し，測定データの収録を行った。データ整理は，大型コンピュータ (HITAC—M 180) を用いた。計測器の測定系統を図 2.8 に示す。

(5) 煙の流動状況の観測

煙が車道内を流動していく状況は，目視観測および写真撮影により記録した。目視観測は，観測員が煙の流動状況を追跡してその状況を記録した。写真撮影は，点火後 30 秒から 30 秒間隔で車道内の状況を撮影した。カメラの設置を図 2.9 に示す。

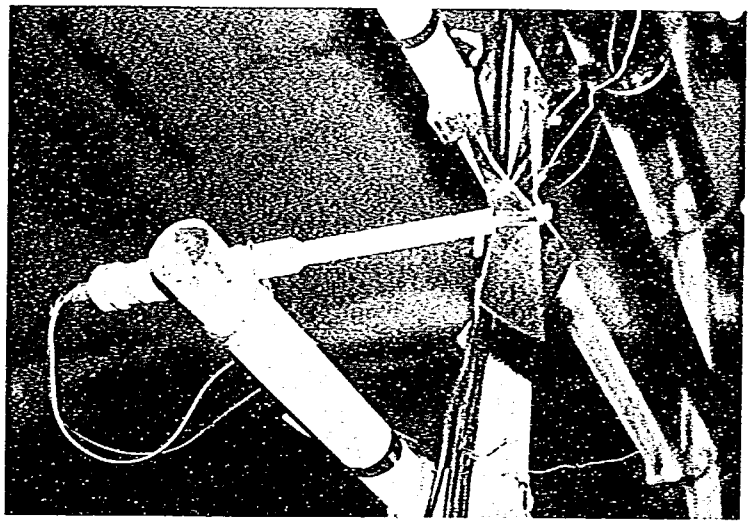


写真2.5　ギル型風速計設置状況

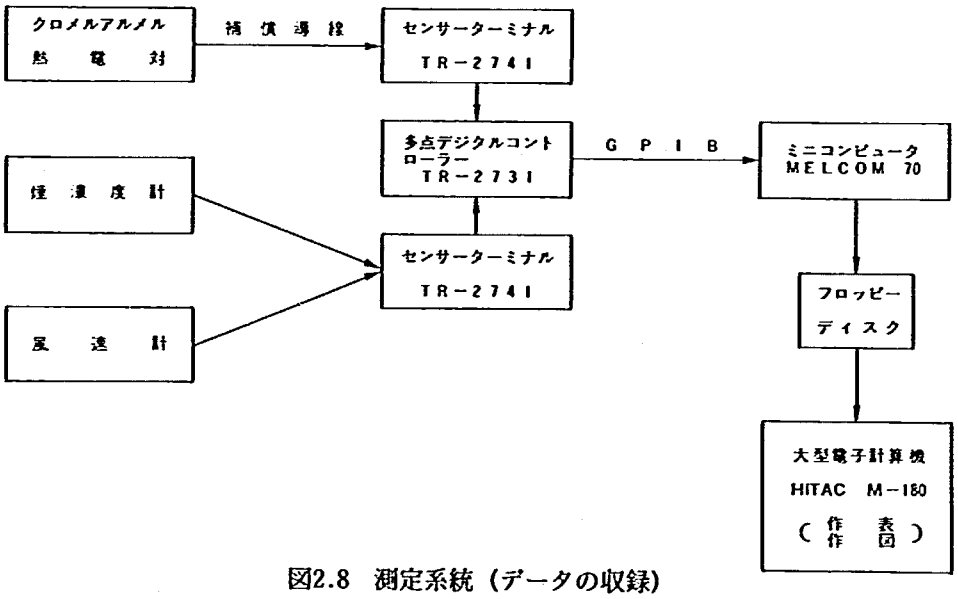


図2.8　測定系統（データの収録）

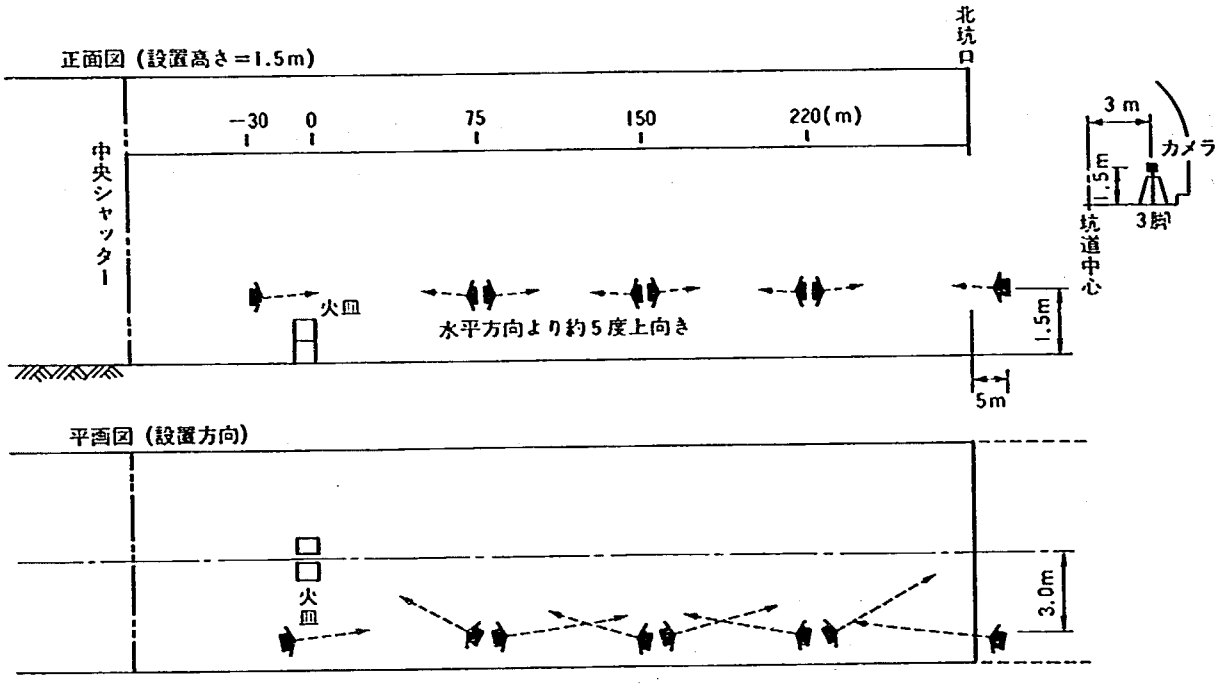


図2.9(a) 写真機の設置位置（A実験）

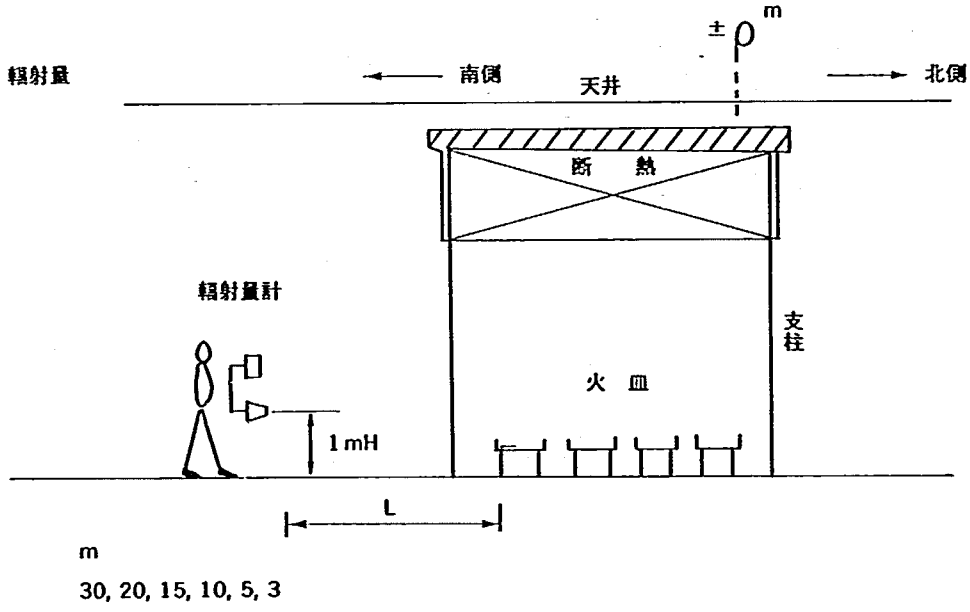


図2.9(b) 輻　　射　　量

3．実験結果と解析

実験結果とそれに対する解析の結果を以下に述べる。なお，実験から得られたデータの詳細は，巻末の付属資料に示す。

3.1　熱気流および火源の性状

3.1.1　熱気流の流動の概況

車道内無風の状態で天井スロットを全開した場合の熱気流の流動状況の模式図を図3.1に示す。アルコールの燃焼により発生した熱気流は，熱気流自身の浮力効果（温度上昇）により上昇する気流は，天井に遮られるため，左右に2分されて天井面に沿って流動する。

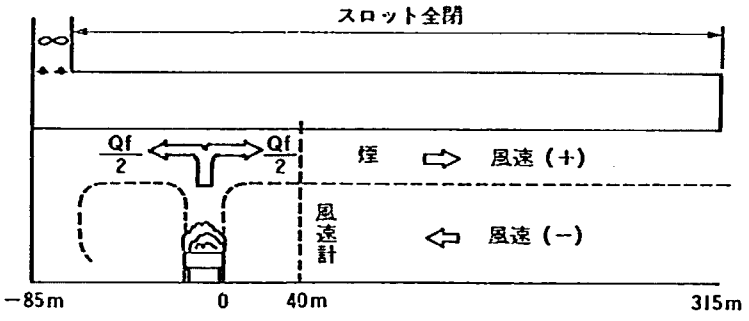


図3.1　熱気流の流動状況

3.1.2　熱気流の成層状況

(1)　車道内無風の場合

車道内無風の場合，火災により発生した煙は，熱気流の浮力効果による天井面に沿ってほぼ一定の厚さの煙層を形成して流動する。

図3.2は，車道断面内の風速分布の例を示したものである（L＝40 m）。天井付近では，火源より出口に向かう流れが形成されており，路面付近では出口から火源に向かう流れが形成されている。すなわち，方向の異なる2層流とその境界（中性帯）が存在することが認められた。

図3.3は，車道内の上昇温度および減光係数について鉛直分布の例を示したものである。図には路面からの高さ H＝4.5 m における測定値を基準とした比率で表している。これらの図から熱気流層の厚さを推定すると，2 m² 火皿の場合で d_T＝2.25 m，4 m² 火皿では d_T＝2.75 m，8 m² 火皿では d_T＝3.25 m である。

(2)　車道内有風の場合

車道内風がある場合は，熱気流による成層流が乱され，煙は車道断面全体に拡散しながら流動する。

図3.4は車道内の上昇温度，図3.5は車道内の減光係数について，それぞれの鉛直分布を示したものであ

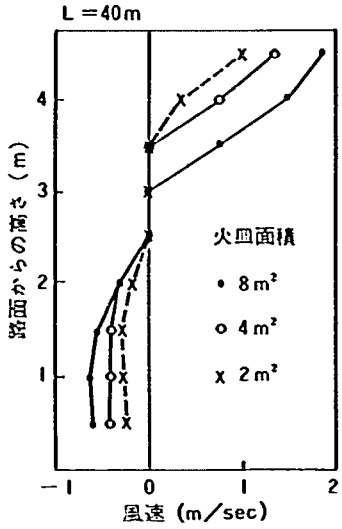
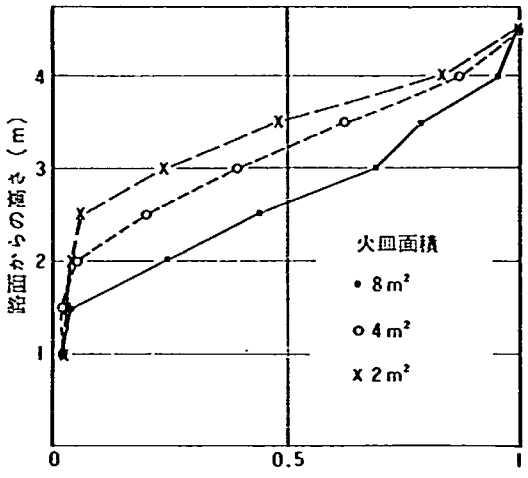
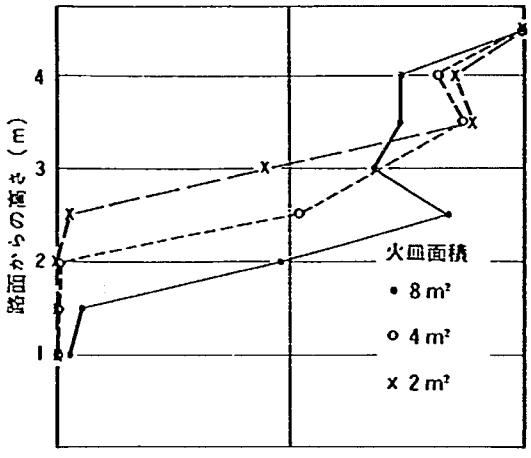


図3.2　車道内風速の鉛直分布



(a)　上昇温度の比(H＝4.5mを基準とした)

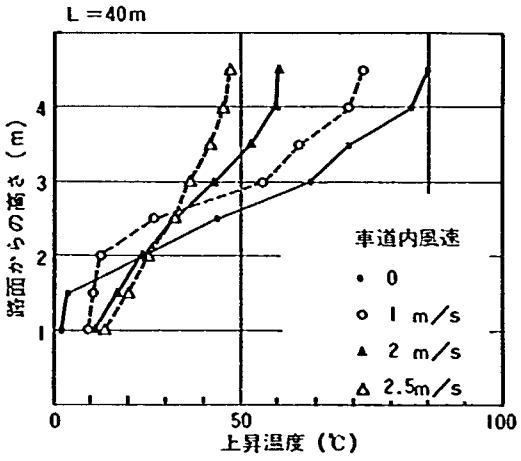


(b)　減光係数比(H＝4.5mを基準とした)

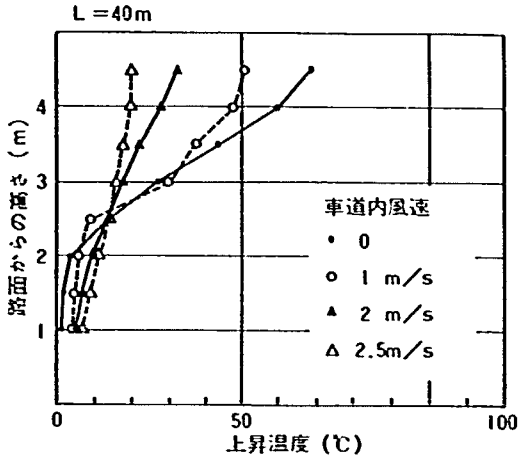
図3.3　車道内の上昇温度と減光係数の鉛直分布

り，車道内風速をパラメータとして比較している。車道内有風の場合は熱気流による成層流が乱されるため，路面付近においては温度が上昇するとともに減光係数も大きくなっている。車道内風速が 2 m/sec 以上になると，熱気流層が大きく乱されるため，車道断面内の温度差が小さくなり，減光係数もほぼ均一になっている。車道内風速が 1 m/sec と小さい場合には，熱気流層に生じる乱れは少なく高濃度の煙層は上層部に維持されているため，路面付近の H＝2 m 以下の減光係数は比較的小さい。

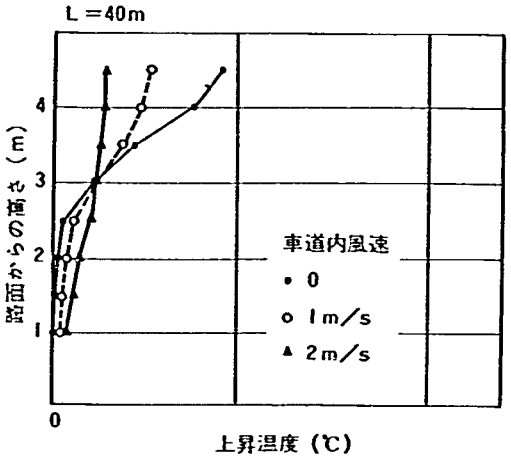
図 3.6 は，車道内風がある場合の車道断面内の風速分布を示したものである。図中，破線は点火の 30 秒前，実線は点火の 15 分後の風速である。車道内風速が小さい 1 m/sec の場合では，火源からの距離 L＝40 m の天井付近に熱気流の影響と考えられる風速の増加がみられるが，さらに離れた地点ではあまり差はみられない。車道内風速が 2 m/sec 以上になると，点火の前後で風速分布に明確な差はみられない。



(a) 火皿面積8m²

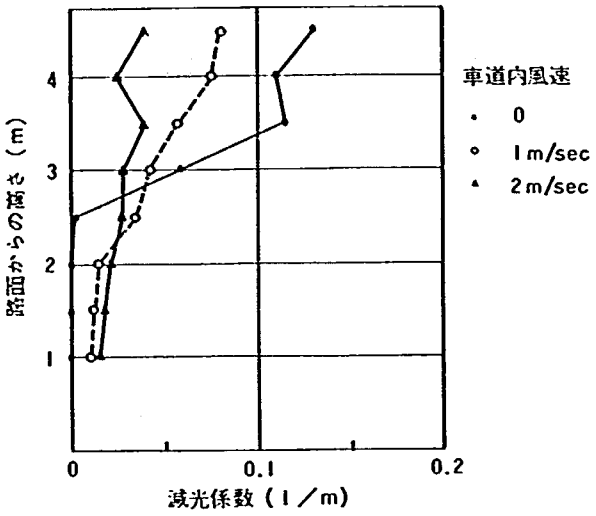


(b) 火皿面積4m²

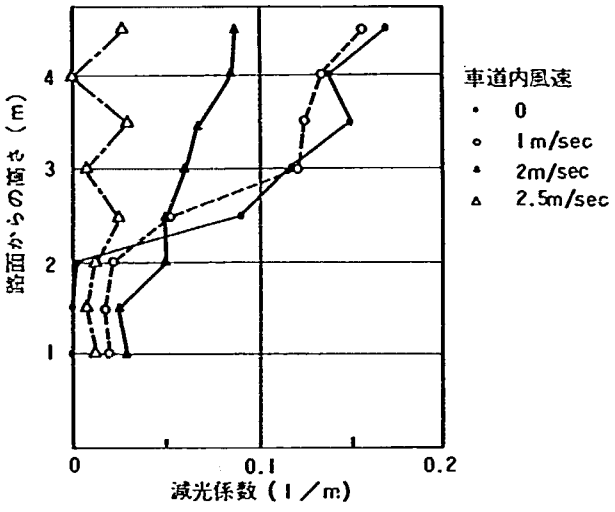


(c) 火皿面積2m²

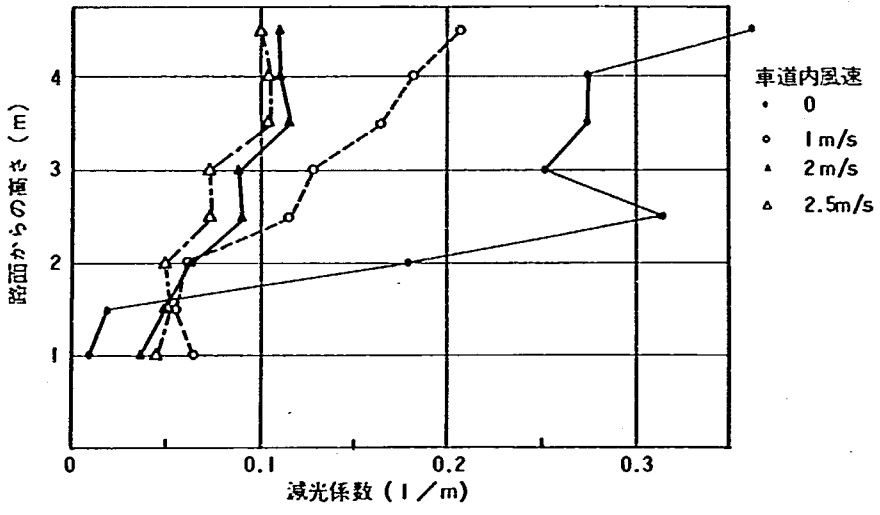
図3.4 車道内の上昇温度の鉛直分布



(a) 火皿面積2m²

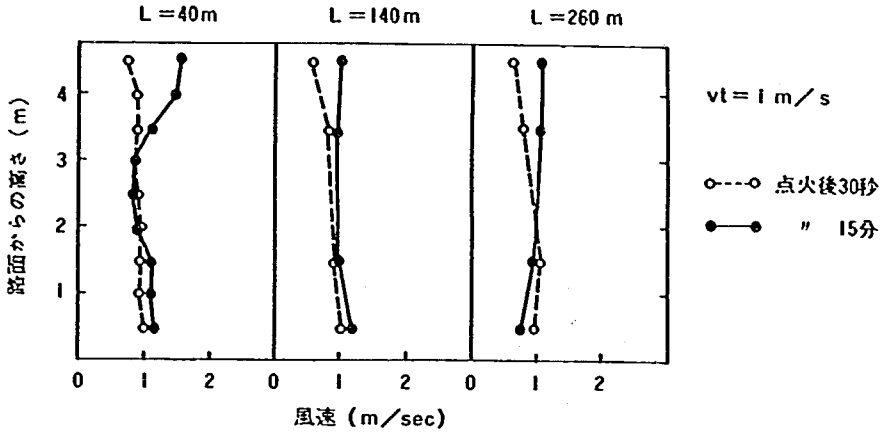


(b) 火皿面積4m²

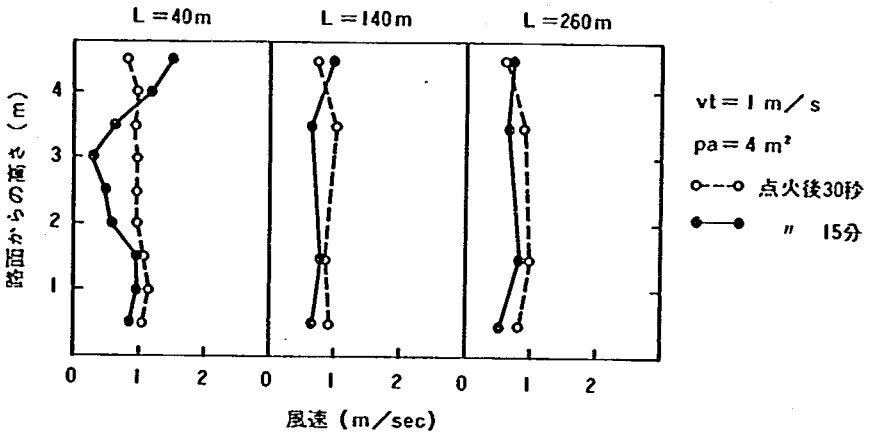


(c) 火皿面積8m²

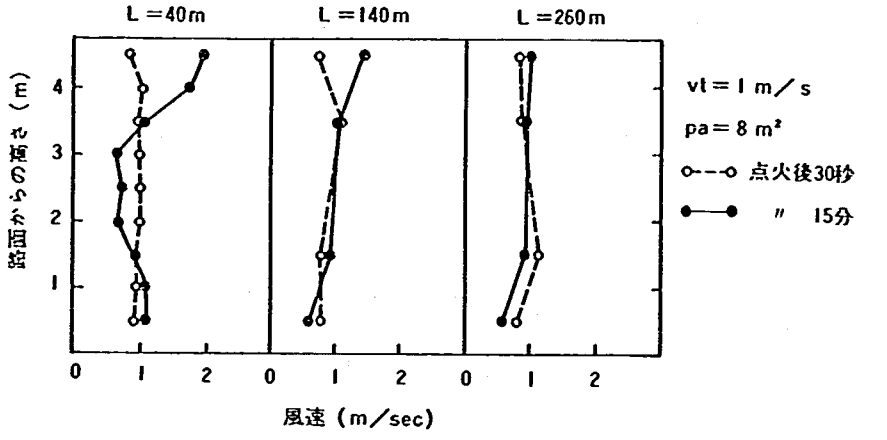
図3.5 車道内の煙濃度の鉛直分布



(a) 火皿面積2m²



(b) 火皿面積4m²



(c) 火皿面積8m²

図3.6 車道内の風速分布

3.1.3 熱気流の流量速度

アルコール火皿の熱気流の流量速度は，L＝40 m における測定値から，中性帯の上層を流動する熱気流の2倍（火源の上，下流を合わせたもの）とし，次式により求めた。

$$Qf = 2 \cdot Ai \cdot Vi$$

ここに，Qf：熱気流の流量速度（m^3/sec）

Ai：風速計 i が設置されている代表断面積（m^2）

Vi：風速計 i が設置されている代表流速（m/sec）

各火皿面積による熱気流の流量速度の経時変化を図 3.7 に示す。熱気流の流量速度は，点火 1 分後から 15 分程度の間ほぼ一定であるが，その後は，燃料が減少するための火勢が衰え次第に減少している。

点火 5 分後から 15 分までの熱気流の流量速度の平均値を表 3.1 に示す。単位火皿面積当たりの熱気流の流量速度は，約 280 $m^3/min/m^2$ である。

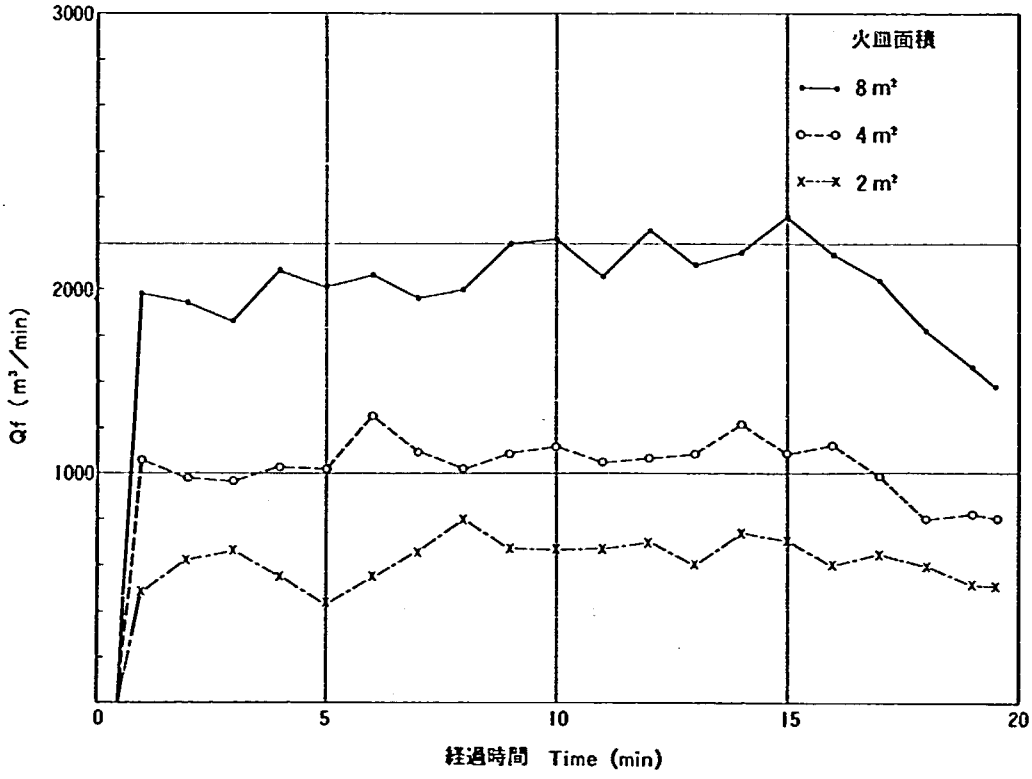


図3.7 熱気流の流量速度の経時変化

表3.1 熱気流の流量速度の平均値

火皿面積 (m^2)	熱気流流量速度 $\bar{Q}f$ (m^3/min)	単位熱気流流量速度 ($m^3/min/m^2$)	平均単位熱気流流量速度 $\bar{q}f$ ($m^3/min/m^2$)
8	1,925	241	280 ($4.7 m^3/sec/m^2$)
4	1,099	275	
2	655	328	

3.1.4 発煙速度

火災から発生する煙の量を表わすものとして発煙速度がある。発煙速度は，煙層内の平均濃度と熱気流の流量速度の積として次式のように表わされる。

$$S = Cs \cdot Qf$$

ここに，S：発煙速度（Csm^3/min または m^2/min）

Cs：煙層内の平均濃度（ℓ/m）

Qf：熱気流の流量速度（m^3/sec）

図3.8は，発煙速度の経時変化を示したものである。実験では，白色発煙筒により煙を発生させたが，この方法では発生する煙の量を制御することが困難であったため，発煙速度は大きく変動している。

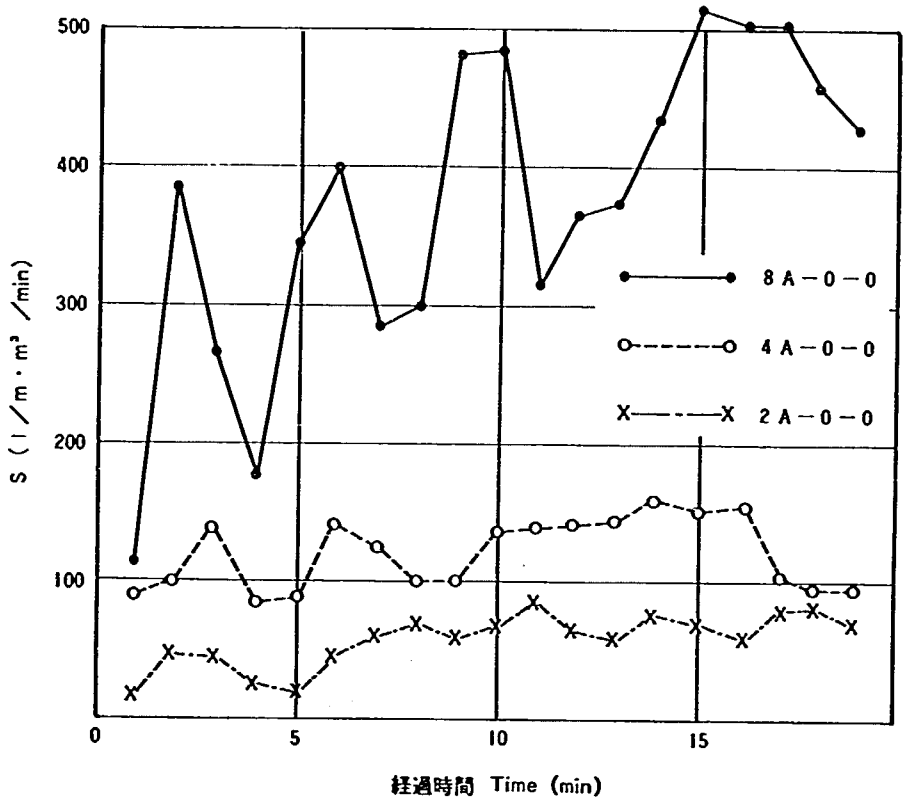


図3.8 発煙速度の経時変化

3.1.5 受熱輻射量

図3.9は，火源から3～30m地点で得られた受熱輻射量を示したものである。受熱輻射量は，指数関数的に減衰し次式によって求められる。

$$Q = a \cdot L^b$$

ここに，Q：受熱輻射量（$Kcal/m^2hr$），L：火皿からの距離（m），

a：指定火皿直近受熱輻射量，b；減衰係数

表3.2は，図3.9から各火皿面積における推定火源直近受熱ふく射量と減衰係数を求めたものである。火

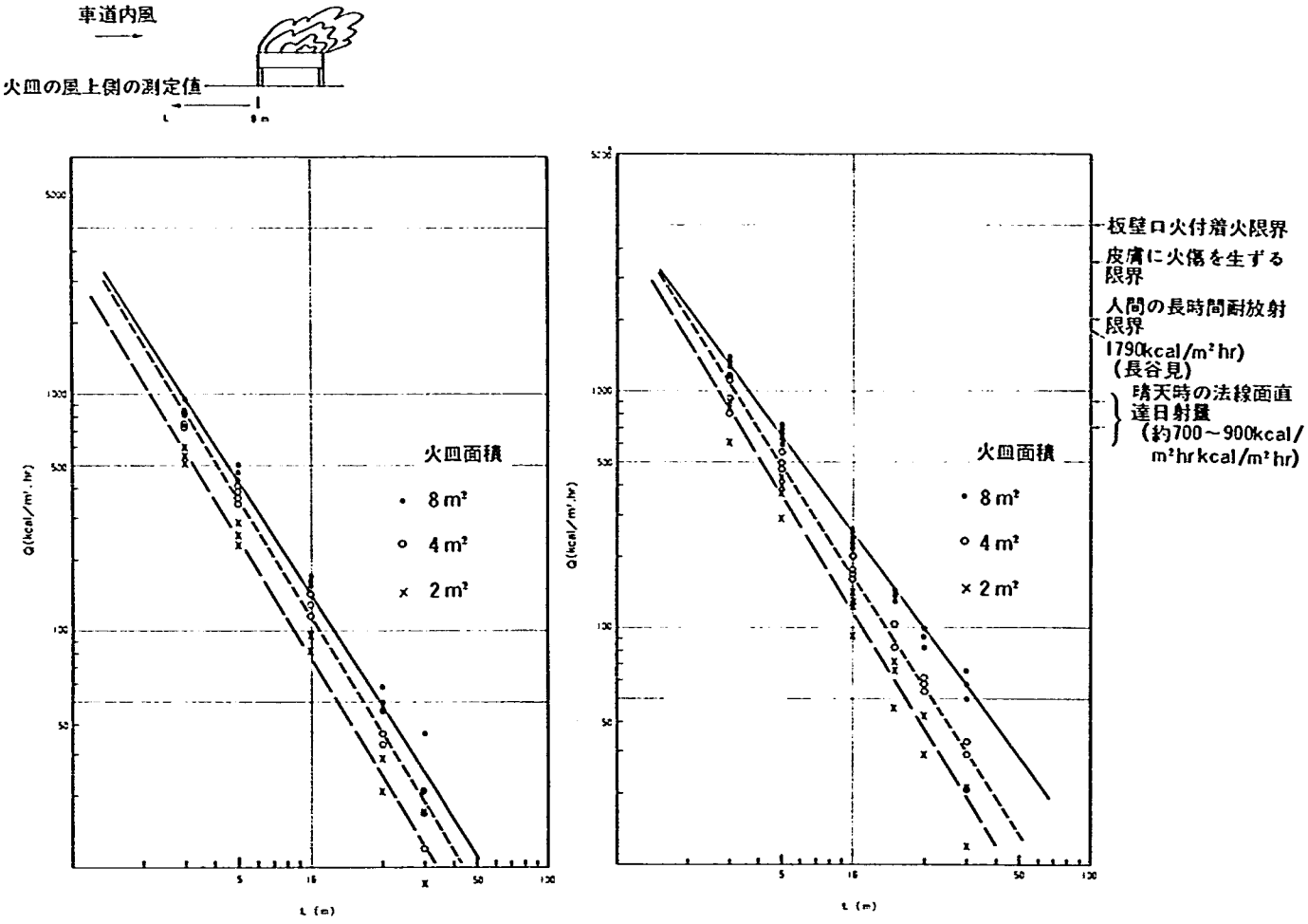


図3.9　受熱輻射量の距離減衰

表3.2　推定火源直近受熱輻射量と減衰係数

火皿面積 (m²)	車道内風速	推定火源直近輻射量 (Kcal/m² hr)	減衰係数
2	無　風 60年，61年	4,974	−1.636
4		5,768	−1.548
8		5,591	−1.352
2	有　風 (1～2.5m/s) 61年	3,467	−1.651
4		5,093	−1.647
8		5,358	−1.564

皿面積が大きいほど推定火源直近受熱輻射量が大きく，減衰係数が小さくなる傾向がある。また，車道内風速がある場合は，火災が風下側に傾くため，風上側の推定火源直近受熱輻射量は小さい。

なお，図3.9には，火災による輻射が火源周辺への延焼の可能性や人体に対する危険性を評価するために提示されている限界値を参考として示した[1]。

1）長谷見他・日本建築学会誌Vol. 31（1981年No. 1）

無風時における火源近くの3m地点の輻射量は，8m²アルコール火皿で950 kcal/m²hr程度であり，この値は晴天時の日射量程度であって，輻射熱による人体等への影響はないものと考えられる。

3.1.6 熱気流内温度の距離減衰

火源より発生した熱気流は，天井面に沿って流動してゆく過程においてトンネル壁面への対流，輻射熱伝達または熱気流層下面において中性帯との乱流熱拡散によって熱気流層内の温度は火源から離れるにしたがって減衰する。

図3.10は，路面からの高さH=4.5mにおける上昇温度の距離減衰を示したものである。図中の実線は，

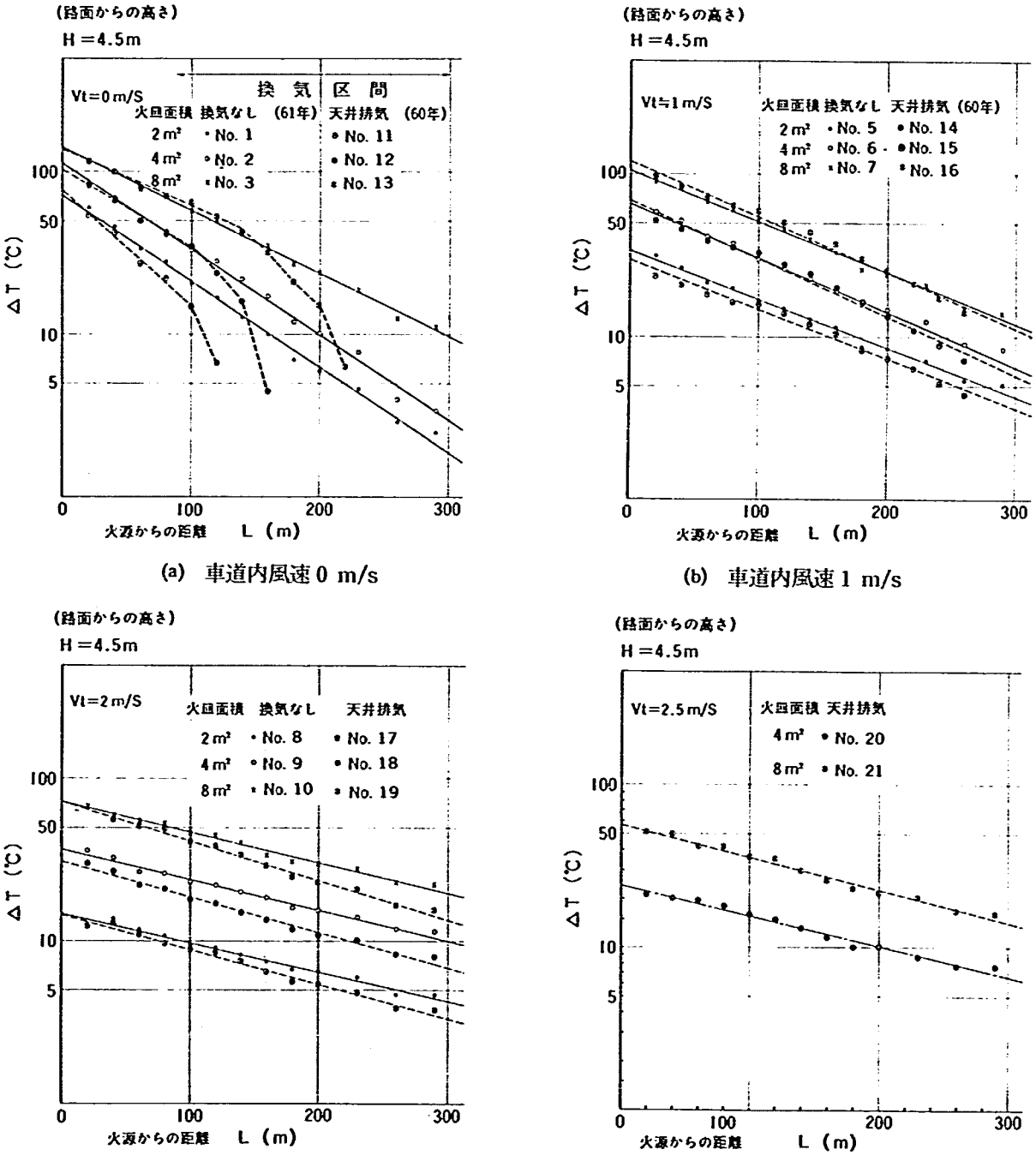


図3.10 上昇温度の距離減衰

停止運用の場合，破線は排気運用の場合である。上昇温度の距離減衰は次式により表わされる。

$$T = T_0 \cdot \exp(\alpha x)$$

ここに，T：上昇温度（℃）

T_0：推定火源直近温度（℃）

α：減衰係数

x：火源からの距離（m）

表3.3は，推定火源直近温度と減衰係数を示したものである。推定火源直近温度は，火源直上の温度に相当するものであるが，この回帰係数はx＝20mの測定値より求めたものである。

一般に熱気流内温度の距離減衰においては，火源の直近に変曲点があるとされており，実際の火源直上の温度はこの値より高いことが考えられる。

推定火源直近温度および減衰係数の値は，車道内風速が大きいほど小さくなっている。

図3.11は，温度減衰係数と車道内風速の関係を示したものである。火皿面積による差異は明確ではなく，次式の回帰式が得られた。

$$a = 2.8\,Vt - 10.6$$

図3.12は，推定火源直近温度と車道内風速の関係を示したものである。推定火源直近温度は，火皿面積が

表3.3　アルコール火皿火災実験の熱気流の熱気流内上昇温度の距離減衰係数

車道内風速 Vt (m/s)	火皿面積 (m²)	換気なし	天井排気	推定火源温度 To (℃)	減衰係数 a×10⁻³ (ℓ/m)	実験条件	備考α の平均
0	2	○		70.7	12.1	2A－0－0	10.4
	4			110.8	12.0	4A－0－0	
	8			140.0	8.9	8A－0－0(1)	
	8			146.9	8.6	8A－0－0(2)	
1	2	○		34.0	6.9	2A－1－0	7.2
	4			65.6	7.4	4A－1－0	
	8			106.8	7.3	8A－1－0	
	2		○	29.6	7.0	2A－1－排	7.7
	4			68.3	8.2	4A－1－排	
	8			121.0	7.9	8A－1－排	
2	2	○		14.8	4.1	2A－2－0	4.2
	4			36.8	4.3	4A－2－0	
	8			71.6	4.3	8A－2－0	
	2		○	14.6	4.9	2A－2－排	5.2
	4			31.0	5.0	4A－2－排	
	8			72.4	5.6	8A－2－排	
2.5	4		○	24.0	4.3	4A－25－排	4.5
	8			57.1	4.6	8A－25－排	

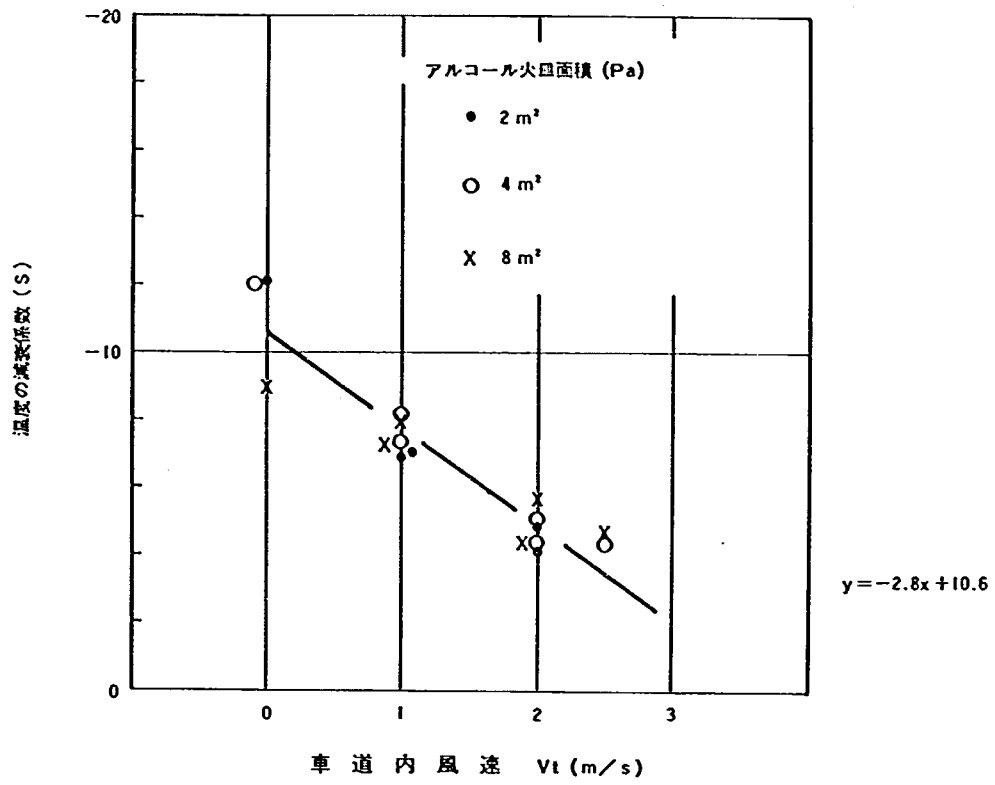


図3.11 車道内風速と熱気流温度の減衰係数の関係

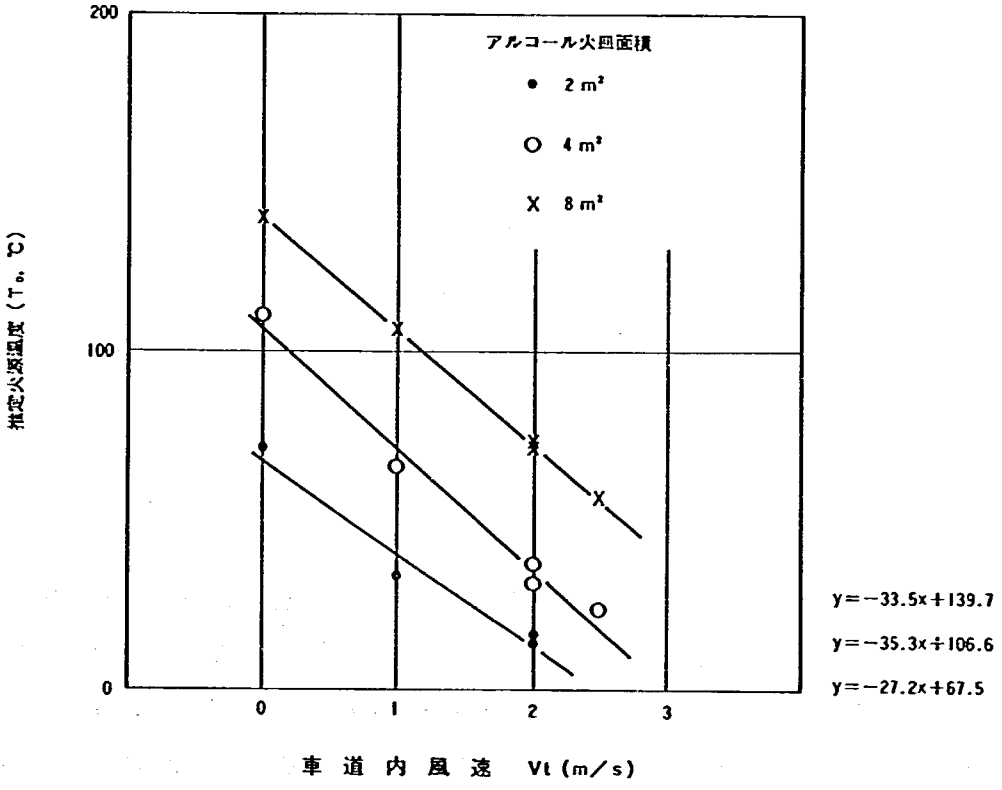


図3.12 推定火源近温度と車道内風速の関係

大きいほど高く，また車道内風速が大きいほど低い。

回帰式は火皿面積により次式のようになった。

8 m² 火皿 To＝139.7－33.5 Vt

4 m² 火皿 To＝106.6－35.3 Vt

2 m² 火皿 To＝67.5－27.2 Vt

3.1.7 熱気流速度の距離減衰

車道内無風の時天井に沿って流動する熱気流層は，トンネル壁面や中性帯における摩擦損失により運動量が失われ，その流速が減少する。

図 3.13 は，路面からの高さ H＝4.5 m の熱気流速度の距離減衰を示したものである。これらから図中の回帰係数がえられた。

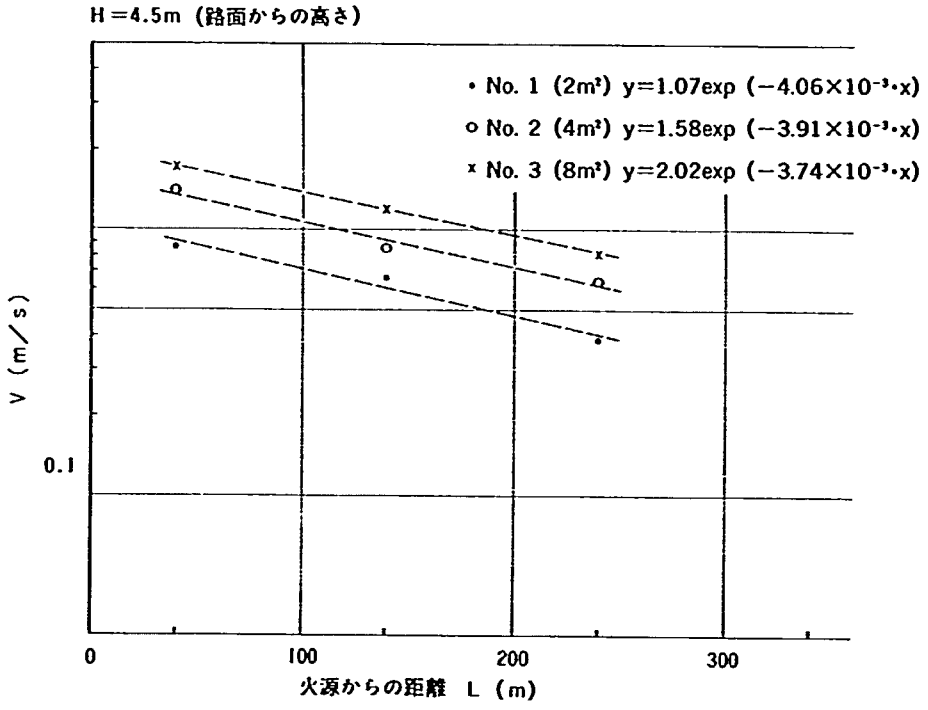


図3.13 熱気流度の距離減衰

3.1.8 火源の相似性の検討

実験では，火源としてアルコールを燃料とした火皿を用いた。アルコール火皿を用いると燃焼速度が均一であるため，実験条件を定常化するうえで有利であり，火源規模も火皿面積や燃料の容量により任意に設定できる。

火災現象は，燃焼物が異なっても火源の発熱の状態が同一であれば，熱気流や煙の流動は同じように進むことから，火災規模が実際の火災と同じであればアルコール火皿による実験の有効性が確認される。

ここでは，以前に実施した縦流換気方式における実大規模火災実験（乗用車，大型バスおよびガソリン火皿）と今回の実験のアルコール火皿による結果との比較を行い，火源規模の相似性について熱気流の流量速度，発煙速度および熱気流内温度の距離減衰を用いて検討した。

但し，これらの実験は数回に渡って行われたもので，実験時の車道の断面形状が図3.14に示すように若干異なる。

(1) 熱気流の流量速度

図3.15は，各火源における熱気流の流量速度の経時変化を示したものである。また，表3.4は，各火源が

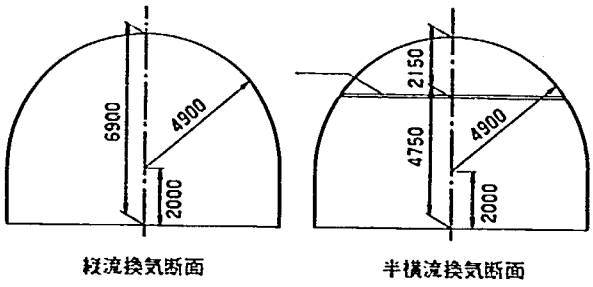


図3.14 トンネル断面形状

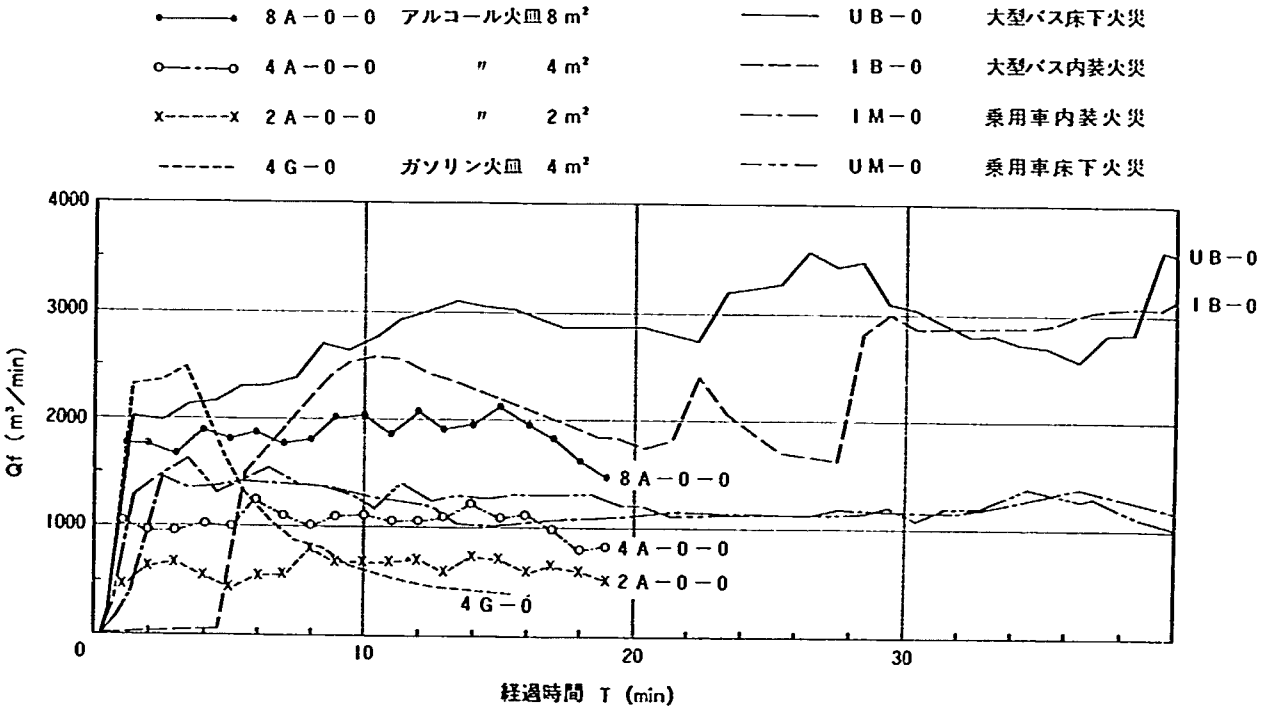


図3.15 熱気流の流量速度の経時変化

表3.4 各火源における熱気流の流量速度

火 災 源	定常燃焼時の熱気流の流量速度 Qf (m³/min)	各火災源に相当するアルコール火皿面積 Pa (m²)
メタノール火皿8 m²	1,925	
〃 4 m²	1,099	
〃 2 m²	655	
ガソリン火皿4 m²	約2,400	約 8.6
乗 用 車	約1,200	約 4.3
大 型 バ ス	約3,000	約10.7

定常燃焼していたときの熱気流の流量速度の概略値を示す。

アルコール火皿と自動車の熱気流の流賑速度を比較すると，乗用車と 4 m² アルコール火皿がほぼ同等の値であり，8 m² アルコール火皿は，大型バスより小さい。

アルコール火皿 1 m² 当たりの単位熱気流の流量速度を 280 m³/min/m² 各火源に相当する火皿面積を求めると，4 m² ガソリン火皿では約 8.6 m²，乗用車では約 4.3 m²，大型バスでは約 10.7 m² となった。

(2) 熱気流内温度の距離減衰

図 3.17 は，車道内無風の時の熱気流内上昇温度の距離減衰を名火源により比較したものである。

ここでは，8 m² アルコール火皿と 4 m² ガソリン火皿がほぼ同等の減衰傾向を示している。また，大型バスは，8 m² アルコール火皿より上昇温度が高い。乗用車内装火災は，2 m² アルコール火皿とほぼ同等の減衰傾向を示している。

これらの結果は，熱気流発生速度による結果ともほぼ一致している。

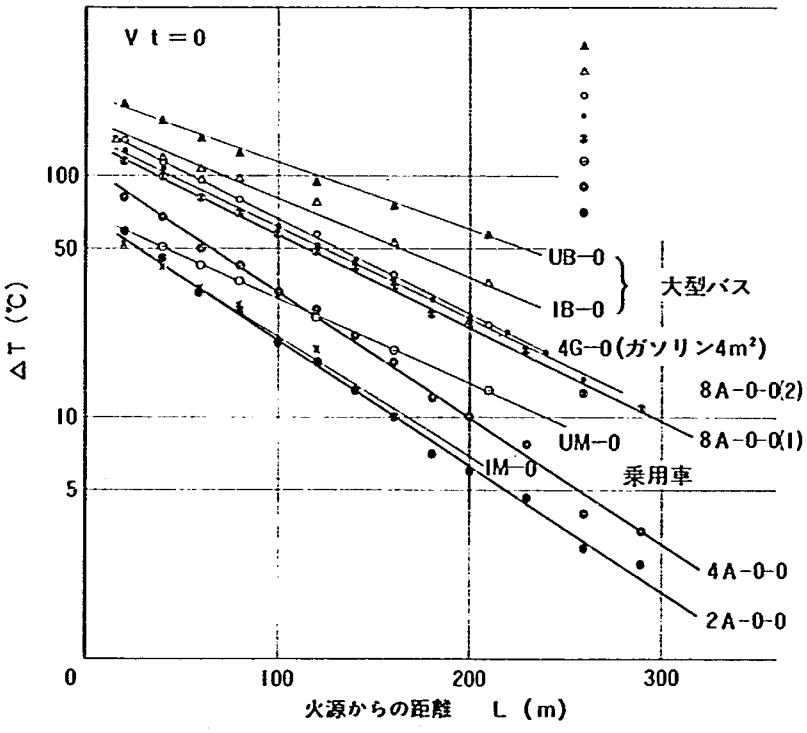


図3.17 熱気流内温度の距離減衰

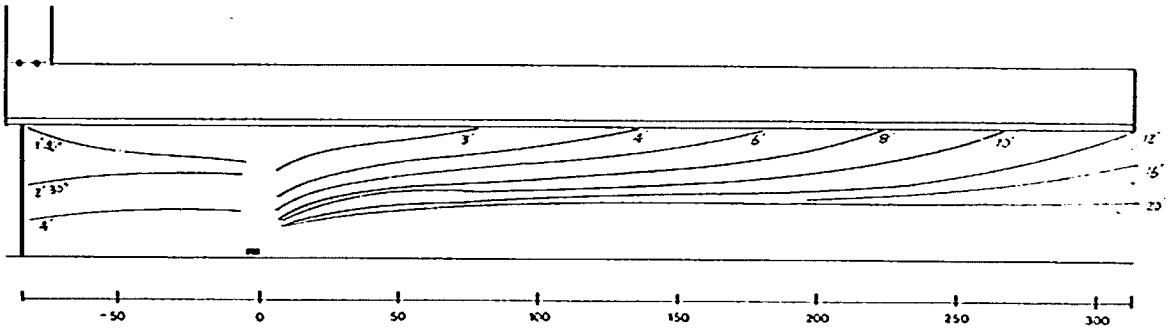
3.2 換気運用と煙の流動状況

トンネル内火災時における煙の挙動は，トンネル外への避難活動を検討する際の重要な要素である。本節では，半横流換気設備を有するトンネルにおける煙の流動状況と換気設備の運用が煙の流動に及ぼす影響について検討する。

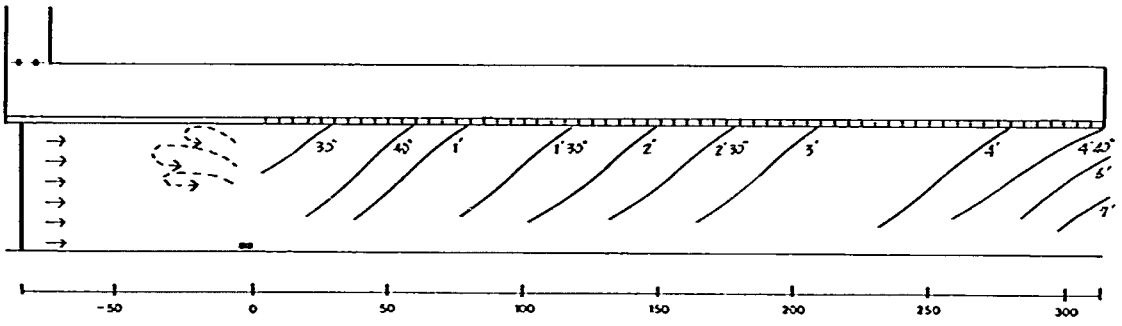
3.2.1 煙の流動の概況

図 3.18 は，車道内を流動する煙の状況について，観測員が目視観測により記録した結果を整理した例である。

車道内風がない場合（(a)図）には，火災源を中心としてトンネルに沿って対称的に煙が流動する。車道内風速がある場合（(b)図）には，大部分の煙が風とともに風下側へ流動する。



(a)無風（No. 1）



(b)有風（No. 5）

図3.18　煙の流動状況

3.2.2　煙の遡上現象

車道内風速がある場合であっても，風速が小さい時には，煙層が風上側にも遡上する現象がみられた。煙層の遡上現象は、火災源の熱気流の発生速度が大きい場合に熱気流の一部が上流側に逆流して進行する現象である。(図 3.19)

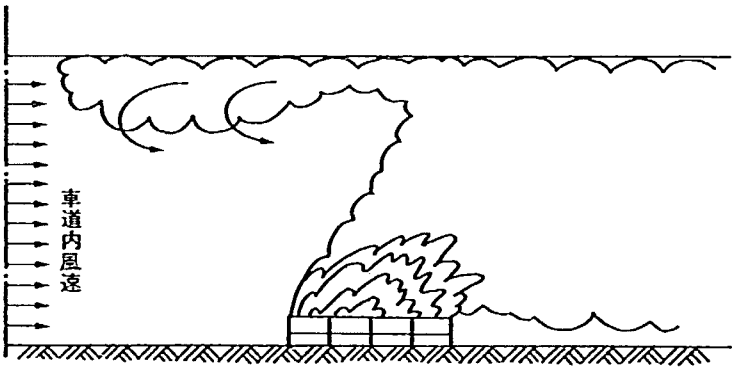


図3.19　煙層の遡上現象

煙層は天井に沿って上流側に進行するが，この煙層の下部では車道内風により煙が戻され低下し、煙層は次第に厚くなってくる。

煙層の遡上現象は，車道内風速が 1 m/sec のときにみられたが、車道内風速が 2 m/sec 以上の場合にはみられなかった。このことから、煙層の流動方向をトンネルの一方向のみに制御するためには、車道内風速を 2 m/sec 程度以上（トンネルの縦断勾配がない場合）とする必要があることが分かる。

3.2.3 煙層の先端部の形状

図 3.20 は，車道内風速が 1 m/s の場合に車道断面内に拡散して流動する煙層の形状を目視観測結果に基づいて描いたものである。流動する煙層の先端部は，天井面付近が先行し，そこからくさび状に煙の厚さが増加している。

写真 3.1 は No. 6 のケースにおいて L＝220 m の位置から火源方向および坑口（出口）方向を 30 秒間隔で撮影したものである。煙層の先端部が頭上に到達している状態でも，路面付近は火源の方向に約 100 m 程度の視界が得られ，また坑口の方向の視環境も良い。天井面にある先端位置と路面からの高さ H＝1.5 m まで煙が達している地点との水平距離は，風速が 1 m/sec で 8 m² アルコール火皿の場合で，約 65 m であった。この値については，トンネル利用者が煙の伝播状況をみて避難行動に移行する際の判断時期を考察する場合に十分検討する必要がある。

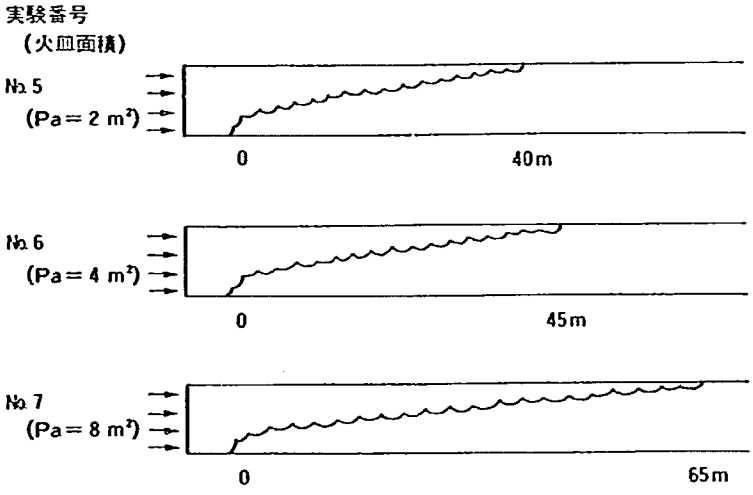
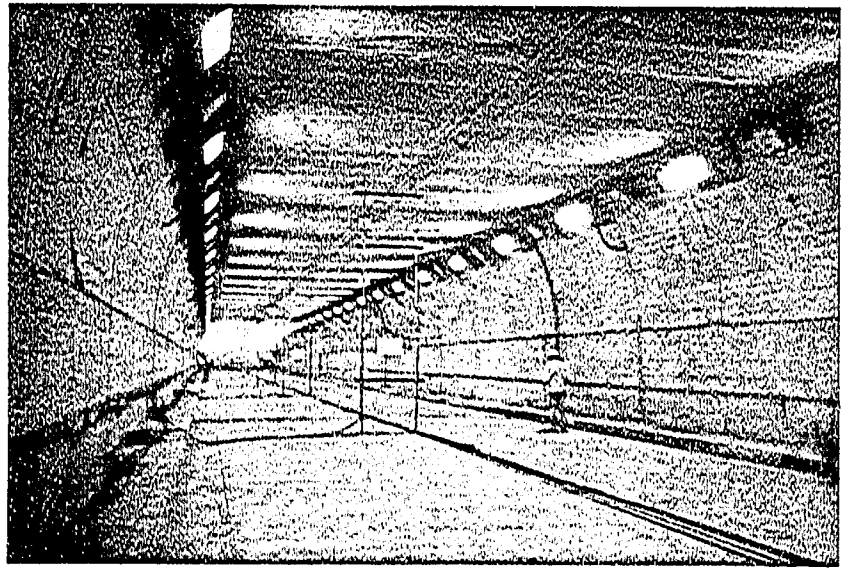
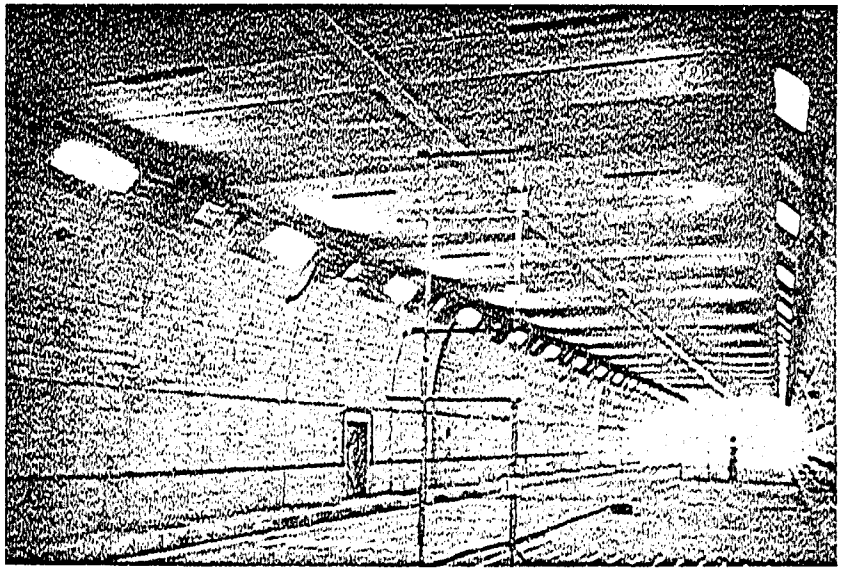


図3.20 煙層先端部の形状

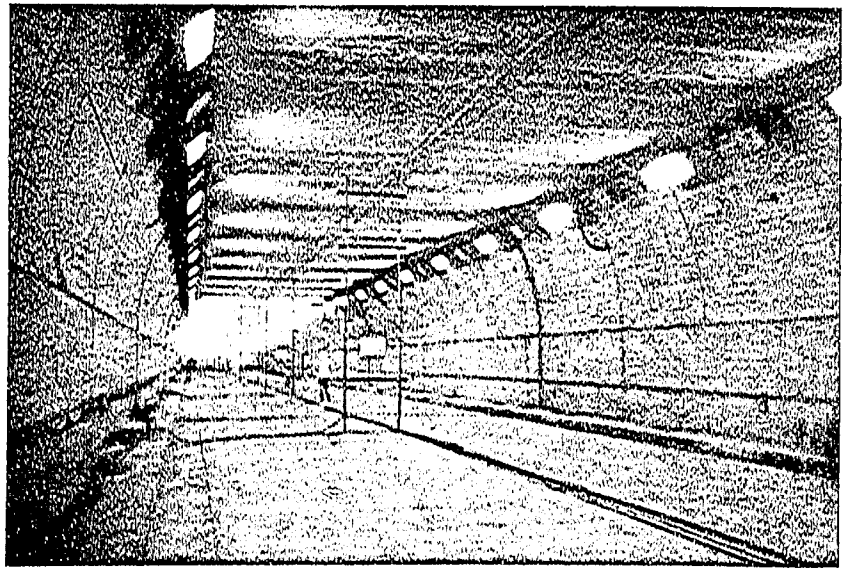


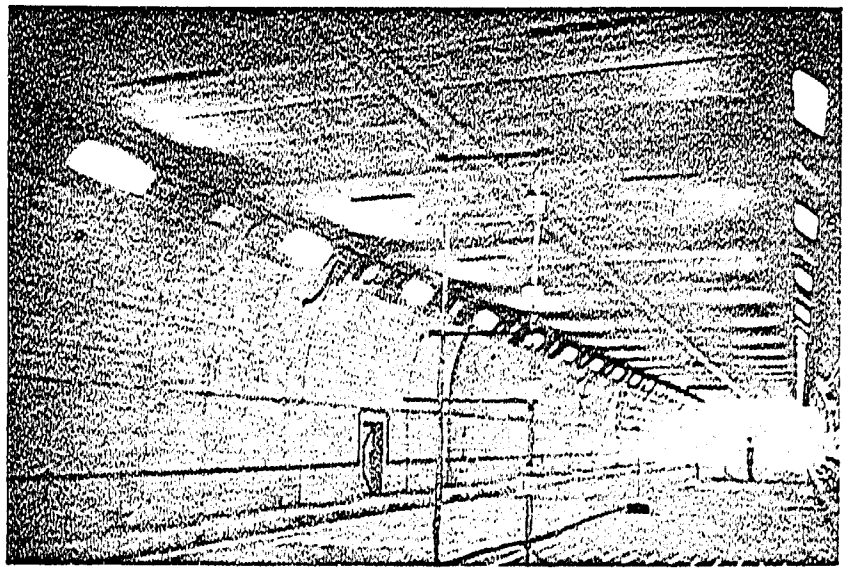
火災源方向



坑口方向

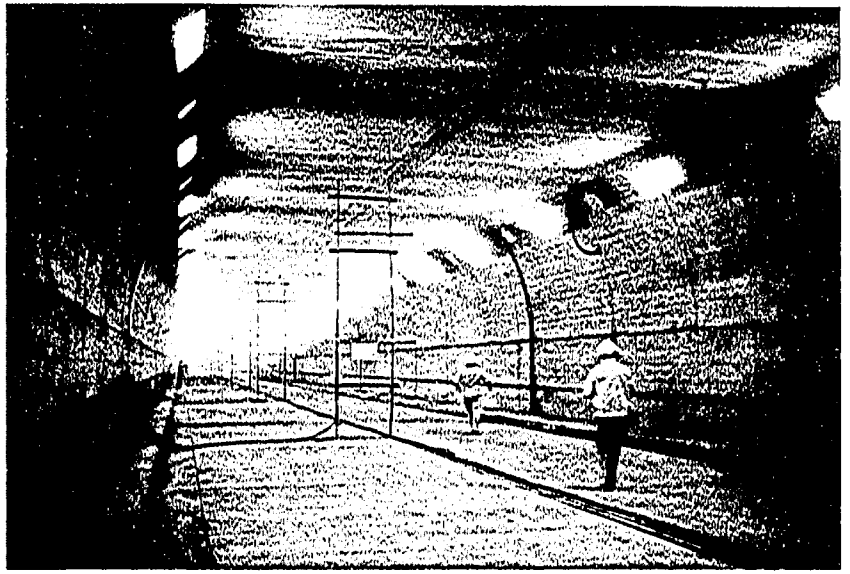
(1′30″)





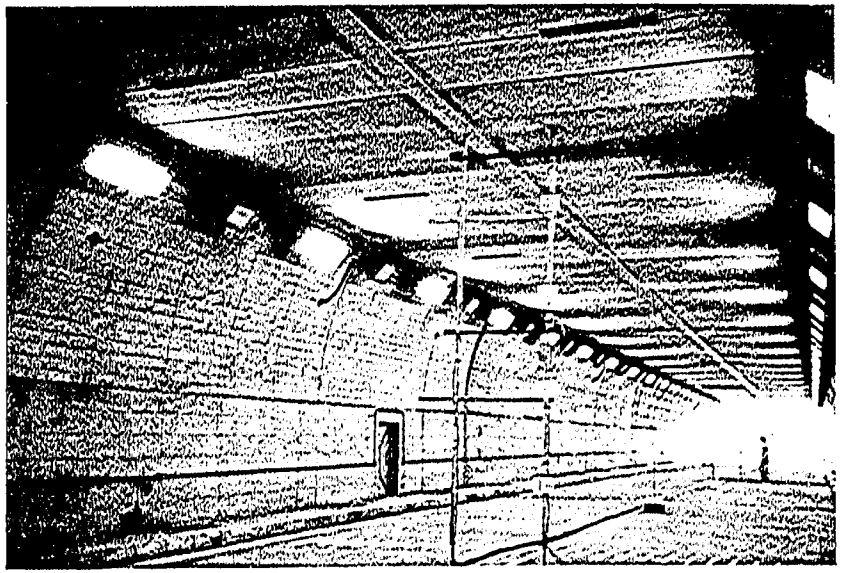
(2′)

写真3.1　煙の流動状況(NO6, L=220m)

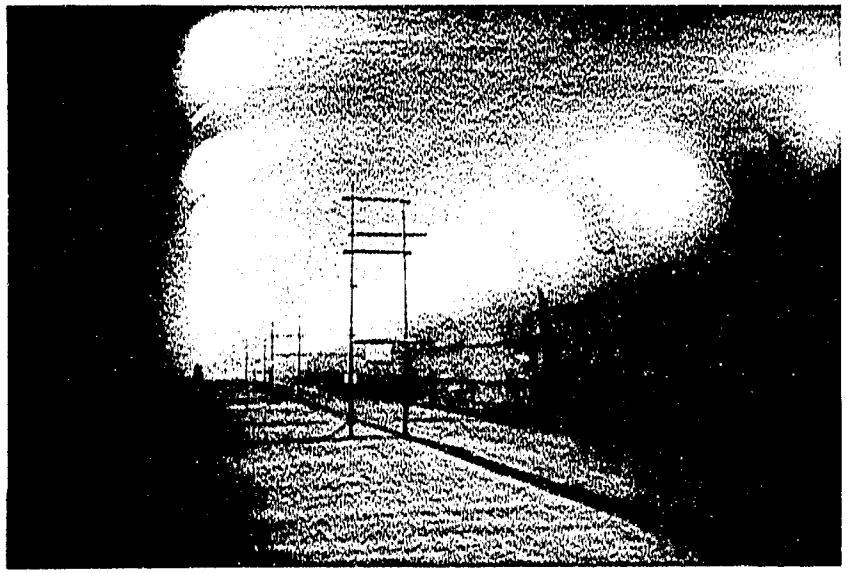


火源方向を望む

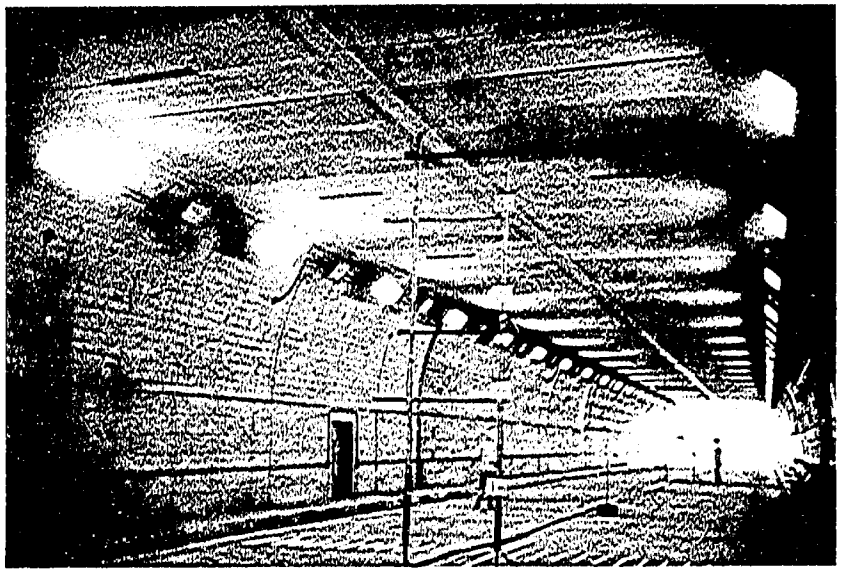
(2′30″)

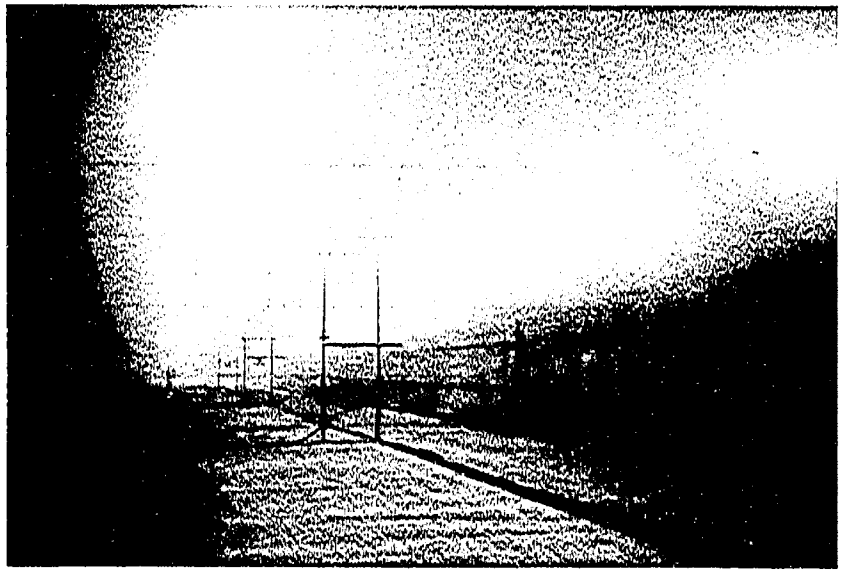


坑口方向を望む

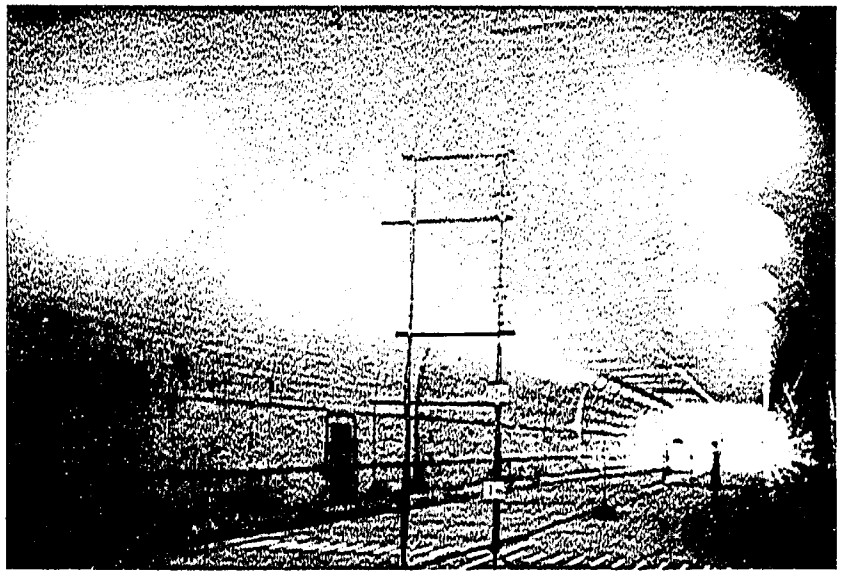


(3′)



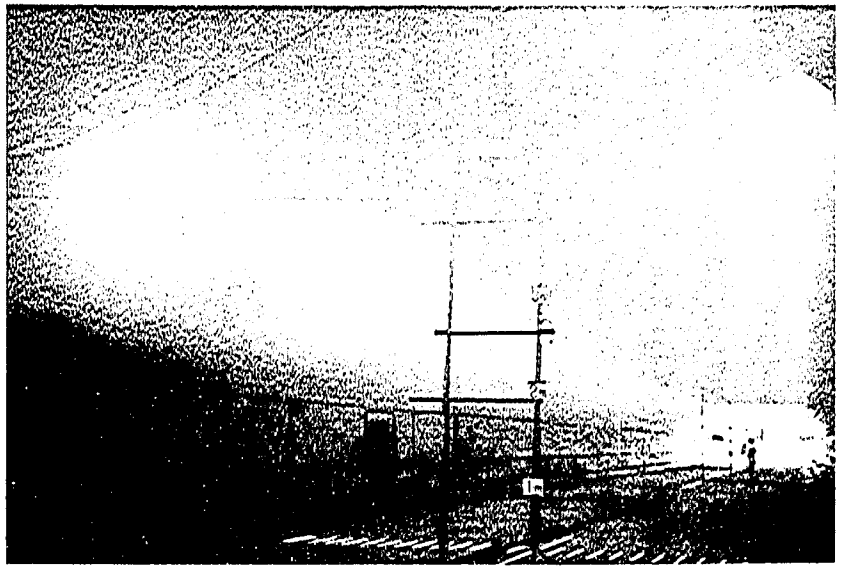


火源方向を望む



坑口方向を望む

(3′30″)



(4′)

3.2.4 煙の流動速度

(1) 車道内無風の場合

図3.21は，車道内無風の状態で天井スロットを全閉としたとき，天井面に沿って流動する煙層先端部の火源からの位置と到達時刻との関係を示したものである。

煙層先端部の進行速度は，2 m² アルコール火皿の場合で約0.44 m/sec，4 m² 火皿で約0.53 m/sec，8 m² 火皿で約0.72 m/secであった。

(2) 車道内有風の場合

車道内にある程度の風がある場合，煙は車道断面全体に拡散して流動する。図3.22は，火源から一定の距

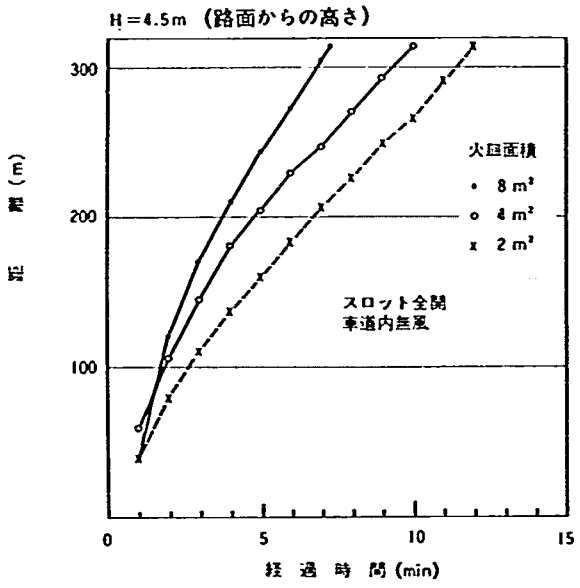


図3.21 煙層の進行状況（車道内無風）

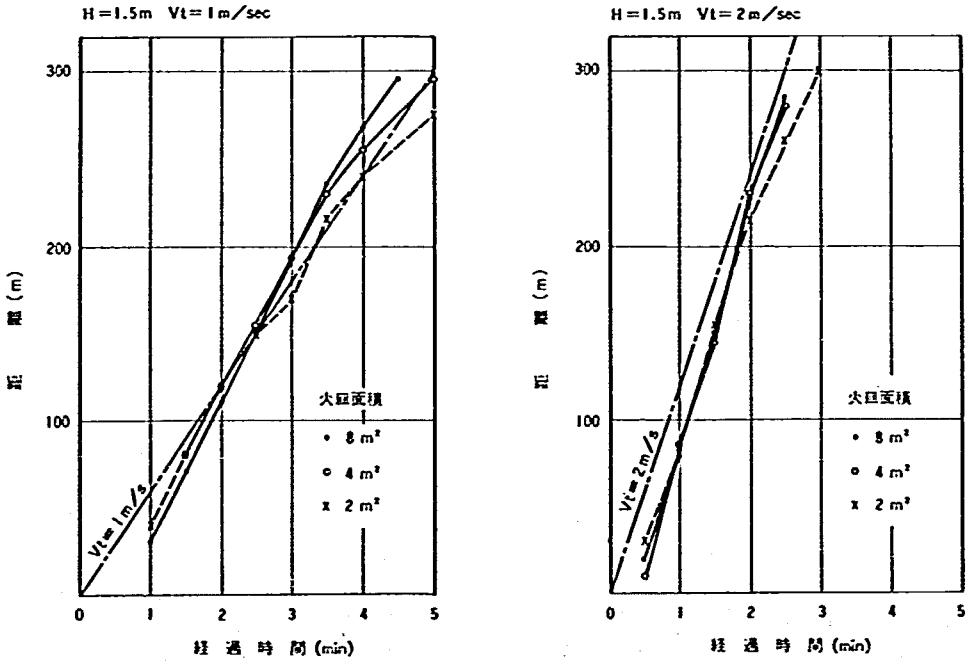


図3.22 煙層の進行状況（車道内有風）

離だけ離れた各地点において，路面から1.5mの高さに煙が致達した時刻を示したものである。

車道内有風の場合の煙層の進行速度は，車道内風速とほぼ等しいことが分かる。

3.2.5 天井ダクトへの自然排煙効果

車道内風速がほとんど無い場合，煙層は天井面に沿って流動する。このとき換気設備が停止の状態であれば，熱気流が持つ浮力効果により，煙の一部は天井板に開口しているスロットから天井ダクト内へ自然排煙されることが考えられ，その効果について検討した（図3.23)。

(1) 煙の流動速度に対する影響

図3.24は，天井スロットが全開状態の場合における煙層先端部の流動速度を，スロット全閉状態の場合と比較して示したものである。

2m²アルコール火皿と8m²アルコール火皿の煙層先端部の流動状況を見ると，いずれの場合も，天井スロットが閉鎖しているより開口している方が，煙層の流動速度が抑制されている。火源の規模によっても異なるが，20～40%程度の速度の低減効果が認められた。

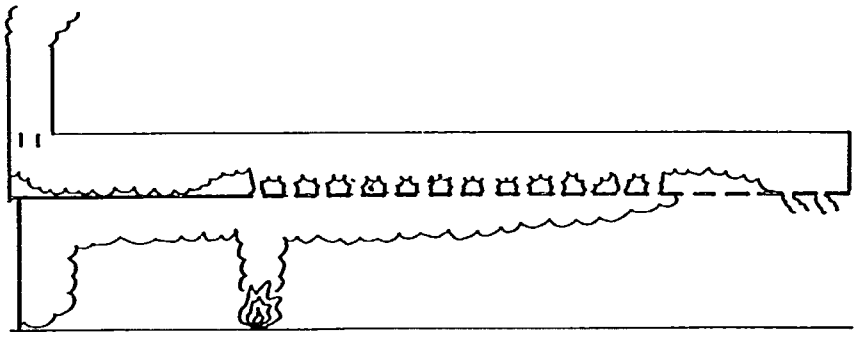


図3.23 自然排煙効果の概念図

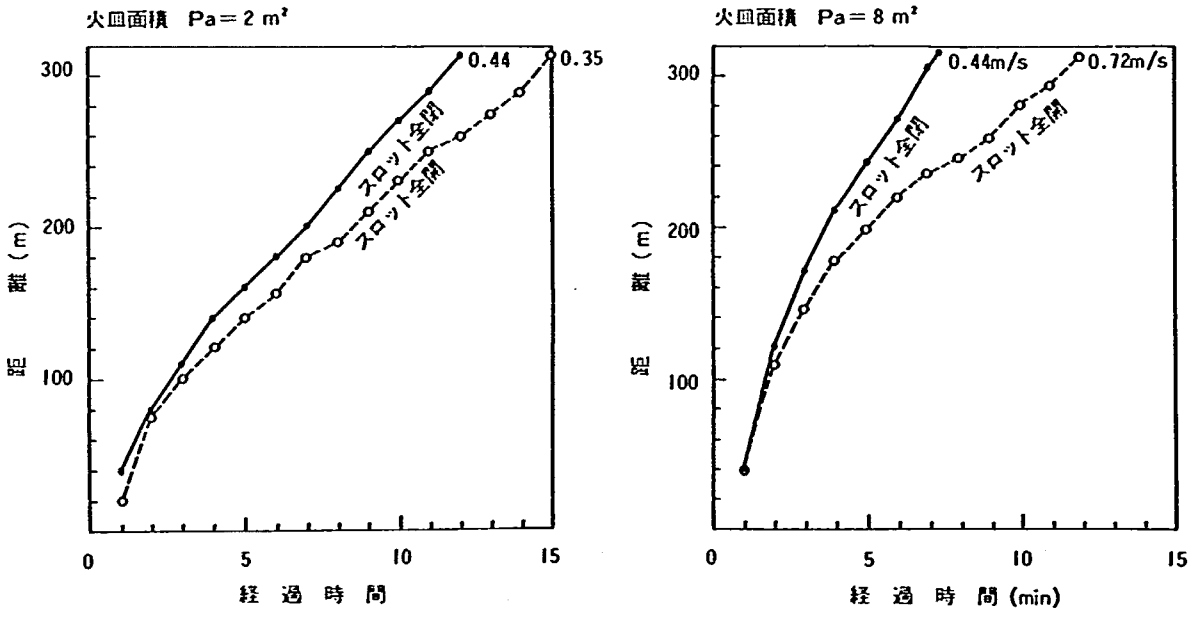


図3.24 スロットの開閉による煙層先端部の流動速度の変化

(2) 煙層の降下時間

図 3.25 は，8 m²アルコール火皿の実験において，天井面を流動する煙層が時間の経過に伴い次第にその厚さが増加して煙層が降下してくる様子を図示したものである。スロット全閉の場合には，点火 10 分後に煙層が路面から高さ 2 m 以下まで降下しているが，スロット全開の場合では，煙層は H＝2 m 以上に保持されている。

(3) 自然排煙量の推定

トンネルに浴って配置された天井スロットから自然排気されるときの通気流速の値を，火源からの距離 L＝40 m，80 m，120 m のスロットについて測定した。

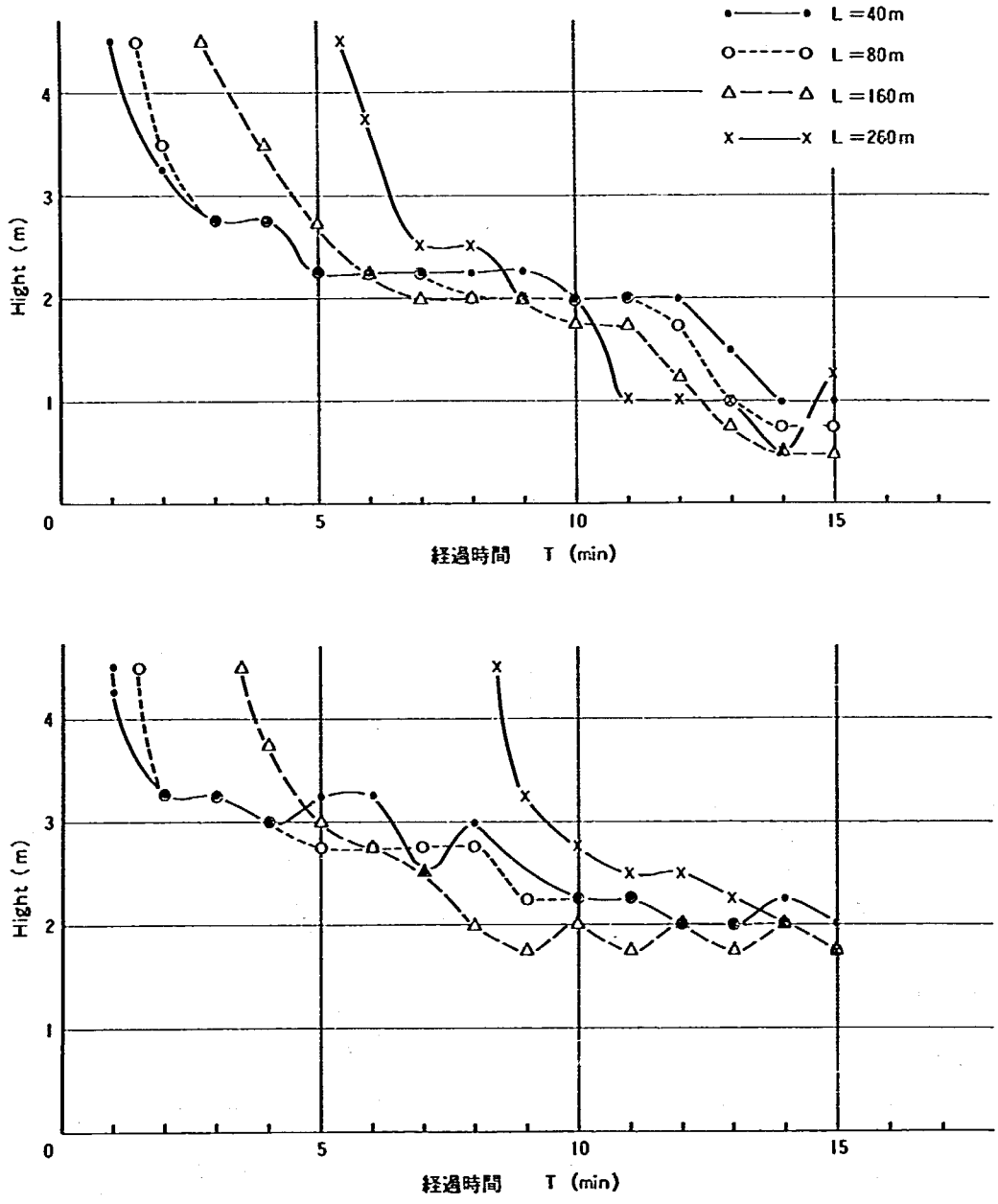


図3.25 煙層の降下状況

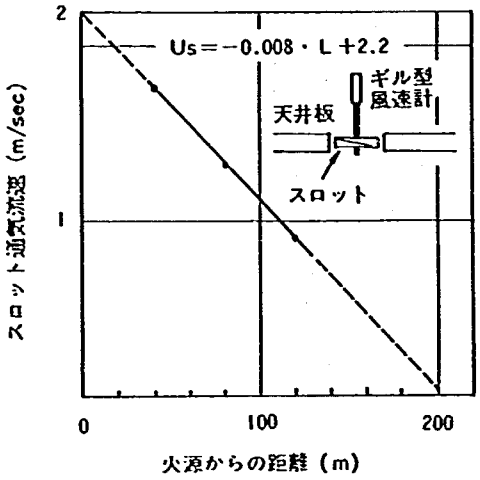


図3.26　スロットの通気流速

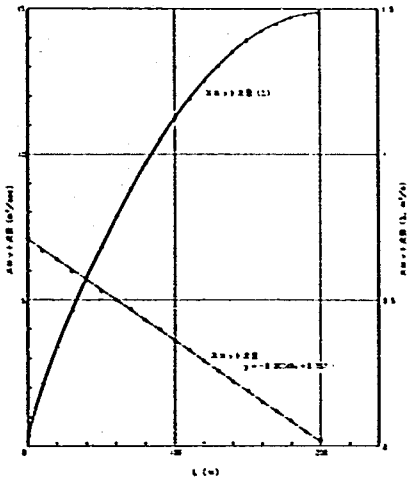


図3.27　スロットの通気流量

図3.26は，8 m² アルコール火皿実験における測定結果を例示したものである。スロットからの通気流速は0.9〜1.8 m/secで，火源に近い程大きい。スロット通気流速を火源からの距離減衰によって表すと，次の回帰式が得られた。

$$U_s = -0.0108 \cdot L + 2.2$$

ここに，U_s：スロット通気流速（m/sec），L：火災源からの距離（m）である。スロット通気流速がこの回帰式に従って減衰するものと仮定して，スロット通気流量(1断面当り)，およびその累計量を求めたものが，図3.27である。8 m² アルコール火皿の場合のスロットによる自然排煙量は，約15 m³/secと推定される。

3.2.6　天井ダクトによる強制排煙効果

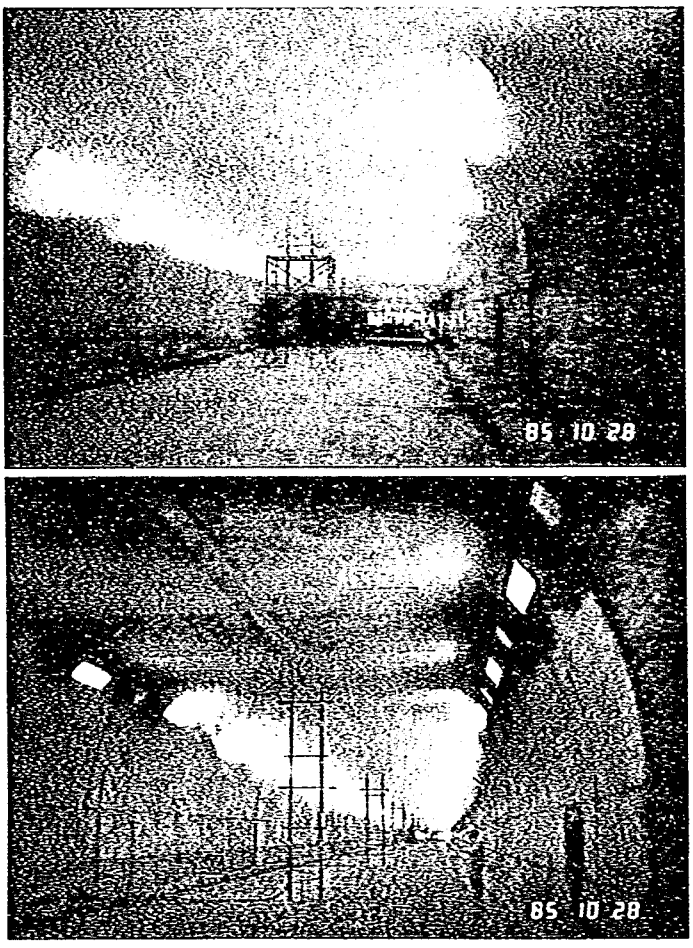
送気半横流換気方式は，平常時の運転では天井ダクトからの送気を行っているが，火災発生時には換気機を逆転運転することにより強制排煙が可能であり，その効果について検討した。

(1)　車道内無風の場合

実験ケースNo. 11，12，13は，車道内無風の状態で，火源からの距離L＝87.4 mから出口(北坑口)までの区間について天井ダクトによる排気運用を行った。この区間では1スロット当り約0.13 m³/sec/mの等風量で排気されるようにスロットの開度を設定した。

写真3.2は，実験ケースNo. 13における車道内の煙の状況である。煙層は天井面に沿って流動する過程で天井ダクト内へ排煙されるため，煙層は天井面に停滞し，路面の付近には煙のない状態が保たれている。図3.28は煙層先端部の流動状況を示したものである。煙層の先端部の流動速度は強制排気しない場合に比べて低下するとともに，初期には天井面に沿って流動した煙層も点火約5分後に停滞してしまっている。煙層が停滞した位置は，2 m² 火皿の場合でL＝130 m，4 m² 火皿でL＝160 m，8 m² 火皿でL＝230 mである。

図3.29は，点火10分後の路面からの高さH＝4.5 mにおける熱気流内上昇温度と煙の減光係数について，トンネル軸方向の分布を示したものである。いずれのケースにおいても上昇温度が0°Cとなる位置で減光係数も0となった。その位置は，2 m²火皿の場合でL＝140 m，4 m²火皿でL＝180 m，8 m²火血でL＝240 mであり，煙層の停滞した位置とほぼ一致している。



点火７分後
Ｌ＝140ｍより
火源方向を望む

点火10分後
Ｌ＝240ｍより
火源方向を望む
煙層先端部の流動は停滞している

写真3.2　煙層の流動状況
(実験ケースNo. 13)

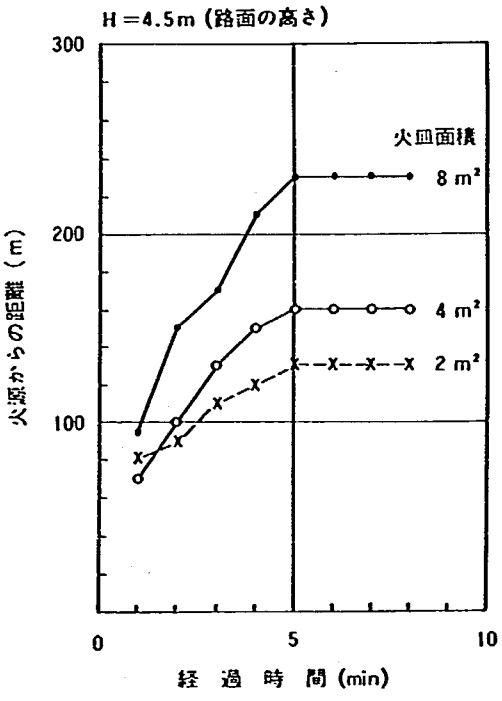


図3.28　煙層先端部の流動状況
(車道内無風，排気運動)

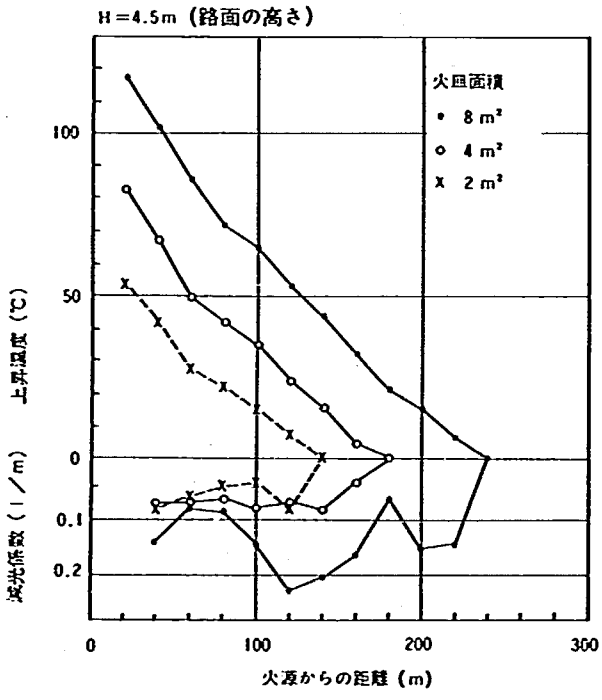


図3.29　トンネル沿いの上昇温度と
減光係数（H＝4.5m）

煙層が停滞するまでの換気区間における総排気風量は，2 m² 火皿の場合で 6.8 m³/sec，4 m² 火皿で 12.0 m³/sec，8 m² 火皿で 19.8 m³/sec である。

アルコール火皿 1 m² 当りの単位熱気流発生速度は，約 4.7 m³/sec/m² であった。無風時に出口方向に流動する熱気流量は，火源の熱気流発生速度の 1/2 とすると，2 m²火皿では 4.7 m³/sec，4 m² 火皿では 9.4 m³/sec, 8 m² 火皿では 18.8 m³/sec である。この値は，煙層が停滞するまでの換気区間の排気風量とほぼ等しい。このことから，煙層は火災源の熱気流発生速度と排気風量が均衡するところまで流動して停滞したものと考えられる。

(2) 車道内有風の場合

図 3.30 は，車道内有風時に，換気設備を停止運用とした場合と排気運用とした場合について，車道内の減光係数を比較して示したものである。図中の実線が停止運用とした場合，破線が排気運用とした場合である。なお，車道内風速は 1 m/sec，2 m/sec の 2 種類，火皿は 2 m²，4 m²，8 m² の 3 種類を組合せている。

路面付近 (H＝2 m 以下) の減光係数は，排気運用の場合と停止運用の場合のいずれにおいてもほとんど差がみられなかった。なお，天井面付近の減光係数は，排気運転をしたケースの方が天井ダクト内へ排煙されるために停止運用の場合に比べて小さくなっている。

3.2.7 天井ダクトから送気する場合

図 3.31 (a)は，天井ダクトのスロットから送気している実験ケース (8 m² 火皿) におけるトンネル沿いの煙の拡散状況を経時的に示したものである。図には，比較のためスロットを閉じた場合 ((b)図) およびスロットから排気した場合 ((c)図) を併記している。

熱気流とともに天井面下を這うように流動している煙層に対してスロットから下方に送気をしているために，煙の成層が乱されて煙が車道断面全体に広がる様子がみられる。

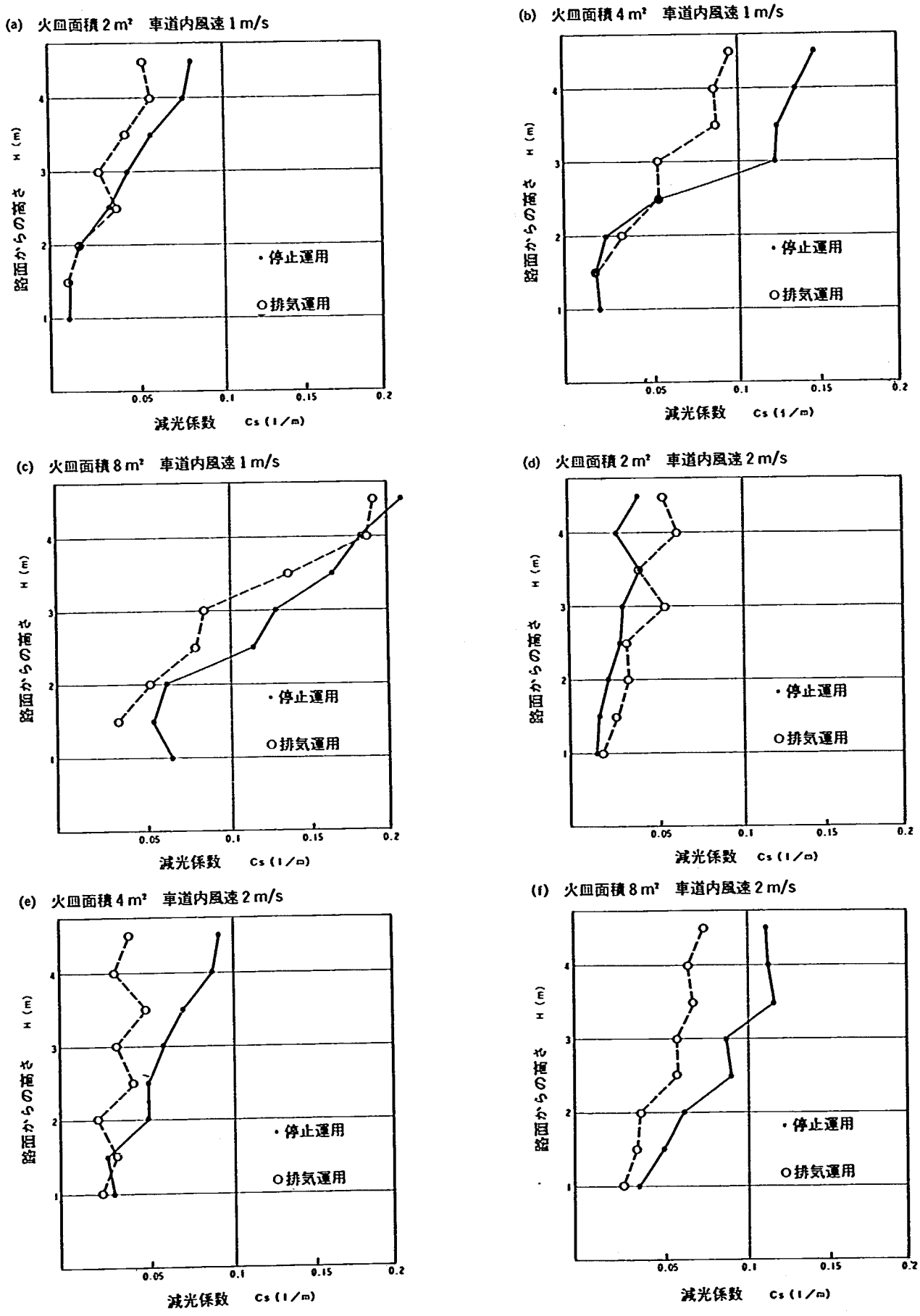


図3.30 煙濃度の縦断分布（換気機停止と排気運転の比較）

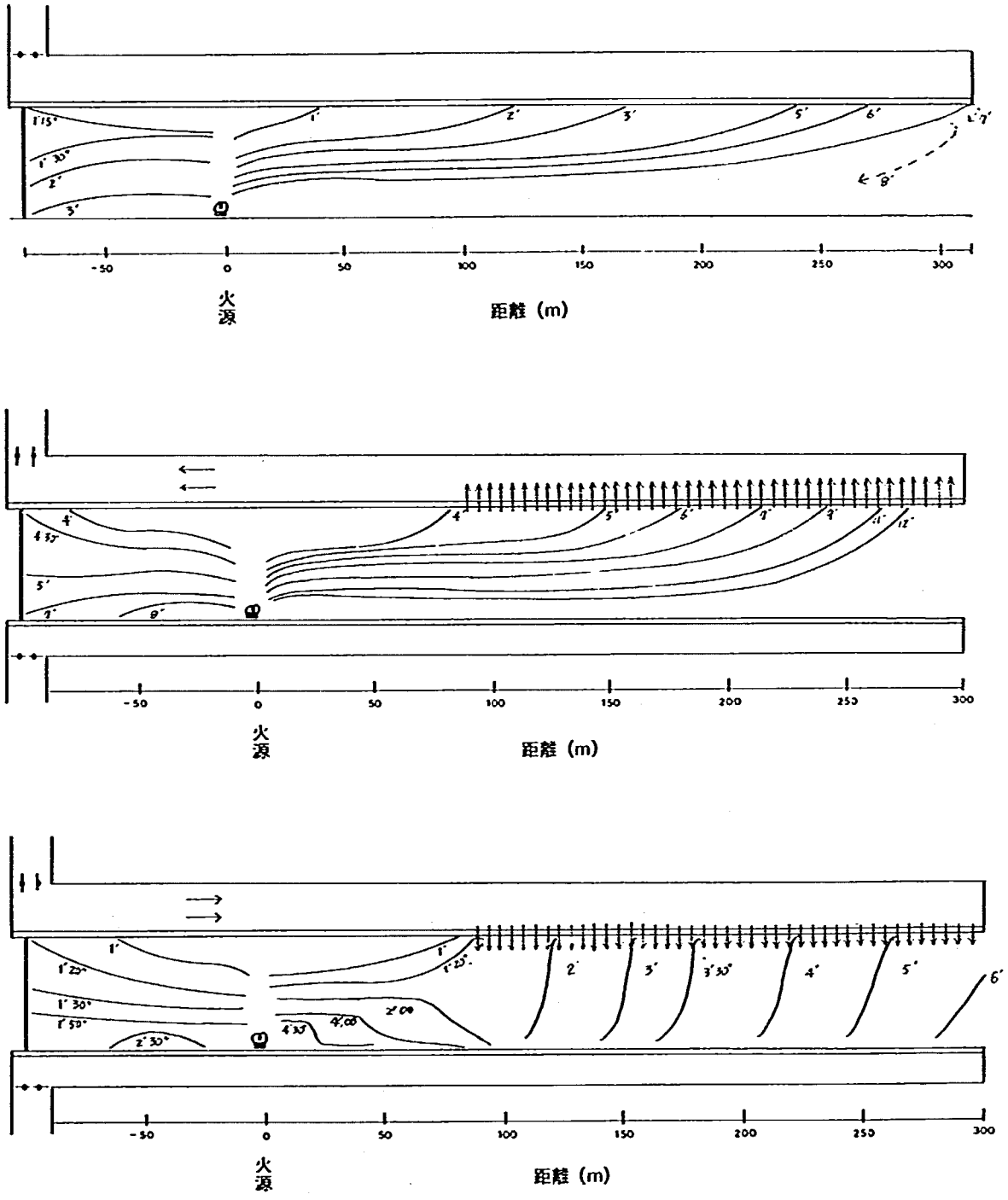


図3.31　煙の拡散状況の経時変化
(換気機送気運転と停止，排気運転の比較 図中の数字は，点火後の時間（分，秒）

4．まとめ

天井ダクトを有する半横流換気方式のトンネルにおいて，自動車火災が発生したときの煙の流動状況の把握，および煙の制御方法の検討のための基礎資料を得ることを目的として実験的研究を実施した。その結果から得られた，換気機の基本的運転モードにおける煙の挙動特性に関する結論は次のとおりである。

なお，火災時の換気設備の運転用方法は，下記の結論を踏まえて，個々のトンネルにおける設備能力，交通条件，火災の発生位置，管理体制等を考慮して検討する必要がある。

(1) 煙の流動状況

a）車道内無風の場合，煙層は天井面に沿って流動し，路面からの高さが2m程度以下の範囲では煙のない状態が約10分間維持される。しかし，煙層は天井面に沿って流動する過程で煙層内の温度が次第に低下するためしだいに降下する。煙層の先端部の流動速度は，天井ダクトのスロットを全閉とした場合で1m/sec程度以下である。

b）車道内風速が1～2m/sec程度と小さいときには，煙は天井に沿って成層状に流動する。この煙層の先端部の形状は，天井面付近が先行し火源方向にくさび状に煙層の厚さが増加する。

c）車道内風速が大きい場合には，煙層は車道断面全域に広がり風下の方向に流動する。煙層の進行速度は，車道内風速とほぼ等しい。

d）火源より発生する煙は車道内風により風下側に移流されるが，風速が小さい場合は煙層が上流側に遡上する現象がみられる。車道内風速が1m/secのときは遡上現象がみられたが，2m/secのときにはみられなかった(トンネル縦断勾配が水平のとき)。したがって，煙の流動する方向を一方向に制御しようとする場合には，火源の付近の車道内風速を2m/sec程度以上とする必要がある。

(2) 天井ダクトによる自然排煙

車道内風速がない場合には，天井ダクトのスロットおよび換気機のダンパーを開放しただけの状態でも，熱気流の浮力効果による煙層の一部が自然排煙されるため，煙層の流動速度が抑制される効果が認められた。

(3) 天井ダクトによる排気運転

天井ダクトによる下方送気半横流換気方式において，換気機を逆転し排気転運すると，天井板の換気用スロットによるダクト内へ排煙することができる。その結果，煙の流動速度は抑制される。

車道内環境としては，天井付近の煙濃度はやや薄くなるものの，路面付近の濃度についてはさほど変化がない。

なお，排気運転することにより車道内風が誘起されるので，それによって煙層が乱される可能性についても別途検討しておく必要がある。

(4) 天井ダクトによる送気運転

火災発生後も天井ダクトからの送気運転を継続すると，換気用スロットからの送気噴流により煙の成層が乱され，煙は車道断面全体に拡散される。このため，路面付近の避難環境が悪化することがあるので注意が必要である。

付表・付図

1. 燃焼時の煙の拡大状況

時刻表記：火皿点火後の分・秒
A：60年度の実験
B：61年度の実験

No	ケース番号	実験	実験中の番号	火皿面積 (m²)	車道内風速 (m/sec)	換気運用	換気運用 (m³/sec/m)	スロットの状況	
1	2A−0−0	B	CACE 1	2	0	なし	—	天井 閉 路側 閉	
2	4A−0−0		2	4					
3	8A−0−0 I		3	8					
4	8A−0−0 II	A	13						
5	2A−1−0	B	A	2	1			天井 開 路側 閉	
6	4A−1−0		B	4					
7	8A−1−0		C	8					
8	2A−2−0		13	2	2				
9	4A−2−0		14	4					
10	8A−2−0		15	8					
11	2A−0−排	A	3	2	0	排気運用 (天井スロット)	0.12		
12	4A−0−排		2	4					
13	8A−0−排		1	8					
14	2A−1−排		6	2	1				
15	4A−1−排		5	4					
16	8A−1−排		4	8					
17	2A−2−排	B	7	2	2				
18	4A−2−排		9	4					
19	8A−2−排		11	8					
20	4A−2.5−排		10	4	2.5				
21	8A−2.5−排		12	8					
22	2A−0−S	B	(A)	2	0	なし	—	天井 開 路側 閉	
23	8A−0−S		6	8					
24	8A−0−送 I	A	7			送気運用 (天井スロット)		スロット吹出流速	Vs=5m/s
25	8A−0−送 II		8						Vs=10m/s
26	8A−0−送 III		9						Vs=20m/s
27	2A−0−送 路側		12	2		送気運用 (路側スロット)			
28	4A−0−送 路側		11	4					
29	8A−0−送 路側		10	8					

アルコール火皿火災実験　　実大トンネル　No 1　2A－0－0

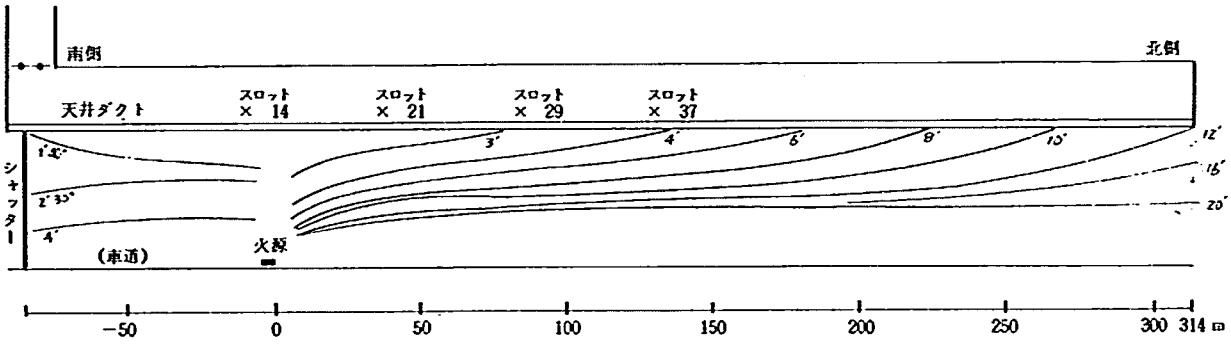
(61年，実験中の番号1)

換気方式 天井ダクト スロット	火皿面積 2㎡	スロット開度パターンⒶ	発煙時着火 3分後
換気風量 無	トンネル内 車道内風速 無風/sec	天井ダクト スロット風速 全閉 m/sec	天井ダンパー 全閉

煙の監視記録

南側　　北側

記事	経過時間	火源	記事
1. 1′40″で天井際の煙は中央シャッタに達し，以後煙層は下方に拡散される。 2. 一旦南側に拡散された煙は反転して北方に向う。 3. 煙層，下端は路面上1.6 mH以下には拡散されなかった。			1. 北々西の風（4～3 m/s）が強く，北坑口で煙の反転が起きた。 2. 煙層の下端附近は北進する煙とその下方を南進（反転した煙）する煙とが混合している状況であった。 3. 天井際を先走る煙は，ほゞ0.4 m/secである。 4. 路面上2.0 mH以下には煙が拡散しない。



アルコール火皿火災実験　　実大トンネル　No 2　4A－0－0

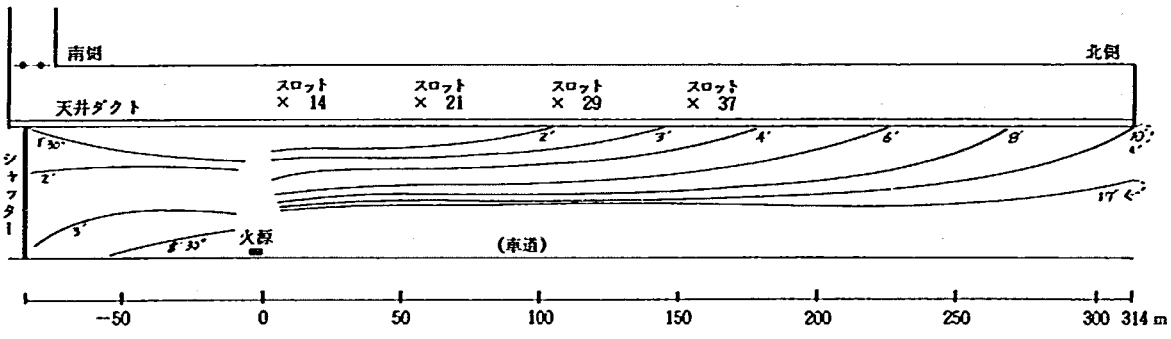
(61年，実験中の番号2)

換気方式 天井ダクト スロット	火皿面積 4㎡	スロット開度パターンⒶ	発煙時着火 3分後
換気風量 無㎥/sec	トンネル内 車道内風速 0 m/sec	天井ダクト スロット風速 全閉 m/sec	天井ダンパー 全閉

煙の監視記録

南側　　北側

記事	経過時間	火源	記事
1. 煙の反転北進はケース1に同じ。 2. 煙層の厚さは，3′30″～6′00″位までは変らなかった。 3. 北坑口は11′30″で見えなくなった。			1. 北坑口での煙の反転があった。北北西の風向，風速2.85～2.35 m/sec。 2. 煙層の下端部は北進と南進とがあった。（ケース1に準ずる） 3. 路面上，2 mH以下には煙の拡散はなかった。



アルコール火皿火災実験　　実大トンネル　№3　8A－0－0

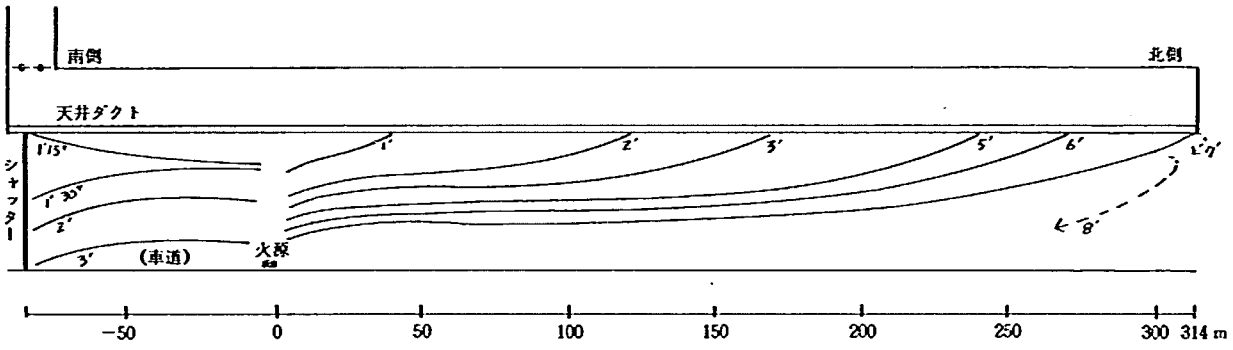
(61年，実験中の番号3)

換気方式　天井ダクト スロット	火皿面積　8㎡	スロット開度パターン㋐	発煙時着火　3分後
換気風量Q　無㎥/sec	トンネル内 車道内風速　0m/sec	天井ダクト スロット風速　全開 m/sec	天井ダンパー　全開

煙の監視記録

南側　　北側

記事	経過時間	火源	記事
1. 1′15″で天井際の煙が中央シャッタに達し，以後煙層は下方に拡散される。 2. 南側への南進する煙量は，全量の約半量より多い。 3. 南進した煙は，その後反転して北進する。 4. 路面上1mH以下への煙の拡散は非常に少い。 5. 9分で北坑口が見えなくなった。			1. 北坑口で煙の反転があった。風向：北々西，風速2.8～2.65m/sec。 2. 煙層下境部は北進煙と反転した南進煙の層があった。（下図の点線） 3. 路面上1.0mH以下への煙の拡散は殆んど無かった。



アルコール火皿火災実験　　実大トンネル　№4　8A－0－0Ⅱ

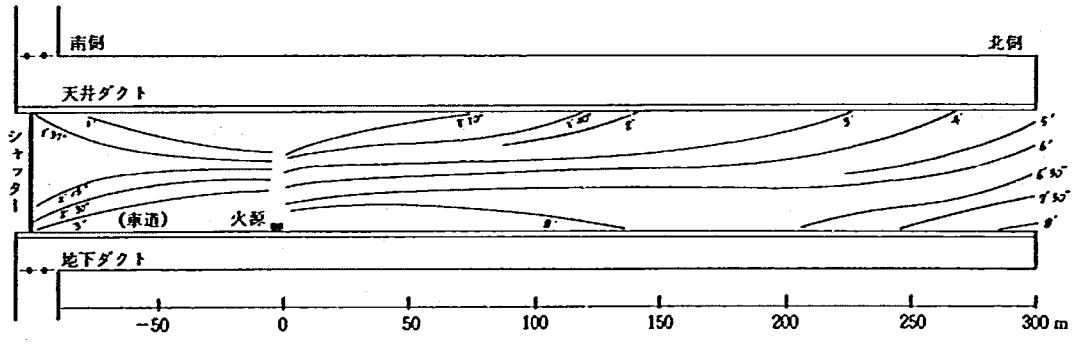
(60年，実験中の番号13)

換気方式　天井ダクト スロット	火皿面積　8㎡	スロット開度パターン㊀	発煙時着火　同時
換気風量　0㎥/sec	トンネル内 車道内風速　0m/sec	天井ダクト スロット風速　全開 m/sec	天井ダンパー

煙の監視記録

南側　　北側

記事	時刻 分 秒	火源	記事
1. 南側への煙の拡散状況は，ケース1に類似している。路面側到達速度はやゝ早い。 2. 煙の濃度は北側より濃い。 3. 視程，3′30″ −30m，0.5mH以下北方約100m 6′00″ −30m，0.5mH以下北方約30m 2mH以上は約10m 9′00″で全面的に視界ゼロとなる。 4. 退避，点火後9分	0：00 4：30 9：00 14：00 20：00	火皿点火 第1次発煙 第2次発煙 第3次発煙 消　煙 消　火	1. 送・排気機停止，ダンパ，スロット全閉。 2. 火皿全面に亘り均等な燃焼塔が立上る。点火と同時発煙。 3. ±0～80m区間天井際の煙の到達はケース1に類似している。 4. 無風であるため，煙の拡散は路面上2m以上を横方向に北側に延びて，その到達速度はケース4よりも早い。 5. 下図から路面上2mH以上の気流方向は→で，2mH以下は←であることが判る。 6. 北側監視員は6分30秒で坑外に退避し，坑口から内部を観察した。 0～80m監視員及び火源人員は10分後退避。 7. 視程 3mH以上＝0～20m（全線），1m以下は9m後100m，10分後80m（at 0～80m） 8. 退避，北側監視員6分後（以後坑口より），0～80m監視員10分後，火源人員9分後。



アルコール火皿火災実験　　実大トンネル　No.5　2A－1－0

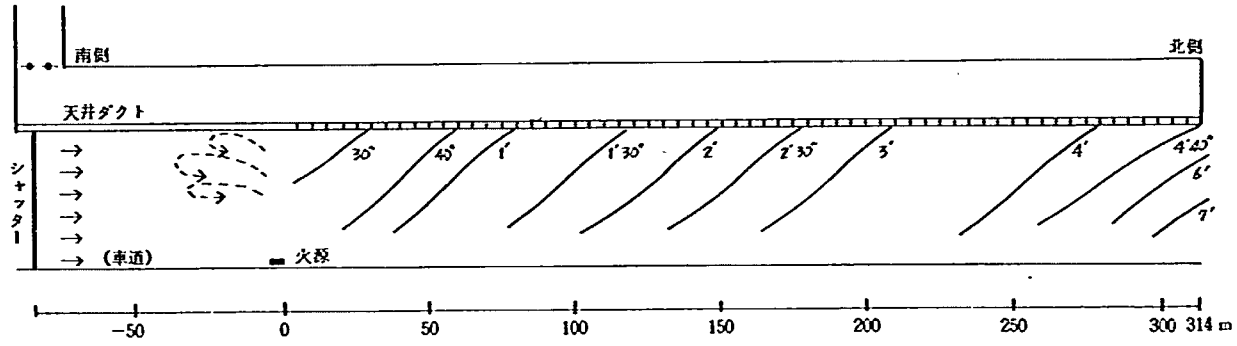
(61年，実験中の番号A)

換気方式 天井ダクト スロット	火皿面積 2㎡	スロット開度パターンⒶ	発煙筒着火 3分後
換気風量Q 無 ㎥/sec	トンネル内 車道内風速 Vt 0.94	天井ダクト スロット風速 開度調節 m/sec	天井ダンパー 全開

煙の監視記録

南　側　　北　側

記事	経過時間	火源	記事
1. 煙測目を配置しなかった。写真No.1より判定して南側への煙の移動・拡散が認められる。 2. 路面上，2.5mH以上であると認められる。 (－20mの標識1.5mHが覆んでいない。)			1. 煙の濃度は路面上高い箇所が大である。路面上2.5mH以下は薄い。 2. 北坑口では路面高さ2mH以下は特に薄い。 3. 風向：西～北々西，風速0.9～0.42m/sec。 4. 天井際の煙の先走りは車道2.5mH風速に対し(0.94m/s×4'40"＝263m)早い。



アルコール火皿火災実験　　実大トンネル　No.6　4A－1－0

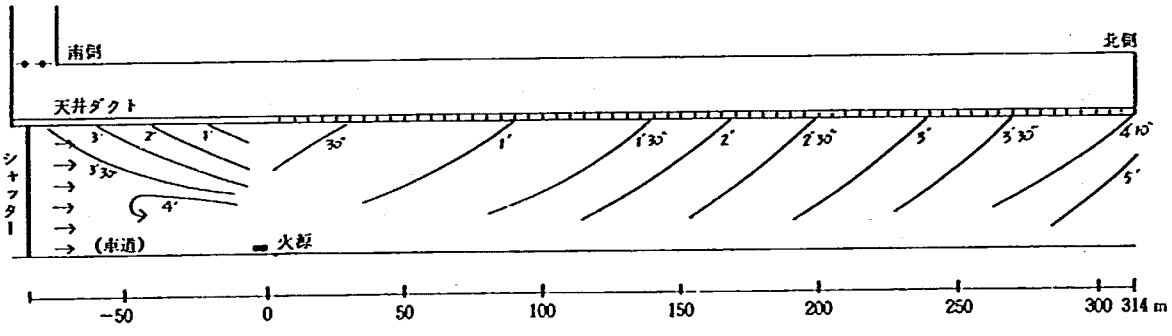
(61年，実験中の番号B)

換気方式 天井ダクト スロット	火皿面積 4㎡	スロット開度パターンⒶ	発煙筒着火 3分後
換気風量 無 ㎥/sec	トンネル内 車道内風速 0.99	天井ダクト スロット風速 開度調節 m/sec	天井ダンパー 全開

煙の監視記録

南　側　　北　側

記事	経過時間	火源	記事
1. 3'30"過ぎに天井際は中央シャッタに達し，以後煙は下方に広がる。 2. 4分後煙は南道から北道に変る。 3. 1.5mH以下には煙が薄い。			1. 煙の濃度は路面上高い箇所が大である。 2. 天井際の煙の先走りは，車道内風速(2.5mH，0.99m/s×4'10"＝247m)より早い。 3. 車道1.0mH以下の煙はやゝ薄い。



アルコール火皿火災実験　　実大トンネル　No.7　8A－1－0

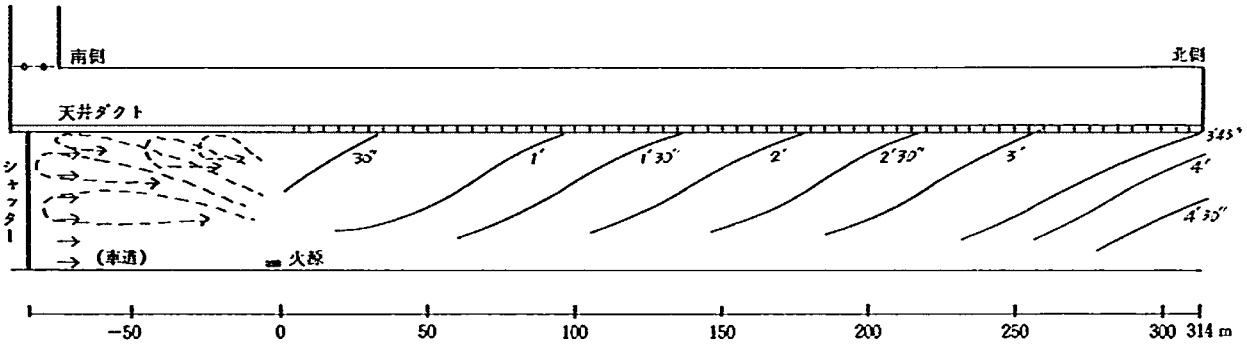
(61年，実験中の番号C)

実験ケ

換気方式	天井ダクト(開度) スロット(調節)	火皿面積	8㎡	スロット開度パターンⒶ		発煙筒着火	3分後
換気風量	無 ㎥/sec	トンネル内 車道内風速	1.04	天井ダクト スロット風速	開度調節 m/sec	天井ダンパー	全閉

煙の監視記録

南側			北側
記事	経過時間	火源	記事
1. 観測員を配置しなかった。写真No.1より判定し，南側への煙の移動・拡散は広範囲であることが認められる。 2. 南進した煙は中央シャッタに達した後，反転して北進したことが認められた。			1. 煙の濃度は路面上高い箇所が大である。 2. 天井際の煙の先走りは，車道内風速（2.5mH，1.04 m/s × 3'45" = 234）より大変早い。 3. 車道内1.5 mH以下の箇所も煙は相当に濃い。

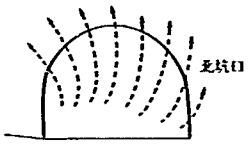


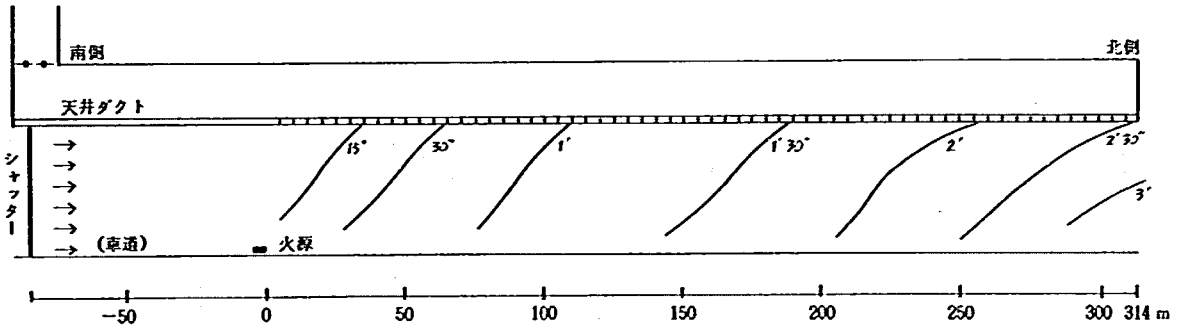
アルコール火皿火災実験　　実大トンネル　No.8　2A－2－0

(61年，実験中の番号13)

換気方式	天井ダクト スロット	火皿面積	2㎡	スロット開度パターンⒶ		発煙筒着火	3分後
換気風量	無 ㎥/sec	トンネル内 車道内風速	2.03	天井ダクト スロット風速	開度調節 m/sec	天井ダンパー	全閉

煙の監視記録

南側			北側
記事	経過時間	火源	記事
南側への煙の拡散はない。			1. 煙は天井際が先走りし，路面上高い箇所の濃度がやゝ大である。 2. 同一箇所の視程距離は，1分間の内で変化が見られる（煙の濃淡が分・秒的に変化している。この傾向は他のケースにもある。 3. 北坑外での煙の反転はない。風向：南～南々東，風速：0.18～0.76 m/sec。 



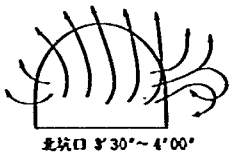
アルコール火皿火災実験　　実大トンネル　No.9　4A－2－0

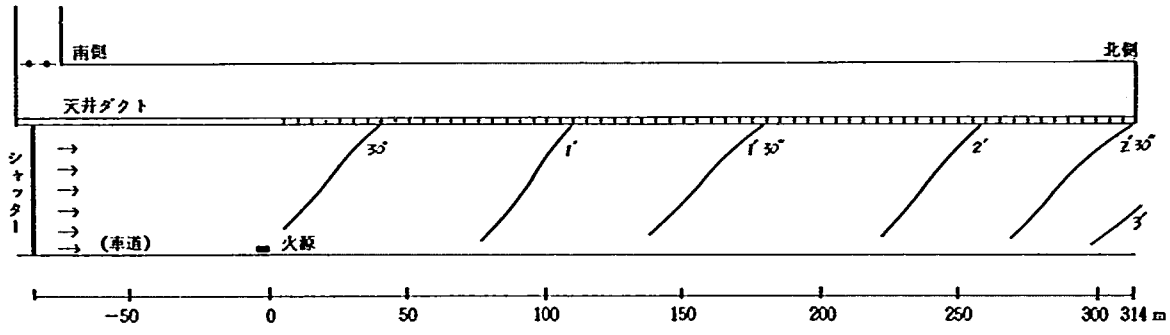
(61年，実験中の番号14)

換気方式　天井ダクト スロット排気	火皿面積　4㎡	スロット開度パターンⒶ	発煙筒着火　3分後
換気風量　無 m/sec	トンネル内 車道内風速　2.04	天井ダクト開度調節 スロット風速　m/sec	天井ダンパー　全開

煙の監視記録

南　側　　北　側

記事	経過時間	火源	記事
南側への煙の拡散はない。			1. 煙の濃度は路面上高い箇所が大である。 2. 天井際の煙が先走りし，車道内2.5 m H風速（2.04 m/sec × 2′30″ = 306 m）よりやゝ早い。 3. 風向：南西，風速4.3～3.8 m/sec。  北坑口 3′30″～4′00″



アルコール火皿火災実験　　実大トンネル　No.10　8A－2－0

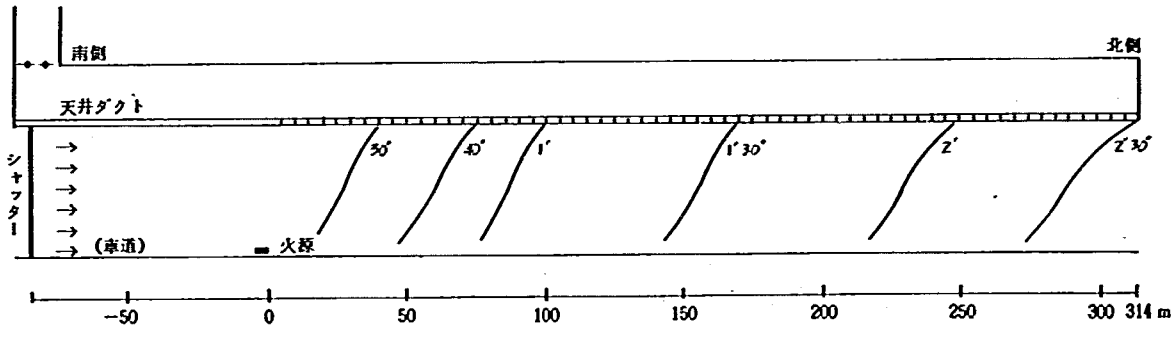
(61年，実験中の番号15)

換気方式　天井ダクト スロット排気	火皿面積　8㎡	スロット開度パターンⒶ	発煙筒着火　3分後
換気風量　無 m/sec	トンネル内 車道内風速　2.01	天井ダクト　開度調節 スロット風速　m/sec	天井ダンパー　全開

煙の監視記録

南　側　　北　側

記事	経過時間	火源	記事
南側への煙の拡散はない。			1. 煙の濃度は路面上高い箇所が大である。 2. 天井際の煙の先走りは（2.01 m/s × 2′30″ = 301.5 m）車道2.5 m H風速よりやゝ早い。 3. 風向：南風，風速2.5～2.8 m/sec。



アルコール火皿火災実験　　実大トンネル　No.11　2A－0－排

(60年，実験中の番号3)

換気方式　天井ダクト スロット排気	火皿面積　2㎡	スロット開度パターン Ⓐ	発煙時着火　3分後
換気風量　24.0㎥/sec	トンネル内 車道内風速　0 m/sec	天井ダクト スロット風速　開度調節 m/sec	天井ダンパー　全開

煙の監視記録

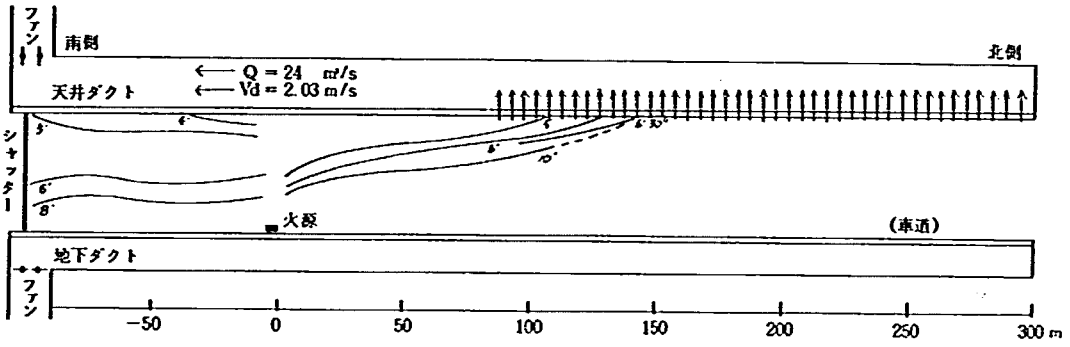
南側

記事	時刻 分 秒	火源
1. 燃焼ガス気流は南側にも拡散されるが，中央シャッタにより押戻されて，火源横を通り北側に対流気流となる。 2. 発煙後2分間の煙の拡散は南北ほゞ同じである。 3. 其の後路面上高さにおいて，下方への拡散があり，発煙後3分で高さ2mに達し，発煙6分後で高さ1mに達し，それ以下には殆ど拡散しない。 4. 横断面において，右図の如く東・西両サイドにおいて下方への過巻拡散があった。(at－30m，発煙後5分以降) 5. 視程，3mH (6'00") 20m，1mH以下200m位。	0：00 3：00 7：30 12：00 20：00	アルコール火皿点火 第1次発煙 第2次発煙 消煙 自然消火

北側

(60年，実験中の番号3)

記事
1. 天井スロット　#33以降開く，地下スロット全閉，北坑口より北風向の自然風吹込む。 2. 点火直後アルコール火皿全面に亘り均等な燃焼煙が立上る。 3. 煙の拡散・移動は天井際を走り，発煙後1分31秒で100m天井スロットに達し，天井ダクトに吸込まれ，100mより北側に拡散する速度はやゝ遅くなる傾向となる。 4. 発煙後3分30秒で140mに到達しそれ以上には拡散せず，煙は天井スロットに吸込まれる。 5. 煙拡散速度 1.1～0.33 m/sec 6. 発煙後3分30秒で＋120m～＋140mの区間で煙の反転(ケース1に準ずる)が起きる。 7. 煙の下方への拡散は遅く，発煙後7分で2.5mH (at＋40m)～3.3m (at＋100m) であり，以後これ以下の高さには煙の拡散がない。 8. 視程，高さ3.5mH以上で30m，3mで50m。



アルコール火皿火災実験　　実大トンネル　No.12　4A－0－排

(60年，実験中の番号2)

換気方式　天井ダクト スロット排気	火皿面積　4㎡	スロット開度パターン Ⓐ	発煙時着火　3分後
換気風量　24.4㎥/sec	トンネル内 車道内風速　0 m/sec	天井ダクト スロット風速　開度調節 m/sec	天井ダンパー　全開

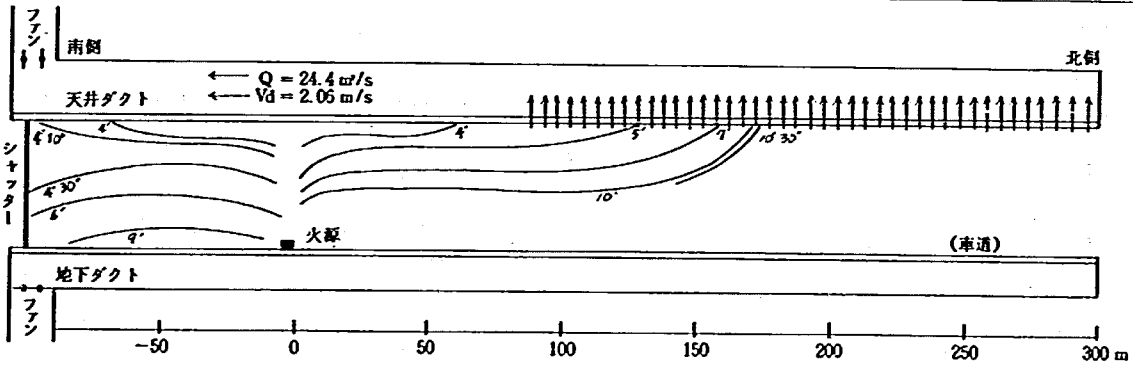
煙の監視記録

南側

記事	時刻 分 秒	火源
1. 燃焼ガス気流が南側にも拡散されるが，中央シャッタで押戻され結局火源の横を通り北側に対流気流となる。 2. 発煙60秒後の天井際到達距離は北側とほぼ同じ。路面上高さ2mに達するのは，発煙後4分であり，北側より遥かに早い。 3. 煙濃度は北側より異常に濃く，視程は20m位。 4. 発煙後6分，10分において，路面下部に煙が滞留した。 5. 視程　5'00" 3mH以上20m，10'00" 2mH以上ゼロ。	0：00 3：00 7：30 12：00 20：00	アルコール火皿点火 第1次発煙 第2次発煙 消煙 自然消火

北側

記事
1. 天井スロット　#33以降開く，地下スロット全閉，北坑口より北風向の自然風吹込む。 2. 火皿全面均等な燃焼煙立上る。 3. 煙の拡散・移動は天井際を走り，発煙後60秒：60m，120秒後145mに達する。 4. 煙の拡散速度　1.0～1.2 m/sec (火皿8㎡より火勢が小で，拡散速度も低い)。 5. 天井スロットから排煙される。路面上高2m以下には煙の拡散はなかった。 6. 視程は高さ3m以上，at80mで約30m，2m以下で200m。 7. 煙の拡散・移動の範囲は，170m以内であり，それ以上には到達しなかった。 8. 発煙後4分30秒後150mにおいて，煙の反転が起り (実験ケース1参照) その以後逆次奥に移り，発煙後7分30秒で＋170mに達した。この区間の各天井スロットルの周辺で過流が起きている。＋180m以上の天井スロットは単に外気を吸込んだことになる。



アルコール火皿火災実験　実大トンネル　No.13　8A－0－排

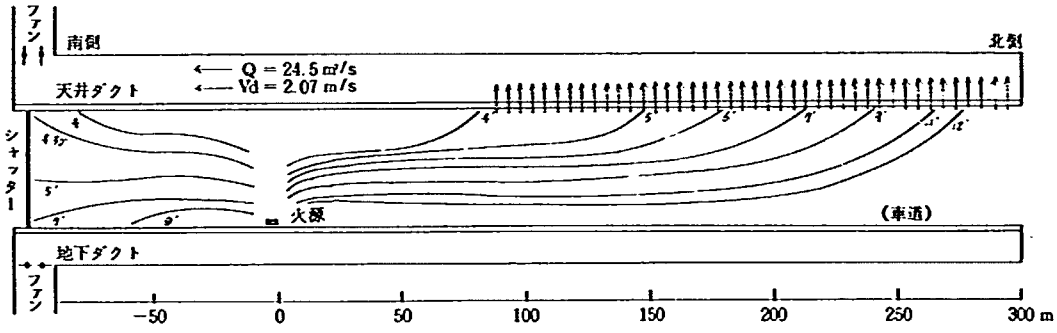
(60年，実験中の番号1)

換気方式　天井ダクト スロット排気	火皿面積　8㎡	スロット開度パターンⒶ	発煙時着火　3分後
換気風量　24.5㎥/sec	トンネル内 車道内風速　0 m/sec	天井ダクト スロット風速　開度調節 m/sec	天井ダンパー　全閉

煙の監視記録

南側

記事	時刻 分 秒	火源	北側 記事
1. 燃焼ガス気流が南側にも拡散されるが，中央シャッタで押戻され，結局火源の横を通り，北側に対流気流となる。	0：00	アルコール火皿点火	1. 天井スロット　#33以降開く，地下スロット全閉，北坑口より北風向の自然風吹込む。
2. 発煙60秒後の煙の天井際到達距離は北側とほゞ同じ。路面上高さ2mに達するのは，発煙後2分であり，北側より著しく早い。	3：00	第1次発煙	2. 点火直後アルコール火皿全面に亘り均等な燃焼焔が立上る。 3. 煙の拡散・移動は天井際を走り，発煙60秒：80m，発煙120秒後180mに達する。 4. 煙の拡散速度天井際1.3 m/sec (at 80m)，1.5 m/sec (at 180m)
3. 煙の濃度は，北側より濃く，視程は，20m程度。 4. 2度目の発煙後60秒で全坑道に煙が充満した。 5. 煙濃度は北側より南側が遥かに大である。	7：30	第2次発煙	5. 天井スロットから排煙されるので高さ2mレベルになるのに発煙後5～7分である。 6. 視程は高さ3m以上で40m，高さ2mで60m程度である。
6. 点火後10分（再発煙の後）以後煙は北側へ流れる。	12：00	消煙	7. ＋220mより北側では煙の反転が起きる。下図通り天井附近を北進した煙がスロットで全部吸引されず1部の煙は北進後，反転し，南進して天井スロットに吸込まれる。
7. 視程，5'00"で20m，8'00"でゼロ，退避9分後	20：00	自然消火	8. 視程，±0～80m区間3mH以上約10m，2mH以下50mトンネル内自然対流により高さ1m以下は煙の濃度が薄く，視界約100m



アルコール火皿火災実験　実大トンネル　No.14　2A－1－排

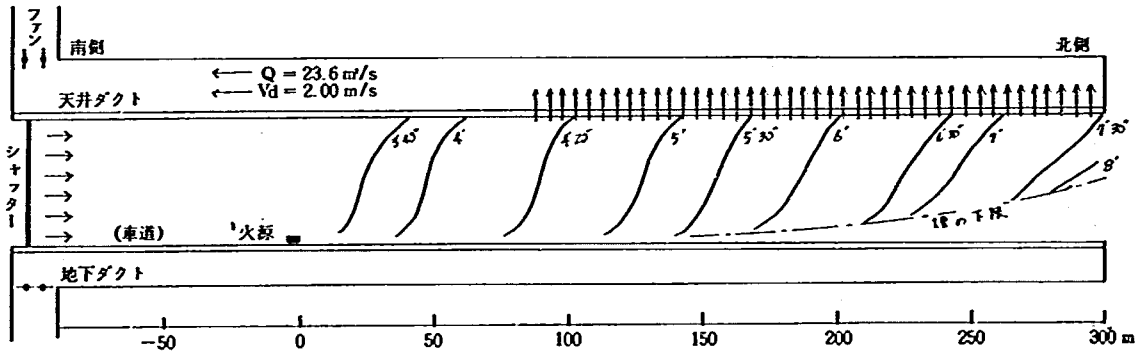
(60年，実験中の番号6)

換気方式　天井ダクト スロット排気	火皿面積　2㎡	スロット開度パターンⒶ	発煙時着火　3分後
換気風量　23.6㎥/sec	トンネル内 車道内風速　0.99 m/sec	天井スロット スロット風速　開度調節 m/sec	天井ダンパー　全開

煙の監視記録

南側　　火源　　北側

	時刻 分 秒	記事	
1. 南側には煙が拡散しない 車道内風速1 m/sec（緩流）の影響である。 火皿面積が2㎡で燃焼ガスの発生量が少なく，南側に逆流し得なかった。	0：00	アルコール火皿点火	1. 天井スロット　#33以降開く，地下スロット全閉，車道内風速1 m/sec。 2. 点火直後アルコール火皿全面に亘り均等な燃焼焔立上る。
	3：00	第1次発煙	3. 煙の拡散は緩流により全断面を流れる。天井際が先走りし，時間経過と共に煙の先端（天井際）が先に延びる傾向にある。 4. 発煙後30秒間は，主として天井際のみ煙が走り，その後に煙は全断面に拡散する。 5. 北坑口において，路面高さ2mH以下には煙が拡散しない。下図の鎖線以下に煙は拡散しない。
	7：30	第2次発煙	6. 煙の拡散速度　天井際 1.25 m/sec (at＋100m) ～ 1.1 m/sec (at＋200m) 路面側 0.9 m/sec (at＋100m)
	12：00	消煙	7. 前記3，4，5，6は天井スロットの排煙効果が大きいことを示している。 8. 視程は高さ3.5mH at＋100mで60m，高さ2m，at＋100mで80mである。



アルコール火皿火災実験　　実大トンネル　No.15　4A－1－排

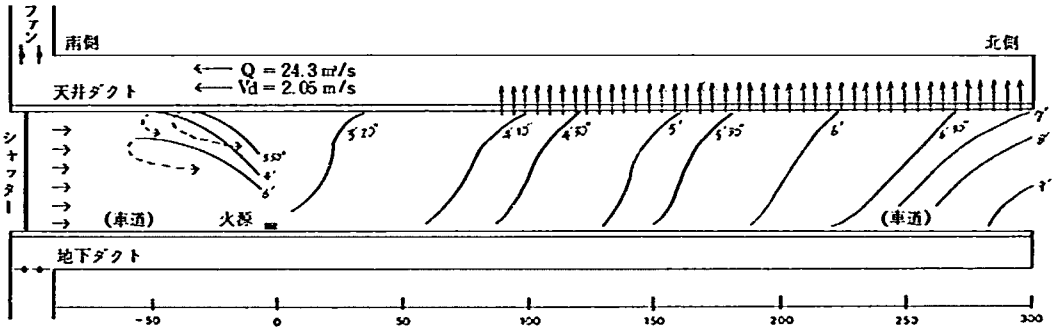
(60年，実験中の番号5)

換気方式　天井ダクト スロット(排気)	火皿面積　4㎡	スロット開度パターン Ⓐ	発煙筒着火　3分後
換気風量　24.3㎥/sec	トンネル内 車道内風速　0.97m/sec	天井ダクト スロット風速　開度調節 m/sec	天井ダンパー　全開

煙の監視記録

南側　　北側

記事	時刻 分 秒	火源	記事
1. 車道風速に逆流して，南側にも拡散される。但し，そのトンネル横断面においては，ケース4の場合の如く，全断面でなく，東側断面のみである。 2. 拡散の範囲は－60mまでであり，その先には極く薄い煙しか到達しない。 3. 発煙後3分以降は南進した煙が反転して北進するが，路面高で2.5mH以下には拡散しない。 4. 視程，路面高3.5mH以上で6'00"で約60m。	0：00 3：00 7：30 12：00 20：00	アルコール火皿点火 第1次発煙 第2次発煙 消煙 自然消火	1. 天井スロット　#33以降開く，地下スロット全閉，車道内風速（逆流）1m/sec。 2. 点火直後アルコール火皿全面に亘り均等な燃焼煙が立上る。 3. 煙の拡散は逆流により全断面を流れる。天井際が先走りし，時間経過とともに，煙の先端（天井際）が先に延びる傾向にある。 4. 煙の拡散速度 天井際　1.4m/sec(at＋100m)～1.2m/sec(at＋200m)～1.2m/sec(at＋260m) 路面際　0.9m/sec(at＋100m)～0.9m/sec(at＋200m)～0.8m/sec(at＋260m) 5. 前記3，4は天井スロットの排気効果である。 6. 視程は，高さ3.5m，at＋100mで40m，高さ2m，at＋100mで60mである。



アルコール火皿火災実験　　実大トンネル　No.16　8A－1－排

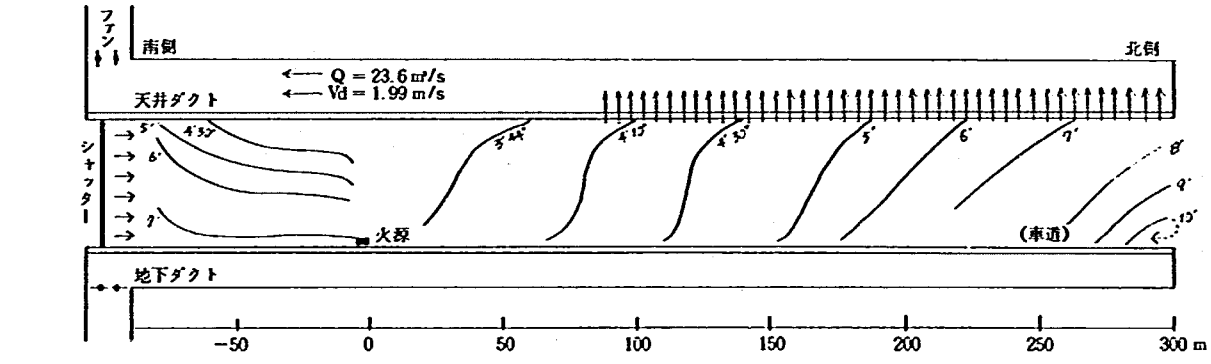
(60年，実験中の番号4)

換気方式　天井ダクト スロット(排気)	火皿面積　8㎡	スロット開度パターン Ⓐ	発煙筒着火　3分後
換気風量　23.6㎥/sec	トンネル内 車道内風速　1.00m/sec	天井ダクト スロット風速　開度調節 m/sec	天井ダンパー　全開

煙の監視記録

南側　　北側

記事	時刻 分 秒	火源	記事
1. 車道内風速が北向きであったが，ダンパ出口で90度曲げられるため，トンネル横断において，逆流は西側に偏し，東側は北向流速が低い。 2. 煙発生が多量であるので，南側にも煙の拡散があった。しかし，下図はトンネルの全横断面におけるものでなく，右下図の東側断面におけるものである。 3. 東側拡散ゾーンの煙はその後点線矢印の方向に移動する。その後火源横を通り北側へ。 4. 視程，5'00"，3mH以上50m，8'00"，2mH以下100m。	0：00 3：00 7：30 12：00 20：00	アルコール火皿点火 第1次発煙 第2次発煙 消煙 自然消火	1. 天井スロット　#33以降開く，地下スロット全閉，車道内風速（逆流）1m/sec。 2. 点火直後アルコール火皿全面に亘り均等な燃焼煙が立上る。 3. 煙の拡散は逆流により全横断面を流れる。天井際は先走りし，時間経過とともに，煙の先端は先に延びる。 4. 煙の拡散速度　天井際　1.4m/sec（at＋100m）～1.08m/sec（at＋260m） 路面際　1.0m/sec（at＋60m）～0.8m/sec（at＋200m） 5. 北坑口で点火後10分30秒（発煙後7分30秒）以降に，路面際で煙の逆流があった。これは，当日気象北風のためである。 6. 前3，4項は天井スロット排気の効果である。 7. 視程，高さ3m，at＋100mで30m，高さ2mレベルで40m程度である。



アルコール火皿火災実験　　実大トンネル　No.17　2A－2－排

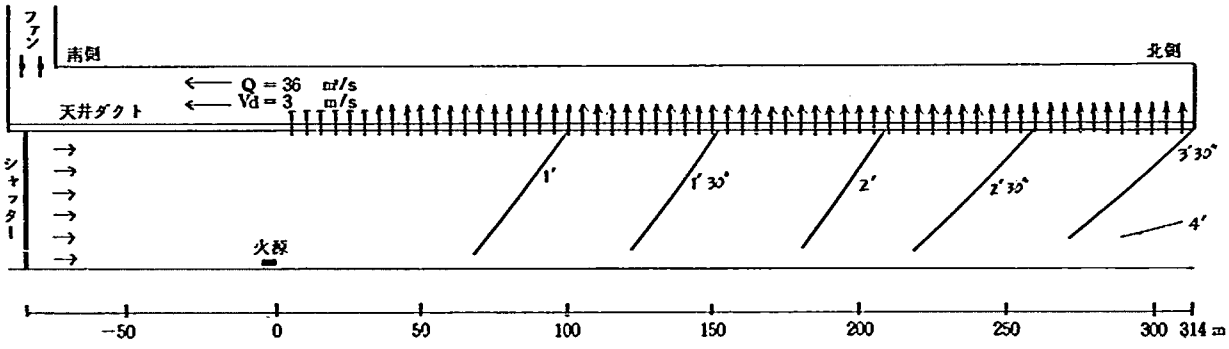
(61年，実験中の番号7)

換気方式　天井ダクト スロット(排気)	火皿面積　2㎡	スロット開度パターンⒶ	発煙筒着火　3分後
換気風量　36.0㎥/sec	トンネル内 車道内風速　0 m/sec	天井ダクト スロット風速　開度調節 m/sec	天井ダンパー　全開

煙の監視記録

南側　　北側

記事	経過時間	火源	記事
南側への煙の拡散はない。			1. 煙の濃度は路面上高い箇所が濃い。 2. 北坑口で入気がトンネル内に吹込み渦きが起きた。 風向：南南西，風速：0.85～1.55 m/sec。 3. 煙の天井部先走りは，車道平均速度よりやゝ遅い。 1.91 m/s × 3′05″ = 353 m (天井ダクト排気の影響) 4. 路面上3mH以下への煙濃度が高くなるのには，2.5mH＝6′，2mH＝7′，1.5mH＝8′，1mH＝9′，0.5m以下は10′以上であった。



アルコール火皿火災実験　　実大トンネル　No.18　4A－2－排

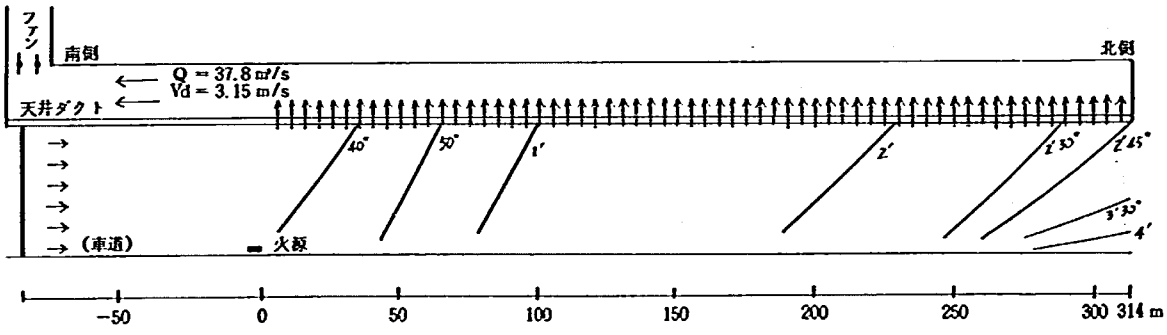
(61年，実験中の番号9)

換気方式　天井ダクト スロット(排気)	火皿面積　4㎡	スロット開度パターンⒶ	発煙筒着火　3分後
換気風量　37.8㎥/sec	トンネル内 車道内風速　Vt 2.07 m/sec	天井ダクト スロット風速　開度調節 m/sec	天井ダンパー　全開

煙の監視記録

南側　　北側

記事	経過時間	火源	記事
南側への煙の拡散はない。			1. 煙は天井部が先走り，路面上高い箇所の濃度がやゝ大である。 2. 北坑外で煙が右下図の如く渦巻いていた。風向：北西，風速：1.2～1.55 m/sec。 3. 天井部の煙の速度は，車道平均値よりやゝ遅い。 (Vt 2.07 m/s × 2′45″ = 341 m) 北坑口



アルコール火皿火災実験　　実大トンネル　No19　8A－20－排

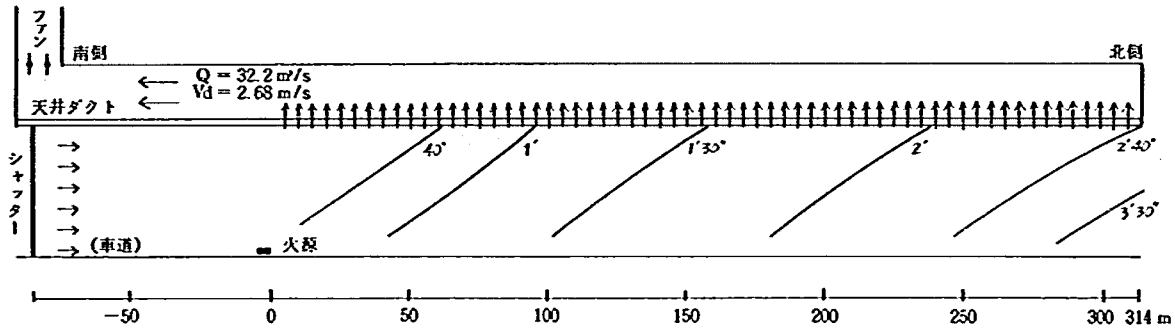
(61年，実験中の番号11)

換気方式　天井ダクト スロット(排気)	火皿面積　8㎡	スロット開度パターンⒶ	発煙筒着火　3分後
換気風量　32.2㎥/sec	トンネル内 車道内風速　2.00	天井ダクト スロット風速　開度調節 m/sec	天井ダンパー　全開

煙の監視記録

南側　　北側

記事	経過時間	火源	記事
南側への煙の拡散はない。			1. 煙の濃度は路面上高い箇所が大である。 2. 天井際の煙の先走りは，車道風速（2.5mH，2.0m/s×2′40″＝360m）より遅い。（天井ダクト排気の影響） 3. 風向：南，風速0.63～0.70m/sec，北坑口の反転はない。 4. 路面上低い箇所にも煙の拡散がある。



アルコール火皿火災実験　　実大トンネル　No20　4A－25－排

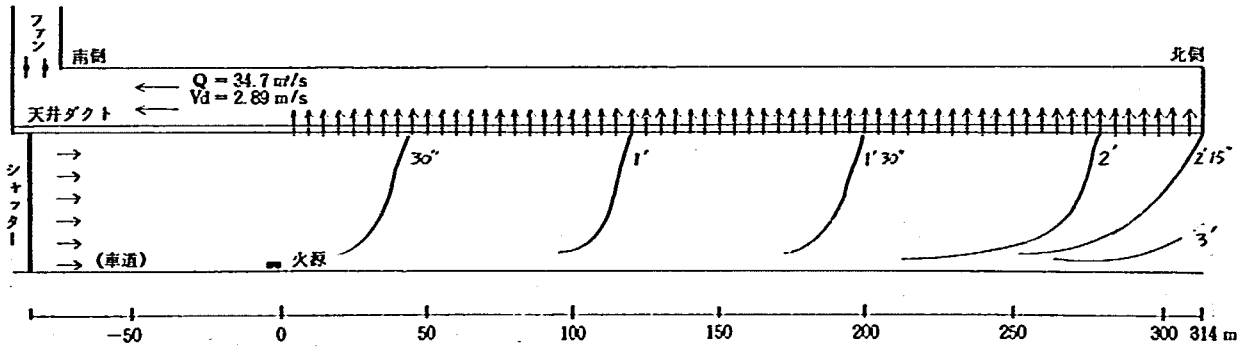
(61年，実験中の番号10)

換気方式　天井ダクト スロット(排気)	火皿面積　4㎡	スロット開度パターンⒶ	発煙筒着火　3分後
換気風量　34.7㎥/sec	トンネル内 車道内風速　2.45	天井ダクト スロット風速　開度調節 m/sec	天井ダンパー　全開

煙の監視記録

南側　　北側

記事	経過時間	火源	記事
南側への煙の拡散はない。			1. 煙の濃度は路面上高さが高い箇所が濃厚である。 2. 路面上高さ1.5m附近は煙の濃度はやゝ薄い。0.5m以下は更に薄い。 3. 北坑口での煙の反転はない。風向北々西，風速2.06～2.25m/sec。 4. 13分～15分で南北方向の視野が回復した。煙の最盛度の時視程は10～20mである。 5. Vt 2.45m/sec×2′15″＝330m，天井際の煙の先走りは車道風速平均値よりやゝ遅い（天井ダクトへ半横流した効果かどうか）。



アルコール火皿火災実験　　実大トンネル　No21　8A－25－排

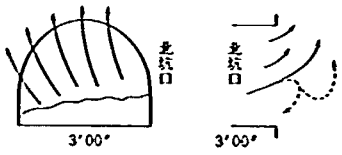
(61年，実験中の番号12)

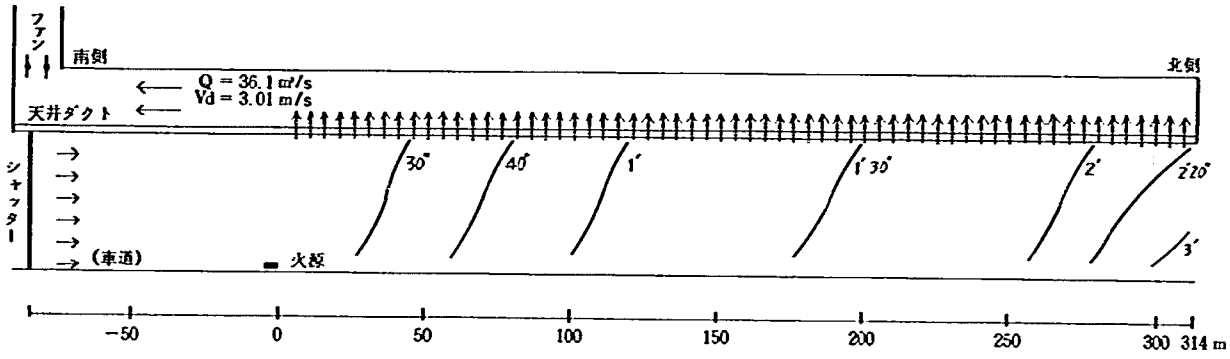
換気方式	天井ダクト スロット(排気)	火皿面積	8㎡	スロット開度パターン Ⓐ		発煙筒着火	3分後
換気風量	36.1㎥/sec	トンネル内 車道内風速	2.49	天井ダクト スロット風速	開度調節 m/sec	天井ダンパー	全開

煙の監視記録

南　側　　北　側

記事	経過時間	火源	記事
南への煙の拡散はない。			1. 煙の濃度は路面上高い箇所が大である。 2. 風向：北西，風速：2.52～2.30 m/sec。 3. 天井際の煙の先走り，車道2.5mH風速（2.49 m/sec × 2′20″ = 348 m）より遅い。（天井ダクト排気の影響）





アルコール火皿火災実験　　実大トンネル　No22　2A－0－S

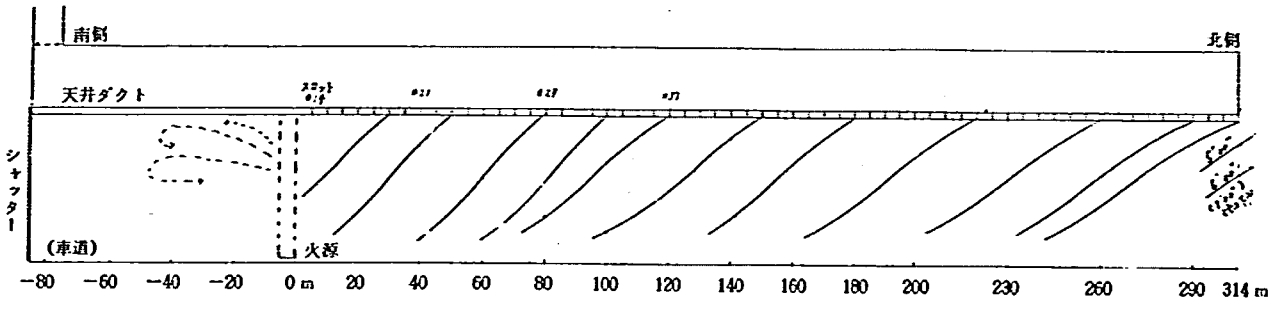
(61年，実験中の番号(A))

換気方式	天井ダクト スロット(排気)	火皿面積	2㎡	スロット開度パターン Ⓐ		発煙筒着火	3分後
換気風量	無 ㎥/sec	トンネル内 車道内風速	0.94	天井ダクト スロット風速	開度調節 m/sec	天井ダンパー	全開

煙の監視記録

南　側　　北　側

記事	経過時間	火源	記事
1. 観測員を配置しなかったが，写真No 1より判定して，煙の移動・拡散が認められる。 2. 路面上，2.5mH以上であると認められる。			1. 煙の濃度は路面上高い箇所が大である。路面上2.0mH以下は薄い煙である。 2. 北坑口では路面高さ3m以下は煙が特に薄い。 3. 風向に北東～南西に変る。風速0.16～0.85 m/sec。



アルコール火皿火災実験　実大トンネル　No23　8A－0－S

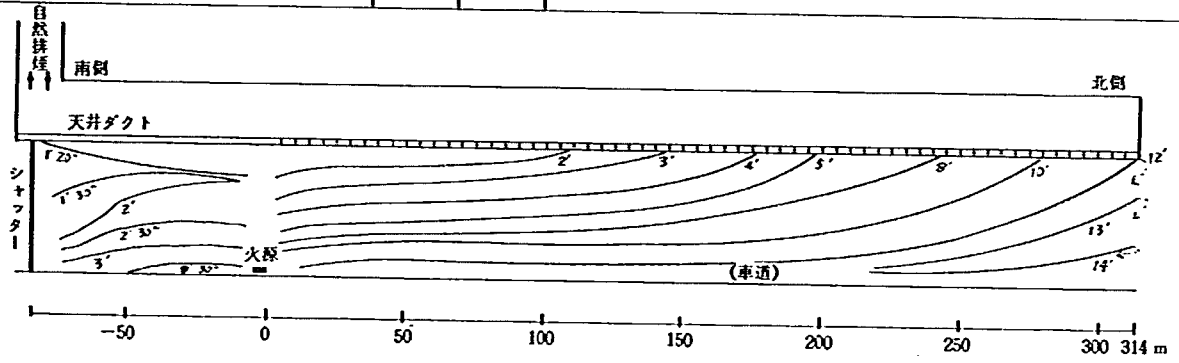
(61年，実験中の番号6)

換気方式　天井ダクト(自然排気)スロット	火皿面積　8㎡	スロット開度パターンⒶ	発煙開着火　3分後
換気風量　無㎥/sec	トンネル内車道内風速　0 m/sec	天井ダクト スロット風速　全開 m/sec	天井ダンパー　全開

煙の監視記録

南側　　北側

記事	経過時間	火源	記事
1. 煙の反転，北進はケース1に同じ。 2. 最初の南進する煙の量は全量の約50%強である。 3. 煙層の下端は0.6 m Hに達するが，4′30″後は煙の拡大は緩やかであった。 4. 9分で坑外に退避。 5. 8分30秒で北坑口が見えなくなった。(かすんでも)			1. 風向西～北に変る。風速0.1～0.35 m/s，北坑口での煙反転は僅かであった。 2. 13分および15分で北坑口へ退避。 3. 煙層下端部は自然対流入気によって反転煙が南進した。 4. 9分で＋250 m附近天井ダクトスロットから車道に煙が吹き下らされた。この煙は車道天井際を北進した煙よりも早期であった。9分以降図示の状況であった。 5. 南側観測員，＋20m 7分で北坑口の下部が見えた。＋17m，8分30秒で見えなくなった。



アルコール火皿火災実験　実大トンネル　No24　8A－0－送1

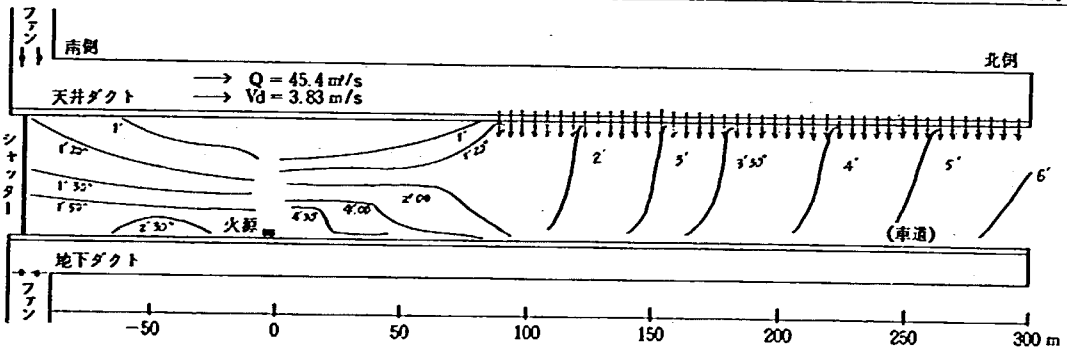
(60年，実験中の番号7)

換気方式　天井ダクト(送気)スロット	火皿面積　8㎡	スロット開度パターンⒷ	発煙開着火　同時
換気風量　45.4 ㎥/sec	トンネル内車道内風速　0 m/sec	天井ダクト スロット風速　開度調節 m/sec	天井ダンパー　全閉

煙の監視記録

南側　　北側

記事	時刻	火源	記事
1. 南側への煙の拡散状況 天井際はケース1にほゞ同じ。 路面高さ2 m H以下への到達は北側より早く，又ケース1よりも著常に早い。2分30秒で全域煙で充満する。	分 秒 0：00	火皿点火 第1次発煙	1. 天井スロット　#33以降開く，天井から送気吹下ろす。地下スロット全閉。 2. 火皿全面に亘り燃焼焔立上る。点火と同時に発煙。 3. ±0 m～＋80mの区間の天井際の煙の拡散は，ケース1にほゞ同じである。 4. 天井スロット(＋87.4 m)以北は，天井から送気が吹下ろされ，煙は乱流状に拡散される。
2. 煙の濃度は北側より著常に濃い。 3. 滞留した煙は，点火後12分以降において，北側へ除々に流れていった。	4：30 9：00	第2次発煙 第3次発煙	5. 火源～＋80mの区間，路面高2 m H以下のゾーンの煙の拡散は，トンネル内の自然対流(燃焼空気の補給)によって，下図の如き状況となる。(上部が煙)
4. 視程，2′00″で20m，4′00″で視界ゼロ。	14：00	消　煙	6. 煙の拡散速度　天井際　1.3 m/sec (at 80 m)～0.9 m/sec (at 200 m) 路面際　1.2 m/sec (at 100 m)～0.8 m/sec (at 200 m)
5. 退避は点火後6分。	20：00	自然消火	7. 視程，at40m，5分後ゼロ，at 100 m以北約30m。 8. 路面高さ0.5 m H以下は煙が薄い。 9. 退避，北側監視員6分後，±0～80m監視員6分後，火源人員9分後。



アルコール火皿火災実験　　実大トンネル　No25　8A－0－送Ⅱ

(60年，実験中の番号8)

換気方式　天井ダクト スロット(送気)	火皿面積　8㎡	スロット開度パターン©	発煙筒着火　同時
換気風量　44.2㎥/sec	トンネル内 車道内風速　0m/sec	天井スロット　開度調節 スロット風速　m/sec	天井ダンパー　全開

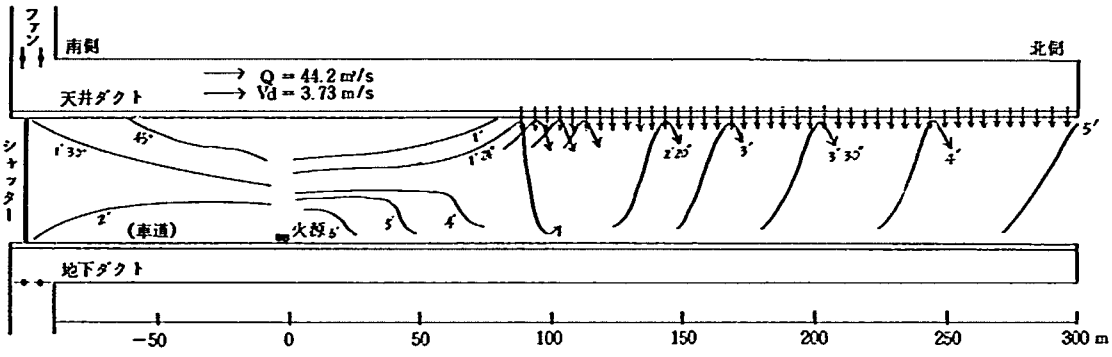
煙の監視記録

南側

記事	時刻 分 秒	火源 火皿点火
1. 南側への煙の拡散状況はケース7より僅かに遅い。 2. 煙の濃度は北側より非常に濃い。 3. 2分30秒で全域煙で充満する。 4. 滞留した煙は，点火後12分以降において，北側へ除々に流れる。 5. 視程，2'00"で20m，4'00"で視界ゼロ。 6. 退避は点火後6分。	0：00 4：30 9：00 14：00 20：00	第1次発煙 第2次発煙 第3次発煙 消煙 自然消火

北側

1. 天井スロット　#33以降開く，天井から送気吹下ろす。地下スロット全閉。
2. 火皿全面に亘り燃焼焔立上る。点火と同時に発煙。
3. ±0m～+80mの区間の天井際の煙拡散は，ケース7とほゞ同じ。
4. 天井スロット（+87.4m）以北は，天井送気が吹下らされ，煙は乱流状に拡散される。
5. 火源～+80m区間，路面高2mH以下のゾーンの煙の拡散は，自然対流風によって，下図の如く吹き戻される。その速度はケース7よりやゝ遅い。0.5mH以下は煙が薄い。
6. 煙の拡散速度　天井際 1.3m/sec (at 80m) ～0.92m/sec (at 220m)
路面側 1.2m/sec (at 100m) ～0.8m/sec (at 200m)
7. 視程，at 40m，6分後視界ゼロ，at 100m以北約30m。
8. 退避，北側監視員6分後，0～80m監視員6分後，火源人員9分後。



アルコール火皿火災実験　　実大トンネル　No26　8A－0－送Ⅱ

(60年，実験中の番号9)

換気方式　天井ダクト スロット(送気)	火皿面積　8㎡	スロット開度パターン①	発煙筒着火　同時
換気風量　43.3㎥/sec	トンネル内 車道内風速　0m/sec	天井ダクト　開度調節 スロット風速　m/sec	天井ダンパー　全開

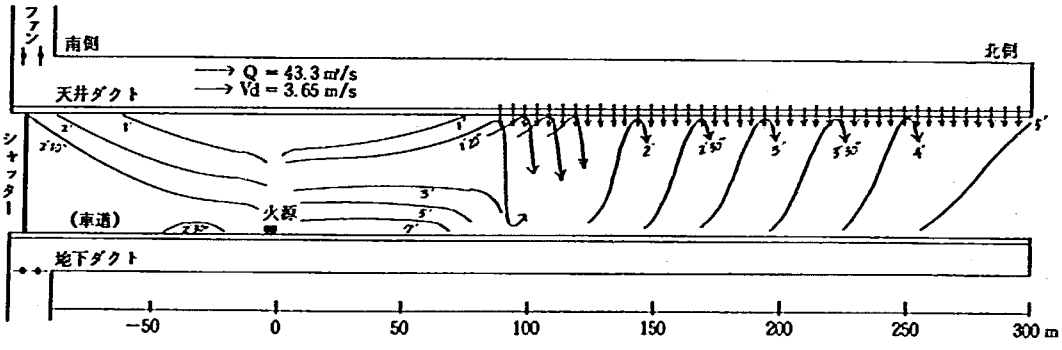
煙の監視記録

南側

記事	時刻 分 秒	火源 火皿点火
1. 南側への煙の拡散 天井際はケース8より僅かに遅い。 路面側はケース7，8とほゞ同じ。 2分30秒で全域が煙で充満される。 2. 煙は北側より濃い。 3. 滞留した煙は，点火後12分以降において，北側に除々に流れていった。 4. 視程，2'00"で20m，4'00"で視界ゼロ。 5. 退避は点火後6分。	0：00 4：30 9：00 14：00 20：00	第1次発煙 第2次発煙 第3次発煙 消煙 自然消火

北側

1. 天井スロット　#33以降開く，天井から送気吹下ろす。地下スロット全閉。
2. 火皿全面に亘り燃焼焔立上る。点火と同時に発煙。
3. ±0m～+80mの区間の天井際の煙拡散は，ケース7，8とほゞ同じ。
北坑口までの到達は，ケース7，8よりやゝ早い。
4. 天井スロット（+87.4m）以北は，天井送気が吹下ろされ，煙は乱流状に拡散される。
5. 火源～+80m区間，路面高2mH以下のゾーンの煙の拡散は，自然対流風によって，下図の如く吹戻される。その速度はケース8よりやゝ遅い。
6. 煙の拡散速度　天井際 1.3m/sec (at+80m) ～1.0m/sec (at+200m)
路面側 1.2m/sec (at+80m) ～0.8m/sec (at+200m)
7. 視程，at 40m，7分後視界ゼロ，at 100m以北約30m。
8. 退避，北側監視員5分後，0～80m監視員7分後，火源人員9分後。



アルコール火皿火災実験　　実大トンネル　No27　2A－0－送（路側）

（60年，実験中の番号12）

換気方式	地下ダクト(送気) スロット	火皿面積	2㎡	スロット開度パターン㊀		発煙時着火	同時
換気風量	47.2㎥/sec	トンネル内 車道内風速	0 m/sec	天井スロット スロット風速	全開 m/sec	天井ダンパー	

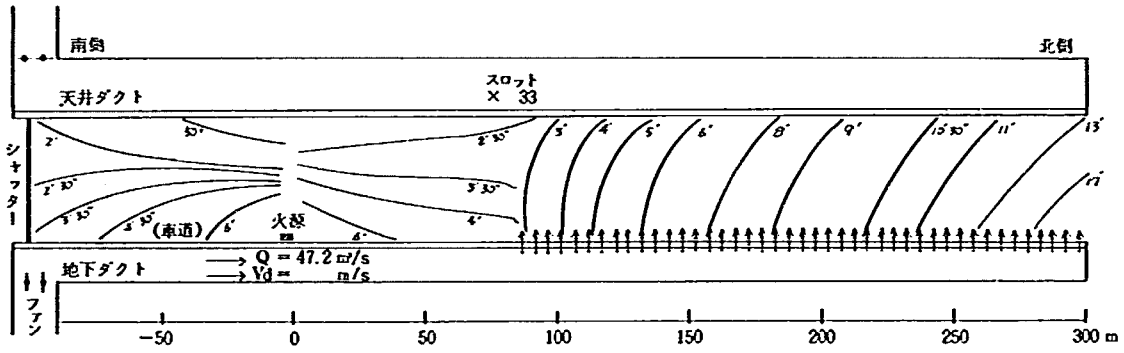
煙の監視記録

南側

記事	時刻	火源
	分 秒	火皿点火
1. 南側への煙の拡散状況はケース10のパターンに類似するが，その速度は相当に遅い。しかし，ケース1～3に比して，遠かに早く，路面側への到達も早い。	0：00	第1次発煙
2. 煙の濃度は北側より早い。	4：30	第2次発煙
3. 滞留した煙は12分以降は北側へ流れる。		
4. 視程	9：00	第3次発煙
	12：00	消煙
5. 退避，点火後8分。		
	20：00	自然消火

北側

記事
1. 地下スロット　#33以降開く，地下ダクトより送気吹上げ，天井スロット全閉。
2. 火皿全面に亘り燃焼焔立上る。点火と同時発煙。
3. ±0m～80m区間天井際の煙の拡散は，ケース10に準ずるが，到達はやゝ遅い。
4. スロット開く区間（86.5m）以北は，ケース10の図の如く，乱流状となり，上下方向に旋回し乍ら，北坑口へ拡散移動する。天井際が先行するが，移動速さは，ケース10より遠かに遅い。
5. 拡散速度　天井際 0.8 m/sec（at 80 m）～0.4 m/sec（at 200 m） 路面側 0.4 m/sec（at 80 m）～0.3 m/sec（at 200 m） ±0～80m区間路面側は図示の如く逆流している。
6. 視程　5′00″ 50m at 40m，8′00″ ゼロ，at 100 m以北40m位。
7. 退避，北側監視員20分後，0～80m監視員9分後，火源人員9分後。



アルコール火皿火災実験　　実大トンネル　No28　4A－0－送（路側）

（60年，実験中の番号11）

換気方式	地下ダクト(送気) スロット	火皿面積	4㎡	スロット開度パターン㊀		発煙時着火	同時
換気風量	79.0㎥/sec	トンネル内 車道内風速	0.20 m/sec	天井ダクト スロット風速	全閉 m/sec	天井ダンパー	

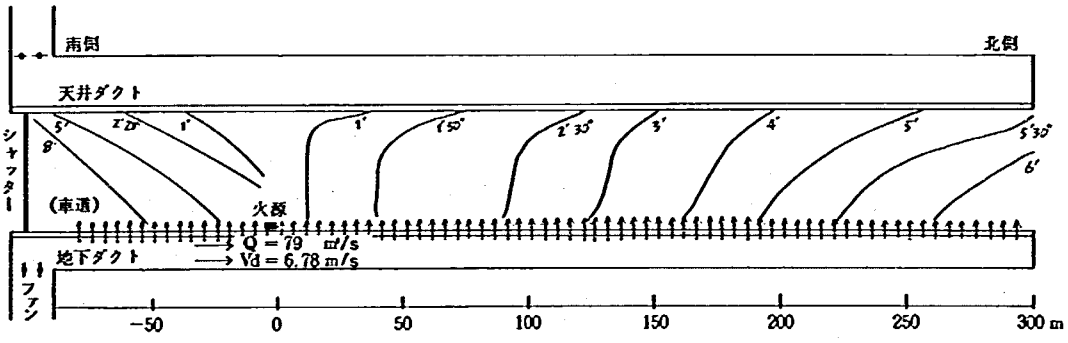
煙の監視記録

南側

記事	時刻	火源
	分 秒	火皿点火
1. 南側への煙の拡散は，他のケースと大巾な差異がある。	0：00	第1次発煙
2. 上下方向乱流旋回状は北側に準ずる。		
3. 煙の到達時間は他のケースより遠かに遅い。点火後10分で全区域煙で充満する。		
4. 視程	4：30	第2次発煙
5. 退避は点火後10分。		
	9：00	第3次発煙
	14：00	消煙
	20：00	自然消火

北側

記事
1. 地下スロット　#1～以降全部開く，地下ダクトより送気吹上げ，天井スロット全閉。
2. 火皿全面に亘り燃焼焔立上る。点火と同時に発煙。
3. ±0m～80m天井際の煙の拡散は他のケースと大巾な差異がある。
4. 地下ダクトからの吹上により，右図の如く上下乱流が激しく，旋回状で北進する。
5. 拡散速度　天井際 0.7 m/sec（at 80 m）～0.8 m/sec（at 200 m） 路面側 0.6 m/sec（at 80 m）～0.6 m/sec（at 200 m）
6. 視程，　2′00″ まで30m， at 80m，3′00″ 後ゼロ，at 100 m以北30m程度
7. 退避，北側監視員6分後，0～80m監視員5分後，火源人員9分後。



アルコール火皿火災実験　　実大トンネル　No29　8A－0－送（路側）

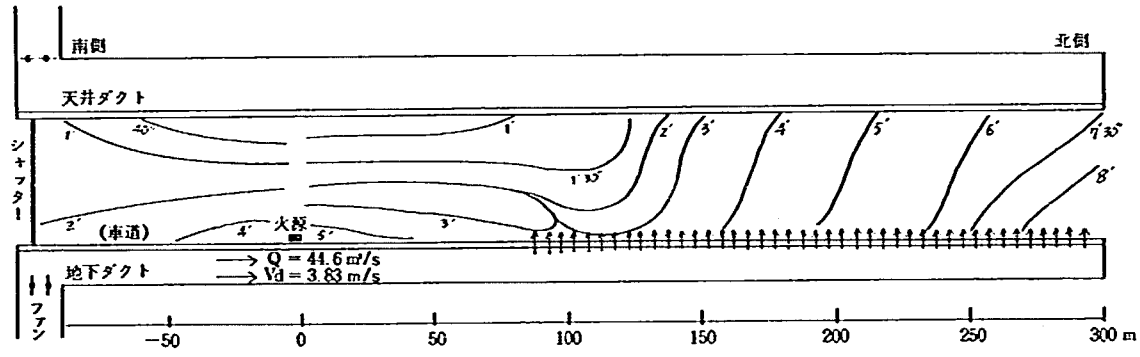
(60年，実験中の番号10)

換気方式　地下ダクト スロット(送気)	火皿面積　8㎡	スロット開度パターン㊀	発煙時着火　同時
換気風量　44.6㎥/sec	トンネル内 車道内風速　0 m/sec	天井スロット スロット風速　m/sec	天井ダクト

煙の監視記録

南側　　北側

記事	時刻	火源	記事
1. 南側への煙の拡散状況 天井際　ケース1，ケース7にほゞ同じ 路面際　路面高2mH以下への到達は，ケース1より遠かに早く，ケース7よりやゝ遅い。	分 秒 0：00	火皿点火 第1次発煙	1. 地下スロット　#33以降開く，地下ダクトより送気吹上げ，天井スロット全閉。 2. 火皿全面に亘り燃焼塔立上る。点火と同時発煙。
2. 煙の濃度は北側より濃い。	4：30	第2次発煙	3. ±0m～80m区間天井際の煙拡散はケース1，ケース7にほぼ同じ。
3. 滞留した煙は点火後12分以降において北側へ流れる。	9：00	第3次発煙	4. スロット開く区間（86.5m）以北は，右図の如く乱流状となる。上下方向に旋回しながら北坑口の方へ拡散移動する。天井際が先行している。
4. 視程 4′30″at－30mで火源は見える，0.5mH以下20m 6′00″at－30mで火源は見えない，0.5mH以下15m 7′30″全域視界ゼロ	14：00	消　煙	5. 拡散速度　天井際　1.3m/sec（at 80m）～0.7m/sec（at 200m） 路面側　0.6m/sec（at 200m）～0.6m/sec（at 280m） ±0m～80m区間路面側は図示の如く煙が逆流している。 6. 視程，at40m，5分で40m，6分でゼロ，at 100m以北40m位～20m位。
5. 退避は点火後8分	20：00	自然消火	7. 退避，北側監視員8分後，0～80m監視員6分後，火源監視員9分後。



アルコール火皿火災実験　　実大トンネル　　2－0－0

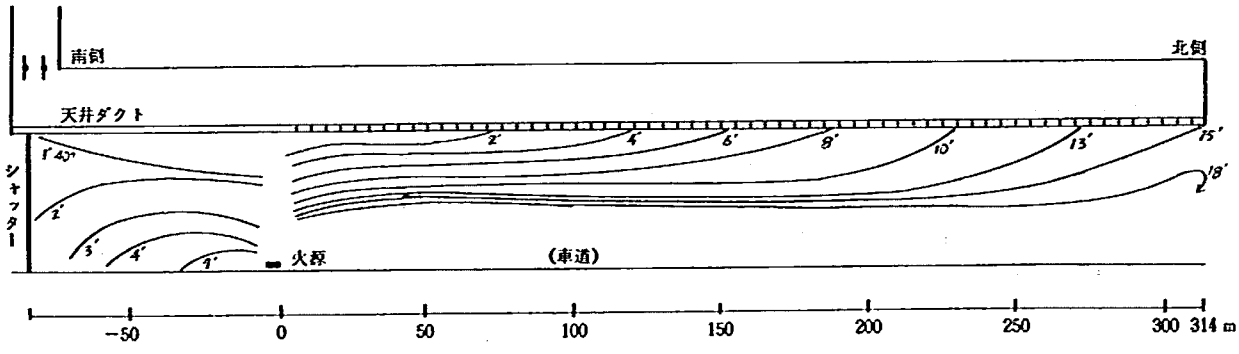
(61年，予備実験)

換気方式　天井ダクト スロット(自然換気)	火皿面積　2㎡	スロット開度パターン㊃	発煙時着火　3分後
換気風量　無 ㎥/sec	トンネル内 車道内風速　無風	天井ダクト スロット風速　全開 m/sec	天井ダンパー　全開

煙の監視記録

南側　　北側

記事	経過時間	火源	記事
1. 1′40″で天井際の煙は中央シャッタに達し，以後煙層は下方に広がる。 2. 一旦南進した煙は反転し，北進する。 3. 1.5mH以下の煙は薄い。			1. 風向：北西，風速1.5～2.15m/s，北坑口で煙が反転し，坑内に吹込まれる。 2. 煙層の下境界近は，北進する煙とその下方を南進する煙とが混合している。 3. 天井際を先走りする煙は，平均的に0.3m/sec程度である。 4. 路面上2.0mH以下には煙が拡散されない。



2. 燃焼中測定値（温度，煙濃度，風速値）

1）温度測定値

・数値は上昇温度値です。

2）煙濃度測定値

・数値は減光係数と透過率で示す。

※ 煙濃度測定値

減光係数（1／m）または透過率（%）

初期値（トンネル内の温度，煙濃度風速値）
点火後の時間　終了値（　〃　　〃　）

図ーの測点番号
Too ……上昇温度値
Soo, Coo ……煙濃度値

TITLE = CASE 1　　DATE 86/10/20　　TIME 8:49:48

CH. INDEX		151 T- 94	152 T- 95	153 T-101	154 T-102	155 T-103	156 T-104	157 T-111	158 T-112	159 T-113	160 T-114
INITIAL		14.100	14.200	14.900	14.100	13.800	14.000	14.700	14.100	13.500	13.300
FINAL		15.700	15.800	16.900	15.900	15.600	15.800	16.600	16.200	15.800	15.600
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 3	0.0	0.100	-0.100	-0.100	0.100	0.0	0.200	0.100	0.100	0.0
3	0: 6	0.100	0.200	-0.100	-0.100	0.0	0.100	0.200	0.100	0.100	0.0
4	0: 9	0.100	0.200	0.0	0.0	0.100	0.100	0.300	0.100	0.100	0.0
5	0: 0	0.200	0.200	0.0	0.0	0.100	0.100	0.100	0.200	0.200	0.200
6	0:30	0.200	0.300	0.0	0.100	0.100	0.200	0.100	0.200	0.200	0.200
7	1: 0	0.200	0.300	0.0	0.100	0.200	0.200	0.300	0.200	0.200	0.100
8	1:30	0.200	0.300	-0.100	0.100	0.200	0.200	0.400	0.200	0.200	0.100
9	2: 0	0.300	0.400	0.100	0.100	0.200	0.200	0.100	0.200	0.200	0.100
10	2:30	0.300	0.400	0.200	0.200	0.300	0.300	0.0	0.200	0.200	0.100

No	Case	実装	火路面積 (㎡)	車道内風速 (m/S)	換気運用	換気風量 (㎥/sec/m)	スロット	
1	2B-0-0	B	2	0	なし	-	天井閉 路側閉	
2	4B-0-0		4					
3	8B-0-01		8					
4	8A-0-01	A						
5	2A-1-0	B	2	1			天井閉 路側閉	
6	4A-1-0		4					
7	8A-1-0		8					
8	2A-2-0		2	2				
9	4A-2-0		4					
10	8A-2-0		8					
11	2A-0-排	A	2	0	排気運用 (天井スロット)	0.12		
12	4A-0-排		4					
13	8A-0-排		8					
14	2A-1-排		2	1				
15	4A-1-排		4					
16	8A-1-排		8					
17	2A-2-排	B	2	2				
18	4A-2-排		4					
19	8A-2-排		8					
20	4A-25-排		4	25				
21	8A-25-排		8					
22	2A-0-S	A	2	0	なし	-	天井閉 路側閉	
23	8A-0-S		8					
24	8A-0-逆 I	A			送風運用 (天井スロット)		スロット吹出速度	Vs=5m/s
25	8A-0-逆 II							Vs=10m/s
26	8A-0-逆 III							Vs=20m/s
27	2A-0-逆路側		2		送気運用 (路側スロット)			
28	4A-0-逆路側		4					
29	8A-0-逆路側		8					

実験No. 1　TITLE : CASE 1　(B)　DATE 86/10/20　TIME [illegible]

CH. INDEX		101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		15.900	16.100	15.800	15.600	15.600	15.500	15.500	15.600	15.500	16.100
FINAL		17.600	18.100	16.100	15.500	15.200	15.300	15.200	15.100	15.200	18.800
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.200	0.0	0.0	0.0	0.0	0.0	0.100	0.0	-0.200
3	01 1	0.0	0.100	0.0	0.0	0.100	0.0	0.0	0.100	0.0	-0.100
4	01 0	0.100	0.400	0.100	0.200	0.100	0.100	0.100	0.200	0.0	-0.200
5	01 0	0.100	0.300	0.100	0.200	0.200	0.200	0.200	0.200	0.100	0.0
6	0130	23.500	1.300	0.300	0.100	0.200	0.200	0.100	0.200	0.100	0.0
7	11 0	45.800	21.000	8.100	1.400	0.300	0.200	0.200	0.200	0.200	5.500
8	1130	58.900	29.000	11.400	1.400	0.400	0.300	0.250	0.100	0.200	17.900
9	21 0	67.900	34.000	15.400	1.600	0.600	0.400	0.300	0.100	0.100	22.900
10	2130	74.700	35.700	19.300	1.800	0.800	0.400	0.400	0.400	0.400	25.900
11	31 0	81.000	38.600	22.400	1.900	0.900	0.700	0.500	0.500	0.400	27.700
12	3130	88.500	40.100	25.100	2.200	0.900	0.800	0.600	0.603	0.400	29.400
13	41 0	90.900	42.200	27.100	2.500	1.100	0.900	0.600	0.600	0.500	30.900
14	4130	94.800	44.300	28.700	3.300	1.100	0.900	0.700	0.700	0.500	32.900
15	51 0	96.400	46.000	28.800	4.100	1.300	1.100	0.700	0.800	0.600	33.700
16	5130	99.500	47.300	32.700	6.200	1.400	1.100	0.800	0.800	0.600	35.800
17	61 0	97.900	48.300	35.200	7.600	1.700	1.200	0.900	0.800	0.700	36.600
18	6130	96.600	49.930	36.700	9.300	2.000	1.300	0.900	0.900	0.700	37.900
19	71 0	93.500	50.400	37.700	13.300	1.600	1.400	1.100	1.000	0.700	39.100
20	7130	92.500	51.900	38.300	13.600	4.500	1.700	1.200	1.000	0.800	39.700
21	81 0	96.300	52.900	39.300	13.700	5.600	2.000	1.200	1.000	0.700	40.500
22	8130	97.830	53.900	40.100	15.300	5.900	2.200	1.300	1.100	0.800	41.000
23	91 0	97.600	53.500	41.700	18.600	6.700	2.600	1.400	1.200	0.800	42.700
24	9130	98.000	54.800	41.210	18.000	6.500	2.700	1.400	1.100	0.800	42.200
25	101 0	95.900	55.403	42.100	19.600	6.400	2.900	1.400	1.100	0.900	43.200
26	10130	96.200	55.800	43.900	20.600	7.300	3.400	1.400	1.200	0.900	43.400
27	111 0	97.200	55.800	43.800	21.400	7.620	3.500	1.400	1.200	0.800	43.900
28	11130	101.400	57.500	44.900	22.100	8.000	3.920	1.400	1.200	3.900	44.400
29	121 0	99.800	57.800	44.800	21.700	8.935	4.200	1.400	1.200	1.000	45.300
30	12130	99.300	58.200	46.400	24.400	8.700	4.400	1.500	1.200	0.900	45.100
31	131 0	98.800	59.000	45.900	24.700	8.760	5.400	1.600	1.200	0.900	45.700
32	13130	98.600	58.100	47.100	26.400	9.080	5.200	1.600	1.200	0.900	46.300
33	141 0	101.300	60.100	48.500	26.700	9.800	5.700	1.600	1.200	0.900	47.000
34	14130	101.400	59.600	47.300	25.900	9.800	5.800	1.600	1.200	0.900	47.300
35	151 0	105.700	61.000	49.000	26.400	9.200	6.100	1.700	1.300	0.900	47.500
36	15130	110.000	61.700	48.200	29.100	9.700	6.600	1.800	1.300	0.900	47.600
37	161 0	104.400	60.700	49.400	26.930	9.700	6.600	2.100	1.400	1.000	48.300
38	16130	102.900	59.000	49.000	29.800	10.100	6.900	2.200	1.500	1.000	47.400
39	171 0	103.000	58.000	45.600	29.600	16.600	7.200	2.400	1.500	1.100	46.300
40	17130	102.000	57.300	45.800	29.107	10.400	7.200	2.200	1.500	1.100	45.090
41	181 0	97.500	55.900	46.700	26.600	9.700	7.030	2.200	1.400	1.000	44.900
42	18130	95.200	52.900	41.700	26.500	10.000	7.100	2.300	1.500	1.000	42.400
43	191 0	87.000	48.200	39.600	26.100	9.700	7.100	2.600	1.600	1.000	40.900
44	19130	77.700	45.900	38.800	23.277	9.600	7.000	2.900	1.600	1.000	37.900
45	40134	1.700	2.000	0.300	-0.100	-0.200	-0.200	-0.300	-0.300	-0.300	2.700

TITLE : CASE 1　DATE 86/10/20　TIME [illegible]

CH. INDEX		111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		15.700	15.500	15.200	15.200	15.100	15.300	15.600	15.800	15.200	16.900
FINAL		16.800	15.700	15.600	15.600	15.600	15.300	15.300	18.103	16.200	15.600
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.103	0.100	0.300	0.100	0.100	0.0	0.0	0.100	0.100	0.100
3	01 1	0.103	0.200	0.200	0.100	0.200	0.0	0.100	0.100	0.100	0.100
4	01 0	0.103	0.300	0.300	0.100	0.200	0.100	0.100	0.200	0.200	0.100
5	01 0	0.200	0.300	0.300	0.100	0.200	0.100	0.200	0.200	0.200	0.200
6	0130	0.200	0.300	0.100	0.100	0.200	0.200	0.200	0.200	0.300	0.200
7	11 0	2.400	0.400	0.400	0.200	0.200	0.200	0.200	0.200	0.300	0.300
8	1130	5.400	2.100	0.400	0.100	0.400	0.400	0.300	1.700	1.000	0.300
9	21 0	10.700	2.900	0.700	0.400	0.500	0.300	0.300	7.200	2.390	0.400
10	2130	14.350	3.130	0.900	0.900	0.500	0.400	0.400	11.100	4.400	1.300
11	31 0	18.400	3.130	1.000	0.500	0.600	0.600	0.400	14.200	6.400	1.900
12	3130	19.500	3.500	1.000	0.600	0.603	0.600	0.500	14.700	8.400	2.500
13	41 0	21.100	4.403	1.100	0.700	0.700	0.900	0.500	18.500	10.100	2.900
14	4130	22.200	5.800	1.103	0.700	0.803	0.800	0.600	20.000	11.400	3.700
15	51 0	24.100	7.100	1.420	0.800	0.800	0.800	3.700	21.500	13.000	4.400
16	5130	21.900	9.200	1.403	0.900	2.400	0.700	0.700	22.500	14.400	5.100
17	61 0	23.200	10.900	1.900	0.900	1.600	0.700	0.800	23.700	15.800	5.900
18	6130	24.500	12.400	2.400	1.000	1.600	0.600	0.800	24.900	17.500	6.900
19	71 0	30.103	14.200	2.700	1.130	1.100	0.900	0.900	26.100	18.800	7.800
20	7130	31.400	16.700	3.100	1.107	1.100	0.900	0.900	27.400	20.100	8.400
21	81 0	11.803	18.900	4.000	1.200	1.200	0.900	0.900	28.400	21.700	9.700
22	8130	12.900	17.700	5.200	1.300	1.200	1.000	1.000	29.400	22.900	11.000
23	91 0	16.700	18.300	7.200	1.300	1.300	1.000	1.000	30.000	23.700	12.200
24	9130	16.100	19.503	7.630	1.400	1.400	1.000	1.000	30.400	24.400	13.100
25	101 0	16.700	19.403	8.300	1.700	1.400	1.100	1.100	30.400	25.300	14.000
26	10130	16.030	20.300	8.300	1.800	1.400	1.100	1.100	31.400	26.300	15.000
27	111 0	15.930	21.800	8.400	2.000	1.500	1.200	1.200	32.000	27.000	15.800
28	11130	16.700	22.800	9.200	2.300	1.603	1.200	1.200	32.300	27.400	16.800
29	121 0	17.750	22.600	9.430	2.500	1.600	1.200	1.200	32.400	28.100	17.500
30	12130	17.900	22.700	10.200	2.400	1.700	1.200	1.200	33.100	28.200	18.000
31	131 0	18.200	22.100	10.400	2.800	1.700	1.200	1.200	33.400	29.200	18.700
32	13130	19.300	23.400	10.403	3.290	1.730	1.200	1.200	33.700	29.400	19.200
33	141 0	30.900	24.300	10.500	3.300	1.700	1.200	1.200	34.500	30.000	19.800
34	14130	36.700	24.100	10.730	4.100	1.800	1.200	1.200	34.400	30.400	20.500
35	151 0	40.400	25.500	10.300	4.430	1.800	1.200	1.200	34.900	30.800	20.900
36	15130	40.803	25.200	12.000	4.700	2.000	1.200	1.200	35.200	31.300	21.700
37	161 0	41.100	23.300	11.400	4.600	2.200	1.100	1.100	35.500	31.400	21.500
38	16130	40.400	22.400	11.909	4.500	2.400	1.100	1.100	35.200	31.700	21.400
39	171 0	40.900	23.500	12.400	4.400	2.400	1.150	1.400	35.200	31.600	21.400
40	17130	34.300	22.900	12.330	4.400	2.400	1.400	1.400	34.800	31.700	21.700
41	181 0	30.800	22.800	12.000	4.530	2.503	1.400	1.400	36.100	31.200	21.400
42	18130	47.900	22.200	11.900	4.731	2.400	1.300	1.400	33.400	30.400	21.300
43	191 0	45.400	22.100	11.703	4.400	2.403	1.400	1.400	32.400	30.100	21.200
44	19130	44.730	21.700	11.403	5.000	2.400	1.400	1.400	31.500	29.200	20.900
45	40134	0.930	0.400	0.200	0.730	0.300	0.0	-0.100	2.300	1.000	0.700

TITLE : CASE 1　DATE 86/10/20　TIME [illegible]

CH. INDEX		121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 38	126 T= 41	127 T= 42	128 T= 43	129 T= 44	130 T= 51
INITIAL		15.800	15.000	14.700	14.700	14.800	15.900	15.000	15.000	14.800	15.500
FINAL		15.400	15.400	15.100	15.203	15.200	18.830	15.700	15.400	15.300	17.800
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	1.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.0
3	01 1	0.130	0.100	0.100	0.100	0.103	0.200	0.100	0.100	0.100	0.100
4	01 0	0.100	0.100	0.200	0.200	0.200	0.100	0.100	0.200	0.100	0.0
5	01 0	0.100	0.200	0.220	0.200	0.400	0.200	0.100	0.200	0.200	0.0
6	0130	0.200	0.220	0.200	0.300	0.103	0.100	0.100	0.200	0.200	0.0
7	11 0	0.230	0.300	0.300	0.303	0.400	0.100	0.100	0.250	0.300	0.100
8	1130	0.200	0.300	0.300	0.400	0.400	0.300	0.300	0.100	0.300	0.100
9	21 0	0.360	0.400	0.400	0.400	0.400	2.400	0.700	0.300	0.400	0.100
10	2130	0.503	0.400	0.500	0.500	0.500	4.600	1.600	0.430	0.400	0.100
11	31 0	0.400	0.500	0.500	0.400	0.400	11.000	2.500	0.400	0.400	5.000
12	3130	0.700	0.500	0.400	0.400	0.400	13.400	5.400	0.400	0.500	5.400
13	41 0	0.800	0.600	0.600	0.400	0.700	15.400	5.400	0.500	0.500	7.400
14	4130	0.900	0.700	0.702	0.603	0.700	16.500	6.000	0.500	0.600	8.500
15	51 0	1.100	0.700	0.700	0.750	0.403	17.400	6.000	0.600	0.600	9.700
16	5130	1.100	0.800	0.800	0.700	0.800	18.200	7.000	0.600	0.600	10.500
17	61 0	1.230	0.400	0.800	0.400	0.800	19.400	8.000	0.700	0.700	11.400
18	6130	1.403	0.900	0.800	0.803	0.830	20.500	9.030	0.800	0.700	12.900
19	71 0	1.503	1.000	0.800	0.900	0.935	21.400	10.400	0.800	0.800	13.300
20	7130	1.700	1.000	1.002	0.903	0.900	22.800	11.000	0.800	0.800	14.200
21	81 0	1.900	1.100	1.207	0.800	0.963	23.400	12.700	0.800	0.800	15.300
22	8130	2.103	1.200	1.100	1.000	1.000	24.100	13.900	0.800	0.900	16.200
23	91 0	2.303	1.200	1.100	1.100	1.030	24.400	14.200	0.900	0.800	16.900
24	9130	2.700	1.300	1.200	1.130	1.400	25.300	14.700	0.900	0.800	17.500
25	101 0	3.800	1.300	1.250	1.100	1.200	25.800	16.100	1.000	0.800	17.900
26	10130	4.200	1.400	1.200	1.200	1.330	26.100	16.600	1.000	0.900	18.400
27	111 0	4.700	1.400	1.300	1.200	1.403	26.500	17.700	1.000	0.900	19.000
28	11130	5.400	1.900	1.300	1.200	1.400	26.900	17.700	1.100	0.900	19.400
29	121 0	5.900	2.100	1.300	1.230	1.430	27.500	18.200	1.100	0.800	19.700
30	12130	6.430	2.200	1.430	1.202	1.400	27.900	19.200	1.100	0.800	20.100
31	131 0	6.963	2.500	1.400	1.200	1.400	28.100	19.300	1.200	3.800	20.500
32	13130	7.403	2.703	1.400	1.203	0.903	28.100	19.800	1.300	0.800	20.800
33	141 0	7.900	2.800	1.400	1.200	3.900	28.400	19.500	1.400	0.800	21.100
34	14130	8.200	3.100	1.500	1.200	1.030	28.060	19.800	1.500	0.800	21.300
35	151 0	3.609	3.200	1.503	1.400	1.000	28.200	20.000	1.500	0.800	21.800
36	15130	8.800	3.300	1.500	1.400	1.403	28.400	19.760	1.600	0.800	21.800
37	161 0	8.900	3.300	1.503	1.430	1.030	28.500	19.400	1.500	0.800	21.900
38	16130	9.500	3.500	1.500	1.363	1.400	28.100	20.000	1.400	0.900	22.200
39	171 0	9.500	3.800	1.400	1.400	1.100	28.500	20.300	1.400	0.900	22.400
40	17130	9.403	4.000	1.700	1.433	1.100	28.100	19.800	1.400	0.900	22.400
41	181 0	10.000	4.100	1.700	1.400	1.150	28.800	19.400	1.800	0.900	22.400
42	18130	10.100	4.200	1.700	1.403	1.100	27.400	19.300	2.100	0.900	22.000
43	191 0	10.200	4.400	1.600	1.430	1.100	27.000	18.200	2.100	0.900	21.400
44	19130	10.200	4.500	1.600	1.400	1.100	25.900	18.300	2.200	0.900	21.200
45	40134	7.500	0.400	0.400	0.300	0.403	3.300	0.700	0.600	0.900	2.300

TITLE : CASE 1　DATE 86/10/20　TIME [illegible]

CH. INDEX		131 T= 52	132 T= 53	133 T= 54	134 T= 55	135 T= 61	136 T= 62	137 T= 63	138 T= 64	139 T= 71	140 T= 72
INITIAL		15.230	14.800	14.700	14.400	15.000	14.800	14.800	14.500	15.300	14.400
FINAL		16.200	15.800	15.500	15.503	17.673	15.830	17.600	15.500	17.700	16.100
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.100	0.150	0.0	0.100	0.0	0.100	0.100	0.0	0.100
3	01 1	0.0	0.100	0.150	0.0	0.100	0.100	0.100	0.100	-0.100	0.200
4	01 0	0.0	0.200	0.150	0.100	0.200	0.100	0.100	0.200	-0.200	0.200
5	01 0	0.100	0.300	0.203	0.200	0.400	0.100	0.100	0.200	-0.100	0.200
6	0130	0.100	0.200	0.201	0.200	0.300	0.200	0.100	0.300	0.0	0.200
7	11 0	0.100	0.300	0.203	0.400	0.400	0.200	0.200	0.300	0.0	0.300
8	1130	0.130	0.300	0.300	0.300	0.400	0.200	0.200	0.300	0.100	0.300
9	21 0	0.130	0.300	0.300	0.400	0.400	0.300	0.300	0.400	0.100	0.300
10	2130	0.240	0.400	0.400	0.400	0.400	0.300	0.300	0.500	0.100	0.400
11	31 0	1.390	0.400	0.400	0.400	0.400	0.300	0.300	0.400	0.200	0.400
12	3130	2.430	0.500	0.400	0.400	1.100	1.200	0.530	0.500	0.300	0.500
13	41 0	4.403	0.800	0.400	0.400	0.400	1.300	2.400	0.500	0.200	0.500
14	4130	4.500	0.800	0.500	0.400	7.300	1.400	0.400	0.500	3.000	2.100
15	51 0	5.430	1.000	0.603	0.403	7.700	2.100	0.530	0.600	4.600	2.500
16	5130	6.300	1.200	0.400	0.400	0.400	3.100	0.500	0.700	5.100	3.400
17	61 0	7.103	1.300	0.700	0.600	0.200	4.400	3.500	0.700	5.003	5.400
18	6130	8.400	1.900	0.700	0.400	0.700	4.400	0.700	0.700	6.900	4.700
19	71 0	8.400	2.100	0.700	0.400	10.400	4.700	0.700	0.700	6.900	5.400
20	7130	9.700	1.900	0.800	0.400	11.400	4.600	0.800	0.700	7.500	5.900
21	81 0	19.403	2.400	0.800	0.800	12.100	4.930	0.600	0.600	8.400	6.500
22	8130	11.730	3.500	0.800	0.800	13.300	7.500	0.600	0.700	9.000	7.400
23	91 0	12.430	4.400	0.800	0.800	14.000	8.200	0.600	0.800	9.400	7.400
24	9130	13.303	4.400	0.800	0.800	14.400	8.700	0.700	0.800	10.400	8.500
25	101 0	14.900	5.200	0.900	0.500	14.700	9.100	0.700	0.800	10.700	9.100
26	10130	14.400	6.200	0.900	2.500	15.100	9.700	0.700	0.800	11.100	9.800
27	111 0	15.100	6.800	0.900	0.800	15.400	10.100	0.700	0.800	11.700	10.500
28	11130	15.400	7.700	0.900	0.500	15.900	13.500	0.700	0.900	12.100	10.400
29	121 0	16.100	8.500	0.900	0.900	16.100	14.000	0.700	0.500	12.500	11.700
30	12130	16.700	9.200	0.900	0.900	16.300	11.200	3.800	0.900	12.500	11.800
31	131 0	16.400	9.900	0.935	0.500	16.800	11.700	0.900	0.500	12.800	12.300
32	13130	17.403	10.000	0.900	0.900	16.900	11.900	0.800	0.600	13.000	12.500
33	141 0	17.900	10.500	0.900	0.500	17.500	12.300	0.900	0.900	13.500	12.700
34	14130	18.200	10.800	1.000	0.500	17.700	12.700	1.000	0.800	13.700	13.200
35	151 0	18.800	11.800	1.000	0.800	15.800	12.900	1.000	0.800	13.800	13.600
36	15130	19.603	11.800	1.000	0.500	18.203	13.000	1.200	0.800	14.200	13.500
37	161 0	19.400	11.200	1.000	0.800	18.100	13.100	1.200	0.830	14.500	14.000
38	16130	19.500	11.100	1.000	0.500	18.800	13.300	1.200	0.600	14.200	14.000
39	171 0	18.800	11.700	1.000	0.500	18.600	13.500	1.300	0.500	14.600	13.800
40	17130	18.930	11.800	1.100	0.800	18.770	13.400	1.400	0.800	14.600	14.100
41	181 0	18.900	12.500	1.100	0.850	18.300	13.800	1.300	0.800	14.600	14.100
42	18130	19.803	12.203	1.100	0.400	18.903	13.603	1.300	0.800	14.600	14.100
43	191 0	19.700	12.200	1.100	0.400	17.400	13.400	1.300	0.700	14.500	14.200
44	19130	19.400	12.100	1.100	0.400	17.303	13.500	1.300	0.700	14.300	14.300
45	40134	1.800	0.900	0.400	0.700	2.800	0.800	0.500	1.600	7.400	1.300

TITLE = CASE 1 DATE 86/10/20 TIME 014918

CH. INDEX		141 T= 73	142 T= 76	143 T= 79	144 T= 81	145 T= 82	146 T= 83	147 T= 86	148 T= 91	149 T= 92	150 T= 93
INITIAL		16.400	16.400	16.400	16.900	16.900	16.300	16.400	16.900	16.400	16.000
FINAL		15.630	15.400	15.500	17.800	15.400	15.400	15.700	17.100	16.100	15.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 5	0.300	0.100	0.100	0.0	0.100	0.0	0.100	0.100	0.100	0.100
3	0110	0.300	0.100	0.190	0.200	0.100	0.100	0.100	0.0	0.100	0.100
4	0115	0.200	0.100	0.193	0.200	0.109	0.200	0.200	0.100	0.100	0.200
5	0120	0.400	0.200	0.190	0.200	0.200	0.200	0.200	0.240	0.200	0.200
6	0130	0.290	0.200	0.260	0.200	0.200	0.300	0.300	0.200	0.100	0.200
7	11 0	0.400	0.200	0.200	0.200	0.200	0.200	0.300	0.200	0.200	0.200
8	1130	0.400	0.190	0.300	0.160	0.200	0.300	0.300	0.100	0.200	0.100
9	21 0	0.303	0.300	0.400	0.960	0.300	0.400	0.400	0.100	0.200	0.100
10	2130	0.400	0.400	0.400	0.100	0.400	0.400	0.400	0.100	0.200	0.300
11	31 0	0.500	0.400	0.400	0.400	0.300	0.400	0.400	0.200	0.200	0.300
12	3130	0.500	0.400	0.400	0.300	0.300	0.400	0.400	0.100	0.300	0.300
13	41 0	0.403	0.500	0.500	0.300	0.400	0.400	0.500	0.300	0.400	0.400
14	4130	0.702	0.500	0.500	0.100	0.400	0.500	0.500	0.300	0.400	0.400
15	51 0	0.400	0.500	0.400	1.400	0.403	0.500	0.500	0.500	0.400	0.400
16	5130	0.400	0.500	0.500	3.300	0.703	0.400	0.500	0.400	0.400	0.400
17	61 0	0.410	0.500	0.560	3.400	0.430	0.460	0.500	0.400	0.490	0.400
18	6130	0.903	0.500	0.500	4.590	1.100	0.500	0.500	1.400	1.400	0.400
19	71 0	1.190	0.500	0.500	5.103	1.490	0.500	0.400	2.700	1.700	0.400
20	7130	1.409	0.509	0.500	5.500	2.500	0.500	0.500	2.700	2.400	0.500
21	81 0	1.500	3.900	0.500	5.900	3.100	0.400	0.400	3.700	3.100	0.400
22	8130	2.000	0.500	0.500	6.400	3.030	0.700	0.500	3.700	3.800	0.400
23	91 0	2.400	0.500	0.400	7.100	4.300	0.400	0.500	4.100	4.100	1.000
24	9130	3.300	0.500	0.400	7.700	4.000	0.700	3.500	4.500	4.400	1.400
25	101 0	3.200	0.500	0.400	8.300	4.290	0.700	0.500	5.000	5.000	2.000
26	10130	3.700	0.500	0.400	8.830	5.700	0.800	0.500	5.400	5.500	2.400
27	111 0	4.200	0.500	0.400	8.700	6.100	0.900	0.400	5.700	6.100	2.800
28	11130	4.400	0.500	0.400	7.200	6.560	0.900	0.500	6.000	6.400	3.100
29	121 0	5.000	0.500	0.400	8.800	6.903	1.000	0.500	6.400	6.800	3.400
30	12130	5.400	0.500	0.400	9.900	7.200	1.100	0.500	6.700	7.200	3.800
31	131 0	6.000	0.500	0.500	10.000	7.500	1.300	0.500	7.400	7.400	4.100
32	13130	6.100	0.500	0.403	10.200	7.700	1.300	0.400	7.200	7.800	4.400
33	141 0	6.400	0.500	0.500	10.800	8.100	1.400	0.500	7.400	8.300	4.800
34	14130	7.000	2.400	0.500	10.900	8.400	1.400	0.500	7.700	8.700	5.100
35	151 0	7.400	0.400	0.500	11.100	8.700	1.700	0.500	7.900	8.900	5.400
36	15130	7.800	0.400	0.500	11.400	9.000	1.700	0.500	8.200	9.200	6.000
37	161 0	8.200	0.500	0.400	11.400	9.200	2.530	0.400	8.500	9.500	6.300
38	16130	9.000	0.400	0.400	11.400	9.300	2.200	0.400	8.400	9.700	6.400
39	171 0	9.000	0.400	0.500	11.400	9.400	2.500	0.400	8.800	9.700	6.600
40	17130	8.900	2.400	0.500	11.500	9.400	2.550	0.400	8.900	9.900	6.700
41	181 0	9.100	0.400	8.400	11.700	9.400	2.100	0.400	8.809	9.700	6.800
42	18130	9.400	0.400	8.500	11.400	9.400	2.400	0.400	9.069	10.000	6.800
43	191 0	8.500	0.400	0.500	11.500	9.700	2.500	0.400	9.109	9.900	6.800
44	19130	9.130	0.800	0.500	12.800	10.200	3.030	0.700	9.100	10.100	7.000
45	20150	1.009	1.400	1.100	2.100	1.300	1.300	1.300	2.200	1.700	1.400

TITLE = CASE 1 DATE 86/10/20 TIME 014918

CH. INDEX		151 T= 96	152 T= 99	153 T=101	154 T=102	155 T=103	156 T=106	157 T=111	158 T=112	159 T=113	160 T=116
INITIAL		16.100	16.200	16.900	16.100	13.800	16.000	16.700	16.100	13.900	15.300
FINAL		15.700	15.400	16.009	15.900	15.600	15.000	16.400	16.200	15.800	15.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 5	0.0	0.100	-0.100	-0.100	0.100	0.0	0.200	0.100	0.100	0.0
3	0110	0.100	0.200	-0.100	-0.100	0.0	0.100	0.200	0.100	0.100	0.0
4	0115	0.103	0.209	0.0	0.0	0.100	0.100	0.300	0.100	0.100	0.0
5	0120	0.200	0.200	0.0	0.0	0.100	0.100	0.100	0.200	0.200	0.200
6	0130	0.200	0.300	0.0	0.100	0.100	0.200	0.100	0.200	0.200	0.200
7	11 0	0.209	0.300	0.0	0.100	0.240	0.290	0.300	0.200	0.200	0.100
8	1130	0.269	0.300	-0.100	0.100	0.240	0.200	0.400	0.200	0.200	0.100
9	21 0	0.309	0.400	0.100	0.103	0.200	0.200	0.100	0.200	0.200	0.100
10	2130	0.300	0.400	0.200	0.209	0.300	0.300	0.0	0.200	0.200	0.100
11	31 0	0.300	0.300	0.100	0.200	0.300	0.300	0.300	0.200	0.100	0.100
12	3130	0.300	3.500	0.100	0.300	3.300	0.400	0.700	0.100	0.200	0.100
13	41 0	0.403	0.500	0.200	0.400	0.400	0.300	0.400	0.300	0.200	0.100
14	4130	0.400	0.500	0.100	2.100	0.700	0.300	0.400	0.300	0.200	0.100
15	51 0	0.400	0.500	0.100	2.103	0.363	0.300	0.400	0.300	0.200	0.100
16	5130	0.400	0.500	0.500	2.300	0.303	3.300	0.400	0.300	0.200	0.200
17	61 0	0.430	0.500	0.300	0.300	0.300	0.300	0.700	0.400	0.200	0.100
18	6130	0.400	0.500	0.400	0.300	0.700	0.300	0.400	0.300	0.200	0.100
19	71 0	0.430	0.500	1.300	0.400	0.300	0.300	0.900	0.400	0.200	0.100
20	7130	0.300	0.500	1.900	0.500	0.200	0.200	0.900	0.400	0.300	0.200
21	81 0	0.700	0.500	2.409	0.700	0.200	0.200	1.100	0.400	0.200	0.200
22	8130	3.400	0.500	3.100	1.000	0.280	0.500	1.900	0.400	0.400	0.300
23	91 0	0.400	0.400	3.900	1.300	0.200	0.200	2.200	0.700	0.700	0.200
24	9130	0.400	0.400	3.900	1.800	0.400	0.300	2.700	1.100	0.300	0.700
25	101 0	0.409	0.400	4.200	2.300	0.400	0.300	3.000	1.900	0.400	0.200
26	10130	0.500	0.400	4.700	2.900	0.400	0.300	3.300	1.800	0.900	0.400
27	111 0	0.400	0.400	4.400	3.100	0.400	0.200	3.800	2.100	0.500	0.300
28	11130	0.500	0.300	5.200	3.800	0.400	0.300	3.900	2.400	0.800	0.300
29	121 0	0.500	0.300	5.400	4.200	0.800	0.300	4.200	2.800	0.900	0.500
30	12130	0.500	0.400	5.400	4.500	0.400	0.350	4.400	3.000	1.100	0.300
31	131 0	0.500	0.500	6.000	4.400	0.500	0.300	4.400	3.300	1.400	0.300
32	13130	0.500	0.400	6.200	5.100	0.408	0.200	4.800	3.900	1.900	0.300
33	141 0	0.500	0.500	6.400	5.500	0.700	0.200	5.000	3.900	2.300	0.300
34	14130	0.500	0.500	6.900	5.800	0.900	0.200	5.200	4.200	2.800	0.500
35	151 0	0.500	0.500	6.800	6.000	1.000	0.300	5.500	4.500	3.000	0.500
36	15130	0.600	0.500	7.100	6.500	1.300	0.300	5.400	4.800	3.300	0.500
37	161 0	0.800	0.500	7.200	6.500	1.400	0.300	5.900	5.100	3.400	0.500
38	16130	0.790	0.530	7.400	6.900	1.500	0.300	6.000	5.300	3.900	0.500
39	171 0	0.600	0.500	7.700	7.000	1.703	0.300	6.000	5.500	4.300	0.600
40	17130	0.400	2.400	7.700	7.200	1.909	0.300	6.300	5.700	4.500	0.600
41	181 0	0.700	0.400	7.700	7.400	2.250	0.400	6.500	5.800	4.700	0.700
42	18130	0.700	0.500	7.700	7.200	1.400	0.400	6.500	5.900	4.800	0.700
43	191 0	0.730	0.400	7.400	7.400	2.100	0.400	6.400	5.900	4.900	0.700
44	19130	0.900	0.700	7.800	7.500	2.200	0.530	6.300	6.100	4.900	0.900
45	20150	1.400	1.400	2.000	1.750	1.400	1.800	1.900	2.100	2.300	2.300

TITLE = CASE 1 DATE 86/10/20 TIME 014918

CH. INDEX		161 T=115	162 T=121	163 T=122	164 T=124	165 T=126	166 T=131	167 T=132	168 T=133	169 T=134	170 T=135
INITIAL		17.600	16.400	15.300	12.900	12.700	14.200	13.300	17.400	11.900	17.100
FINAL		17.800	16.500	16.000	15.000	15.800	16.000	15.800	15.100	16.600	14.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 5	0.100	0.0	0.100	0.0	0.100	-0.300	-0.100	0.0	0.200	0.100
3	0110	0.100	0.100	0.200	0.0	0.100	-0.100	-0.400	-0.100	-0.100	-0.100
4	0115	0.100	0.100	0.200	0.0	0.100	-0.200	-0.100	-0.100	0.100	0.0
5	0120	0.203	0.200	0.200	0.0	0.0	-0.400	-0.400	-0.100	0.200	0.0
6	0130	0.200	0.300	0.100	0.100	0.0	-0.400	-0.900	-0.800	-0.300	-0.200
7	11 0	0.200	0.200	0.200	0.0	0.0	-0.300	-0.400	-0.200	0.0	-0.200
8	1130	0.200	0.400	0.300	0.0	0.100	0.0	-0.500	-0.200	0.200	0.0
9	21 0	0.200	0.400	0.300	0.100	0.100	-0.100	-0.400	0.0	0.300	0.0
10	2130	0.200	0.400	0.300	0.100	0.0	-0.200	-0.200	0.100	0.400	0.100
11	31 0	0.200	0.400	0.300	0.100	0.100	-0.100	-0.200	0.100	0.400	0.200
12	3130	0.200	0.400	0.300	0.100	0.200	0.200	0.100	0.200	0.400	0.300
13	41 0	0.200	0.400	0.403	0.100	0.103	0.300	0.200	0.400	0.300	0.300
14	4130	0.200	0.400	0.400	0.100	0.100	0.429	0.300	0.300	0.400	0.400
15	51 0	0.300	0.500	0.400	0.100	0.200	0.500	0.200	0.100	0.400	0.300
16	5130	0.200	0.400	0.400	0.200	0.200	-0.100	0.0	0.0	0.500	0.700
17	61 0	0.300	0.700	0.500	0.230	0.200	0.400	0.0	0.200	0.500	0.400
18	6130	0.200	0.700	0.500	0.300	0.200	0.800	0.200	0.500	0.700	0.400
19	71 0	0.300	0.700	0.500	0.400	0.100	0.800	0.300	0.400	0.700	0.500
20	7130	0.300	0.700	0.400	0.300	0.200	0.400	0.500	0.100	0.400	0.400
21	81 0	0.300	0.900	0.400	0.300	0.300	0.500	0.300	0.100	0.400	0.500
22	8130	0.400	0.990	0.800	0.300	0.400	0.500	0.300	0.400	0.500	0.400
23	91 0	0.400	0.900	0.500	0.300	0.300	0.500	0.200	0.300	0.400	0.400
24	9130	0.300	1.120	0.600	0.700	0.300	0.400	0.290	0.400	0.700	0.400
25	101 0	0.903	1.200	0.800	0.300	0.400	0.700	0.300	0.500	0.700	0.400
26	10130	0.400	1.400	0.400	0.209	0.300	1.000	0.300	0.700	0.900	0.700
27	111 0	0.450	1.900	0.900	0.309	0.400	1.400	1.000	0.500	0.400	0.500
28	11130	0.400	2.100	1.000	0.300	0.300	1.500	0.400	0.300	0.400	0.500
29	121 0	0.400	2.430	1.200	0.500	0.400	1.000	1.000	0.400	0.700	0.700
30	12130	0.300	2.400	1.900	0.400	0.400	2.100	1.000	0.500	0.400	0.500
31	131 0	0.400	2.000	2.100	0.509	0.400	2.500	1.400	0.700	0.600	0.400
32	13130	3.400	3.000	2.400	3.900	0.900	2.400	1.700	0.800	0.400	0.500
33	141 0	0.400	3.200	3.600	0.500	0.300	2.900	1.900	0.700	0.400	0.500
34	14130	0.400	3.400	3.200	0.600	0.300	3.100	2.400	1.000	1.000	0.800
35	151 0	0.400	3.800	3.700	0.700	0.400	3.200	3.000	1.000	1.100	0.800
36	15130	0.400	3.700	3.900	0.700	0.500	3.400	3.200	1.200	1.200	0.900
37	161 0	0.403	3.900	4.100	1.090	0.400	3.400	3.400	1.300	1.200	1.090
38	16130	0.400	4.000	4.300	1.400	0.400	3.700	3.800	1.200	1.200	0.900
39	171 0	0.509	4.200	4.500	1.500	0.700	3.900	4.000	1.400	1.700	1.000
40	17130	0.500	4.300	4.700	1.500	0.700	4.000	4.100	1.700	1.300	1.100
41	181 0	0.400	4.500	4.400	1.400	0.700	4.200	4.300	1.800	1.700	1.100
42	18130	0.403	4.400	5.000	1.700	0.800	4.300	4.400	2.000	1.500	1.100
43	191 0	0.400	4.700	5.100	1.400	0.900	4.400	4.300	1.700	1.700	1.400
44	19130	0.700	4.700	5.300	2.100	1.000	4.500	4.800	2.300	1.900	1.400
45	20150	2.200	2.100	2.700	2.400	1.100	1.800	2.300	2.700	2.700	2.400

TITLE = CASE 1 DATE 86/10/20 TIME 014918

CH. INDEX		201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31	208 S= 32	209 S= 33	210 S= 34
INITIAL		0.167	0.168	0.169	0.169	0.174	0.168	0.169	0.175	0.176	0.178
FINAL		0.153	0.159	0.180	**********	0.173	0.166	0.163	0.182	0.175	0.178
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.080	100.008	100.000	100.000	100.000	100.000	100.000
2	01 5	100.019	100.030	99.951	100.217	100.000	99.988	99.987	100.137	99.955	100.011
3	0110	100.910	100.440	100.483	100.483	100.006	100.048	100.053	100.537	100.707	100.110
4	0115	100.042	100.500	101.011	100.461	100.025	100.085	100.077	100.771	100.400	100.079
5	0120	100.040	100.111	100.405	100.705	100.035	100.048	100.085	100.710	100.272	100.090
6	0130	100.142	102.271	100.335	100.996	100.079	100.056	100.080	100.930	100.290	100.140
7	11 0	98.361	100.259	100.613	101.149	100.058	100.087	103.140	101.056	100.375	100.163
8	1130	95.576	100.289	100.576	101.449	100.065	100.087	99.144	99.451	100.344	100.157
9	21 0	92.062	99.198	100.072	101.474	100.065	100.121	95.114	100.300	100.437	100.215
10	2130	91.191	98.757	99.437	101.599	100.675	100.177	89.320	93.277	100.358	100.176
11	31 0	92.498	93.499	100.366	101.749	100.098	100.148	80.201	99.760	100.446	100.129
12	3130	89.566	93.471	100.195	101.865	100.079	100.148	87.231	87.866	100.495	100.208
13	41 0	85.024	96.438	98.243	101.865	100.081	100.157	87.035	87.229	100.446	100.180
14	4130	85.058	96.333	99.087	102.050	100.961	100.148	89.080	87.155	100.483	100.146
15	51 0	85.870	95.402	96.876	102.047	100.001	100.157	92.231	88.887	100.361	100.196
16	5130	89.066	97.525	88.086	102.152	103.086	100.144	90.361	89.901	100.455	100.219
17	61 0	82.484	97.440	67.784	102.252	100.075	100.151	89.989	92.087	100.489	100.191
18	6130	70.414	96.255	90.898	102.348	100.086	100.145	88.734	90.850	100.415	100.190
19	71 0	91.829	92.717	88.581	102.454	100.104	100.157	47.775	86.571	100.747	100.086
20	7130	92.458	96.544	65.887	102.311	100.063	100.157	68.375	87.178	99.915	100.196
21	81 0	92.117	99.158	88.714	102.544	99.454	100.195	98.597	88.475	100.438	100.174
22	8130	91.471	99.047	89.978	101.277	100.873	100.195	90.429	90.959	100.347	100.219
23	91 0	87.951	95.436	99.703	102.110	99.991	100.195	90.361	92.522	100.063	100.140
24	9130	85.804	96.376	89.920	102.165	99.914	100.169	88.760	95.470	99.176	100.157
25	101 0	86.086	97.047	92.047	100.975	99.914	100.195	85.607	92.856	98.863	100.086
26	10130	85.070	97.527	90.565	100.477	99.451	100.087	89.142	89.325	92.213	100.103
27	111 0	88.642	91.927	85.451	100.288	99.856	100.191	88.609	88.547	90.411	100.095
28	11130	86.865	91.012	85.747	100.493	99.655	100.121	85.148	89.569	86.566	100.056
29	121 0	86.829	92.767	87.998	98.408	99.848	100.127	86.790	89.729	97.715	100.067
30	12130	86.745	92.102	87.566	96.760	99.449	100.133	86.174	91.757	96.486	99.970
31	131 0	87.165	92.129	86.508	97.667	98.718	100.078	87.706	91.795	94.001	99.880
32	13130	89.219	92.871	86.638	99.290	99.315	100.085	93.817	92.779	91.701	100.077
33	141 0	91.044	93.709	85.089	98.448	99.734	99.994	97.657	93.777	93.359	100.000
34	14130	90.084	94.150	65.765	99.422	99.784	99.986	95.731	96.309	94.519	99.966
35	151 0	91.094	95.294	86.742	100.874	98.767	99.901	95.691	97.768	95.765	99.856
36	15130	90.167	95.750	86.195	98.092	98.572	99.928	94.172	100.056	94.870	99.953
37	161 0	89.959	92.951	81.712	98.919	97.969	98.066	91.432	97.179	95.057	99.446
38	16130	89.369	92.610	83.961	99.290	97.767	99.209	91.571	99.581	97.505	99.557
39	171 0	86.871	92.769	83.275	99.221	97.697	99.255	91.030	98.478	93.784	99.523
40	17130	85.073	91.534	81.310	98.654	97.164	99.077	91.071	98.386	92.954	99.399
41	181 0	88.576	91.196	82.039	99.656	97.587	99.006	97.058	97.869	91.968	99.427
42	18130	88.780	91.714	83.981	98.476	97.596	99.151	97.568	98.060	94.516	99.478
43	191 0	88.656	91.191	82.664	99.468	97.410	99.052	97.507	97.786	93.463	99.488
44	19130	88.554	90.798	83.676	99.406	97.087	99.155	97.278	97.576	93.611	99.459
45	20150	91.667	96.582	95.618	**********	99.027	99.976	94.665	104.217	99.289	100.163

TITLE = CASE 1   DATE 86/10/20   TIME 014914

CH. INDEX		211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 51	217 S= 52	218 S= 53	219 S= 54	220 S= 55
INITIAL		0.160	0.167	0.156	0.163	0.163	0.165	0.157	0.163	0.169	0.179
FINAL		0.159	0.158	0.157	0.164	0.162	0.163	0.156	0.163	0.169	0.175
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	[illegible]	99.989	100.049	100.308	100.025	99.951	100.036	100.084	100.012	100.037	100.000
3	[illegible]	100.301	100.188	99.996	100.043	100.026	100.056	99.918	100.031	100.005	100.092
4	[illegible]	100.043	100.225	99.967	100.049	100.591	100.157	99.888	100.049	101.138	100.053
5	[illegible]	100.187	100.500	99.494	100.053	100.276	100.205	100.019	100.061	100.556	100.407
6	0130	100.157	100.519	100.086	100.083	100.249	100.262	100.051	100.067	100.556	100.407
7	11 0	100.557	100.362	99.987	100.098	100.456	100.302	100.006	100.080	101.001	100.775
8	1130	100.203	100.476	100.080	100.098	100.295	100.308	100.078	100.088	100.819	100.661
9	21 0	100.263	99.986	99.818	100.110	100.332	100.383	100.114	100.106	100.667	100.307
10	2130	100.193	91.537	99.950	100.110	100.319	101.357	100.121	100.122	100.852	100.457
11	31 0	100.301	87.631	97.544	100.110	100.461	98.160	99.264	100.141	101.165	100.608
12	3130	100.361	86.826	99.441	100.129	100.424	93.987	97.269	100.128	101.080	100.608
13	41 0	100.147	86.641	99.104	100.108	100.366	89.952	94.088	100.006	100.916	100.335
14	4130	100.193	82.962	97.870	100.135	100.567	86.492	88.815	100.026	101.011	100.385
15	51 0	100.001	84.700	92.816	100.129	100.326	88.162	85.957	99.988	100.968	100.390
16	5130	100.275	88.606	97.651	100.808	100.588	88.106	85.736	99.939	101.128	100.480
17	61 0	100.162	87.211	87.297	100.080	100.644	89.958	86.385	99.996	101.212	100.510
18	6130	100.531	87.880	89.811	100.881	100.908	90.961	88.377	99.702	101.546	100.753
19	71 0	100.008	85.088	92.808	99.989	100.166	90.361	89.218	99.888	100.968	100.094
20	7130	99.996	89.152	99.918	99.957	100.309	88.987	88.529	99.568	101.177	100.484
21	81 0	100.275	85.685	87.827	100.159	100.566	80.485	88.716	96.201	101.925	100.798
22	8130	100.525	86.889	89.261	100.889	100.619	87.502	86.677	97.851	101.798	100.892
23	91 0	100.361	86.898	87.560	99.887	100.000	89.695	86.708	96.599	101.936	100.976
24	9130	102.519	88.588	86.897	100.880	100.656	90.925	87.817	98.701	101.721	100.747
25	101 0	100.291	87.076	89.516	99.651	100.692	89.889	88.929	91.911	101.668	100.820
26	10130	99.950	96.670	98.278	99.988	100.162	88.785	99.156	93.681	101.101	100.918
27	111 0	100.157	83.516	89.161	100.825	100.635	87.159	87.768	96.565	101.408	100.390
28	11130	100.096	82.780	85.956	99.599	100.295	86.240	85.801	91.166	101.117	100.291
29	121 0	100.019	83.276	86.656	99.791	100.215	85.575	82.566	89.572	100.966	99.959
30	12130	100.150	83.896	86.796	99.620	100.330	86.971	86.837	89.627	101.281	100.307
31	131 0	100.250	83.965	87.568	99.018	100.062	87.261	86.936	90.656	101.688	100.552
32	13130	99.961	85.116	88.126	99.718	100.319	87.950	85.988	89.686	101.603	100.288
33	141 0	99.975	88.565	86.627	99.991	100.147	89.056	87.026	89.987	101.603	100.147
34	14130	99.757	90.061	89.606	99.569	100.141	89.981	87.106	90.363	101.281	100.136
35	151 0	99.665	91.086	90.909	99.605	100.073	92.726	89.186	96.869	101.065	99.816
36	15130	99.950	93.728	91.930	99.902	100.088	93.687	92.662	91.601	101.350	100.973
37	161 0	97.217	96.573	92.626	99.765	97.116	96.168	96.561	91.621	99.876	95.209
38	16130	97.329	91.786	92.758	98.875	97.891	96.966	96.122	92.696	97.205	95.927
39	171 0	97.606	91.728	92.859	98.885	97.912	95.160	95.217	96.812	97.690	95.828
40	17130	97.561	96.160	91.091	98.644	97.917	96.912	96.703	93.159	97.157	95.799
41	181 0	97.174	97.915	96.580	98.625	97.644	96.797	95.665	93.319	96.892	95.014
42	18130	97.267	93.577	92.298	98.776	97.617	95.091	97.799	92.630	97.785	95.965
43	191 0	97.105	93.196	88.832	91.119	97.128	96.869	96.893	92.618	96.965	95.167
44	19130	97.567	93.909	88.376	97.663	97.920	96.567	91.909	92.866	97.099	95.399
45	50150	98.827	99.811	90.910	100.666	99.100	98.865	99.219	99.879	100.868	97.362

TITLE = CASE 1   DATE 86/10/20   TIME 014914

CH. INDEX		221 S= 61	222 S= 62	223 S= 63	224 S= 71	225 S= 72	226 S= 81	227 S= 82	228 S= 83	229 S= 91	230 S= 92
INITIAL		0.175	0.161	0.196	0.166	0.143	0.162	0.170	0.161	0.161	0.166
FINAL		0.176	0.161	0.200	0.168	**********	0.159	0.171	0.162	0.159	0.165
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.002	100.000	100.000	100.000	100.000	100.000	100.000
2	[illegible]	100.036	99.596	100.067	100.051	100.327	100.019	100.006	100.063	100.012	100.090
3	[illegible]	100.040	100.062	100.108	100.079	100.643	100.037	100.076	100.105	100.065	100.036
4	[illegible]	100.091	100.373	100.211	100.067	100.566	100.067	100.096	100.126	100.069	100.036
5	[illegible]	100.126	100.066	100.257	100.275	101.217	100.086	99.980	100.143	100.050	100.036
6	0130	100.165	100.169	100.299	100.061	101.657	100.086	99.904	100.161	100.068	100.030
7	11 0	100.249	100.255	100.371	100.098	101.714	100.109	99.987	100.176	100.081	100.063
8	1130	100.220	99.898	100.617	100.092	101.976	100.109	100.012	100.199	100.091	100.055
9	21 0	100.263	100.481	100.676	100.098	102.128	100.117	100.067	100.205	100.104	100.060
10	2130	100.331	99.946	100.549	100.098	102.310	100.130	100.008	100.217	100.111	100.067
11	31 0	100.342	100.598	109.608	100.088	102.558	100.142	100.136	100.262	100.118	100.067
12	3130	99.275	99.889	100.615	100.110	102.754	100.161	100.200	100.273	100.138	100.067
13	41 0	95.540	100.111	100.659	100.110	102.461	100.191	100.260	100.275	100.162	100.067
14	4130	95.520	98.742	100.721	95.415	103.191	100.716	100.285	100.285	100.169	100.073
15	51 0	93.967	98.727	100.742	98.891	103.311	97.690	100.250	100.306	100.155	100.091
16	5130	92.095	97.539	100.016	93.067	103.658	98.378	103.167	100.506	100.167	100.085
17	61 0	96.666	95.282	100.078	90.687	103.618	99.181	99.965	100.306	97.246	100.097
18	6130	91.360	99.506	100.427	88.965	103.808	92.966	100.081	100.329	98.093	100.116
19	71 0	91.791	92.899	100.969	88.115	103.776	91.369	96.097	100.329	95.562	100.070
20	7130	91.591	96.658	100.995	96.714	103.962	90.167	93.278	100.367	91.506	100.103
21	81 0	92.564	92.676	101.076	88.966	104.266	90.209	91.152	100.367	89.886	100.128
22	8130	92.027	91.659	101.116	89.001	104.275	91.628	90.189	100.361	89.713	100.060
23	91 0	91.926	91.230	101.159	88.589	104.060	91.157	90.218	100.355	89.799	100.109
24	9130	91.627	91.037	101.169	87.667	103.567	90.693	91.108	100.355	90.061	100.079
25	101 0	92.072	92.650	101.180	87.157	104.449	90.702	91.875	100.367	89.817	99.957
26	10130	92.893	91.721	101.215	88.600	105.176	89.686	91.963	100.298	89.776	99.886
27	111 0	92.111	91.106	101.216	88.093	105.651	89.922	89.687	100.318	88.650	99.898
28	11130	93.257	90.700	101.311	88.663	101.769	90.160	90.050	100.427	87.797	99.996
29	121 0	91.368	89.861	101.275	86.762	100.568	89.603	89.876	100.535	88.825	99.869
30	12130	89.628	92.778	101.339	86.560	100.677	89.426	90.998	100.306	87.815	98.869
31	131 0	90.199	90.882	101.308	86.660	100.942	88.211	91.508	100.801	88.135	98.962
32	13130	90.172	88.410	101.427	83.800	102.117	88.118	91.396	100.298	87.668	98.966
33	141 0	91.001	88.527	101.427	85.175	105.183	86.095	90.896	100.260	86.631	97.190
34	14130	91.610	88.756	101.396	85.565	104.335	86.805	89.705	100.377	86.767	97.798
35	151 0	92.317	89.961	101.692	86.150	105.357	86.815	89.666	100.150	86.688	96.191
36	15130	96.133	89.585	101.690	87.666	100.901	86.322	89.076	100.057	85.085	96.102
37	161 0	96.666	91.105	101.659	88.701	103.416	89.615	88.669	100.130	85.788	95.660
38	16130	96.119	92.836	101.612	90.019	102.688	89.665	90.696	100.082	86.736	91.557
39	171 0	96.696	96.693	101.568	92.633	102.595	91.196	91.765	99.680	86.786	92.701
40	17130	96.889	96.773	101.576	93.066	102.172	92.969	97.273	99.076	89.331	96.966
41	181 0	96.976	92.860	101.617	95.035	102.967	91.808	97.158	99.006	89.609	93.600
42	18130	96.015	96.115	101.662	93.500	100.662	96.792	95.907	99.609	97.068	93.761
43	191 0	96.079	93.362	101.570	96.170	102.169	95.300	96.566	99.516	97.067	91.566
44	19130	96.926	92.318	101.618	92.971	101.596	95.716	96.260	99.009	93.883	90.968
45	50150	99.666	100.087	132.077	97.497	**********	98.638	101.079	100.161	98.196	100.172

TITLE = CASE 1   DATE 86/10/20   TIME 014914

CH. INDEX		231 S=101	232 S=102	233 S=103	234 S=111	235 S=112	236 S=121	237 S=122	238 S=123	239 S=131	240 S=132
INITIAL		0.166	0.166	0.181	0.176	0.166	0.137	0.156	0.166	0.162	0.170
FINAL		0.161	0.166	0.185	0.176	0.166	0.138	0.153	0.165	0.168	0.171
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	[illegible]	100.000	100.006	100.033	100.047	100.000	99.832	99.996	99.976	100.155	100.079
3	[illegible]	100.006	100.012	100.077	100.374	100.006	100.496	100.013	100.262	100.303	100.077
4	[illegible]	100.018	100.026	100.122	100.456	100.006	100.136	100.019	100.225	100.491	100.118
5	[illegible]	100.031	100.030	100.127	100.705	100.018	100.248	100.019	100.157	100.569	100.155
6	0130	100.065	100.036	100.166	100.682	99.988	100.280	100.017	100.127	100.705	100.196
7	11 0	100.069	100.042	100.177	100.865	100.012	100.102	99.987	100.109	100.867	100.236
8	1130	100.061	100.056	100.219	100.896	100.086	100.168	99.987	100.157	100.883	100.271
9	21 0	100.071	100.056	100.221	100.763	100.010	100.066	99.987	100.072	101.125	100.306
10	2130	100.071	100.060	100.296	100.072	100.012	100.299	99.981	100.103	101.267	100.336
11	31 0	100.079	100.072	100.282	100.988	100.018	100.350	99.981	100.127	101.409	100.371
12	3130	100.079	100.066	100.442	101.818	100.039	100.219	99.981	100.109	101.527	100.407
13	41 0	100.092	100.076	100.342	100.801	100.042	100.088	99.865	100.079	101.650	100.442
14	4130	100.092	100.085	100.341	100.555	100.056	100.255	99.885	100.127	101.774	100.486
15	51 0	100.098	100.085	100.451	100.888	100.078	100.156	99.867	100.079	101.891	100.501
16	5130	100.106	100.085	100.806	100.037	100.096	100.370	99.906	100.127	101.996	100.510
17	61 0	100.104	100.081	100.670	100.863	100.108	100.423	99.891	100.091	102.085	100.596
18	6130	100.090	100.097	100.516	100.816	100.108	100.554	99.859	100.139	102.157	100.570
19	71 0	99.700	100.103	100.816	100.791	100.096	100.371	99.852	100.062	102.256	100.599
20	7130	96.390	100.097	100.936	100.083	100.109	100.518	99.860	100.139	102.355	100.651
21	81 0	95.818	100.104	100.941	100.266	100.096	100.662	99.827	100.242	102.468	100.668
22	8130	96.827	99.976	100.992	99.118	100.096	100.598	99.816	100.230	102.571	100.686
23	91 0	96.077	99.802	100.992	95.015	100.076	100.085	99.788	100.169	102.697	100.688
24	9130	95.925	99.813	100.298	91.719	100.066	99.927	99.775	100.197	102.726	100.719
25	101 0	89.863	96.227	100.576	88.039	100.068	99.866	99.775	100.187	102.818	100.751
26	10130	98.023	91.887	100.992	87.362	100.096	96.310	99.763	100.091	102.880	100.760
27	111 0	99.261	91.576	100.586	87.171	100.082	88.109	99.763	100.121	102.617	100.777
28	11130	96.775	92.871	100.997	88.210	100.036	87.161	99.751	100.189	102.670	100.760
29	121 0	96.686	92.550	100.988	87.116	100.036	86.269	99.711	100.169	100.026	100.801
30	12130	96.359	92.026	100.613	86.716	99.802	83.996	99.586	100.216	99.808	100.413
31	131 0	86.697	89.875	100.619	89.877	99.675	81.660	98.916	100.175	98.896	100.471
32	13130	88.396	90.720	100.602	86.951	99.675	83.298	99.057	100.191	97.781	100.456
33	141 0	88.011	91.119	100.569	86.900	99.671	82.578	98.628	100.091	97.618	100.407
34	14130	87.665	91.119	100.508	86.695	98.851	81.626	98.241	99.966	97.066	99.729
35	151 0	86.151	90.667	100.681	86.511	99.516	80.865	98.101	99.887	97.342	99.709
36	15130	85.529	92.866	100.667	83.859	98.952	81.157	98.119	99.692	96.978	99.888
37	161 0	85.799	99.799	100.320	82.231	98.962	80.610	97.870	99.620	96.806	99.888
38	16130	85.916	89.289	100.362	82.711	96.097	83.527	97.886	99.666	96.970	99.787
39	171 0	86.666	89.742	100.221	81.931	99.922	76.635	97.686	99.769	96.230	99.570
40	17130	87.270	89.157	99.967	81.290	96.277	78.356	98.026	99.156	96.273	99.385
41	181 0	86.921	88.151	99.608	81.899	99.976	77.311	97.799	99.070	95.630	98.168
42	18130	89.280	88.681	99.699	82.916	95.296	76.087	97.747	98.758	95.241	98.527
43	191 0	91.719	99.868	99.697	86.667	96.150	76.650	97.601	98.915	95.037	86.765
44	19130	92.337	90.018	99.512	87.357	96.006	77.591	97.621	98.698	96.667	97.898
45	50150	96.959	99.155	100.906	99.541	99.747	100.666	98.133	99.891	103.866	100.519

TITLE = CASE 1   DATE 86/10/20   TIME 014914

CH. INDEX		250 V= 21	251 V= 22	252 V= 23	253 V= 24	254 V= 25	255 V= 26	256 V= 27	257 V= 28	258 V= 29	259 V= 71
INITIAL		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FINAL		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	[illegible]	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	[illegible]	0.0	0.002	0.0	0.002	0.0	0.002	0.0	0.002	0.0	0.0
5	[illegible]	0.002	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0
6	0130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	11 0	0.081	0.268	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.0
8	1130	0.956	0.177	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	21 0	0.967	0.266	0.0	0.0	0.0	-0.031	0.0	0.0	0.0	0.0
10	2130	0.965	0.218	0.002	0.0	0.002	-0.072	0.002	0.0	0.002	0.0
11	31 0	1.806	0.267	0.0	0.0	0.0	-0.036	0.0	0.0	0.0	0.0
12	3130	0.980	0.268	0.002	0.0	0.002	0.0	0.002	0.0	0.002	0.0
13	41 0	0.060	0.191	0.0	0.0	0.0	-0.031	0.0	0.0	0.0	0.0
14	4130	0.869	0.150	0.002	0.0	0.037	-0.101	0.002	0.0	0.002	0.416
15	51 0	0.069	0.057	0.0	0.0	0.0	-0.119	0.0	0.0	0.0	0.666
16	5130	0.960	0.166	0.0	0.0	0.0	-0.088	0.0	0.0	0.0	0.475
17	61 0	0.916	0.156	0.0	0.0	0.0	-0.091	0.0	0.0	0.0	0.586
18	6130	0.906	0.191	0.0	0.0	0.0	-0.129	0.0	0.0	0.0	0.710
19	71 0	1.003	0.275	0.0	0.0	0.0	-0.131	0.0	0.0	0.0	0.587
20	7130	1.067	0.430	0.0	0.0	0.0	-0.187	0.0	0.0	0.0	0.550
21	81 0	1.163	0.401	0.0	0.0	0.0	-0.187	0.0	0.0	0.0	0.657
22	8130	1.062	0.287	0.0	0.0	0.0	-0.266	0.0	0.0	0.0	0.612
23	91 0	1.828	0.296	0.0	0.0	0.0	-0.196	0.0	-0.116	0.0	0.587
24	9130	0.970	0.516	0.002	0.0	0.002	-0.237	-0.279	-0.219	0.002	0.587
25	101 0	1.018	0.296	0.0	0.002	0.0	-0.217	-0.281	-0.265	0.0	0.666
26	10130	1.115	0.526	0.002	0.0	0.0	-0.181	-0.217	-0.239	0.0	0.700
27	111 0	1.006	0.523	0.0	0.0	0.0	-0.232	-0.291	-0.265	0.0	0.667
28	11130	0.942	0.340	0.0	0.0	0.0	-0.261	-0.301	-0.268	0.0	0.687
29	121 0	0.996	0.470	0.0	0.0	0.0	-0.208	-0.325	-0.269	0.0	0.653
30	12130	0.979	0.329	0.0	0.002	0.0	-0.226	-0.289	-0.296	0.0	0.666
31	131 0	0.867	0.306	0.0	0.0	0.0	-0.230	-0.296	-0.296	-0.229	0.667
32	13130	1.755	0.419	0.0	0.0	0.0	-0.196	-0.287	-0.287	-0.367	0.533
33	141 0	1.657	0.166	0.0	0.0	0.002	-0.149	-0.269	-0.253	-0.279	0.661
34	14130	0.972	0.100	0.0	0.0	0.0	-0.206	-0.298	-0.273	-0.303	0.652
35	151 0	1.027	0.169	0.0	0.0	0.0	-0.186	-0.299	-0.260	-0.236	0.676
36	15130	0.953	0.313	0.0	0.0	0.0	-0.226	-0.296	-0.287	-0.295	0.581
37	161 0	0.669	0.292	0.0	0.0	0.0	-0.261	-0.301	-0.187	-0.036	0.676
38	16130	0.896	0.267	0.0	0.0	0.0	-0.198	-0.257	-0.101	-0.186	0.653
39	171 0	0.965	0.298	0.002	0.0	0.002	-0.176	-0.251	-0.266	-0.303	0.550
40	17130	0.870	0.266	0.0	0.0	0.0	-0.208	-0.287	-0.256	-0.266	0.628
41	181 0	0.867	0.289	0.0	0.0	0.0	-0.191	-0.258	-0.270	-0.287	0.555
42	18130	0.893	0.186	0.0	0.0	0.0	-0.176	-0.261	-0.251	-0.256	0.500
43	191 0	0.772	0.257	0.0	0.002	0.0	-0.149	-0.206	-0.205	-0.208	0.700
44	19130	0.719	0.260	0.0	0.0	0.007	-0.163	-0.201	-0.218	-0.169	0.741
45	50150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TITLE = CASE 1 DATE 86/10/20 TIME [illegible]

[illegible]		260 V= 72	261 V= 73	262 V= 74	263 V=121	264 V=122	265 V=123	266 V=124
INITIAL		0.0	0.0	0.0	0.0	0.0	0.0	0.0
FINAL		0.0	0.0	0.0	0.0	0.0	0.0	0.0
LCOM	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	[illegible]	0.0		0.0	0.0	0.0	0.0	0.0
2	[illegible]	0.0		0.0	0.0	0.0	0.0	0.0
3	[illegible]	0.0		0.0	0.0	0.0	0.0	0.0
4	[illegible]	0.0		0.0	0.002	0.0	0.002	0.0
5	[illegible]	0.0		0.0	0.0	0.0	0.001	0.0
6	[illegible]	0.0		0.0	0.0	0.0	0.0	0.0
7	[illegible]	0.0		0.0	0.188	0.0	0.0	0.002
8	[illegible]	0.0		0.0	0.200	0.0	0.0	0.0
9	[illegible]	0.0		0.0	0.179	0.0	0.0	0.0
10	[illegible]	0.002		0.002	0.255	0.002	0.0	0.002
11	[illegible]	0.0		0.0	0.319	0.0	0.0	0.0
12	[illegible]	0.002		0.002	0.257	0.002	0.0	0.002
13	[illegible]	0.0		0.0	0.172	0.0	0.0	0.0
14	[illegible]	0.002		0.002	0.284	0.002	0.0	0.002
15	[illegible]	0.0		0.0	0.277	0.0	0.0	0.0
16	[illegible]	0.0		0.0	0.201	0.0	0.0	0.0
17	[illegible]	0.0		0.0	0.177	0.0	0.0	0.0
18	[illegible]	0.0		0.0	0.291	0.0	0.0	0.0
19	[illegible]	0.0		0.0	0.267	0.0	0.0	0.0
20	[illegible]	0.0		0.0	0.253	0.0	0.0	0.0
21	[illegible]	0.0		0.0	0.184	0.0	0.0	0.0
22	[illegible]	0.0		0.0	0.228	0.0	0.0	0.0
23	[illegible]	0.0		0.0	0.256	0.0	0.0	0.0
24	[illegible]	0.0		0.0	0.269	0.002	0.0	0.002
25	[illegible]	0.0		-0.288	0.310	0.0	0.002	0.0
26	[illegible]	0.0		-0.184	0.441	0.0	0.0	0.0
27	[illegible]	0.0		-0.291	0.524	0.0	0.0	0.0
28	[illegible]	0.0		-0.205	0.347	0.0	0.0	0.0
29	[illegible]	0.0		-0.267	0.425	0.0	0.0	0.0
30	[illegible]	0.0		-0.108	0.418	0.0	0.0	0.0
31	[illegible]	0.002		-0.289	0.409	0.022	0.0	0.002
32	[illegible]	0.002		-0.299	0.419	0.0	0.0	0.0
33	[illegible]	0.002		-0.277	0.445	0.0	0.0	0.0
34	[illegible]	0.0		-0.282	0.417	0.0	0.002	0.0
35	[illegible]	0.0		-0.270	0.449	0.0	0.0	0.0
36	[illegible]	0.0		-0.332	0.499	0.0	0.0	0.0
37	[illegible]	0.0		-0.298	0.441	0.0	0.0	0.0
38	[illegible]	0.0		-0.210	0.447	0.0	0.0	0.0
39	[illegible]	0.002		-0.256	0.473	0.002	0.0	0.0
40	[illegible]	0.0		-0.256	0.446	0.0	0.0	0.0
41	[illegible]	0.0		-0.267	0.421	0.0	0.0	-0.180
42	[illegible]	0.0		-0.310	0.415	0.0	0.0	-0.198
43	[illegible]	0.0		-0.280	0.448	0.0	0.002	-0.144
44	[illegible]	0.002		-0.198	0.475	0.002	0.0	-0.228
45	[illegible]	0.0		0.0	0.0	0.0	0.0	0.0

実験No. 2 TITLE : CASE 2 (B) DATE 86/10/20 TIME 101391 9

CH. INDEX		101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		18.500	18.500	17.900	17.100	16.800	16.800	16.700	16.700	16.600	17.900
FINAL		20.100	20.000	17.900	17.200	16.900	16.900	16.900	16.800	16.900	20.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 3	-0.100	0.200	0.0	0.0	0.100	0.100	0.0	0.0	0.0	0.100
3	01 0	0.0	0.0	0.0	0.0	0.100	0.100	0.0	0.0	0.0	0.100
4	01 3	-0.100	-0.100	0.0	0.100	0.100	0.100	0.100	0.0	0.0	0.0
5	31 0	1.600	-0.100	0.0	0.100	0.100	0.100	0.100	0.0	0.100	0.0
6	0133	21.900	11.200	6.900	2.070	0.300	0.300	0.200	0.100	0.100	-0.100
7	11 0	44.100	35.000	21.800	4.130	0.700	0.600	0.200	0.100	0.100	20.270
8	1133	61.300	41.000	31.700	7.600	0.900	0.600	0.300	0.200	0.200	30.400
9	21 0	77.000	46.100	35.700	9.000	0.900	0.600	0.400	0.300	0.300	36.600
10	2130	89.900	49.700	40.100	13.600	1.200	0.800	0.500	0.500	0.300	38.400
11	31 0	107.000	51.690	44.500	17.300	1.400	1.100	0.600	0.500	0.400	41.000
12	3130	111.900	54.303	45.900	22.300	1.600	1.200	0.700	0.600	0.500	41.100
13	41 0	114.900	60.300	51.800	29.803	2.400	1.400	0.900	0.800	0.600	47.500
14	4130	120.800	61.930	55.800	32.600	6.900	1.900	1.000	0.800	0.700	51.700
15	51 0	127.630	66.900	57.800	36.100	11.600	4.600	1.200	0.900	0.700	56.100
16	5130	133.820	69.500	61.300	35.050	16.200	6.700	1.500	0.900	0.800	59.500
17	61 0	143.600	73.000	63.300	38.600	16.700	8.100	1.600	1.000	0.800	58.200
18	6130	145.300	76.909	66.600	39.500	17.800	9.900	1.700	1.100	0.800	60.600
19	71 0	151.200	77.633	65.600	40.600	17.600	11.000	2.100	1.200	0.900	63.000
20	7130	153.407	78.900	68.300	42.100	18.600	11.100	2.300	1.400	0.900	63.800
21	81 0	156.900	78.600	68.909	44.460	18.700	11.900	2.600	1.600	0.900	66.100
22	8130	153.600	81.600	68.500	46.100	20.600	12.200	3.000	1.600	1.000	66.700
23	91 0	158.000	80.200	71.900	47.600	21.700	13.100	3.300	1.800	1.000	66.100
24	9130	179.600	82.700	71.900	46.900	22.700	13.800	3.700	1.600	1.000	67.800
25	101 0	158.000	82.100	73.300	47.903	21.600	14.700	3.900	1.700	1.000	68.900
26	10130	160.500	82.600	73.700	56.600	21.100	14.400	4.200	1.800	1.100	67.300
27	111 0	163.500	85.200	73.000	59.400	22.000	14.700	4.500	1.800	1.100	68.000
28	11130	165.800	86.603	78.500	51.100	25.500	14.270	4.900	1.900	1.200	70.000
29	121 0	167.000	87.900	76.909	57.600	26.500	14.900	4.200	2.000	1.100	71.600
30	12130	170.200	88.300	78.500	51.900	27.966	15.800	4.000	2.000	1.300	72.900
31	131 0	174.000	89.600	79.700	52.609	26.100	16.200	4.300	2.200	1.400	72.900
32	13130	176.700	90.000	77.800	52.600	26.700	16.600	4.800	2.100	1.400	74.200
33	141 0	176.203	89.600	79.600	56.500	26.600	17.000	5.200	2.300	1.500	75.000
34	14130	180.000	91.100	80.400	55.600	25.830	17.500	5.100	2.400	1.400	76.300
35	151 0	181.500	90.000	75.700	56.600	25.500	17.300	5.400	2.400	1.300	75.300
36	15130	179.300	89.700	80.600	55.900	27.500	17.100	5.800	2.600	1.400	76.800
37	161 0	173.500	88.200	79.600	55.100	24.603	17.000	6.100	2.800	1.600	76.300
38	16130	181.100	82.600	76.000	55.600	27.330	16.000	6.100	2.500	1.600	77.200
39	171 0	152.600	81.330	75.300	56.000	27.600	16.400	5.400	2.500	1.600	60.900
40	17130	141.600	74.100	74.600	47.600	24.600	16.600	4.600	2.600	1.900	65.600
41	181 0	172.900	67.900	65.600	56.100	26.700	16.600	4.900	3.600	1.900	60.600
42	18130	114.209	61.700	59.200	46.900	24.100	16.500	4.800	3.300	1.900	59.800
43	191 0	104.803	56.900	51.500	42.205	24.600	14.100	4.600	3.000	1.900	51.000
44	19130	91.600	49.900	47.600	30.600	22.600	15.300	5.600	2.600	1.600	46.900
45	49144	1.600	1.900	0.400	0.100	0.100	0.100	0.270	0.100	0.300	3.000

TITLE : CASE 2 DATE 86/10/20 TIME 101391 9

CH. INDEX		111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		17.400	17.200	16.800	16.600	16.570	16.700	16.600	17.000	17.100	16.500
FINAL		18.100	17.700	17.000	13.900	16.900	16.900	16.900	20.600	18.200	17.200
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 3	0.0	0.0	-0.100	0.0	0.0	0.0	0.100	-0.100	0.0	0.100
3	01 0	0.0	0.0	0.100	0.0	0.0	0.0	0.100	0.0	0.0	0.100
4	01 3	0.0	0.0	0.100	0.100	0.0	0.0	0.100	0.0	0.0	0.100
5	01 0	1.100	0.0	0.200	0.100	0.100	0.100	0.100	0.100	0.100	0.200
6	0133	0.100	0.100	0.290	0.100	0.100	0.100	0.200	0.0	0.100	0.200
7	11 0	9.200	4.100	2.000	0.200	0.100	0.100	0.200	0.0	0.100	0.300
8	1130	14.300	7.500	2.400	0.300	0.600	0.200	0.200	10.600	5.900	2.000
9	21 0	24.100	10.200	2.600	0.500	0.500	0.260	0.300	16.600	10.300	4.900
10	2130	26.500	11.600	2.200	0.300	3.600	0.300	0.400	21.100	13.700	5.900
11	31 0	33.100	17.600	2.900	0.600	0.600	0.300	0.600	26.700	17.000	8.000
12	3130	35.700	20.900	5.300	0.700	0.700	0.600	0.500	27.600	21.600	10.400
13	41 0	40.300	26.100	9.300	0.700	0.600	0.500	0.600	30.300	26.600	12.600
14	4130	44.390	28.900	10.690	0.900	0.900	0.600	0.700	35.700	28.600	14.600
15	51 0	46.720	31.530	15.200	1.100	1.000	0.600	0.800	36.500	32.300	17.600
16	5130	48.600	33.700	24.300	1.500	1.100	0.700	0.800	39.100	35.600	20.200
17	61 0	50.520	36.400	19.300	1.600	1.300	0.800	0.900	40.900	37.700	22.600
18	6130	51.900	36.600	19.090	1.100	1.600	0.900	1.000	42.900	39.300	24.700
19	71 0	47.200	37.100	20.500	1.500	2.200	1.000	1.000	44.600	40.700	26.500
20	7130	44.200	38.200	25.700	14.600	2.600	1.100	1.100	45.900	42.300	27.900
21	81 0	45.900	39.600	21.503	17.600	2.600	1.200	1.100	46.600	45.100	29.600
22	8130	47.300	41.700	23.400	17.200	2.100	1.300	1.200	47.900	46.500	30.500
23	91 0	50.500	44.200	23.500	12.600	3.230	1.600	1.200	49.100	45.800	31.700
24	9130	50.100	45.502	25.700	13.603	3.730	1.600	1.300	49.700	47.000	32.700
25	101 0	50.590	45.000	26.700	13.100	3.600	1.900	1.300	50.600	48.100	33.900
26	10130	50.600	45.600	27.900	14.900	4.100	1.900	1.400	51.900	48.600	34.900
27	111 0	41.200	45.000	27.900	14.300	4.100	1.900	1.400	51.505	49.500	35.800
28	11130	41.903	46.300	27.603	15.600	4.600	1.900	1.500	52.600	50.100	36.600
29	121 0	44.000	46.700	29.103	15.100	4.500	1.900	1.500	53.600	50.900	37.500
30	12130	46.900	48.000	29.005	15.600	4.700	1.900	1.500	54.000	51.700	38.200
31	131 0	46.100	48.100	29.600	14.800	4.900	1.900	1.600	54.700	52.600	39.200
32	13130	45.700	48.600	28.600	14.560	5.600	1.900	1.600	55.600	53.900	39.700
33	141 0	46.600	48.900	29.800	14.860	5.700	1.900	1.700	56.000	54.200	40.900
34	14130	46.500	48.600	30.200	15.100	5.800	2.000	1.700	56.600	54.300	41.000
35	151 0	47.600	49.100	30.100	15.600	6.100	2.000	1.600	57.000	55.000	41.600
36	15130	41.100	49.500	30.900	16.600	6.400	2.100	1.700	57.500	55.200	41.800
37	161 0	47.600	49.800	32.200	16.500	6.000	2.200	1.700	57.100	55.600	42.300
38	16130	46.000	49.000	31.900	16.600	6.200	2.200	1.700	57.100	55.600	42.700
39	171 0	46.000	49.200	31.600	16.200	5.600	2.600	1.600	55.702	56.700	42.700
40	17130	41.900	47.600	31.700	16.230	6.100	2.300	1.400	56.200	53.200	42.900
41	181 0	50.300	46.600	30.600	15.200	6.700	2.300	1.900	52.200	51.700	42.000
42	18130	53.902	45.700	30.600	17.903	6.700	2.100	1.900	49.100	49.200	41.100
43	191 0	44.900	41.900	24.600	17.201	6.570	2.200	1.600	46.100	46.700	40.000
44	19130	45.600	37.300	29.930	16.000	6.910	2.100	1.600	45.700	44.000	38.500
45	49144	0.700	0.500	0.200	0.300	0.600	0.200	0.100	2.600	1.100	0.700

TITLE : CASE 2 DATE 86/10/20 TIME 101391 9

CH. INDEX		121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 38	126 T= 41	127 T= 42	128 T= 43	129 T= 44	130 T= 51
INITIAL		16.500	16.600	16.200	16.300	16.200	17.900	16.500	16.300	16.000	17.500
FINAL		17.230	17.000	16.800	16.800	16.800	21.500	17.100	17.000	16.800	19.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 3	0.0	0.0	0.0	0.0	0.0	0.0	-0.200	0.0	0.0	0.100
3	01 0	0.100	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.100	0.100
4	01 0	0.100	0.0	0.100	0.0	0.0	0.100	0.0	0.0	0.100	0.100
5	01 C	0.100	0.100	0.100	0.0	0.0	0.0	0.100	0.100	0.100	0.100
6	0130	0.100	0.100	0.100	0.100	0.100	-0.100	0.200	0.100	0.200	0.100
7	11 0	0.100	0.100	0.100	0.100	0.100	-0.100	0.200	0.200	0.200	0.100
8	1133	0.400	0.200	0.200	0.100	0.200	6.400	2.000	0.200	0.200	0.200
9	21 0	0.900	0.300	0.200	0.260	0.200	16.600	5.200	0.300	0.300	1.500
10	2133	1.100	0.400	0.340	0.300	0.200	19.500	9.200	0.400	0.400	7.800
11	31 0	1.300	0.900	0.400	0.300	0.600	22.400	11.900	0.400	0.400	10.900
12	3130	1.800	0.400	0.400	0.500	0.600	24.100	14.600	0.500	0.500	13.100
13	41 0	2.800	0.800	0.500	0.500	0.902	25.500	16.800	0.600	0.500	15.300
14	4135	4.600	0.900	0.500	0.500	0.903	26.800	18.700	0.700	0.500	17.300
15	51 0	5.100	1.200	0.600	0.600	0.600	32.000	21.800	0.800	0.600	20.800
16	5130	6.600	1.600	0.700	0.600	0.600	33.700	24.700	1.000	0.600	22.500
17	61 0	8.100	1.700	0.700	0.700	0.650	35.500	26.700	1.200	0.700	24.800
18	6130	9.500	2.100	1.000	0.900	0.605	37.000	27.600	1.500	0.700	26.100
19	71 0	10.700	2.600	0.900	0.900	0.700	37.700	29.000	1.700	0.700	27.400
20	7130	12.300	3.300	1.000	0.900	0.700	39.700	29.900	1.900	0.800	28.800
21	81 0	13.700	4.300	1.100	1.000	0.700	40.000	30.500	2.700	0.800	29.500
22	8130	14.700	5.500	1.200	1.000	0.800	40.200	31.000	3.200	0.900	30.900
23	91 0	15.600	6.200	1.400	1.100	0.800	41.600	32.200	3.500	0.900	31.100
24	9130	16.700	6.900	1.500	1.100	0.900	42.600	32.600	4.000	0.900	32.100
25	101 0	18.200	7.400	1.700	1.200	0.800	42.900	33.700	4.900	1.000	32.800
26	10135	19.200	8.300	1.900	1.200	0.700	44.100	34.400	5.600	1.000	33.800
27	111 0	20.200	9.000	2.000	1.300	0.900	43.800	34.900	7.000	1.000	34.500
28	11133	20.600	9.700	2.300	1.300	1.003	43.800	35.600	8.100	1.000	34.800
29	121 0	21.500	10.100	2.500	1.400	1.030	45.400	35.900	8.600	1.100	35.100
30	12130	21.900	10.600	2.600	1.420	1.000	46.000	36.300	8.900	1.100	35.600
31	131 0	22.300	10.800	2.600	1.500	1.000	47.000	36.900	7.300	1.100	36.600
32	13130	23.000	11.100	2.700	1.500	1.000	47.300	38.000	7.700	1.100	37.100
33	141 0	23.303	11.900	2.900	1.500	1.000	47.600	38.600	8.000	1.100	37.700
34	14136	23.700	12.200	3.100	1.600	1.000	48.300	39.200	9.900	1.000	38.700
35	151 0	24.100	12.000	3.600	1.600	1.000	48.600	39.600	10.600	1.100	38.800
36	15130	24.603	12.900	3.800	1.703	1.000	49.300	39.200	11.700	1.100	39.100
37	161 0	25.000	13.200	3.900	1.700	1.100	48.900	39.800	13.600	1.200	39.200
38	16130	25.300	13.600	4.000	1.700	1.100	48.600	40.200	14.100	1.200	39.400
39	171 0	25.400	13.900	4.300	1.600	1.100	48.100	39.600	14.000	1.300	39.300
40	17130	25.900	14.000	4.500	1.900	1.200	46.300	39.500	12.409	1.300	38.000
41	181 0	25.700	14.000	4.600	1.900	1.200	44.600	38.100	11.600	1.400	38.100
42	18130	25.700	14.000	4.800	2.000	1.300	41.800	36.603	10.200	1.500	36.900
43	191 0	25.900	11.800	4.800	2.100	1.300	39.300	36.700	9.800	1.500	35.400
44	19130	24.900	11.600	4.900	2.100	1.330	36.700	33.500	10.600	1.500	33.900
45	49144	0.700	0.600	0.600	0.900	0.630	3.600	0.600	0.700	0.600	2.400

TITLE : CASE 2 DATE 86/10/20 TIME 101391 9

CH. INDEX		131 T= 52	132 T= 53	133 T= 54	134 T= 55	135 T= 61	136 T= 62	137 T= 63	138 T= 64	139 T= 71	140 T= 72
INITIAL		15.700	16.100	15.130	16.000	17.100	16.100	16.000	15.900	17.000	16.100
FINAL		18.200	17.600	16.800	16.700	19.700	17.300	16.900	16.600	19.700	18.200
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 3	0.100	0.100	0.0	0.100	0.100	0.0	0.0	0.100	-0.100	0.0
3	01 0	0.100	0.100	0.100	0.100	0.200	0.0	0.100	0.0	0.0	0.0
4	01 3	0.100	0.100	0.100	0.100	0.200	0.100	0.100	0.0	0.100	0.0
5	01 0	0.100	0.100	0.100	0.200	0.200	0.200	0.100	0.100	0.100	0.100
6	0133	0.200	0.200	0.100	0.200	0.200	0.200	0.200	0.200	0.300	0.100
7	11 0	0.200	0.300	0.100	0.200	0.300	0.100	0.200	0.100	0.200	0.100
8	1130	0.300	0.300	0.200	0.300	0.300	0.100	0.200	0.200	0.200	0.200
9	21 0	2.100	0.400	0.200	0.300	0.300	0.100	0.200	0.200	0.300	0.300
10	2133	4.530	1.400	0.200	0.300	0.600	1.900	0.200	0.200	0.400	0.300
11	31 0	4.300	2.500	0.303	0.300	3.700	4.300	0.300	0.300	3.600	2.700
12	3130	5.900	3.500	0.300	0.303	11.300	5.600	0.300	0.300	4.900	4.900
13	41 0	13.800	4.900	3.600	0.600	13.300	6.900	0.500	0.300	8.600	6.300
14	4130	12.630	6.030	0.600	0.600	16.600	8.500	0.500	0.600	10.100	7.600
15	51 0	14.990	9.030	0.500	0.600	16.100	9.800	0.700	0.300	11.100	9.100
16	5130	17.209	11.300	0.500	0.600	19.605	11.700	0.900	0.600	13.200	11.100
17	61 0	19.900	13.700	3.600	0.600	21.030	13.600	1.300	0.600	15.600	13.200
18	6130	21.700	15.200	0.600	0.500	22.730	15.200	1.900	0.600	17.000	15.200
19	71 0	23.300	16.600	0.700	0.503	23.000	16.600	2.700	0.500	18.200	16.100
20	7130	24.600	17.500	0.600	0.500	24.300	17.600	2.700	0.500	18.700	17.600
21	81 0	25.300	18.700	0.600	0.600	25.500	18.100	2.600	0.600	19.100	18.700
22	8132	26.900	19.100	0.900	0.500	25.500	18.900	3.100	0.600	19.800	19.100
23	91 0	27.600	20.200	1.000	0.500	26.100	19.600	3.700	0.600	20.600	20.000
24	9130	28.700	20.800	1.100	0.500	27.300	20.200	4.600	0.600	21.300	20.900
25	101 0	29.600	21.900	1.100	0.603	27.600	21.100	5.600	0.600	21.800	21.900
26	10130	30.603	22.900	1.100	0.600	28.600	21.600	6.300	0.600	22.600	22.600
27	111 0	31.600	23.330	1.600	0.600	28.630	22.700	7.000	0.700	23.000	22.900
28	11131	31.900	23.600	1.600	0.700	23.530	22.700	7.800	0.700	23.600	23.500
29	121 1	32.630	24.600	1.600	0.700	24.603	23.500	8.600	0.600	24.000	23.900
30	12133	34.000	24.700	1.700	0.600	30.530	23.600	9.000	0.900	24.600	24.200
31	131 0	33.600	24.630	1.700	0.600	30.630	23.900	9.700	0.500	25.000	24.800
32	13130	34.200	24.500	1.900	0.600	31.000	24.500	10.200	0.500	25.600	25.000
33	141 C	35.000	24.700	2.000	0.500	31.500	24.700	10.300	0.500	25.600	25.600
34	14130	35.703	25.600	2.003	0.600	32.600	25.200	9.600	0.500	26.000	26.000
35	151 C	36.000	26.500	2.100	0.600	33.000	25.900	10.600	0.600	26.600	26.500
36	15130	36.500	27.500	2.600	0.700	33.100	26.300	11.500	0.600	27.300	27.100
37	161 0	36.500	27.500	2.600	0.700	33.600	26.603	12.000	0.600	27.300	27.700
38	16130	37.000	27.600	3.600	0.600	32.600	26.700	12.300	1.000	27.500	27.600
39	171 0	37.233	27.000	3.500	0.600	33.603	27.100	12.500	1.100	27.600	27.900
40	17130	37.000	27.600	3.900	1.000	33.100	26.900	12.700	1.100	27.300	27.900
41	181 0	36.500	26.600	3.600	1.000	32.500	26.600	11.600	1.100	26.900	27.300
42	18130	35.700	25.200	3.600	1.000	31.600	26.300	11.100	1.100	26.700	27.000
43	191 0	34.830	26.700	3.600	1.000	30.100	25.600	10.500	1.100	25.900	26.700
44	19130	33.603	26.700	3.300	1.030	29.100	25.000	10.100	1.200	25.200	25.600
45	49144	1.500	0.900	0.700	0.710	2.100	1.200	0.900	0.900	2.700	2.100

TITLE = CASE 2 DATE 86/10/20 TIME 10:59:0

CH. INDEX		141 T= 73	142 T= 74	143 T= 75	144 T= 81	145 T= 82	146 T= 83	147 T= 86	148 T= 91	149 T= 92	150 T= 93
INITIAL		15.800	16.000	15.900	16.600	15.800	15.700	15.800	16.400	15.700	15.500
FINAL		16.900	17.800	16.800	18.500	17.300	17.000	17.000	18.700	18.000	16.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 [illegible]	-0.100	0.0	-0.100	0.100	0.0	0.0	0.0	0.100	0.0	0.0
3	01 [illegible]	0.300	0.0	0.0	0.100	0.100	0.0	0.100	0.0	0.100	0.0
4	01 [illegible]	0.133	0.0	0.0	0.200	0.100	0.100	0.100	0.0	0.100	0.0
5	01 [illegible]	0.300	0.0	0.0	0.300	0.100	0.100	0.100	0.0	0.100	0.100
6	0130	0.700	0.100	0.100	0.300	0.200	0.200	0.200	0.100	0.200	0.100
7	11 0	0.100	0.100	0.100	0.300	0.100	0.200	0.100	0.100	0.200	0.200
8	1130	0.200	0.100	0.100	0.400	0.200	0.200	0.200	0.200	0.100	0.200
9	21 0	0.100	0.100	0.100	0.400	0.200	0.200	0.200	0.200	0.300	0.200
10	2130	0.400	0.100	0.100	0.500	0.300	0.290	0.200	0.300	0.400	0.200
11	31 0	0.300	0.200	0.100	0.900	0.900	0.300	0.200	0.300	0.400	0.200
12	3130	0.900	0.200	0.200	2.700	1.300	0.600	0.300	0.400	0.300	0.300
13	41 0	1.300	0.200	0.200	5.100	2.100	0.600	0.100	0.900	0.900	0.100
14	4130	2.703	0.300	0.200	6.600	4.200	0.500	0.300	2.100	2.900	0.600
15	51 0	3.800	0.300	0.300	7.903	4.200	0.500	0.400	3.200	4.200	1.000
16	5130	5.100	0.300	0.300	8.700	5.230	0.800	0.400	4.200	5.000	1.000
17	61 0	6.690	0.400	0.300	10.400	6.500	1.000	0.400	5.200	6.300	2.400
18	6130	8.000	0.400	0.300	12.300	8.000	1.500	0.500	6.500	7.600	3.500
19	71 0	9.500	0.500	0.400	13.403	9.400	1.900	0.500	7.800	9.300	4.600
20	7130	10.400	0.400	0.400	14.600	10.400	2.400	0.600	8.900	10.600	5.900
21	81 0	11.200	0.400	0.400	16.900	11.900	3.100	0.600	9.800	11.600	7.000
22	8130	11.700	0.700	0.400	15.500	12.100	3.500	0.700	10.400	12.300	7.700
23	91 0	12.400	0.800	0.400	16.100	12.700	3.800	0.600	11.000	12.800	8.400
24	9130	13.300	0.900	0.400	16.700	13.500	4.900	0.700	11.900	13.400	8.900
25	101 0	14.200	0.900	0.400	17.200	14.200	5.900	0.700	12.100	14.100	9.900
26	10130	15.000	0.900	0.500	17.700	14.703	6.790	0.700	12.700	14.900	10.200
27	111 0	15.300	0.900	0.500	18.400	15.200	7.000	0.700	13.300	15.000	10.600
28	11130	15.800	0.900	0.500	18.900	15.800	7.400	0.700	13.700	16.000	11.100
29	121 0	16.700	0.900	0.400	19.200	16.200	7.800	0.790	14.100	16.700	11.600
30	12130	17.000	1.000	0.400	19.603	16.700	8.600	0.700	14.500	16.800	12.000
31	131 0	17.500	1.000	0.400	20.100	17.000	9.900	0.800	14.800	17.200	12.400
32	13130	17.700	1.200	0.400	19.900	17.353	10.090	0.800	15.300	17.400	12.600
33	141 0	17.800	1.100	0.400	20.700	17.700	10.700	0.900	15.503	17.700	12.900
34	14130	17.900	1.700	0.500	20.600	17.900	11.000	1.000	16.000	18.200	13.300
35	151 0	18.600	2.100	0.500	20.400	18.700	11.000	1.200	16.000	18.100	13.600
36	15130	19.000	2.000	0.700	21.400	18.700	11.200	1.400	16.400	18.800	13.800
37	161 0	19.700	3.000	0.700	22.500	19.300	11.290	1.400	16.900	19.300	14.200
38	16130	19.300	3.000	0.800	22.500	19.700	11.600	1.600	17.200	19.600	14.400
39	171 0	20.000	3.300	0.800	22.400	20.100	11.900	1.500	17.500	19.900	14.600
40	17130	20.100	3.400	0.800	22.500	20.350	11.700	1.500	17.800	20.100	14.900
41	181 0	19.800	3.100	0.800	22.200	20.600	11.700	1.600	17.800	20.100	15.200
42	18130	19.703	3.100	0.900	22.200	20.000	11.900	1.700	17.900	20.000	15.200
43	191 0	19.800	2.800	1.000	22.000	20.050	11.700	1.700	17.700	19.900	15.100
44	19130	18.900	2.900	1.000	21.300	20.800	11.600	1.700	17.800	19.600	15.000
45	[illegible]	1.190	1.000	1.000	1.400	1.500	1.300	1.790	2.300	2.300	1.400

TITLE = CASE 2 DATE 86/10/20 TIME 10:59:0

CH. INDEX		151 T= 94	152 T= 95	153 T=101	154 T=102	155 T=103	156 T=104	157 T=111	158 T=112	159 T=113	160 T=114
INITIAL		15.600	15.700	16.500	15.400	15.400	15.900	16.100	15.600	15.700	15.100
FINAL		16.900	16.900	19.200	17.300	16.800	16.900	17.000	17.700	16.900	16.800
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 [illegible]	0.0	0.0	-0.200	0.100	0.0	0.100	0.0	0.100	0.0	0.0
3	01 [illegible]	0.0	0.0	-0.300	0.200	0.0	0.100	0.0	0.100	0.0	0.100
4	01 [illegible]	0.0	0.0	-0.300	0.200	0.0	0.100	0.100	0.100	0.0	0.100
5	01 [illegible]	0.100	0.100	-0.220	0.200	0.100	0.200	0.200	0.200	0.100	0.100
6	0130	0.100	0.100	-0.100	0.200	0.100	0.200	0.300	0.200	0.200	0.200
7	11 0	0.200	0.200	-0.100	0.200	0.100	0.200	0.300	0.200	0.200	0.200
8	1130	0.200	0.200	0.0	0.400	0.100	0.300	0.300	0.100	0.200	0.200
9	21 0	0.200	0.200	0.0	0.400	0.200	0.300	0.100	0.100	0.200	0.300
10	2130	0.400	0.300	0.0	0.400	0.200	0.300	0.300	0.300	0.300	0.300
11	31 0	0.300	0.100	-0.100	0.300	0.200	0.300	0.200	0.300	0.300	0.400
12	3130	0.430	0.200	0.0	0.600	0.300	0.400	0.100	0.400	0.300	0.400
13	41 0	0.400	0.400	0.100	0.600	0.400	0.400	2.200	0.600	0.400	0.400
14	4130	0.400	0.100	0.100	0.500	0.400	0.400	0.200	0.600	0.300	0.400
15	51 0	0.503	0.400	1.400	1.400	0.600	0.500	0.300	0.400	0.400	0.500
16	5130	0.500	0.403	2.400	1.400	0.600	0.500	0.200	0.600	0.400	0.500
17	61 0	0.500	0.400	3.400	2.400	0.650	0.500	0.400	0.600	0.400	0.500
18	6130	0.600	0.400	4.400	3.200	0.900	0.500	2.600	1.500	0.700	0.500
19	71 0	0.500	0.500	6.100	4.000	0.670	0.600	4.500	1.900	1.100	0.500
20	7130	0.800	0.500	7.300	5.200	0.800	0.600	4.800	2.700	1.100	0.600
21	81 0	1.000	0.400	8.200	6.300	1.300	0.600	5.800	3.600	1.600	0.600
22	8130	1.903	0.600	8.700	7.400	2.600	0.600	6.900	4.300	2.100	0.600
23	91 0	1.000	0.600	9.300	8.500	2.300	0.600	8.000	5.000	2.900	0.500
24	9130	1.100	0.600	9.700	9.700	3.100	0.600	7.200	5.800	3.700	0.500
25	101 0	1.100	0.600	10.300	9.800	3.600	0.600	7.800	6.600	4.600	0.600
26	10130	1.100	0.600	11.000	10.100	4.400	0.500	8.100	7.100	5.200	0.500
27	111 0	1.100	0.500	11.300	10.400	4.900	0.400	8.800	7.600	5.800	0.600
28	11130	1.100	0.500	11.700	11.400	5.730	0.400	9.300	8.700	6.300	0.900
29	121 0	1.300	0.500	12.200	11.600	6.330	0.400	9.700	8.600	6.800	1.100
30	12130	1.300	0.500	12.500	12.000	6.600	0.590	10.100	9.003	7.100	1.600
31	131 0	1.450	0.500	12.800	12.350	6.600	0.500	10.200	9.300	7.500	1.900
32	13130	1.600	0.500	13.000	12.400	7.100	0.700	10.500	9.600	7.800	2.300
33	141 0	2.600	0.600	13.500	13.200	7.500	0.800	10.800	9.900	8.000	2.400
34	14130	3.000	0.700	13.500	13.600	7.700	1.000	11.000	10.100	8.200	2.500
35	151 0	3.400	0.850	14.100	13.400	8.600	1.000	11.100	10.100	8.600	2.600
36	15130	3.100	0.970	14.200	14.300	8.300	1.250	11.400	10.700	8.800	2.900
37	161 0	3.690	0.900	14.300	14.500	8.600	1.200	11.700	11.050	9.000	3.000
38	16130	3.800	0.900	14.600	14.400	8.700	1.100	12.000	11.600	9.300	3.300
39	171 0	3.710	1.000	15.400	15.100	9.603	1.290	12.400	11.900	9.500	3.400
40	17130	3.760	1.000	15.400	15.400	9.540	1.203	12.403	11.900	9.700	3.700
41	181 0	3.500	1.100	15.700	15.700	8.600	1.300	12.700	12.000	9.900	4.900
42	18130	3.800	1.100	15.900	15.400	8.630	1.400	12.800	12.200	10.100	4.400
43	191 0	3.903	1.200	15.800	15.600	6.100	1.700	13.100	12.300	10.300	4.400
44	19130	4.103	1.200	15.500	15.700	6.200	1.800	12.900	12.500	10.400	4.400
45	[illegible]	1.390	1.200	1.700	1.900	1.600	1.400	1.800	2.300	1.700	1.700

TITLE = CASE 2 DATE 86/10/20 TIME 10:59:0

CH. INDEX		161 T=115	162 T=121	163 T=122	164 T=123	165 T=124	166 T=131	167 T=132	168 T=133	169 T=134	170 T=135
INITIAL		15.500	16.000	15.300	15.000	15.000	15.600	15.800	16.000	16.600	16.700
FINAL		16.900	17.400	17.400	16.800	16.800	17.200	17.000	16.500	16.100	16.200
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 [illegible]	0.0	-0.100	0.0	0.0	0.0	-0.200	-0.100	0.0	0.100	0.0
3	01 [illegible]	0.100	-0.200	0.0	0.0	0.0	0.0	0.100	0.0	0.200	0.100
4	01 [illegible]	0.100	-0.300	-0.100	0.0	0.0	0.100	0.100	0.100	0.200	0.100
5	01 [illegible]	0.200	-0.100	-0.100	0.0	0.0	-0.100	0.100	0.100	0.100	0.100
6	0130	0.200	0.0	0.0	0.100	0.0	0.100	0.100	0.100	0.200	0.100
7	11 0	0.200	-0.200	0.0	0.100	0.100	0.100	0.200	0.100	0.200	0.100
8	1130	0.300	-0.100	0.0	0.200	0.100	0.200	0.100	0.100	0.200	0.100
9	21 0	0.300	-0.100	0.100	0.200	0.100	0.200	0.100	0.100	0.200	0.200
10	2130	0.400	0.0	0.100	0.200	0.200	0.300	0.200	0.200	0.300	0.200
11	31 0	0.400	0.100	0.200	0.100	0.200	0.300	0.200	0.300	0.300	0.300
12	3130	0.500	0.100	0.300	0.400	0.300	0.200	0.300	0.300	0.300	0.200
13	41 0	0.500	0.100	0.300	0.400	0.300	0.300	0.100	0.300	0.400	0.300
14	4130	0.500	0.100	0.300	0.400	0.300	0.400	0.400	0.300	0.400	0.200
15	51 0	0.600	0.100	0.300	0.430	0.400	0.200	0.400	0.300	0.400	0.200
16	5130	0.500	0.100	0.300	0.400	0.300	0.300	0.400	0.200	0.300	0.200
17	61 0	0.500	0.0	0.300	0.400	0.600	0.400	0.400	0.200	0.100	0.0
18	6130	0.500	0.0	0.300	0.400	0.600	0.500	0.400	0.300	0.200	0.100
19	71 0	0.600	0.100	0.300	0.403	0.630	0.400	0.400	0.300	0.200	0.100
20	7130	0.600	0.100	0.400	0.400	0.300	0.0	0.200	0.100	0.200	0.100
21	81 0	0.600	1.200	1.400	0.600	0.200	-0.200	0.200	0.100	0.200	0.200
22	8130	0.600	2.000	1.800	0.600	0.200	0.0	0.200	0.100	0.200	0.200
23	91 0	0.600	2.800	2.500	0.600	0.100	1.350	1.490	0.400	0.400	0.200
24	9130	0.500	3.600	2.400	0.900	0.100	2.500	2.200	0.500	0.100	0.100
25	101 0	0.600	4.000	3.700	0.700	0.100	3.400	3.000	0.600	0.200	0.100
26	10130	0.600	4.400	4.400	1.000	0.200	3.900	3.400	0.800	0.500	0.300
27	111 0	0.600	4.800	4.800	1.300	0.100	4.400	4.100	1.100	0.600	0.400
28	11130	0.600	5.300	5.500	2.200	0.200	4.700	4.700	1.400	0.800	0.400
29	121 0	0.600	5.600	5.000	3.000	0.400	5.100	5.100	1.700	1.100	0.700
30	12130	0.600	6.300	5.400	3.100	0.400	5.400	5.500	2.400	1.000	0.600
31	131 0	0.600	6.400	6.600	3.200	0.750	5.700	5.900	3.000	1.000	0.600
32	13130	0.700	6.600	6.900	3.700	0.750	5.800	6.200	2.100	1.100	0.700
33	141 0	0.600	6.900	7.100	3.803	0.900	6.700	6.600	2.090	1.400	0.900
34	14130	0.700	7.000	7.300	3.700	0.900	6.500	6.600	2.900	1.400	1.000
35	151 0	0.800	7.100	7.600	4.300	1.000	6.360	6.800	3.190	1.600	1.000
36	15130	0.900	7.600	8.000	4.600	1.100	6.800	7.100	3.900	1.600	1.000
37	161 0	0.900	7.830	8.300	4.800	1.200	6.800	7.300	3.900	1.500	1.100
38	16130	1.000	8.000	8.600	5.200	1.300	7.100	7.640	4.100	1.800	1.200
39	171 0	1.100	8.300	8.800	5.400	1.400	7.400	7.800	5.000	2.300	1.490
40	17130	1.100	8.500	9.100	6.000	1.500	7.500	8.000	5.200	2.700	1.490
41	181 0	1.200	8.400	9.300	5.800	2.000	7.800	8.200	5.400	2.000	1.500
42	18130	1.400	8.900	9.500	6.600	1.900	8.000	8.300	5.700	2.300	1.900
43	191 0	1.500	8.900	9.800	6.700	1.800	8.200	8.600	6.000	2.500	1.500
44	19130	1.403	9.100	9.800	7.000	2.300	8.100	8.600	6.000	2.700	1.500
45	[illegible]	1.000	1.000	2.100	1.803	1.633	1.000	2.000	1.700	1.500	1.500

TITLE = CASE 2 DATE 86/10/20 TIME 10:59:0

CH. INDEX		201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31	208 S= 32	209 S= 33	210 S= 34
INITIAL		0.182	0.165	0.186	0.158	0.175	0.166	0.169	0.189	0.177	0.170
FINAL		0.165	0.151	0.175	0.156	0.172	0.169	0.156	0.171	0.171	0.170
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.500	100.000	100.000	100.000	100.000
2	01 [illegible]	100.012	100.097	100.190	99.994	99.986	99.966	99.970	99.986	99.977	100.086
3	01 [illegible]	100.018	99.895	99.706	99.475	99.963	99.877	99.835	99.867	99.808	100.011
4	01 [illegible]	100.057	99.766	94.254	99.965	99.876	99.856	99.817	99.788	99.760	100.006
5	01 [illegible]	100.042	99.814	99.177	99.994	99.963	99.910	99.017	99.785	99.717	99.996
6	0130	100.055	99.736	99.314	100.070	99.957	99.916	99.059	99.851	99.768	99.961
7	11 0	91.965	99.073	99.866	100.080	99.924	99.910	99.065	99.873	99.867	100.061
8	1130	85.095	95.977	98.835	99.996	99.914	99.916	83.096	98.870	99.785	100.086
9	21 0	86.009	93.867	97.266	100.025	99.917	99.936	78.375	88.868	99.780	100.070
10	2130	85.810	97.234	90.738	100.002	100.011	100.030	76.863	88.601	99.971	100.022
11	31 0	87.936	92.496	79.767	94.979	99.943	99.966	79.646	80.666	99.678	100.117
12	3130	90.842	96.133	78.886	100.088	100.036	100.107	86.135	80.585	100.079	100.128
13	41 0	95.576	96.266	85.483	99.678	100.011	100.426	86.756	87.297	99.186	100.169
14	4130	95.077	97.869	90.950	99.071	100.036	100.126	93.070	90.091	83.968	100.123
15	51 0	91.201	95.457	89.897	89.983	99.865	99.916	90.479	91.807	81.616	100.065
16	5130	86.506	92.442	88.703	89.867	99.716	99.958	82.851	87.178	80.610	99.986
17	61 0	89.965	98.327	86.869	92.786	99.420	99.966	87.427	85.060	81.666	100.078
18	6130	90.121	91.376	81.770	91.177	99.608	100.066	89.514	85.817	86.392	100.067
19	71 0	91.451	92.200	80.730	92.545	99.166	103.860	85.891	88.111	85.679	99.955
20	7130	92.168	93.226	84.404	91.657	99.539	100.036	87.696	85.690	86.780	99.933
21	81 0	93.296	93.736	83.787	92.665	99.665	99.996	88.717	86.920	86.886	100.006
22	8130	91.073	94.320	91.113	91.667	97.626	99.997	90.429	89.599	87.291	99.911
23	91 0	97.122	92.816	90.678	91.613	93.566	99.960	87.422	89.832	86.683	99.883
24	9130	86.796	90.770	86.820	91.113	92.548	99.988	81.476	86.066	87.961	99.760
25	101 0	85.688	90.802	87.946	92.814	91.675	99.848	87.213	86.583	87.835	99.771
26	10130	86.791	88.290	79.234	89.214	92.166	99.940	82.170	80.716	86.807	99.726
27	111 0	86.976	89.742	85.277	87.898	92.166	99.906	83.112	83.076	88.166	99.669
28	11130	87.079	90.345	81.875	88.889	91.848	99.970	85.199	81.565	86.795	99.576
29	121 0	86.052	89.207	82.517	87.311	91.416	99.796	85.661	85.666	88.130	99.561
30	12130	86.904	89.577	82.635	87.746	89.896	99.866	85.849	85.915	83.505	99.269
31	131 0	86.959	89.046	83.597	87.899	89.915	99.760	85.631	86.561	86.679	99.190
32	13130	87.715	88.776	82.654	88.807	90.151	99.681	87.199	87.231	83.382	99.261
33	141 0	87.535	89.500	82.451	88.729	89.786	99.785	88.109	87.088	86.688	99.310
34	14130	86.525	89.500	88.059	88.420	90.271	99.427	89.765	87.088	82.680	98.805
35	151 0	85.772	88.065	83.538	88.660	90.975	99.557	88.198	86.576	82.656	98.805
36	15130	85.404	88.405	87.818	88.911	91.660	99.453	88.011	86.060	87.507	98.703
37	161 0	85.292	87.401	77.640	88.170	90.480	99.327	88.079	86.140	87.342	98.593
38	16130	86.826	87.183	82.711	88.268	89.977	99.261	87.830	86.500	82.777	98.275
39	171 0	86.077	86.671	80.112	88.618	89.118	98.876	87.164	86.610	87.750	95.897
40	17130	85.004	86.577	85.638	87.667	89.661	98.830	88.869	86.265	87.007	96.097
41	181 0	85.292	86.167	79.768	87.880	88.867	98.017	88.019	86.027	81.668	96.836
42	18130	83.049	85.950	86.850	88.916	88.861	97.205	88.500	86.991	85.178	96.997
43	191 0	82.047	85.126	83.653	90.615	88.678	96.786	88.897	81.617	82.510	95.093
44	19130	82.190	84.840	82.070	89.756	77.148	96.538	85.982	82.566	83.375	95.071
45	[illegible]	86.426	81.502	84.067	88.459	99.361	99.467	92.112	90.667	96.581	99.310

TITLE = CASE 2   DATE 86/10/20   TIME 10:39:1 9

CH. INDEX		211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 51	217 S= 52	218 S= 53	219 S= 54	220 S= 55
INITIAL		0.160	0.166	0.155	0.165	0.163	0.169	0.160	0.165	0.190	0.175
FINAL		0.159	0.149	0.140	0.163	0.162	0.158	0.152	0.161	0.188	0.173
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	100.000	100.049	100.019	100.018	100.041	100.030	99.987	99.996	99.986	100.091
3	01 0	99.787	100.055	100.019	100.010	99.565	99.976	100.069	100.000	99.212	99.155
4	01 0	99.814	100.026	100.006	100.025	99.822	100.067	100.075	100.012	99.680	99.532
5	01 0	99.657	100.167	100.315	100.039	99.687	100.030	100.090	100.018	99.401	99.583
6	0130	99.681	100.186	100.815	100.036	99.681	100.065	100.075	100.050	99.601	99.537
7	11 0	99.010	100.128	100.006	100.047	99.756	100.077	100.075	100.075	99.548	99.560
8	1130	99.750	89.562	98.589	100.061	99.736	100.089	100.069	100.010	99.438	99.572
9	21 0	96.787	86.770	99.664	100.047	96.781	91.060	98.675	99.665	99.553	99.583
10	2130	79.975	77.881	99.678	100.076	99.851	89.664	96.775	99.740	99.658	99.617
11	31 0	99.919	76.755	91.595	100.081	99.914	85.019	88.158	99.657	99.762	99.876
12	3130	100.150	75.810	79.961	100.055	100.227	81.352	85.133	99.680	100.286	100.356
13	41 0	100.113	78.766	91.766	100.081	100.140	82.212	77.991	99.728	100.118	100.240
14	4130	100.200	82.966	81.685	100.010	100.269	83.921	78.419	99.686	100.331	100.177
15	51 0	99.865	88.365	79.055	99.807	99.773	86.816	81.901	79.876	99.569	99.560
16	5130	99.906	85.675	92.210	99.927	99.640	86.091	48.088	80.253	99.637	99.560
17	61 0	99.850	86.876	80.662	99.075	99.652	88.883	91.305	81.153	99.763	99.817
18	6130	100.096	76.711	88.791	99.881	100.106	85.012	80.850	85.856	100.066	100.140
19	71 0	100.169	79.579	89.621	97.826	100.121	86.256	85.811	87.596	100.142	100.196
20	7130	100.151	80.778	85.861	98.669	100.069	85.145	79.910	87.881	100.196	100.240
21	81 0	100.051	81.579	85.177	99.241	100.057	85.659	86.548	86.672	99.906	100.217
22	8130	100.855	86.696	88.399	99.855	100.010	87.018	85.627	87.689	100.018	100.097
23	91 0	100.058	86.930	88.664	98.651	100.057	89.067	85.922	86.130	100.063	100.211
24	9130	100.096	82.961	87.166	97.606	100.655	88.981	87.126	86.609	99.893	100.200
25	101 0	99.031	76.156	86.210	97.625	97.906	95.131	87.566	86.590	99.757	100.906
26	10130	100.131	76.887	85.896	95.556	100.606	81.565	86.560	86.176	100.165	100.480
27	111 0	96.096	78.166	81.968	87.139	93.532	83.116	78.513	86.990	99.727	100.137
28	11130	100.269	75.695	86.602	96.907	100.315	83.181	81.156	86.761	100.067	100.876
29	121 0	99.757	78.292	86.566	96.961	97.666	86.686	81.292	85.702	98.856	99.789
30	12130	100.013	79.216	93.170	96.066	102.695	85.060	81.556	81.630	99.668	100.276
31	131 0	99.179	76.965	91.357	91.686	92.533	85.333	86.615	86.785	99.823	100.000
32	13130	99.731	80.350	86.577	96.965	99.775	86.727	85.325	85.625	99.001	99.572
33	141 0	99.862	81.095	85.219	86.958	99.516	85.556	81.609	86.768	99.605	100.140
34	14130	99.656	86.093	85.150	88.565	99.552	87.576	86.816	86.805	98.659	99.283
35	151 0	99.657	86.759	85.666	86.656	99.666	88.159	85.651	87.285	98.869	99.537
36	15130	99.663	86.776	81.686	86.527	99.163	88.535	87.606	86.162	96.771	98.952
37	161 0	99.299	86.851	85.906	86.011	98.615	86.987	80.690	85.669	97.216	97.881
38	16130	99.111	86.259	85.511	86.209	97.652	86.181	88.220	80.761	90.160	97.097
39	171 0	98.529	86.896	86.707	85.895	97.177	88.555	86.550	85.610	91.868	95.681
40	17130	97.777	82.031	87.518	82.876	96.162	88.367	88.153	81.615	89.031	95.470
41	181 0	96.638	83.671	86.962	82.998	95.628	87.730	83.658	81.670	98.715	96.687
42	18130	95.695	82.056	81.312	81.665	95.700	87.321	86.655	82.186	97.150	96.419
43	191 0	96.010	81.816	85.256	81.976	95.110	86.021	86.151	82.517	98.106	96.267
44	19130	95.105	80.309	87.576	82.128	96.520	86.618	85.678	87.677	91.176	93.253
45	69145	96.605	91.271	95.505	95.958	95.110	91.657	96.886	97.977	98.881	98.781

TITLE = CASE 2   DATE 86/10/20   TIME 10:39:1 9

CH. INDEX		221 S= 61	222 S= 62	223 S= 63	224 S= 71	225 S= 72	226 S= 81	227 S= 82	228 S= 83	229 S= 91	230 S= 92
INITIAL		0.179	0.165	0.160	0.165	0.167	0.163	0.174	0.167	0.167	0.166
FINAL		0.169	0.158	0.160	0.155	0.161	0.156	0.170	0.161	0.156	0.165
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	100.022	98.997	99.966	100.055	100.006	100.018	100.011	100.017	100.017	100.000
3	01 0	100.039	98.798	99.959	99.976	99.966	100.012	99.985	99.996	100.037	99.976
4	01 0	100.019	98.855	99.981	99.975	99.996	100.025	99.977	100.000	100.086	99.996
5	01 0	100.067	99.169	99.975	99.976	99.975	100.025	99.996	99.996	100.080	100.006
6	0130	100.055	99.987	100.315	99.986	99.981	100.055	100.017	100.017	100.069	100.017
7	11 0	100.112	99.668	99.962	100.031	99.986	100.061	100.023	100.019	100.068	100.018
8	1130	100.174	99.696	99.956	100.037	99.957	100.055	100.040	100.019	100.086	100.017
9	21 0	100.285	98.816	99.975	100.051	99.965	100.060	100.066	100.025	100.096	100.026
10	2130	98.656	90.861	100.000	100.010	99.951	100.055	100.057	100.037	100.069	100.036
11	31 0	83.671	97.867	98.956	95.137	99.065	100.080	100.065	100.069	100.076	100.062
12	3130	88.892	96.855	99.996	98.283	99.981	96.688	99.796	100.056	100.076	100.066
13	41 0	86.895	87.922	95.981	85.676	99.997	96.556	99.176	100.037	96.728	100.066
14	4130	85.576	89.670	100.015	81.686	99.975	87.706	97.686	100.025	96.700	100.072
15	51 0	86.606	81.875	100.015	79.979	96.666	86.296	95.952	100.019	80.505	99.958
16	5130	80.296	85.566	100.050	82.775	96.722	83.135	96.019	100.065	86.716	99.808
17	61 0	92.765	86.871	100.038	86.155	96.652	85.565	79.757	100.056	82.657	99.850
18	6130	91.552	87.256	100.069	87.566	99.066	87.391	81.665	100.062	86.227	99.751
19	71 0	88.539	91.411	100.281	88.817	96.147	88.601	82.965	100.056	85.185	99.166
20	7130	88.811	88.988	100.075	86.157	96.059	89.260	86.311	100.086	87.111	98.796
21	81 0	88.776	86.865	100.058	82.968	98.555	87.628	98.786	100.076	87.228	98.229
22	8130	88.578	86.981	100.058	82.597	96.878	85.616	88.165	100.068	86.255	95.363
23	91 0	89.925	86.257	100.088	83.876	96.961	86.701	87.307	100.056	85.625	97.051
24	9130	91.556	85.080	100.038	85.086	96.852	86.576	86.187	100.075	87.656	79.167
25	101 0	91.239	87.810	100.031	87.513	85.112	87.381	86.966	100.056	85.333	82.965
26	10130	89.590	86.556	100.031	86.665	86.656	86.650	85.765	100.025	86.277	77.165
27	111 0	86.087	87.655	100.013	85.619	85.651	86.582	87.678	100.031	86.767	77.365
28	11130	86.691	86.966	100.006	80.615	76.765	85.716	86.507	99.866	85.876	76.618
29	121 0	86.551	85.366	100.066	80.556	77.252	85.667	85.767	100.006	85.066	75.931
30	12130	87.871	83.291	100.013	80.756	80.665	85.761	86.950	99.996	83.651	76.100
31	131 0	86.152	86.156	99.817	81.951	80.617	85.026	86.057	99.877	80.920	81.156
32	13130	87.871	86.708	99.975	87.652	98.697	85.696	85.331	98.771	81.160	78.761
33	141 0	88.876	85.011	99.857	82.875	78.555	85.100	87.558	96.512	81.786	78.955
34	14130	86.961	86.908	99.869	85.282	78.912	86.757	81.666	98.656	87.700	78.748
35	151 0	90.662	86.656	89.510	86.187	86.195	85.982	86.618	97.560	82.358	79.058
36	15130	90.796	86.172	98.967	86.579	76.851	85.567	85.875	86.979	83.086	77.666
37	161 0	91.676	89.175	90.756	86.751	78.115	87.616	88.017	96.771	86.630	78.857
38	16130	89.997	89.085	97.696	87.679	78.974	86.681	85.936	98.517	85.616	78.880
39	171 0	98.908	88.822	97.539	87.156	78.159	89.688	87.678	95.887	85.981	75.686
40	17130	95.797	86.958	87.596	87.916	77.685	89.553	98.180	95.567	86.358	79.808
41	181 0	85.727	88.968	97.576	87.020	78.171	88.661	89.076	95.376	87.675	77.965
42	18130	90.882	86.688	87.695	86.810	77.967	88.982	88.626	95.065	87.727	77.111
43	191 0	88.612	88.561	97.037	86.706	76.796	88.510	86.950	95.275	87.925	76.601
44	19130	88.726	85.986	98.866	85.867	77.011	80.768	90.655	95.572	87.917	76.766
45	69145	91.887	95.987	97.956	86.965	80.566	95.665	97.715	99.675	96.905	99.879

TITLE = CASE 2   DATE 86/10/20   TIME 10:39:1 9

CH. INDEX		231 S=101	232 S=102	233 S=103	234 S=111	235 S=112	236 S=121	237 S=122	238 S=123	239 S=131	240 S=132
INITIAL		0.166	0.166	0.196	0.180	0.167	0.140	0.153	0.166	0.171	0.170
FINAL		0.140	0.163	0.196	0.177	0.166	0.136	0.151	0.165	0.168	0.169
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.030	100.000	100.000	100.000	100.000
2	01 0	100.012	100.006	100.022	100.022	100.006	100.021	100.007	99.996	100.000	100.018
3	01 0	100.026	100.012	100.018	100.033	100.018	99.700	100.007	99.862	100.012	100.023
4	01 0	100.016	100.016	100.033	99.996	100.018	99.807	100.007	99.868	100.029	100.041
5	01 0	100.050	100.026	100.315	100.039	100.026	99.807	100.007	99.910	100.053	100.053
6	0130	100.050	100.036	100.056	100.017	100.026	99.066	100.013	99.960	100.061	100.070
7	11 0	100.069	100.062	100.033	99.995	100.059	99.920	100.007	99.960	100.066	100.096
8	1130	100.055	100.062	100.060	100.033	100.070	99.886	100.020	99.960	100.095	100.111
9	21 0	100.055	100.056	100.071	100.066	100.076	99.929	100.013	99.936	100.128	100.135
10	2130	100.079	100.060	100.076	100.056	120.096	99.997	100.013	99.966	100.163	100.188
11	31 0	100.067	100.069	100.069	100.035	100.056	100.063	100.020	100.018	100.105	100.221
12	3130	100.075	100.072	100.062	100.067	100.062	100.229	100.026	100.078	100.216	100.252
13	41 0	100.061	100.066	100.069	100.065	100.066	103.216	100.026	100.056	100.276	100.340
14	4130	100.067	100.072	100.076	100.096	100.066	106.716	100.035	100.036	100.516	100.475
15	51 0	97.367	98.997	100.600	100.172	100.096	99.916	100.026	99.886	100.578	100.716
16	5130	86.901	99.620	100.109	100.105	100.060	100.900	100.020	99.956	100.595	100.720
17	61 0	86.169	89.269	100.120	99.365	100.056	103.199	100.019	100.006	100.560	100.765
18	6130	82.297	96.571	100.058	88.712	100.060	100.207	100.035	100.062	100.607	100.708
19	71 0	82.675	90.860	100.116	86.680	93.958	100.279	100.028	100.072	100.611	100.818
20	7130	83.970	87.661	100.116	78.801	99.958	99.111	99.061	100.072	100.631	100.792
21	81 0	86.295	85.016	100.062	76.556	98.866	76.721	99.726	100.086	100.601	100.740
22	8130	87.195	85.821	100.390	77.516	96.761	79.120	99.772	100.096	100.615	100.755
23	91 0	86.131	87.107	100.103	79.667	99.551	73.568	99.155	100.072	96.979	100.706
24	9130	86.652	91.102	100.136	80.723	99.051	73.676	98.603	100.078	91.165	100.997
25	101 0	81.683	86.655	100.067	86.662	91.557	75.015	97.225	100.016	91.908	99.671
26	10130	83.922	86.814	100.088	79.125	96.861	77.062	97.262	100.018	91.281	99.812
27	111 0	86.657	76.666	100.114	77.170	87.556	76.677	97.770	99.978	91.660	99.525
28	11130	86.219	87.559	100.130	76.656	85.926	76.577	97.631	99.561	91.701	98.752
29	121 0	85.966	86.962	100.033	77.668	85.866	77.190	97.666	98.860	91.606	95.993
30	12130	85.745	97.613	99.725	76.651	86.813	72.880	97.107	98.625	90.875	96.916
31	131 0	83.365	89.692	99.755	81.688	86.686	72.612	97.107	98.209	88.958	95.858
32	13130	82.212	88.526	98.960	79.061	86.279	76.362	97.201	98.155	89.812	96.986
33	141 0	80.900	86.770	97.656	77.766	91.577	75.161	97.225	97.065	90.857	93.675
34	14130	80.916	86.235	96.723	75.622	62.640	73.791	97.612	97.229	85.966	95.676
35	151 0	81.658	86.261	97.366	76.972	82.562	71.675	97.670	96.065	90.337	95.653
36	15130	82.268	86.817	96.125	76.083	86.630	69.630	97.683	96.666	90.116	91.727
37	161 0	82.516	85.502	95.700	75.596	81.766	60.910	97.255	96.821	89.129	95.566
38	16130	81.702	86.516	95.736	76.132	81.871	88.176	97.051	96.140	88.000	92.289
39	171 0	83.218	86.277	95.906	76.697	81.866	88.655	96.600	96.603	87.618	90.571
40	17130	86.592	87.739	95.667	76.003	82.966	70.139	96.966	97.163	87.360	91.997
41	181 0	87.624	88.000	99.656	76.287	83.193	70.025	96.851	95.709	87.325	90.683
42	18130	88.655	90.900	99.571	81.616	86.172	71.966	96.066	96.005	87.605	86.960
43	191 0	80.127	89.670	99.600	83.560	86.286	71.758	97.131	97.069	87.791	87.837
44	19130	86.250	90.260	99.750	81.615	80.767	77.098	97.053	96.952	88.109	86.769
45	69145	97.136	97.999	99.810	98.629	96.162	97.028	98.170	99.219	98.149	99.161

TITLE = CASE 2   DATE 86/10/20   TIME 10:39:1 9

CH. INDEX		250 V= 21	251 V= 22	252 V= 23	253 V= 24	254 V= 25	255 V= 26	256 V= 27	257 V= 28	258 V= 29	259 V= 71
INITIAL		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FINAL		0.009	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	01 0	0.002	0.0	0.002	0.0	0.002	0.0	0.0	0.0	0.002	0.0
4	01 0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0130	0.0	0.002	0.0	0.002	0.0	0.002	0.0	0.0	0.0	0.002
7	11 0	1.388	0.576	0.081	0.0	0.0	-0.101	-0.176	-0.119	0.0	0.0
8	1130	1.312	0.567	0.009	0.0	0.0	-0.106	-0.217	-0.148	0.0	0.0
9	21 0	1.336	0.562	0.002	0.0	0.0	-0.120	-0.110	-0.055	0.002	0.0
10	2130	1.142	0.535	0.0	0.0	0.0	-0.167	-0.178	-0.129	0.0	0.0
11	31 0	1.299	0.605	0.0	0.0	0.0	-0.079	-0.178	-0.176	0.0	0.666
12	3130	1.279	0.567	0.003	0.0	0.0	0.0	-0.068	0.0	-0.005	0.705
13	41 0	1.455	0.618	0.0	0.0	0.0	-0.080	-0.167	-0.089	0.0	0.755
14	4130	1.565	0.756	0.009	0.0	0.0	-0.251	-0.298	-0.298	0.002	0.751
15	51 0	1.271	0.667	0.015	0.0	0.0	-0.217	-0.291	-0.259	0.0	0.758
16	5130	1.275	0.900	0.115	0.0	0.0	-0.261	-0.261	-0.226	0.0	0.855
17	61 0	1.616	0.856	0.131	0.002	0.0	-0.269	-0.311	-0.282	0.0	0.877
18	6130	1.399	0.652	0.096	0.0	0.0	-0.386	-0.502	-0.365	-0.179	1.103
19	71 0	1.657	0.695	0.018	0.0	0.0	-0.329	-0.432	-0.377	-0.327	0.972
20	7130	1.326	0.567	0.0	0.0	0.0	-0.361	-0.428	-0.369	-0.368	0.709
21	81 0	1.576	0.607	0.0	0.0	0.0	-0.375	-0.498	-0.406	-0.373	0.708
22	8130	1.207	0.656	0.0	0.0	0.0	-0.372	-0.421	-0.389	-0.409	0.855
23	91 0	1.511	0.798	0.0	0.0	0.0	-0.315	-0.375	-0.382	-0.408	0.722
24	9130	1.293	0.722	0.003	0.0	0.0	-0.381	-0.430	-0.377	-0.396	0.936
25	101 0	1.605	0.768	0.0	0.002	0.0	-0.297	-0.415	-0.375	-0.407	0.851
26	10130	1.181	0.776	0.0	0.0	0.0	-0.510	-0.387	-0.370	-0.432	0.966
27	111 0	1.367	0.662	0.0	0.0	0.0	-0.280	-0.406	-0.409	-0.466	1.075
28	11130	1.616	0.698	0.0	0.0	0.0	-0.287	-0.425	-0.360	-0.367	1.035
29	121 0	1.306	0.762	0.0	0.0	0.0	-0.236	-0.306	-0.408	-0.470	0.876
30	12130	1.285	0.709	0.003	0.0	0.0	-0.316	-0.433	-0.466	-0.468	0.862
31	131 0	1.662	0.668	0.0	0.0	0.0	-0.316	-0.435	-0.360	-0.358	0.861
32	13130	1.671	0.695	0.0	0.0	0.0	-0.346	-0.372	-0.336	-0.337	1.022
33	141 0	1.556	0.600	0.0	0.0	0.0	-0.366	-0.387	-0.406	-0.455	0.965
34	14130	1.191	0.680	0.0	0.0	0.0	-0.356	-0.408	-0.475	-0.456	1.010
35	151 0	1.130	0.766	0.022	0.0	0.0	-0.286	-0.368	-0.337	-0.415	0.966
36	15130	1.761	0.703	0.101	0.0	0.0	-0.279	-0.372	-0.306	-0.437	0.967
37	161 0	1.166	0.608	0.0	0.0	0.0	-0.296	-0.375	-0.406	-0.468	0.992
38	16130	1.205	0.618	0.0	0.0	0.0	-0.292	-0.407	-0.432	-0.428	0.886
39	171 0	1.145	0.712	0.0	0.0	0.0	-0.236	-0.451	-0.406	-0.330	0.906
40	17130	1.075	0.769	0.0	0.202	0.0	-0.298	-0.456	-0.387	-0.346	0.808
41	181 0	1.976	0.575	0.002	0.0	0.0	-0.289	-0.366	-0.606	-0.400	0.811
42	18130	1.017	0.569	0.051	0.0	0.0	-0.261	-0.377	-0.375	-0.445	0.777
43	191 0	0.850	0.566	0.191	0.0	0.0	-0.236	-0.170	-0.351	-0.440	0.829
44	19130	0.757	0.556	0.225	0.0	0.0	-0.240	-0.205	-0.277	-0.380	0.710
45	69145	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TITLE = CASE 2 DATE [illegible] TIME [illegible]

CH. INDEX		260 V= 72	261 V= 73	262 V= 74	263 V=121	264 V=122	265 V=123	266 V=124
INITIAL		0.0	0.0	0.0	0.0	0.0	0.0	0.0
FINAL		0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	[illegible]	0.0		0.0	0.0	0.0	0.0	0.0
2	[illegible]	0.0		0.3	0.0	0.0	0.0	0.0
3	[illegible]	0.003		0.002	0.3	0.0	0.0	0.002
4	[illegible]	0.2		0.0	0.0	0.0	0.0	0.0
5	[illegible]	0.0		0.0	0.0	0.0	0.0	0.0
6	[illegible]	0.0		0.0	0.002	0.0	0.002	0.0
7	[illegible]	0.002		0.0	0.0	0.052	0.0	0.002
8	[illegible]	0.392		0.0	0.0	0.0	0.0	0.002
9	[illegible]	0.0		0.002	0.0	0.0	0.0	0.0
10	[illegible]	0.0		0.0	0.0	0.0	0.0	0.0
11	[illegible]	0.005		0.0	0.0	0.0	0.0	0.0
12	[illegible]	0.0		0.0	0.0	0.0	0.0	0.0
13	[illegible]	0.0		0.0	0.0	0.002	0.0	0.0
14	[illegible]	0.0		-0.003	0.0	0.0	0.0	0.0
15	[illegible]	0.0		0.0	0.0	0.0	0.0	0.0
16	[illegible]	0.054		0.0	0.0	0.0	0.0	0.0
17	[illegible]	0.200		-0.297	0.002	0.0	0.002	0.0
18	[illegible]	0.173		-0.299	0.002	0.0	0.0	0.0
19	[illegible]	0.322		-0.350	0.0	0.0	0.0	0.0
20	[illegible]	0.505		-0.393	0.006	0.0	0.0	-0.005
21	[illegible]	0.294		-0.291	0.455	0.0	0.0	0.0
22	[illegible]	0.145		-0.573	0.650	0.0	0.0	0.0
23	[illegible]	0.227		-0.536	0.667	0.0	0.0	0.0
24	[illegible]	0.296		-0.518	0.611	0.0	0.0	0.0
25	[illegible]	0.366		-0.356	0.661	0.0	0.032	0.0
26	[illegible]	0.321		-0.424	0.557	0.0	0.0	0.0
27	[illegible]	0.323		-0.423	0.631	0.0	0.0	-0.205
28	[illegible]	0.321		-0.471	0.576	0.0	0.0	-0.215
29	[illegible]	0.353		-0.504	0.605	0.0	0.0	-0.241
30	[illegible]	0.279		-0.423	0.645	0.0	-0.036	-0.395
31	[illegible]	0.321		-0.519	0.549	0.0	-0.236	-0.550
32	[illegible]	0.354		-0.466	0.650	0.001	-0.141	-0.568
33	[illegible]	0.306		-0.480	0.557	0.0	-0.263	-0.591
34	[illegible]	0.323		-0.421	0.447	0.0	-0.262	-0.575
35	[illegible]	0.350		-0.513	0.471	0.0	-0.208	-0.727
36	[illegible]	0.366		-0.466	0.542	0.002	-0.132	-0.758
37	[illegible]	0.365		-0.526	0.666	0.0	-0.195	-0.379
38	[illegible]	0.306		-0.565	0.556	0.0	-0.203	-0.575
39	[illegible]	0.370		-0.582	0.656	0.026	-0.196	-0.296
40	[illegible]	0.572		-0.571	0.566	0.0	-0.332	-0.608
41	[illegible]	0.335		-0.468	0.578	0.012	-0.205	-0.553
42	[illegible]	0.335		-0.467	0.570	0.0	-0.323	-0.611
43	[illegible]	0.300		-0.363	0.619	0.002	-0.225	-0.618
44	[illegible]	0.355		-0.619	0.541	0.0	-0.210	-0.606
45	[illegible]	0.0		0.0	0.0	0.0	0.0	0.0

実験No. 3

TITLE = CASE 3 (B) DATE 86/10/20 TIME 12:54:40

CH. INDEX		101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		19.400	20.100	18.600	18.307	17.800	17.000	17.900	17.500	17.400	19.100
FINAL		22.100	22.300	21.000	20.600	20.000	19.900	19.400	19.100	19.000	22.300
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	-0.100	0.100	0.100	0.100	0.0	0.0	0.0	0.0	0.0
3	0: 0	0.0	-0.200	0.200	0.200	0.100	-0.100	0.0	0.0	0.0	0.0
4	0: 0	0.0	-0.200	0.200	0.200	0.100	-0.100	0.100	0.0	0.0	0.400
5	0: 0	2.300	-0.100	0.100	0.193	0.100	-0.100	0.100	0.0	0.0	0.300
6	0:30	29.100	23.700	16.400	7.600	2.300	0.100	0.200	0.100	0.0	0.100
7	1: 0	59.600	49.100	42.900	20.000	5.600	0.700	0.300	0.200	0.100	36.900
8	1:30	83.200	55.700	51.100	36.600	9.100	1.100	0.400	0.300	0.200	49.200
9	2: 0	106.500	59.203	55.200	41.600	10.000	1.700	0.700	0.900	0.300	49.900
10	2:30	120.100	65.300	60.600	47.800	14.600	2.600	0.700	0.900	0.400	53.600
11	3: 0	136.100	71.603	65.900	50.200	20.000	2.600	0.800	0.700	0.500	57.900
12	3:30	138.600	76.500	76.609	61.600	24.930	4.900	1.000	0.800	0.600	66.500
13	4: 0	147.000	83.600	80.600	69.000	32.600	17.300	1.600	1.000	0.700	72.200
14	4:30	156.900	89.600	88.600	71.700	35.900	22.600	2.900	1.300	0.900	74.700
15	5: 0	162.200	92.800	90.100	78.900	39.200	27.200	3.700	1.600	0.900	80.300
16	5:30	169.900	97.100	96.500	83.000	41.100	29.300	5.600	2.000	1.000	85.400
17	6: 0	175.100	101.600	95.900	86.700	45.000	31.100	7.900	2.700	1.100	86.100
18	6:30	178.100	103.200	98.700	87.600	48.600	33.100	14.200	3.300	1.200	87.400
19	7: 0	184.100	102.600	100.100	89.600	52.400	36.600	16.600	3.700	1.300	91.100
20	7:30	187.500	104.000	102.400	91.300	54.900	37.000	19.300	4.100	1.400	90.300
21	8: 0	192.600	106.700	105.700	93.600	56.603	38.000	18.200	4.500	1.500	92.900
22	8:30	197.300	111.000	107.800	96.500	59.600	39.800	21.600	4.500	1.700	95.500
23	9: 0	201.600	111.100	107.200	96.500	66.100	40.900	23.400	5.700	1.800	97.300
24	9:30	203.900	113.600	109.600	97.600	58.600	42.600	25.300	6.700	1.800	98.200
25	10: 0	206.009	114.900	111.600	100.700	59.150	44.100	27.600	8.600	1.900	99.500
26	10:30	209.000	116.500	112.900	100.600	60.700	44.700	25.600	8.500	2.000	102.300
27	11: 0	209.700	117.900	112.900	99.000	61.900	46.500	25.900	10.000	2.000	101.200
28	11:30	211.900	116.900	113.700	101.200	62.600	46.900	24.300	11.300	2.000	103.300
29	12: 0	213.300	118.600	116.700	101.500	67.700	47.300	25.600	11.300	2.100	103.700
30	12:30	214.600	121.300	117.300	103.700	63.600	49.200	26.600	12.100	2.200	106.300
31	13: 0	218.200	122.000	117.900	106.000	61.700	50.100	27.500	12.100	2.600	104.700
32	13:30	221.000	123.900	119.700	106.700	61.200	51.600	27.200	12.900	2.600	107.200
33	14: 0	223.500	125.100	126.100	106.900	66.000	52.700	29.600	13.300	2.800	108.300
34	14:30	225.000	126.700	121.300	107.600	66.600	53.000	28.100	14.500	3.700	109.600
35	15: 0	227.600	126.600	121.700	106.600	63.900	51.600	26.700	11.700	4.000	108.600
36	15:30	226.900	122.200	120.600	130.203	66.300	50.000	30.300	13.500	3.600	109.700
37	16: 0	226.600	121.600	119.200	107.600	66.900	50.600	28.700	14.800	3.900	109.300
38	16:30	220.133	118.600	115.900	105.600	66.900	50.100	31.000	14.100	4.700	106.000
39	17: 0	211.600	114.200	112.600	102.900	66.600	50.900	30.200	15.900	4.900	102.300
40	17:30	201.300	106.600	105.600	97.100	66.600	49.100	28.000	14.600	5.000	98.900
41	18: 0	199.100	106.130	99.303	91.503	62.500	48.800	27.100	15.600	4.600	85.000
42	18:30	175.600	92.100	91.500	86.993	54.900	46.100	25.300	13.200	4.100	86.900
43	19: 0	162.303	86.000	83.500	76.600	55.100	44.900	24.600	12.000	4.200	80.100
44	19:30	148.603	75.600	75.200	70.000	51.000	42.600	22.600	12.300	4.100	72.700
45	21:30	2.700	2.200	2.600	2.650	2.200	2.100	1.900	1.600	1.600	3.200

TITLE = CASE 3 DATE 86/10/20 TIME 12:54:40

CH. INDEX		111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		18.600	18.100	17.900	17.600	17.300	17.500	17.500	19.100	18.100	17.400
FINAL		20.900	20.900	19.200	19.100	19.000	19.100	19.100	21.600	19.800	19.000
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.0	0.100	0.0	0.100	0.0	0.0	-0.100	0.0	0.0
3	0: 0	0.0	0.100	0.200	0.100	0.0	0.100	0.0	-0.200	0.0	0.0
4	0: 0	0.100	0.100	0.200	0.100	0.130	0.100	0.0	-0.250	0.0	0.0
5	0: 0	0.0	0.0	0.200	0.0	0.0	0.100	0.100	-0.200	0.0	0.0
6	0:30	0.130	0.100	0.600	0.0	0.0	0.100	0.100	-0.200	0.100	0.100
7	1: 0	36.900	11.630	0.100	0.530	0.200	0.100	0.100	2.600	4.000	1.800
8	1:30	50.600	22.600	12.500	0.830	0.630	0.200	0.200	20.600	16.100	6.800
9	2: 0	66.200	29.600	19.200	1.600	1.000	0.200	0.200	28.600	24.700	12.000
10	2:30	68.900	36.100	24.300	1.660	1.200	0.300	0.300	36.300	31.300	17.000
11	3: 0	53.200	49.100	29.900	2.600	1.600	0.400	0.600	39.000	36.800	21.600
12	3:30	56.700	63.700	36.000	4.200	1.700	0.900	0.900	49.500	41.600	29.800
13	4: 0	65.503	90.500	60.900	8.200	2.900	0.600	0.700	48.600	47.000	30.700
14	4:30	70.200	54.500	65.200	17.900	4.100	0.700	0.800	54.300	52.600	35.700
15	5: 0	74.003	58.400	68.000	27.200	5.600	0.900	0.900	57.000	56.700	40.200
16	5:30	77.303	61.600	50.100	31.600	7.700	1.200	1.000	61.100	60.300	44.300
17	6: 0	78.103	64.000	57.500	43.100	9.100	1.500	1.100	64.300	63.000	48.100
18	6:30	87.600	67.200	55.600	55.102	10.600	1.900	1.200	67.200	66.300	51.300
19	7: 0	88.673	68.903	57.600	57.503	16.100	2.600	1.300	69.100	68.600	56.100
20	7:30	86.100	70.700	61.003	56.900	19.700	2.900	1.500	70.600	70.500	56.600
21	8: 0	88.200	72.700	61.700	58.600	18.200	3.200	1.600	72.200	71.800	58.600
22	8:30	90.200	76.100	63.600	59.300	19.200	3.700	1.700	73.200	73.700	60.800
23	9: 0	92.000	79.300	66.603	63.001	20.603	3.600	1.900	75.700	75.000	63.000
24	9:30	92.700	77.300	68.600	62.700	21.030	3.600	1.900	77.000	77.000	64.300
25	10: 0	95.600	78.330	68.600	63.600	25.600	3.800	2.100	78.800	78.000	66.600
26	10:30	96.903	79.500	68.600	66.100	22.600	4.200	2.300	79.600	79.000	67.700
27	11: 0	96.600	80.600	69.300	66.100	22.200	4.300	2.300	80.600	81.000	69.000
28	11:30	97.547	81.300	69.605	66.600	22.600	4.900	2.600	81.800	81.600	70.300
29	12: 0	98.600	81.700	70.600	66.603	24.700	5.700	2.900	82.500	82.700	71.200
30	12:30	101.600	81.700	71.700	66.600	25.700	5.700	2.600	83.500	85.900	72.300
31	13: 0	101.200	85.600	72.600	67.900	26.200	6.200	2.800	86.600	85.000	75.600
32	13:30	104.200	86.600	73.200	68.900	27.200	7.200	3.000	86.600	86.000	76.200
33	14: 0	105.100	86.200	74.900	67.900	28.600	8.600	3.300	85.600	86.900	75.300
34	14:30	106.600	86.700	74.600	67.003	27.700	9.300	3.700	86.700	87.800	76.100
35	15: 0	106.000	87.503	74.900	60.700	26.930	9.600	4.000	81.100	89.000	77.100
36	15:30	106.900	87.600	76.300	50.630	26.600	9.500	4.100	88.600	88.300	77.900
37	16: 0	105.200	86.800	76.300	53.050	26.600	9.800	4.600	87.600	88.100	78.200
38	16:30	102.000	85.503	76.300	53.200	26.300	10.600	4.600	87.200	88.600	77.900
39	17: 0	99.503	85.100	71.900	53.203	27.700	10.800	4.900	85.600	87.100	77.600
40	17:30	95.100	87.200	71.300	51.903	26.700	11.330	5.000	81.600	85.100	76.600
41	18: 0	90.000	76.600	68.900	50.703	26.600	10.730	5.100	80.600	82.100	75.590
42	18:30	81.903	73.900	65.250	48.100	26.900	10.500	5.100	77.100	78.600	73.600
43	19: 0	77.500	69.130	62.130	46.600	25.200	9.700	5.100	72.000	76.600	70.800
44	19:30	70.000	66.903	57.600	46.300	25.900	9.600	5.000	68.900	70.000	67.700
45	21:30	2.900	1.900	1.700	1.703	1.700	1.600	1.600	2.500	1.700	1.600

TITLE = CASE 3 DATE 86/10/20 TIME 12:54:40

CH. INDEX		121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 38	126 T= 41	127 T= 42	128 T= 43	129 T= 44	130 T= 51
INITIAL		17.400	17.300	17.100	17.100	17.000	19.300	17.300	17.100	16.800	18.600
FINAL		19.100	18.900	18.700	18.700	18.700	21.700	18.900	18.900	18.600	20.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	0.0	0.100	0.0
3	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.100	0.0
4	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.100
5	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.200	0.100
6	0:30	0.150	0.0	0.100	0.0	0.100	0.0	0.100	0.100	0.200	0.100
7	1: 0	0.600	0.100	0.100	0.0	0.100	0.100	0.100	0.0	0.200	0.100
8	1:30	2.300	0.400	0.200	0.100	0.100	21.400	9.000	0.200	0.700	7.500
9	2: 0	6.400	0.800	0.300	0.200	0.200	29.900	17.800	0.800	0.300	12.500
10	2:30	7.200	1.500	0.400	0.400	0.300	32.900	23.600	1.600	0.300	16.500
11	3: 0	9.900	2.100	0.600	0.600	0.300	36.200	27.000	2.000	0.400	21.800
12	3:30	12.900	2.900	0.600	0.500	0.400	40.100	30.300	2.600	0.400	26.900
13	4: 0	16.000	4.600	0.800	0.600	0.500	44.300	36.700	3.500	0.500	30.000
14	4:30	19.600	6.700	1.100	0.700	0.600	48.100	39.700	7.600	0.600	34.700
15	5: 0	25.000	9.700	1.500	0.900	0.600	52.400	42.100	12.500	0.700	38.200
16	5:30	27.600	12.100	2.200	1.000	0.700	56.000	45.500	18.200	0.800	41.300
17	6: 0	31.200	15.600	3.100	1.200	0.800	58.700	48.500	21.900	0.900	46.200
18	6:30	34.600	16.600	4.300	1.600	0.900	60.700	50.600	24.300	1.000	46.400
19	7: 0	37.300	18.600	6.600	1.700	1.600	62.000	57.600	27.600	1.200	48.100
20	7:30	39.600	20.600	6.600	2.100	1.100	63.600	55.900	30.100	1.300	50.100
21	8: 0	41.700	22.900	9.600	2.200	1.100	63.500	56.600	31.600	1.600	51.600
22	8:30	43.600	24.100	10.700	2.900	1.200	66.100	56.500	33.000	1.600	52.900
23	9: 0	45.600	25.600	12.900	2.900	1.200	67.100	56.900	36.600	1.600	54.300
24	9:30	47.600	27.100	14.300	3.100	1.100	66.500	57.400	36.000	1.800	55.900
25	10: 0	49.900	28.900	15.800	3.900	1.500	70.200	61.100	37.000	2.100	57.200
26	10:30	50.300	29.900	17.000	4.100	1.500	70.600	62.100	37.700	2.200	58.100
27	11: 0	51.900	31.100	18.000	4.600	1.500	71.700	65.500	38.300	2.600	59.200
28	11:30	52.900	32.600	19.300	5.000	1.600	72.500	65.600	39.100	2.700	59.900
29	12: 0	54.903	33.100	20.100	5.300	1.600	74.000	66.600	39.900	3.200	61.200
30	12:30	55.603	33.700	21.000	5.600	1.700	74.900	66.700	40.600	3.700	61.700
31	13: 0	56.700	36.900	21.700	6.000	2.300	75.700	66.700	41.000	4.300	62.300
32	13:30	56.600	35.900	22.300	6.900	2.900	75.900	66.700	41.500	5.700	62.700
33	14: 0	57.600	36.300	22.900	7.100	2.700	76.800	67.000	41.600	6.000	63.900
34	14:30	58.200	37.000	22.700	7.600	3.200	78.100	68.600	41.700	6.000	64.500
35	15: 0	59.200	37.600	22.700	7.500	3.200	79.900	69.500	42.100	6.100	65.200
36	15:30	59.903	38.200	23.300	8.800	3.200	79.600	70.600	43.000	6.500	66.200
37	16: 0	60.600	38.600	24.100	8.500	3.500	78.900	70.000	43.300	7.000	66.400
38	16:30	60.000	39.000	24.700	9.000	3.700	78.200	69.500	43.600	7.600	66.400
39	17: 0	60.900	39.200	25.000	9.600	4.200	78.900	68.900	43.200	7.800	66.100
40	17:30	60.603	39.600	24.600	9.900	4.200	75.000	67.500	42.500	7.600	65.100
41	18: 0	60.100	39.500	24.300	9.600	4.600	71.600	65.700	41.600	7.600	63.700
42	18:30	60.900	39.200	23.600	9.600	3.900	67.600	63.600	40.300	7.200	61.700
43	19: 0	57.600	38.700	23.500	9.263	3.900	64.600	60.600	39.500	7.600	59.600
44	19:30	55.600	38.100	23.600	9.100	4.260	60.300	57.300	37.600	7.900	56.700
45	21:30	1.600	1.600	1.600	1.600	1.700	2.600	1.500	1.600	1.800	2.100

TITLE = CASE 3 DATE 86/10/20 TIME 12:54:40

CH. INDEX		131 T= 52	132 T= 53	133 T= 54	134 T= 55	135 T= 61	136 T= 62	137 T= 63	138 T= 64	139 T= 71	140 T= 72
INITIAL		17.700	16.600	16.600	16.600	16.300	17.000	16.600	16.600	17.900	16.900
FINAL		19.600	18.700	18.700	18.500	20.600	18.000	18.500	18.500	20.600	18.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.100	0.100	0.100	0.100	0.100	0.0	0.100	-0.100	0.100	0.100
3	0: 0	0.200	0.100	0.100	0.150	0.200	0.0	0.0	0.0	0.100	0.200
4	0: 0	0.200	0.200	0.100	0.100	0.200	0.0	0.100	0.0	0.200	0.200
5	0: 0	0.300	0.250	0.100	0.100	0.200	0.0	0.100	0.100	0.200	0.100
6	0:30	0.150	0.200	0.0	0.100	0.200	0.100	0.100	0.0	0.400	0.300
7	1: 0	0.405	0.300	0.250	0.100	0.400	0.100	0.100	0.0	0.400	0.700
8	1:30	2.600	0.700	0.200	0.200	0.600	0.200	0.100	0.0	0.500	1.000
9	2: 0	7.900	5.601	0.200	0.200	0.520	3.600	0.100	0.100	0.900	1.100
10	2:30	12.900	9.200	0.300	0.200	17.900	7.700	0.300	0.100	9.200	6.900
11	3: 0	17.600	15.300	0.500	3.200	21.600	12.600	1.600	0.100	15.100	11.700
12	3:30	21.050	18.700	0.700	0.200	26.100	15.900	1.700	0.200	18.000	16.100
13	4: 0	25.600	21.700	0.900	0.300	28.600	18.600	3.100	0.200	20.200	19.900
14	4:30	29.200	25.900	1.100	0.390	30.630	21.900	6.500	0.200	22.900	21.900
15	5: 0	33.000	29.200	1.700	0.600	34.600	25.800	10.100	0.300	26.600	26.100
16	5:30	37.000	32.200	2.100	0.603	36.900	28.600	13.900	0.600	28.800	28.300
17	6: 0	46.200	35.200	3.100	0.600	39.700	31.700	17.200	0.600	31.600	31.100
18	6:30	43.030	37.330	5.600	0.500	41.500	33.500	20.900	0.600	33.700	33.900
19	7: 0	45.903	39.200	6.500	0.600	42.500	36.800	22.200	0.600	36.900	36.900
20	7:30	47.100	40.600	9.200	0.600	44.600	38.600	25.900	0.700	36.600	38.400
21	8: 0	50.900	42.100	12.600	0.600	46.200	38.000	26.600	0.800	37.500	37.800
22	8:30	53.100	43.000	14.300	0.600	46.200	39.900	27.300	1.000	38.700	39.700
23	9: 0	52.300	44.600	16.700	0.700	46.600	40.900	28.500	1.600	39.700	40.900
24	9:30	53.600	46.000	11.000	0.300	48.900	42.200	29.600	1.700	42.100	41.700
25	10: 0	55.100	47.000	17.900	0.600	49.600	43.100	30.700	1.900	41.800	42.600
26	10:30	56.600	47.900	10.600	0.600	51.100	43.900	31.600	2.700	42.500	43.300
27	11: 0	57.250	48.600	14.900	0.700	51.900	45.000	32.200	2.700	43.600	44.200
28	11:30	57.900	49.700	20.100	1.600	52.100	45.900	32.500	3.600	44.200	45.000
29	12: 0	59.203	50.300	22.100	1.600	53.900	46.900	33.600	4.100	44.900	45.900
30	12:30	60.600	51.000	22.600	1.300	56.200	47.100	34.600	5.100	45.900	47.100
31	13: 0	60.900	51.600	23.200	1.700	55.900	47.300	36.600	6.100	46.100	46.700
32	13:30	61.600	52.200	23.100	2.206	55.100	48.200	36.600	6.600	47.500	48.100
33	14: 0	62.600	52.830	20.600	2.600	56.300	48.900	36.200	6.100	47.700	48.100
34	14:30	63.100	55.600	18.700	2.600	57.500	50.100	35.100	6.000	48.300	49.000
35	15: 0	64.000	56.200	22.300	2.600	56.300	50.700	36.000	6.700	49.300	49.600
36	15:30	65.000	55.020	23.600	2.600	59.100	51.700	37.100	7.300	50.000	51.300
37	16: 0	65.600	55.200	22.600	3.100	59.103	51.900	36.900	7.900	50.600	51.200
38	16:30	65.350	55.600	22.100	3.900	56.100	51.900	36.600	8.000	50.600	51.600
39	17: 0	66.930	56.600	21.100	3.330	56.600	51.900	36.600	7.600	50.000	51.600
40	17:30	66.300	56.900	20.700	3.200	57.600	51.600	36.600	7.300	49.600	51.100
41	18: 0	65.600	55.600	20.900	3.000	56.500	51.100	36.000	6.000	49.500	50.600
42	18:30	61.900	52.950	21.100	3.200	55.600	50.600	35.700	7.500	48.600	49.700
43	19: 0	56.703	50.600	20.100	3.030	51.600	49.200	33.600	7.700	46.600	47.900
44	19:30	57.203	45.600	18.600	3.300	49.600	48.000	32.300	7.500	46.500	46.000
45	21:30	1.700	1.600	1.900	1.700	2.000	1.600	1.700	1.700	2.500	2.000

TITLE = CASE 3   DATE 86/10/28   TIME 12:54:40

CH. INDEX		141 T= 73	142 T= 74	143 T= 75	144 T= 81	145 T= 82	146 T= 83	147 T= 84	148 T= 91	149 T= 92	150 T= 93
INITIAL		16.800	16.800	16.700	17.600	16.800	16.700	16.700	17.400	16.800	16.500
FINAL		16.500	18.600	18.600	19.760	18.600	18.400	18.400	19.500	18.800	18.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 [illegible]	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	0.0
3	01 [illegible]	0.100	0.0	0.0	0.100	0.0	0.0	0.0	0.0	-0.100	0.0
4	01 [illegible]	0.0	0.0	0.0	0.100	0.0	0.0	0.0	0.0	-0.100	0.0
5	01 [illegible]	-0.100	0.0	0.0	0.100	0.0	0.0	0.100	0.0	-0.100	0.0
6	0130	0.100	0.0	0.100	0.200	0.0	0.0	0.100	0.0	0.0	0.0
7	11 0	0.100	0.100	0.100	0.300	0.100	0.0	0.100	0.0	0.100	0.0
8	1130	0.0	0.100	0.100	0.400	0.200	0.100	0.100	0.100	0.100	0.0
9	21 0	0.100	0.100	0.200	0.600	0.200	0.100	0.100	0.100	0.400	0.0
10	2130	0.500	0.100	0.200	0.800	0.500	0.100	0.200	0.200	0.400	0.0
11	31 0	2.600	0.200	0.100	8.500	3.300	0.100	0.200	0.700	0.900	0.0
12	3130	5.900	0.500	0.100	12.400	6.100	0.400	0.200	3.700	5.000	0.600
13	41 0	9.400	0.600	0.200	15.000	9.100	1.100	0.200	6.000	9.200	2.100
14	4130	11.900	0.500	0.200	18.800	11.500	3.000	0.300	9.000	11.700	5.200
15	51 0	15.500	0.700	0.300	19.900	13.700	5.600	0.600	11.000	13.600	7.600
16	5130	17.900	1.400	0.100	22.600	16.600	7.300	0.500	13.800	16.600	10.700
17	61 0	20.600	2.000	0.300	24.700	18.500	10.300	0.700	15.900	19.500	12.900
18	6130	23.600	2.700	0.400	27.500	21.300	12.100	0.700	17.800	21.300	15.300
19	71 0	25.000	3.000	0.500	28.600	23.600	14.300	0.900	19.700	23.600	16.700
20	7130	26.300	4.000	0.600	28.700	25.000	15.800	1.300	21.000	24.500	18.600
21	81 0	27.500	8.700	0.600	30.600	26.700	17.200	1.600	22.100	25.600	19.600
22	8130	29.200	8.000	0.600	31.600	27.900	18.300	2.100	23.300	27.700	20.800
23	91 0	30.300	9.300	0.700	32.000	29.100	19.800	2.600	24.300	28.200	21.900
24	9130	32.000	10.700	0.700	34.300	30.600	21.500	2.800	25.500	29.600	23.300
25	101 0	32.800	11.900	0.800	35.300	31.600	22.800	3.600	26.700	30.600	24.500
26	10130	33.500	12.100	0.900	35.500	32.500	23.500	3.800	27.700	31.300	25.300
27	111 0	34.300	12.900	0.800	36.500	35.600	24.200	4.600	28.600	32.100	26.000
28	11130	36.700	13.800	1.100	36.700	36.600	24.700	5.700	28.100	32.700	26.600
29	121 0	35.500	14.600	1.500	36.800	36.800	25.600	6.600	29.000	33.600	27.200
30	12130	36.500	15.700	2.100	36.300	35.900	26.300	7.500	30.600	34.000	27.900
31	131 0	36.800	16.500	2.800	38.500	36.700	26.600	7.000	31.100	34.600	28.700
32	13130	37.100	16.800	3.200	39.800	36.700	26.900	7.600	31.600	35.100	28.900
33	141 0	37.500	15.600	3.000	40.400	37.800	27.800	8.300	32.300	35.800	29.600
34	14130	38.100	16.800	3.200	41.100	38.100	27.800	9.200	33.000	36.600	29.800
35	151 0	38.900	17.100	3.700	41.900	39.600	28.200	9.800	33.600	37.000	30.400
36	15130	39.600	17.800	4.200	42.800	40.000	28.900	10.300	34.600	37.700	31.000
37	161 0	40.100	17.900	4.700	43.100	40.600	29.300	10.200	35.000	38.400	31.600
38	16130	40.900	17.200	4.600	43.700	40.000	29.400	10.000	35.300	38.900	32.000
39	171 0	40.900	16.900	4.200	43.700	40.700	28.900	10.000	35.600	39.100	32.200
40	17130	40.800	16.700	3.800	43.700	40.800	29.100	9.900	35.600	39.800	32.500
41	181 0	40.800	17.000	4.200	41.800	41.000	29.200	10.200	35.800	38.800	32.500
42	18130	39.500	17.200	4.800	41.800	40.600	29.000	10.500	35.200	38.200	32.700
43	191 0	38.700	16.800	4.700	40.900	40.100	28.600	10.500	35.100	37.800	32.200
44	19130	37.500	15.700	4.700	37.900	39.200	27.700	10.200	34.900	37.200	31.700
45	21130	1.700	1.800	1.700	2.100	2.040	1.700	1.700	2.100	2.000	1.900

TITLE = CASE 3   DATE 86/10/28   TIME 12:54:40

CH. INDEX		151 T= 94	152 T= 95	153 T=101	154 T=102	155 T=103	156 T=104	157 T=111	158 T=112	159 T=113	160 T=114
INITIAL		16.500	16.600	17.300	16.600	16.500	16.500	16.600	16.600	16.300	16.300
FINAL		18.300	18.200	19.150	18.750	18.200	18.100	18.700	18.600	18.200	18.000
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 [illegible]	0.100	0.0	0.0	-0.100	0.100	0.0	0.0	-0.100	0.0	0.0
3	01 [illegible]	0.100	0.100	0.0	0.0	0.100	0.0	0.0	-0.100	0.100	0.100
4	01 [illegible]	0.100	0.0	0.0	-0.100	0.100	0.0	-0.200	-0.100	0.100	0.0
5	01 [illegible]	0.100	0.0	0.0	-0.100	0.100	0.0	-0.100	-0.200	0.0	0.0
6	0130	0.100	0.100	-0.100	0.0	0.100	0.100	0.0	-0.100	0.100	0.0
7	11 0	0.200	0.100	-0.100	0.0	0.100	0.100	0.100	-0.100	0.0	0.0
8	1130	0.200	0.100	-0.100	0.0	0.200	0.100	0.100	-0.100	0.100	0.100
9	21 0	0.200	0.200	0.0	0.100	0.200	0.200	0.100	0.0	0.100	0.100
10	2130	0.200	0.200	0.0	0.100	0.200	0.200	0.100	0.0	0.100	0.100
11	31 0	0.200	0.200	0.0	0.100	0.200	0.200	0.0	0.0	0.100	0.100
12	3130	0.200	0.200	0.1	0.100	0.200	0.200	0.0	-0.100	0.100	0.100
13	41 0	0.200	0.200	4.700	2.300	0.300	0.300	0.0	-0.100	0.100	0.100
14	4130	0.500	0.300	7.600	4.100	0.500	0.300	6.100	0.0	0.100	0.100
15	51 0	0.600	0.400	9.300	6.200	0.600	0.300	5.700	2.300	1.100	0.100
16	5130	0.700	0.400	11.700	8.500	2.000	0.300	7.700	4.000	1.700	0.100
17	61 0	1.100	0.400	11.700	10.700	4.400	0.300	9.900	5.700	3.500	0.100
18	6130	1.750	0.400	15.400	13.700	6.600	0.400	11.700	7.000	5.100	0.300
19	71 0	2.300	0.500	17.000	16.900	8.700	0.400	13.300	9.700	7.100	0.900
20	7130	3.200	0.500	18.800	18.800	10.100	0.500	14.200	11.100	8.600	1.000
21	81 0	5.000	0.600	19.900	18.400	11.600	0.500	14.300	12.300	9.800	2.200
22	8130	6.300	0.700	20.600	19.700	12.900	0.700	16.300	13.600	11.100	3.100
23	91 0	7.800	0.700	21.700	21.100	14.400	1.000	17.700	14.800	12.600	4.200
24	9130	8.700	0.800	23.000	22.500	15.700	1.200	18.700	16.000	13.800	5.000
25	101 0	9.600	0.900	23.900	23.600	16.700	1.600	19.000	17.100	14.800	6.600
26	10130	10.500	1.000	24.700	24.600	17.700	2.400	20.300	17.600	15.600	7.700
27	111 0	11.900	1.100	25.100	25.200	18.700	3.500	20.800	18.600	16.500	8.600
28	11130	12.200	1.500	26.300	25.900	19.000	4.300	21.500	19.300	17.100	9.000
29	121 0	11.800	2.100	26.500	26.800	19.600	5.000	22.600	20.000	17.400	9.000
30	12130	13.900	2.900	27.600	27.500	20.100	5.650	22.100	20.500	17.900	9.500
31	131 0	16.000	3.100	28.200	27.000	20.300	6.900	23.100	21.000	18.300	9.900
32	13130	16.100	3.000	28.900	28.600	20.600	5.900	23.300	21.500	18.600	10.300
33	141 0	16.950	3.300	28.700	28.900	21.300	6.900	24.000	22.000	19.200	11.500
34	14130	15.800	3.600	29.900	29.700	21.900	7.600	24.600	22.600	19.600	12.200
35	151 0	16.300	4.500	30.100	30.800	22.600	8.000	24.700	23.100	20.600	12.600
36	15130	16.600	4.700	30.600	31.050	22.600	7.900	25.600	23.500	20.900	12.700
37	161 0	16.700	4.900	30.600	31.500	23.200	7.300	25.800	24.500	21.600	12.900
38	16130	16.700	4.600	32.200	32.100	23.600	7.200	25.900	24.900	21.900	12.600
39	171 0	16.600	4.200	32.300	32.100	23.900	7.300	26.700	25.700	22.300	13.000
40	17130	17.000	4.600	31.900	32.700	24.200	7.800	26.700	25.600	22.300	13.300
41	181 0	17.300	5.000	32.700	32.700	24.200	7.960	27.100	25.600	22.800	13.100
42	18130	16.900	5.000	32.200	32.800	23.900	7.800	26.700	25.800	22.600	13.100
43	191 0	16.600	5.000	31.900	32.500	23.500	8.000	27.700	25.800	22.600	12.900
44	19130	16.200	5.000	31.200	32.600	23.300	7.900	27.300	25.800	22.500	12.600
45	21130	1.800	1.800	1.800	2.100	1.900	1.800	1.800	1.800	1.900	1.700

TITLE = CASE 3   DATE 86/10/28   TIME 12:54:40

CH. INDEX		161 T=115	162 T=121	163 T=122	164 T=123	165 T=124	166 T=131	167 T=132	168 T=133	169 T=134	170 T=135
INITIAL		16.600	16.600	16.600	16.200	16.100	16.100	16.000	16.000	15.900	16.000
FINAL		17.800	18.800	18.200	17.800	17.300	18.700	18.200	17.600	16.900	16.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 [illegible]	0.0	0.0	-0.100	-0.100	0.100	-0.100	0.0	0.0	0.100	0.0
3	01 [illegible]	0.100	0.0	-0.100	0.0	0.100	0.0	0.100	0.100	0.100	0.0
4	01 [illegible]	0.100	0.0	-0.100	-0.100	0.100	-0.100	0.0	-0.100	-0.100	-0.100
5	01 [illegible]	0.100	0.100	-0.100	-0.100	0.0	-0.100	0.0	-0.100	0.0	-0.100
6	0130	0.100	0.100	0.0	0.0	0.100	-0.100	0.0	-0.100	0.0	-0.100
7	11 0	0.100	0.200	0.0	0.0	0.0	0.100	0.100	-0.100	0.0	-0.100
8	1130	0.200	0.200	0.0	0.0	0.100	0.100	0.100	0.0	0.0	-0.100
9	21 0	0.200	0.200	0.0	0.0	0.100	0.200	0.200	0.0	0.0	0.0
10	2130	0.200	0.200	0.0	0.0	0.0	0.200	0.200	0.0	0.100	0.0
11	31 0	0.200	0.300	0.100	-0.100	0.0	0.100	0.100	0.0	0.100	0.0
12	3130	0.200	0.300	0.100	-0.100	0.0	0.100	0.200	0.0	0.100	0.0
13	41 0	0.200	0.300	0.100	0.0	0.0	0.100	0.100	0.0	0.100	0.0
14	4130	0.200	0.400	0.100	0.0	0.0	0.100	0.200	0.0	0.100	0.0
15	51 0	0.200	0.400	0.100	0.0	0.0	0.400	0.300	0.100	0.100	0.0
16	5130	0.200	1.200	1.100	0.100	0.100	0.500	0.400	0.100	0.100	0.100
17	61 0	0.200	3.100	2.400	0.100	0.100	0.800	0.500	0.100	0.100	0.0
18	6130	0.200	4.000	3.600	0.900	0.100	2.400	1.800	0.100	0.100	0.0
19	71 0	0.100	6.100	4.900	0.900	0.200	4.400	3.500	0.600	0.100	0.100
20	7130	0.300	7.600	6.300	2.400	0.200	6.200	5.100	1.200	0.100	0.100
21	81 0	0.300	8.700	7.600	4.700	0.200	7.600	6.600	2.600	0.600	0.200
22	8130	0.300	9.600	9.900	6.000	0.300	8.200	7.500	3.500	0.800	0.300
23	91 0	0.400	10.600	10.600	6.600	0.400	9.100	8.600	4.600	1.100	0.400
24	9130	0.500	11.500	11.700	7.700	1.200	10.200	9.800	5.900	1.400	0.600
25	101 0	0.700	12.900	13.000	8.700	1.700	11.100	10.700	6.700	2.100	0.900
26	10130	1.000	13.100	14.000	9.500	2.100	11.900	11.900	7.500	2.600	1.600
27	111 0	1.500	13.700	14.600	10.500	3.100	12.300	12.000	7.900	2.700	2.000
28	11130	2.100	14.900	15.100	10.900	3.600	12.900	12.900	8.500	3.300	1.600
29	121 0	2.500	15.200	15.600	11.600	3.300	13.500	13.700	9.500	3.700	1.800
30	12130	2.300	15.700	16.300	11.900	3.600	14.100	14.000	9.600	3.700	2.100
31	131 0	2.900	16.100	16.900	12.100	3.900	14.300	14.600	9.800	4.100	2.300
32	13130	2.600	16.900	17.200	12.600	4.300	15.000	16.800	10.100	4.700	2.900
33	141 0	2.900	16.800	17.500	12.900	4.700	15.300	15.600	10.100	4.600	2.900
34	14130	3.600	17.300	18.200	13.700	4.800	15.500	15.300	10.100	4.700	2.600
35	151 0	3.600	17.800	18.500	13.600	4.600	15.900	15.900	10.600	3.800	2.500
36	15130	3.600	18.100	19.200	14.200	5.000	16.300	16.500	11.200	4.700	2.400
37	161 0	3.600	18.800	19.800	14.400	4.700	17.100	17.000	12.100	4.100	3.100
38	16130	3.600	19.200	20.400	14.600	5.000	17.300	17.100	12.000	3.300	3.600
39	171 0	4.300	19.400	20.300	15.200	5.900	17.900	17.600	12.100	3.800	3.700
40	17130	4.600	19.900	20.600	15.000	5.700	18.000	17.700	11.600	3.000	3.700
41	181 0	4.600	20.300	21.100	15.400	4.100	18.200	18.000	12.200	3.800	3.900
42	18130	4.600	20.500	21.300	15.700	5.900	18.700	18.600	12.200	3.500	3.700
43	191 0	4.600	20.600	21.200	15.500	5.900	18.500	18.700	12.300	3.300	3.600
44	19130	4.630	20.700	21.300	15.100	5.600	18.900	18.700	12.600	3.600	3.100
45	21130	1.600	2.000	1.600	1.600	1.400	2.100	2.200	1.600	1.900	0.900

TITLE = CASE 3   DATE 86/10/28   TIME 12:54:40

CH. INDEX		201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31	208 S= 32	209 S= 33	210 S= 34
INITIAL		0.150	0.165	0.160	0.161	0.175	0.187	0.166	0.158	0.167	0.150
FINAL		0.165	0.150	0.158	0.156	0.160	0.165	0.137	0.132	0.151	0.155
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 [illegible]	99.994	99.800	99.665	99.981	99.971	99.936	99.928	99.969	99.885	99.968
3	01 [illegible]	100.019	99.935	99.963	100.019	100.025	99.988	99.978	99.968	99.978	99.967
4	01 [illegible]	100.031	100.151	100.399	100.031	100.057	99.994	99.978	100.029	99.930	100.091
5	01 [illegible]	100.075	102.119	100.176	100.057	100.057	100.026	100.000	100.192	100.005	100.076
6	0130	100.079	100.018	100.175	100.069	100.076	100.018	100.006	100.076	100.025	99.937
7	11 0	99.283	97.135	99.801	100.017	100.025	99.908	91.079	98.203	99.881	100.057
8	1130	87.671	90.755	91.611	99.975	99.580	99.022	76.760	88.683	99.658	99.962
9	21 0	76.867	85.115	86.775	95.026	99.651	99.706	81.107	80.455	98.658	99.899
10	2130	82.138	80.935	77.129	87.079	99.960	100.096	67.680	73.201	89.457	100.090
11	31 0	82.158	93.760	81.926	88.765	99.760	99.966	73.867	80.257	86.801	99.068
12	3130	82.390	93.461	81.611	86.125	99.456	99.966	77.882	78.637	86.950	100.032
13	41 0	88.578	92.191	86.126	89.370	98.747	99.800	82.085	86.813	79.867	99.701
14	4130	81.155	91.368	80.651	92.617	93.297	99.717	81.020	86.300	78.850	99.666
15	51 0	78.567	85.140	79.120	93.527	85.145	99.422	66.710	78.778	85.186	99.650
16	5130	77.880	80.097	67.221	88.680	99.663	99.616	56.065	67.633	86.667	99.503
17	61 0	88.682	87.750	88.788	79.056	88.881	99.266	68.092	67.676	85.326	98.066
18	6130	82.386	89.109	79.887	85.951	99.096	99.352	76.781	76.509	71.179	98.737
19	71 0	82.013	88.861	80.575	88.699	85.657	99.250	77.726	79.456	76.986	97.865
20	7130	86.922	88.575	82.604	87.571	87.760	99.616	77.092	78.270	82.300	95.811
21	81 0	70.283	87.856	80.047	88.702	87.893	99.507	77.028	77.300	86.367	97.513
22	8130	75.810	85.909	78.653	87.683	87.250	99.606	76.256	77.555	82.109	96.527
23	91 0	76.521	82.722	88.166	87.216	85.506	99.340	69.807	73.227	85.568	91.881
24	9130	75.567	82.077	81.007	86.300	81.661	98.968	66.671	66.106	82.616	91.566
25	101 0	75.015	82.777	73.367	81.200	88.710	99.377	69.307	72.378	78.918	98.278
26	10130	75.208	82.686	75.723	83.876	80.891	97.817	71.787	73.916	79.566	91.877
27	111 0	76.277	81.087	76.871	83.528	80.968	97.619	72.105	72.769	75.063	89.915
28	11130	73.816	80.279	77.356	86.606	82.635	96.063	70.616	70.676	77.096	88.776
29	121 0	72.838	78.987	76.760	85.865	87.576	96.881	69.566	69.677	77.836	87.128
30	12130	71.348	77.789	75.051	81.370	87.181	94.962	70.838	71.474	80.767	83.990
31	131 0	75.941	77.570	75.606	83.671	81.601	91.530	71.062	79.065	81.705	83.757
32	13130	73.159	77.567	77.687	82.630	79.970	88.630	72.701	70.778	79.027	82.697
33	141 0	72.886	75.994	91.290	88.119	79.650	83.660	73.290	71.801	81.760	80.066
34	14130	71.605	76.795	77.587	88.830	79.916	82.103	71.858	70.601	80.308	80.356
35	151 0	71.220	73.165	76.321	86.001	79.666	82.109	70.727	69.620	81.666	80.655
36	15130	69.891	71.826	76.153	81.570	81.308	80.096	69.601	68.658	81.827	79.616
37	161 0	68.659	70.166	75.590	85.766	81.675	89.100	68.961	66.897	83.367	78.059
38	16130	68.457	69.080	75.326	83.235	80.185	80.818	68.652	66.663	82.031	78.376
39	171 0	67.122	67.783	76.186	88.912	81.627	77.927	67.757	66.728	83.731	77.054
40	17130	65.987	66.566	76.887	83.716	81.187	77.900	67.077	65.761	83.160	78.067
41	181 0	66.881	65.786	76.615	82.662	78.190	80.531	65.706	66.665	82.633	77.705
42	18130	65.180	66.661	77.607	81.660	79.166	88.999	66.970	63.651	82.080	79.280
43	191 0	62.165	61.866	72.177	80.956	77.669	82.657	66.575	62.530	81.669	78.960
44	19130	61.755	63.776	71.522	79.907	76.059	81.560	66.146	61.615	86.021	79.016
45	21130	90.079	98.686	95.760	95.661	96.696	96.766	82.717	85.653	93.668	98.530

TITLE = CASE 3   DATE 86/10/20   TIME 12:54:40

CH. INDEX		211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 51	217 S= 52	218 S= 53	219 S= 54	220 S= 55
INITIAL		0.161	0.157	0.154	0.168	0.166	0.168	0.158	0.166	0.161	0.161
FINAL		0.159	0.126	0.142	0.161	0.162	0.166	0.162	0.157	0.157	0.159
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0' 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0' 6	99.994	100.076	100.110	100.000	99.866	99.992	100.046	99.980	99.836	99.627
3	0'12	100.037	100.099	100.010	100.000	99.965	100.026	100.050	100.012	99.966	99.966
4	0'18	100.066	100.006	100.110	100.018	100.061	100.072	100.058	100.050	99.994	100.193
5	0'24	100.100	100.013	100.123	100.030	100.098	100.177	100.065	100.030	99.969	100.163
6	0'30	99.996	100.019	100.078	100.018	99.878	100.145	100.120	100.068	100.006	99.878
7	1' 0	100.069	100.070	100.078	100.062	100.037	100.133	100.133	100.047	99.938	100.081
8	1'30	99.857	88.665	99.901	100.016	99.866	96.169	98.816	99.966	99.758	99.753
9	2' 0	99.882	89.102	95.895	99.960	99.969	89.498	97.602	99.108	99.796	99.738
10	2'30	100.311	80.308	89.298	99.891	100.226	73.905	78.210	99.590	100.198	100.391
11	3' 0	99.789	67.156	70.023	99.860	99.809	73.161	72.851	70.668	99.732	99.262
12	3'30	99.881	68.868	76.287	99.686	99.881	71.971	69.939	63.668	99.669	99.936
13	4' 0	99.558	75.867	77.107	99.061	99.686	77.829	76.020	74.306	98.953	98.938
14	4'30	99.728	77.367	79.111	96.836	99.267	80.910	76.267	73.086	98.601	98.577
15	5' 0	99.266	73.110	83.652	76.186	99.266	82.336	77.883	80.099	97.757	98.262
16	5'30	99.106	55.116	83.652	81.839	99.116	76.096	78.650	86.101	97.590	98.186
17	6' 0	98.779	57.990	76.192	81.365	98.615	67.981	76.275	76.306	96.656	97.685
18	6'30	99.803	63.941	70.081	75.857	99.826	68.258	68.625	69.019	95.378	98.013
19	7' 0	99.086	70.472	72.267	73.999	98.762	72.906	69.087	70.029	96.568	97.907
20	7'30	99.833	72.003	77.198	74.016	99.579	77.129	75.421	75.811	97.420	99.373
21	8' 0	99.807	69.016	79.588	75.033	99.692	78.872	76.916	75.998	89.920	99.795
22	8'30	99.365	69.152	79.118	77.951	90.919	77.912	76.135	76.788	83.768	98.966
23	9' 0	99.796	65.119	80.285	77.693	99.026	77.183	76.981	77.665	76.061	99.087
24	9'30	99.620	59.965	76.711	77.116	97.877	73.983	73.126	77.867	80.799	100.099
25	10' 0	99.136	57.901	72.157	78.761	97.693	67.815	72.985	73.269	76.871	99.809
26	10'30	99.249	62.990	72.682	76.960	96.188	69.873	69.189	70.361	75.868	99.298
27	11' 0	99.103	66.898	77.362	78.279	90.763	71.761	68.063	78.639	72.620	98.658
28	11'30	99.199	65.239	75.685	77.161	94.301	73.290	70.688	75.279	70.991	98.683
29	12' 0	98.538	63.408	76.738	76.503	91.804	71.475	73.026	76.191	65.861	96.988
30	12'30	98.057	65.656	77.139	79.186	91.785	73.103	72.127	75.916	65.923	95.087
31	13' 0	96.288	66.997	75.920	75.276	86.555	73.320	74.330	77.336	62.491	88.721
32	13'30	93.226	66.077	78.690	76.221	78.851	73.999	73.196	76.825	61.885	85.721
33	14' 0	91.196	68.065	76.692	73.525	78.125	76.558	76.052	78.808	66.680	86.080
34	14'30	89.691	68.633	76.536	75.138	79.987	77.565	78.815	78.037	62.716	87.119
35	15' 0	88.973	69.016	78.186	75.166	79.250	77.828	76.727	86.165	61.908	87.556
36	15'30	89.261	67.867	80.255	75.986	76.696	77.225	77.921	82.921	61.908	82.667
37	16' 0	88.766	66.162	79.150	76.508	76.562	78.612	76.897	82.986	61.611	80.088
38	16'30	87.027	66.990	78.938	76.665	79.896	76.092	78.793	78.966	60.956	80.275
39	17' 0	89.661	65.176	76.919	75.976	76.215	75.286	75.326	79.362	61.298	81.268
40	17'30	85.227	66.878	77.898	75.970	76.981	75.152	76.696	80.755	62.088	81.656
41	18' 0	88.366	66.018	75.033	76.651	76.222	76.815	76.967	77.166	62.066	87.066
42	18'30	87.869	62.626	75.563	76.769	77.967	73.911	76.716	80.671	61.029	82.166
43	19' 0	87.718	62.288	75.083	76.915	75.140	72.995	77.517	76.956	61.066	88.660
44	19'30	88.273	60.908	76.771	75.262	77.163	72.081	78.198	75.867	63.558	88.860
45	21'10	99.091	78.712	91.833	96.917	98.737	88.603	89.910	96.369	97.063	98.516

TITLE = CASE 3   DATE 86/10/20   TIME 12:54:40

CH. INDEX		221 S= 61	222 S= 62	223 S= 63	224 S= 71	225 S= 72	226 S= 81	227 S= 82	228 S= 83	229 S= 91	230 S= 92
INITIAL		0.159	0.166	0.161	0.162	0.166	0.163	0.161	0.162	0.162	0.167
FINAL		0.163	0.157	0.159	0.167	0.161	0.150	0.156	0.160	0.152	0.166
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0' 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0' 6	100.090	99.996	99.975	100.066	99.988	100.000	99.988	100.000	99.979	100.006
3	0'12	100.013	100.062	100.008	100.018	100.012	100.006	100.006	100.000	99.937	100.000
4	0'18	100.058	100.060	99.981	100.018	100.026	100.098	100.031	100.012	99.938	100.012
5	0'24	100.113	99.982	99.981	100.069	100.000	100.018	100.050	100.006	99.969	100.018
6	0'30	100.132	100.006	100.024	100.369	99.970	100.006	100.025	100.000	99.918	100.012
7	1' 0	100.201	100.062	99.975	100.125	100.088	100.006	100.037	100.018	99.981	100.024
8	1'30	100.189	100.000	100.012	100.105	99.966	100.069	100.025	100.012	99.938	100.024
9	2' 0	96.576	99.277	100.012	100.111	99.956	100.037	100.019	100.006	99.976	100.012
10	2'30	87.122	99.269	99.990	95.162	100.006	100.069	100.069	100.037	99.969	100.062
11	3' 0	83.981	82.287	99.080	99.685	99.682	95.087	99.088	100.012	99.932	100.018
12	3'30	74.282	65.913	100.009	79.870	99.860	80.038	97.119	100.018	95.705	100.006
13	4' 0	80.169	76.876	100.037	71.891	99.661	75.165	97.898	100.006	81.660	99.906
14	4'30	81.271	77.860	100.037	72.751	99.027	71.775	89.051	100.006	71.981	99.693
15	5' 0	86.287	80.022	99.088	76.308	90.156	76.615	75.815	100.808	60.788	99.276
16	5'30	85.002	83.222	99.981	79.107	71.952	78.381	75.106	100.806	75.995	93.257
17	6' 0	76.566	96.825	100.012	75.667	66.860	80.128	80.967	99.975	76.916	84.355
18	6'30	76.076	77.810	79.950	65.933	66.900	77.962	78.688	100.006	77.226	67.949
19	7' 0	76.722	71.176	99.975	61.161	66.981	66.076	71.887	99.987	71.786	67.790
20	7'30	76.251	75.916	99.876	65.921	72.772	63.920	74.667	99.996	65.668	66.730
21	8' 0	82.623	79.298	99.766	72.801	71.136	69.737	67.138	99.016	62.660	68.687
22	8'30	83.391	80.996	79.509	79.627	67.676	76.080	65.811	99.987	67.683	69.858
23	9' 0	67.951	87.111	98.632	75.826	67.776	76.880	75.896	99.901	70.807	70.171
24	9'30	51.961	81.067	98.653	75.262	57.966	76.898	76.575	99.076	74.131	69.596
25	10' 0	78.292	80.667	97.883	72.169	56.190	76.098	77.980	98.877	76.565	62.375
26	10'30	76.616	75.779	96.966	67.180	61.093	73.159	77.077	99.575	73.660	59.557
27	11' 0	76.403	76.788	96.066	66.515	67.205	69.993	75.881	97.165	70.675	57.776
28	11'30	79.282	76.917	97.629	66.959	69.502	67.966	75.295	97.039	66.800	63.175
29	12' 0	79.966	78.190	90.637	70.660	60.281	69.611	71.565	96.106	65.910	60.605
30	12'30	79.333	80.361	97.856	72.667	59.760	73.976	75.762	86.969	68.551	63.736
31	13' 0	79.860	78.666	85.115	72.110	53.781	75.616	75.253	85.857	78.617	60.798
32	13'30	79.572	78.329	66.259	73.201	61.671	75.779	76.217	90.808	71.809	60.568
33	14' 0	80.689	80.118	80.870	73.390	59.165	76.935	75.685	88.367	72.625	61.791
34	14'30	82.599	85.176	85.566	79.965	61.661	75.877	77.116	85.750	75.156	59.653
35	15' 0	87.158	85.819	82.685	77.518	61.625	79.275	78.668	81.901	75.687	57.927
36	15'30	82.555	86.982	81.683	79.268	63.287	80.709	81.656	78.686	76.177	60.129
37	16' 0	81.063	86.196	79.558	78.531	66.872	81.336	82.510	85.210	78.166	61.878
38	16'30	86.655	86.767	81.698	77.697	86.680	80.865	85.126	86.059	80.966	62.969
39	17' 0	82.097	86.578	83.859	76.517	86.727	79.736	83.627	87.709	80.565	63.079
40	17'30	76.866	81.876	81.886	76.989	86.268	79.617	86.627	86.297	80.786	71.669
41	18' 0	76.795	85.897	86.829	75.820	86.878	79.217	85.115	80.561	70.710	72.750
42	18'30	76.061	87.679	87.681	75.959	86.718	76.696	87.735	81.675	70.060	73.168
43	19' 0	77.063	80.612	87.070	75.252	72.766	70.303	85.671	81.357	76.733	72.717
44	19'30	76.666	80.656	83.718	72.810	86.865	77.602	82.722	82.676	76.965	75.009
45	21'10	89.852	96.618	98.998	90.777	96.817	92.020	96.560	98.767	85.535	98.217

TITLE = CASE 3   DATE 86/10/20   TIME 12:54:40

CH. INDEX		231 S=101	232 S=102	233 S=103	234 S=111	235 S=112	236 S=121	237 S=122	238 S=123	239 S=131	240 S=132
INITIAL		0.169	0.167	0.161	0.161	0.168	0.160	0.152	0.167	0.159	0.159
FINAL		0.157	0.162	0.159	0.155	0.166	0.136	0.160	0.165	0.155	0.157
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0' 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0' 6	100.006	100.012	99.989	100.006	100.006	100.007	100.007	100.000	100.006	100.000
3	0'12	100.012	100.012	100.000	100.012	100.006	99.957	100.007	99.988	100.019	100.000
4	0'18	100.026	100.018	100.006	100.050	100.018	100.121	100.013	100.030	100.066	100.006
5	0'24	100.030	100.026	99.919	100.000	100.012	100.021	100.076	99.994	100.056	100.013
6	0'30	100.063	100.030	99.987	99.968	100.012	99.872	100.070	99.940	100.056	100.006
7	1' 0	100.061	100.036	99.890	99.962	100.012	100.097	100.076	100.026	100.063	100.019
8	1'30	100.067	100.042	99.963	100.012	100.018	100.086	100.033	99.996	100.069	100.019
9	2' 0	100.099	100.066	99.963	99.891	100.018	99.801	100.076	99.986	100.075	100.019
10	2'30	100.099	100.066	99.966	99.475	100.030	100.070	100.033	100.060	100.096	100.032
11	3' 0	100.069	100.066	99.956	99.912	100.030	99.720	100.053	99.892	100.100	100.025
12	3'30	100.016	100.056	99.988	100.050	100.030	99.900	100.052	99.698	100.100	100.012
13	4' 0	99.619	99.116	99.075	99.961	100.038	99.872	100.066	99.856	100.119	100.038
14	4'30	81.656	96.125	99.981	99.063	100.018	99.680	100.066	99.850	100.119	100.038
15	5' 0	79.786	85.858	100.006	79.701	100.880	99.251	100.030	99.796	100.069	100.038
16	5'30	72.737	73.739	100.012	69.519	99.951	87.606	99.511	99.802	100.056	100.050
17	6' 0	72.627	76.982	100.006	65.167	76.933	89.220	99.777	99.666	100.061	100.066
18	6'30	77.178	77.786	99.996	65.206	91.068	58.060	98.622	99.736	96.807	100.058
19	7' 0	76.618	79.871	99.969	67.119	67.529	55.225	97.876	99.736	86.736	99.899
20	7'30	71.192	81.579	99.908	67.905	81.106	56.706	95.816	99.078	86.262	99.666
21	8' 0	65.959	80.990	100.008	63.665	66.703	57.669	95.395	100.062	83.078	99.035
22	8'30	81.261	70.183	99.066	57.562	72.918	57.299	96.011	99.096	85.371	95.907
23	9' 0	86.077	67.811	99.807	51.687	76.902	56.106	96.313	98.866	85.887	86.206
24	9'30	69.687	73.621	99.638	52.477	73.557	66.897	95.616	98.682	87.706	81.169
25	10' 0	75.766	75.700	96.666	57.565	66.715	62.160	96.700	96.931	80.996	80.613
26	10'30	75.676	76.927	97.066	65.610	67.558	56.956	96.508	93.712	76.185	82.851
27	11' 0	79.317	78.389	96.270	66.279	61.755	50.880	96.188	97.083	75.561	76.081
28	11'30	66.568	77.902	92.006	66.209	67.769	53.570	96.778	91.969	78.837	73.353
29	12' 0	66.610	76.168	86.872	60.862	69.739	56.116	95.569	90.898	70.863	72.859
30	12'30	76.217	73.307	87.807	56.997	66.061	53.138	95.122	93.116	80.377	75.656
31	13' 0	80.581	72.956	90.958	56.057	80.562	58.833	95.067	90.771	80.333	86.171
32	13'30	70.715	76.125 *	87.155	56.656	86.739	65.706	96.968	98.283	79.711	77.909
33	14' 0	72.526	76.366	82.993	59.678	82.522	66.960	96.600	86.657	77.670	78.777
34	14'30	72.769	78.195	85.335	61.768	82.226	66.670	96.200	91.653	75.887	73.182
35	15' 0	75.611	70.706	81.207	65.888	83.297	50.702	96.581	92.896	76.625	82.089
36	15'30	76.029	79.221	86.760	66.750	82.791	55.069	96.717	92.161	77.685	71.896
37	16' 0	76.995	82.198	89.116	66.080	85.860	53.971	96.908	93.192	79.761	78.679
38	16'30	79.665	83.959	80.177	70.601	86.661	56.977	95.257	97.966	80.888	77.856
39	17' 0	81.667	86.522	86.667	71.790	77.698	58.606	95.266	87.866	80.975	78.071
40	17'30	66.996	85.151	81.630	77.162	80.766	65.610	95.769	90.173	82.373	77.982
41	18' 0	80.767	85.175	86.955	76.661	73.650	67.861	96.098	80.668	85.862	77.896
42	18'30	65.165	86.686	86.867	76.315	79.551	67.626	96.229	97.081	85.606	80.897
43	19' 0	87.667	86.568	86.255	76.211	77.955	69.068	96.236	97.329	86.658	85.313
44	19'30	79.955	86.618	87.616	76.545	76.978	68.789	96.625	95.186	86.775	86.701
45	21'10	89.526	97.137	99.251	96.189	96.777	95.691	97.765	98.986	97.075	98.745

TITLE = CASE 3   DATE 86/10/20   TIME 12:54:40

CH. INDEX		250 V= 21	251 V= 22	252 V= 23	253 V= 24	254 V= 25	255 V= 26	256 V= 27	257 V= 28	258 V= 29	259 V= 71
INITIAL		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FINAL		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	0' 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0' 6	0.002	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.002	0.0
3	0'12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0'18	0.002	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.002	0.0
5	0'24	0.002	0.009	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0'30	0.0	0.002	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0
7	1' 0	1.782	1.130	0.609	0.0	0.0	-0.332	-0.362	-0.291	-0.265	0.005
8	1'30	1.904	1.073	0.457	0.0	0.0	-0.325	-0.401	-0.377	-0.320	0.0
9	2' 0	1.665	1.135	0.475	0.0	0.0	-0.316	-0.309	-0.385	-0.375	0.0
10	2'30	1.776	1.121	0.300	0.0	0.0	-0.306	-0.320	-0.339	-0.378	1.081
11	3' 0	1.612	1.186	0.385	0.0	0.002	-0.339	-0.353	-0.380	-0.380	1.113
12	3'30	1.660	1.096	0.359	0.0	0.0	-0.369	-0.386	-0.380	-0.372	1.097
13	4' 0	1.613	1.202	0.471	0.010	0.0	-0.411	-0.428	-0.455	-0.465	1.119
14	4'30	1.601	1.111	0.505	0.033	0.0	-0.566	-0.510	-0.510	-0.505	1.176
15	5' 0	1.722	1.155	0.585	0.041	0.0	-0.471	-0.606	-0.568	-0.562	1.237
16	5'30	1.715	1.335	0.666	0.066	0.0	-0.359	-0.510	-0.607	-0.566	1.362
17	6' 0	1.772	1.201	0.617	0.165	0.0	-0.366	-0.526	-0.526	-0.552	1.269
18	6'30	1.666	1.077	0.666	0.091	0.0	-0.335	-0.607	-0.666	-0.552	1.187
19	7' 0	1.661	1.233	0.578	0.0	0.0	-0.330	-0.556	-0.508	-0.605	1.171
20	7'30	1.560	1.563	0.555	0.0	0.0	-0.310	-0.580	-0.509	-0.505	1.287
21	8' 0	1.669	1.195	0.581	0.0	0.0	-0.368	-0.633	-0.503	-0.666	1.169
22	8'30	1.657	1.655	0.625	0.0	0.0	-0.291	-0.660	-0.621	-0.626	1.170
23	9' 0	1.659	1.352	0.625	0.002	0.0	-0.267	-0.638	-0.659	-0.621	1.350
24	9'30	1.615	1.259	0.671	0.0	0.0	-0.275	-0.579	-0.518	-0.660	1.276
25	10' 0	1.727	1.508	0.593	0.0	0.0	-0.268	-0.616	-0.687	-0.716	1.216
26	10'30	1.515	1.195	0.562	0.0	0.0	-0.356	-0.635	-0.687	-0.675	1.247
27	11' 0	1.655	1.268	0.616	0.0	0.0	-0.357	-0.657	-0.585	-0.750	1.276
28	11'30	1.702	1.178	0.587	0.0	0.0	-0.328	-0.666	-0.509	-0.766	1.178
29	12' 0	1.816	1.357	0.638	0.0	0.0	-0.287	-0.650	-0.589	-0.727	1.207
30	12'30	1.796	1.221	0.621	0.0	0.0	-0.286	-0.552	-0.557	-0.777	1.113
31	13' 0	1.709	1.321	0.595	0.0	0.0	-0.277	-0.549	-0.588	-0.728	1.109
32	13'30	1.612	1.221	0.607	0.002	0.0	-0.272	-0.599	-0.552	-0.765	1.146
33	14' 0	1.729	1.311	0.679	0.0	0.0	-0.260	-0.635	-0.555	-0.617	1.269
34	14'30	1.760	1.152	0.612	0.0	0.0	-0.260	-0.656	-0.585	-0.611	1.359
35	15' 0	1.677	1.676	0.726	0.0	0.0	-0.278	-0.556	-0.676	-0.611	1.707
36	15'30	1.705	1.378	0.695	0.0	0.0	-0.403	-0.650	-0.617	-0.670	1.309
37	16' 0	1.760	1.261	0.666	0.0	0.0	-0.272	-0.601	-0.607	-0.710	1.187
38	16'30	1.616	1.190	0.656	0.0	0.0	-0.286	-0.518	-0.609	-0.752	1.269
39	17' 0	1.612	1.506	0.590	0.0	0.0	-0.316	-0.565	-0.771	-0.666	1.129
40	17'30	1.519	1.166	0.667	0.002	0.0	-0.292	-0.668	-0.607	-0.693	1.269
41	18' 0	1.505	1.069	0.693	0.0	0.0	-0.269	-0.613	-0.506	-0.712	1.199
42	18'30	1.519	1.077	0.656	0.0	0.0	-0.268	-0.658	-0.600	-0.710	1.115
43	19' 0	1.761	0.903	0.671	0.0	0.0	-0.261	-0.566	-0.537	-0.605	0.967
44	19'30	1.191	0.960	0.552	0.0	0.0	-0.261	-0.685	-0.619	-0.570	0.906
45	21'10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TITLE = CASE 3 DATE 86/10/20 TIME 12154140

CH. INDEX		240 V= 72	241 V= 73	242 V= 74	243 V=121	244 V=122	245 V=123	246 V=124
INITIAL		0.0	0.0	0.0	0.0	0.0	0.0	0.0
FINAL		0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	0I 0	0.0		0.0	0.0	0.0	0.0	0.0
2	[illegible]	0.002		0.002	0.0	0.002	0.0	0.0
3	[illegible]	0.002		0.0	0.0	0.0	0.0	0.0
4	[illegible]	0.0		0.0	0.0	0.0	0.0	0.0
5	[illegible]	0.0		0.0	0.0	0.0	0.0	0.0
6	0I30	0.0		0.0	0.0	0.0	0.0	0.0
7	1I 0	0.002		0.002	0.0	0.0	0.0	0.002
8	1I30	0.0		0.0	0.0	0.0	0.0	0.0
9	2I 0	0.0		0.0	0.0	0.0	0.0	0.0
10	2I30	0.141		0.002	0.0	0.002	0.0	0.0
11	3I 0	0.615		-0.144	0.0	0.0	0.0	0.0
12	3I30	0.899		-0.194	0.0	0.0	0.002	0.0
13	4I 0	0.897		-0.385	0.0	0.0	0.0	0.0
14	4I30	0.890		-0.888	0.0	0.0	0.0	0.0
15	5I 0	0.942		-0.639	0.0	0.0	0.0	0.0
16	5I30	0.838		-0.667	0.586	0.065	0.0	0.0
17	6I 0	0.992		-0.916	0.719	0.0	0.0	0.0
18	6I30	0.961		-0.566	0.774	0.117	0.0	0.002
19	7I 0	0.913		-0.933	0.815	0.279	0.0	0.0
20	7I30	0.944		-0.576	0.802	0.251	0.0	-0.135
21	8I 0	0.999		-0.668	0.765	0.272	-0.260	-0.366
22	8I30	0.887		-0.617	0.836	0.336	-0.267	-0.361
23	9I 0	0.835		-0.736	0.816	0.661	-0.254	-0.381
24	9I30	0.866		-0.699	0.691	0.396	-0.261	-0.371
25	10I 0	0.821		-0.668	0.817	0.376	-0.323	-0.428
26	10I30	0.006		-0.698	0.706	0.397	-0.329	-0.488
27	11I 0	0.807		-0.822	0.769	0.373	-0.246	-0.523
28	11I30	0.873		-0.705	0.828	0.667	-0.339	-0.504
29	12I 0	0.880		-0.669	0.836	0.695	-0.286	-0.619
30	12I30	0.583		-0.716	0.736	0.667	-0.367	-0.576
31	13I 0	0.585		-0.678	0.728	0.616	-0.459	-0.550
32	13I30	0.588		-0.771	0.768	0.669	-0.518	-0.565
33	14I 0	0.749		-0.763	0.317	0.657	-0.288	-0.528
34	14I30	0.683		-0.795	0.317	0.627	-0.367	-0.505
35	15I 0	0.733		-0.693	0.691	0.698	-0.613	-0.497
36	15I30	0.808		-0.733	0.828	0.621	-0.510	-0.588
37	16I 0	0.686		-0.782	0.672	0.666	-0.337	-0.667
38	16I30	0.871		-0.802	0.827	0.604	-0.658	-0.631
39	17I 0	0.880		-0.717	0.745	0.958	-0.682	-0.655
40	17I30	0.888		-0.777	0.908	0.648	-0.623	-0.736
41	18I 0	0.809		-0.738	0.770	0.966	-0.429	-0.665
42	18I30	0.882		-0.781	0.776	0.666	-0.683	-0.726
43	19I 0	0.880		-0.798	0.758	0.606	-0.613	-0.748
44	19I30	0.997		-0.703	0.753	0.576	-0.652	-0.638
45	21I30	0.0		0.0	0.0	0.0	0.0	0.0

実験No. 4　TITLE = CASE 13-2　(A)　DATE 85/10/30　TIME 16:22:26

LOOP	TIME	101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		23.100	20.900	20.200	19.400	19.000	18.400	18.700	17.900	18.100	20.700
FINAL		22.800	20.900	19.100	18.800	17.900	17.300	17.100	17.000	17.200	19.600
		(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	-0.100	0.100	0.0	-0.100	-0.100	0.0	0.0	0.100	0.100	-0.100
3	0: 0	0.0	1.000	0.300	-0.100	-0.200	0.100	-0.100	0.100	0.100	0.100
4	0: 0	63.200	25.200	14.000	6.400	0.300	0.400	0.200	0.300	0.200	0.600
5	0:30	99.600	56.100	47.700	27.700	2.600	1.000	0.300	0.400	0.300	40.900
6	1: 0	119.400	65.800	59.100	41.700	4.300	1.600	0.400	0.500	0.400	57.600
7	1:30	133.200	73.100	69.000	51.900	7.700	2.000	0.900	0.800	0.600	59.800
8	2: 0	143.800	77.100	70.200	56.700	12.000	2.300	1.200	0.900	0.700	63.700
9	2:30	151.900	82.000	75.700	62.400	18.000	2.400	1.500	1.000	0.800	67.800
10	3: 0	161.300	88.400	79.400	65.400	23.300	3.600	1.700	1.200	0.900	71.300
11	3:30	165.300	95.900	87.400	73.500	33.000	6.800	2.000	1.900	1.100	78.100
12	4: 0	167.000	101.400	93.100	80.800	37.300	15.400	3.100	1.800	1.300	86.400
13	4:30	170.800	105.400	98.100	84.700	40.600	23.400	5.000	2.400	1.500	88.900
14	5: 0	180.400	109.300	102.100	88.600	42.600	27.800	11.100	3.100	1.700	92.300
15	5:30	183.100	115.200	107.300	92.200	47.900	29.400	14.800	3.900	1.900	95.100
16	6: 0	186.700	116.000	109.200	96.100	53.000	30.400	17.100	5.000	2.100	98.100
17	6:30	188.900	120.300	112.900	98.500	52.100	32.700	19.500	5.700	2.300	100.700
18	7: 0	196.400	120.900	119.100	101.700	56.700	32.700	20.000	6.100	2.400	103.200
19	7:30	196.600	123.800	116.400	104.200	56.800	33.400	22.000	6.900	2.700	106.100
20	8: 0	201.500	126.400	118.700	106.100	58.400	35.500	22.800	8.100	2.900	106.400
21	8:30	205.000	129.200	121.400	105.200	60.100	37.400	24.100	8.700	2.900	109.200
22	9: 0	208.500	130.800	121.300	107.000	62.300	38.000	24.800	9.600	3.100	110.100
23	9:30	209.500	129.100	122.200	107.300	64.400	39.100	25.700	10.100	3.300	111.600
24	10: 0	210.500	129.800	123.100	107.900	63.500	39.400	26.200	9.900	3.500	111.300
25	10:30	207.200	129.100	122.100	106.400	65.200	39.600	27.900	10.700	3.500	112.400
26	11: 0	204.000	128.400	121.300	105.000	63.300	42.200	27.900	11.900	3.800	111.600
27	11:30	199.500	126.600	119.300	103.400	63.300	43.100	28.900	11.900	3.600	109.900
28	12: 0	196.500	122.000	114.400	101.300	61.500	41.600	27.800	11.100	3.600	107.800
29	12:30	187.100	115.700	110.400	98.300	61.200	41.100	26.800	10.800	3.500	102.300
30	13: 0	163.000	104.800	101.300	91.400	59.300	40.700	25.900	10.600	3.600	95.300
31	13:30	147.400	94.700	92.000	84.500	57.500	40.900	27.000	11.600	4.300	86.600
32	14: 0	132.900	86.300	83.600	75.900	55.000	39.600	26.700	12.300	4.600	79.100
33	14:30	117.900	77.900	76.000	69.700	52.300	37.900	26.100	12.600	4.700	72.300
34	15: 0	106.200	71.400	69.400	64.600	50.400	36.600	25.100	11.800	4.100	66.900
35	15:30	95.700	64.400	62.400	58.300	46.500	34.700	23.400	9.300	3.600	60.900
36	16: 0	84.800	57.500	55.000	51.300	41.700	31.800	20.000	8.200	3.300	55.800
37	16:30	75.900	52.400	50.000	45.500	37.600	28.900	17.400	7.600	3.100	50.100
38	17: 0	69.100	47.700	46.100	40.300	34.300	26.400	15.900	6.700	3.000	45.900
39	17:30	62.500	43.000	41.000	36.600	31.700	24.300	15.400	6.700	3.000	41.600
40	18: 0	56.400	40.000	38.500	33.700	29.100	22.100	13.900	6.000	2.900	38.300
41	18:30	51.200	37.100	34.700	30.400	26.400	19.000	13.300	5.000	2.800	35.600
42	19: 0	47.700	34.100	31.900	28.300	24.200	18.000	12.600	4.600	2.700	32.900
43	19:30	44.700	31.500	29.400	25.700	22.000	16.700	12.100	4.400	2.900	30.400
44	25:30	-0.300	0.0	-1.100	-1.600	-1.500	-1.100	-0.900	-0.900	-0.900	-0.600

TITLE = CASE 13-2　DATE 85/10/30　TIME 16:22:26

LOOP	TIME	111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		23.500	19.900	20.200	17.600	17.800	18.200	17.900	21.200	20.500	19.900
FINAL		24.800	18.700	18.700	16.800	17.000	17.100	17.100	24.000	21.100	20.000
		(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	-0.200	0.0	0.100	0.100	0.0	0.0	-0.100	-0.200	-0.100
3	0: 0	0.0	-0.200	-0.500	0.100	0.100	0.100	0.0	-0.200	-0.400	-0.100
4	0: 0	0.100	-0.100	-0.800	0.300	0.200	0.200	0.0	-0.200	-0.400	-0.100
5	0:30	1.400	17.400	7.600	0.700	0.500	0.200	0.100	8.700	7.800	2.600
6	1: 0	4.300	30.200	14.000	1.100	0.800	0.300	0.200	20.700	24.000	10.100
7	1:30	7.600	39.400	19.600	1.600	1.100	0.500	0.300	29.400	33.400	16.600
8	2: 0	10.900	45.400	26.700	1.800	1.500	0.500	0.400	35.500	40.400	22.000
9	2:30	14.200	51.900	35.200	2.200	1.500	0.700	0.500	40.800	45.900	26.700
10	3: 0	17.200	56.400	39.400	2.500	1.600	0.800	0.700	45.300	50.000	31.300
11	3:30	19.900	62.100	46.200	3.200	1.800	1.000	0.800	49.900	54.000	34.100
12	4: 0	22.800	66.100	52.000	4.000	2.200	1.200	1.000	55.000	59.300	38.600
13	4:30	24.900	69.500	56.200	6.700	3.200	1.300	1.100	59.500	65.500	41.700
14	5: 0	27.400	72.800	58.000	13.600	4.900	1.400	1.100	62.800	67.100	47.700
15	5:30	29.700	75.800	57.400	17.600	6.000	1.400	1.200	66.400	70.400	50.700
16	6: 0	31.800	79.800	60.900	20.100	7.800	1.800	1.100	69.500	75.600	54.200
17	6:30	33.900	82.700	63.900	22.500	8.700	2.100	1.400	72.000	75.800	57.000
18	7: 0	35.900	86.700	66.000	24.000	8.600	2.400	1.500	74.700	78.400	60.000
19	7:30	37.700	88.600	67.500	25.500	11.000	2.700	1.600	76.600	80.500	62.600
20	8: 0	39.400	88.300	68.800	26.900	13.800	2.900	1.700	78.900	82.500	64.700
21	8:30	40.900	90.700	71.700	29.000	13.400	3.300	1.800	80.400	84.100	66.900
22	9: 0	42.500	90.900	71.500	30.100	13.500	3.500	1.900	82.200	85.500	68.500
23	9:30	43.700	93.900	75.400	31.700	14.100	3.900	1.900	83.300	86.800	70.100
24	10: 0	44.800	92.500	76.600	31.800	14.500	4.100	2.000	83.800	87.700	71.600
25	10:30	45.400	93.700	75.500	32.400	14.100	4.700	2.100	85.100	88.300	72.500
26	11: 0	46.700	93.400	76.800	32.400	17.300	5.000	2.200	85.100	88.200	73.600
27	11:30	47.500	92.500	76.000	33.500	18.700	5.500	2.200	85.000	88.200	74.200
28	12: 0	48.300	91.100	71.800	34.900	22.000	6.100	2.300	84.500	87.400	74.300
29	12:30	48.200	89.100	71.100	35.700	21.000	6.300	2.400	83.700	85.700	74.000
30	13: 0	48.800	86.700	68.800	35.000	21.500	6.400	2.400	80.800	82.600	72.800
31	13:30	47.100	79.700	63.700	32.700	16.400	6.900	2.600	76.000	78.500	70.700
32	14: 0	45.800	72.900	59.400	29.200	16.700	6.700	2.700	72.500	73.200	68.800
33	14:30	44.200	67.200	56.800	27.400	16.200	6.400	2.600	68.100	68.300	64.800
34	15: 0	42.900	61.100	51.300	27.100	14.900	6.200	2.600	63.700	63.400	61.700
35	15:30	40.200	57.000	48.400	26.400	13.900	6.000	2.600	59.500	59.000	58.700
36	16: 0	38.200	52.300	43.900	24.700	13.200	5.700	2.500	55.400	56.800	55.600
37	16:30	37.500	47.900	40.500	23.300	13.000	5.500	2.400	51.000	50.600	52.600
38	17: 0	35.800	41.300	36.900	22.200	13.700	5.100	2.300	47.000	46.700	49.600
39	17:30	34.200	39.000	33.200	20.500	10.700	4.900	2.300	44.100	43.000	46.600
40	18: 0	32.000	35.500	29.300	18.400	9.600	4.700	2.100	40.900	39.500	43.000
41	18:30	31.400	32.800	26.900	17.000	10.400	4.500	2.100	37.800	36.400	41.200
42	19: 0	34.200	30.400	25.700	15.200	8.700	4.500	2.100	35.200	33.900	38.800
43	19:30	29.100	27.700	20.800	13.500	8.100	4.300	2.100	32.800	31.600	36.500
44	25:30	3.100	-1.200	-1.500	-0.800	-0.800	-1.100	-0.800	2.800	0.600	0.100

TITLE = CASE 13-2　DATE 85/10/30　TIME 16:22:26

LOOP	TIME	121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 41	126 T= 42	127 T= 43	128 T= 44	129 T= 45	130 T= 46
INITIAL		18.200	19.400	18.700	17.600	20.900	20.300	19.000	17.800	18.500	17.400
FINAL		17.400	19.100	17.700	16.800	21.000	20.500	18.100	17.000	17.200	16.800
		(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.0	0.0	0.0	-0.300	-0.100	-0.200	-0.100	-0.200	0.0
3	0: 0	0.0	0.0	0.0	-0.100	-0.400	-0.300	-0.300	-0.100	-0.400	0.0
4	0: 0	0.0	0.0	0.100	0.0	-0.500	-0.300	-0.400	-0.100	-0.500	0.0
5	0:30	0.0	0.300	0.200	0.0	-0.200	-0.200	-0.200	-0.100	-0.400	0.0
6	1: 0	0.100	0.900	0.300	0.0	12.100	10.500	12.700	9.900	2.100	0.200
7	1:30	0.300	1.500	0.400	0.100	22.000	19.400	21.900	15.400	4.100	0.600
8	2: 0	0.600	1.900	0.600	0.200	29.200	26.100	30.400	20.100	5.700	1.100
9	2:30	0.900	2.500	0.800	0.200	34.300	31.700	35.200	24.300	8.100	1.400
10	3: 0	1.200	3.100	0.900	0.300	38.900	36.600	39.300	28.600	10.500	1.700
11	3:30	1.400	3.900	1.000	0.400	42.400	45.600	45.900	31.700	12.500	1.900
12	4: 0	1.600	5.400	1.200	0.500	46.400	46.800	48.700	36.800	16.200	2.400
13	4:30	1.900	7.700	1.500	0.600	50.400	49.500	53.500	40.900	19.700	2.800
14	5: 0	2.200	10.000	1.900	0.700	54.100	53.200	56.700	43.400	23.200	3.700
15	5:30	2.700	12.000	2.400	0.800	56.800	56.300	58.500	46.900	27.500	5.200
16	6: 0	3.200	15.700	3.200	0.900	59.000	59.100	61.400	49.400	32.700	6.800
17	6:30	3.900	18.000	4.300	0.900	61.800	61.400	63.600	51.300	35.800	8.100
18	7: 0	5.000	21.100	5.700	1.000	64.000	64.100	65.700	53.000	38.900	9.700
19	7:30	5.800	22.900	6.900	1.100	65.800	66.200	66.900	56.600	40.000	11.000
20	8: 0	6.900	24.200	8.500	1.200	67.800	68.100	68.000	56.100	41.300	12.100
21	8:30	8.200	27.100	10.200	1.400	69.400	69.000	70.700	57.500	43.300	14.100
22	9: 0	9.300	29.000	11.300	1.400	70.700	71.400	71.800	58.700	44.900	16.700
23	9:30	10.600	30.800	12.900	1.500	71.700	72.400	72.100	59.700	45.400	16.300
24	10: 0	11.300	31.100	14.000	1.600	72.600	73.400	73.900	60.200	45.900	17.200
25	10:30	12.300	31.900	15.300	1.700	72.900	73.900	75.000	60.100	46.800	17.900
26	11: 0	13.000	31.900	16.500	1.700	73.700	74.600	76.000	61.600	46.100	19.800
27	11:30	13.200	31.700	17.600	1.800	74.100	74.700	75.700	61.400	45.700	19.800
28	12: 0	13.600	32.600	18.700	1.900	74.000	74.400	75.600	62.800	46.400	19.500
29	12:30	14.200	34.400	19.600	2.100	72.700	73.500	72.500	61.100	46.900	20.900
30	13: 0	14.900	34.400	20.300	2.200	71.100	72.800	71.200	59.800	46.900	21.300
31	13:30	14.800	34.300	20.700	2.300	68.700	69.800	67.100	57.200	44.300	20.700
32	14: 0	14.200	33.700	20.400	2.400	65.600	66.600	62.300	54.300	41.000	18.800
33	14:30	13.400	33.900	19.800	2.400	61.800	63.000	58.500	51.000	38.900	17.900
34	15: 0	12.900	33.500	19.200	2.400	57.800	59.000	54.200	47.300	37.600	17.700
35	15:30	12.400	32.800	18.900	2.400	54.100	55.400	50.700	44.900	36.300	16.600
36	16: 0	11.800	31.900	18.300	2.400	50.400	51.900	47.800	42.100	35.000	16.500
37	16:30	11.400	30.700	18.100	2.400	47.200	48.500	44.200	39.700	33.300	16.500
38	17: 0	11.100	29.300	17.700	2.300	43.800	45.100	40.600	36.900	30.400	14.200
39	17:30	10.100	27.400	16.600	2.300	40.500	41.000	37.500	34.200	28.300	12.900
40	18: 0	9.200	25.800	15.700	2.200	37.700	38.600	34.600	31.300	26.200	12.000
41	18:30	8.600	24.200	14.700	2.200	34.900	35.700	31.600	28.600	23.900	11.200
42	19: 0	8.000	22.900	13.600	2.200	32.300	33.000	29.300	26.600	21.700	9.700
43	19:30	7.300	21.200	12.800	2.200	30.000	30.800	27.300	24.400	19.900	8.700
44	25:30	-0.800	-0.300	-1.000	-0.800	0.900	0.200	-0.900	-0.800	-1.300	-0.600

TITLE = CASE 13-2　DATE 85/10/30　TIME 16:22:26

LOOP	TIME	131 T= 47	132 T= 51	133 T= 52	134 T= 53	135 T= 54	136 T= 61	137 T= 62	138 T= 63	139 T= 64	140 T= 65
INITIAL		17.300	19.100	17.900	17.200	17.300	18.400	18.100	16.900	17.100	17.000
FINAL		16.700	19.500	17.300	16.600	16.700	18.600	17.600	16.400	16.700	16.500
		(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	-0.100	-0.100	0.0	0.0	0.0	-0.100	0.0	0.0	0.0
3	0: 0	0.0	-0.100	-0.100	0.0	-0.100	0.100	0.0	0.300	0.0	0.0
4	0: 0	0.0	0.300	0.0	0.0	-0.100	0.300	0.0	0.0	0.100	0.0
5	0:30	0.100	0.400	0.0	0.0	-0.100	0.600	0.100	0.200	0.100	0.0
6	1: 0	0.100	11.600	3.600	0.100	0.0	0.700	0.300	0.300	0.200	0.0
7	1:30	0.200	25.300	11.700	0.400	0.0	16.500	10.700	2.100	0.200	0.100
8	2: 0	0.200	30.700	19.200	0.900	0.100	23.300	18.800	4.500	0.200	0.100
9	2:30	0.300	34.300	24.100	1.600	0.200	27.000	24.300	10.000	0.300	0.200
10	3: 0	0.400	37.700	27.600	2.200	0.100	29.600	27.000	16.900	0.300	0.200
11	3:30	0.500	41.000	30.700	4.400	0.400	32.500	30.600	19.600	0.700	0.100
12	4: 0	0.600	45.400	33.900	7.400	0.500	36.000	33.700	22.100	0.900	0.100
13	4:30	0.600	47.700	37.700	11.300	0.600	38.200	36.900	26.400	1.100	0.100
14	5: 0	0.700	50.900	40.600	14.500	0.600	40.900	40.000	29.100	1.400	0.300
15	5:30	0.800	52.200	43.500	17.000	0.700	43.000	42.500	31.300	1.800	0.500
16	6: 0	0.800	54.800	45.800	20.700	0.900	45.700	44.900	34.600	2.300	0.500
17	6:30	0.900	56.100	48.400	23.500	1.000	47.000	46.400	36.300	2.900	0.500
18	7: 0	1.000	59.100	49.600	25.900	1.100	49.000	47.800	37.000	3.500	0.600
19	7:30	1.100	59.900	51.300	27.300	1.300	49.800	49.700	39.600	4.400	0.600
20	8: 0	1.200	61.400	53.400	28.800	1.400	51.900	51.200	40.500	5.300	0.700
21	8:30	1.300	62.900	54.300	30.300	1.600	52.400	52.500	41.700	6.100	0.800
22	9: 0	1.400	63.600	56.000	31.100	1.800	53.200	53.900	41.200	7.000	0.800
23	9:30	1.400	64.500	56.500	31.500	2.000	54.900	54.600	43.800	7.500	0.900
24	10: 0	1.500	65.000	58.400	32.700	2.200	55.600	55.400	44.400	8.400	0.900
25	10:30	1.600	66.300	58.600	33.100	2.500	55.800	55.900	45.300	9.100	1.000
26	11: 0	1.700	65.400	59.200	34.400	2.700	56.500	56.100	45.800	9.400	1.200
27	11:30	1.700	66.300	59.200	35.400	3.000	55.700	56.600	46.300	9.900	1.300
28	12: 0	1.900	66.500	59.100	35.600	3.200	56.600	56.900	46.900	10.300	1.500
29	12:30	1.900	65.400	59.400	35.500	3.600	56.800	56.400	46.300	10.800	1.700
30	13: 0	2.000	64.400	57.700	35.800	3.900	55.200	55.700	45.900	10.900	1.800
31	13:30	2.100	62.100	56.300	34.200	3.900	53.700	54.600	45.400	10.700	1.700
32	14: 0	2.200	58.200	53.200	33.200	3.900	51.400	52.100	44.300	10.600	1.700
33	14:30	2.200	56.300	50.600	31.400	3.900	48.000	49.700	41.900	10.400	1.800
34	15: 0	2.200	51.000	47.600	30.100	3.800	45.400	46.500	39.400	9.700	1.600
35	15:30	2.100	47.400	44.600	28.800	3.700	42.900	43.900	37.700	9.100	1.500
36	16: 0	2.100	45.000	42.400	27.900	3.700	40.400	40.800	35.900	9.000	1.600
37	16:30	2.000	41.800	39.900	26.000	3.700	37.900	38.700	33.300	8.700	1.500
38	17: 0	1.900	38.900	37.400	23.900	3.300	36.000	36.400	31.900	8.300	1.600
39	17:30	1.900	36.200	34.900	22.800	3.400	33.000	33.900	29.600	8.100	1.700
40	18: 0	1.900	33.100	32.700	20.800	3.400	30.900	31.800	28.100	7.600	1.700
41	18:30	1.800	30.900	30.300	18.900	3.300	28.900	29.500	25.800	6.700	1.600
42	19: 0	1.800	28.900	28.000	16.300	3.000	26.700	27.600	23.900	5.900	1.600
43	19:30	1.800	26.700	26.400	14.300	2.900	25.000	26.000	22.800	5.600	1.600
44	25:30	-0.600	0.400	-0.600	-0.600	-0.600	0.200	-0.300	-0.500	-0.400	-0.300

TITLE = CASE 13-2 DATE 85/10/30 TIME 16122126

CH. INDEX		141 T= 71	142 T= 72	143 T= 73	144 T= 74	145 T= 81	146 T= 82	147 T= 83	148 T= 84	149 T= 85	150 T= 91
INITIAL		16.600	17.100	16.900	16.800	17.400	17.500	17.000	17.000	16.900	17.100
FINAL		17.000	16.800	16.500	16.500	17.400	17.400	16.800	16.700	16.600	17.100
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	-0.100	-0.100	0.0	0.0	0.0	-0.100	0.0	0.0	0.0	0.0
3	0: 0	-0.100	-0.100	0.0	0.0	-0.100	-0.100	-0.100	0.0	0.0	0.0
4	0: 0	0.200	0.100	0.0	0.100	0.100	-0.100	-0.100	0.0	0.0	0.0
5	0:30	0.500	0.100	0.0	0.100	0.200	0.0	-0.100	0.0	0.100	0.100
6	1: 0	0.800	0.100	0.0	0.100	0.400	0.100	-0.100	0.0	0.100	0.200
7	1:30	4.700	1.600	0.100	0.100	0.900	0.200	0.0	0.0	0.100	0.300
8	2: 0	16.400	5.900	0.100	0.100	6.100	3.200	0.100	0.0	0.100	0.600
9	2:30	21.100	12.100	1.600	0.100	13.700	8.500	1.800	0.100	0.100	5.900
10	3: 0	25.500	16.700	3.100	0.200	17.300	13.400	6.200	0.100	0.100	10.600
11	3:30	26.500	20.000	6.100	0.300	19.600	17.400	9.600	0.300	0.100	13.500
12	4: 0	27.900	22.400	9.100	0.300	21.900	20.200	12.400	0.400	0.100	15.900
13	4:30	30.700	24.800	12.400	0.400	23.400	22.500	14.800	0.900	0.200	17.700
14	5: 0	34.100	27.700	15.600	0.600	27.000	25.200	17.000	1.600	0.700	19.800
15	5:30	36.300	30.300	17.600	0.500	29.000	27.900	19.200	2.100	0.700	22.200
16	6: 0	38.700	32.700	20.000	0.600	31.200	29.800	21.100	2.700	0.300	24.200
17	6:30	40.300	34.400	22.000	0.700	33.000	31.700	22.900	3.600	0.300	26.100
18	7: 0	41.600	36.900	23.900	0.900	34.500	33.400	24.400	4.600	0.400	27.700
19	7:30	43.600	38.400	25.200	1.100	35.600	34.500	25.600	5.600	0.400	29.000
20	8: 0	45.900	39.700	26.500	1.300	37.000	36.000	27.100	6.700	0.500	30.400
21	8:30	45.600	40.800	27.600	1.600	37.700	37.100	28.100	7.700	0.600	31.400
22	9: 0	47.200	42.000	28.700	1.800	39.000	38.100	29.100	8.700	0.600	32.400
23	9:30	47.600	43.000	29.600	2.100	40.300	39.400	30.100	9.500	0.600	33.600
24	10: 0	47.800	43.400	30.100	2.500	40.600	40.100	30.900	10.300	0.700	34.500
25	10:30	49.300	44.600	31.100	2.900	41.400	40.900	31.700	10.800	0.800	35.200
26	11: 0	48.900	45.400	31.500	3.200	42.100	41.400	32.400	11.100	1.000	35.800
27	11:30	50.700	46.400	32.000	3.800	42.900	41.900	32.800	11.700	1.100	36.100
28	12: 0	49.500	46.900	32.400	4.200	42.800	42.300	33.200	12.200	1.300	36.600
29	12:30	49.000	46.100	32.400	4.100	42.600	42.100	33.600	12.400	1.400	36.600
30	13: 0	49.100	45.900	32.000	4.100	42.000	42.100	33.400	12.400	1.400	37.100
31	13:30	48.400	45.800	32.000	4.100	42.200	41.900	33.400	12.300	1.400	37.000
32	14: 0	47.300	44.800	31.200	4.100	41.000	41.100	33.200	12.300	1.400	36.400
33	14:30	44.200	42.800	29.600	3.800	40.000	39.900	32.600	12.200	1.400	35.800
34	15: 0	42.100	41.000	28.000	3.400	38.100	38.800	31.500	11.800	1.400	34.800
35	15:30	39.500	39.000	26.600	3.700	36.100	36.300	30.100	11.400	1.400	33.100
36	16: 0	37.100	37.000	25.100	3.200	34.000	34.100	28.500	10.600	1.300	31.200
37	16:30	35.100	35.000	23.000	3.400	32.400	32.900	27.400	10.900	1.400	29.400
38	17: 0	33.300	33.500	22.400	3.500	30.400	30.900	26.100	10.100	1.500	28.400
39	17:30	31.900	31.800	21.700	3.500	29.500	29.300	25.100	9.800	1.300	27.200
40	18: 0	29.700	29.800	20.300	3.800	27.600	27.700	23.700	9.200	1.500	25.900
41	18:30	27.900	28.200	18.900	2.000	25.700	26.000	22.800	8.900	1.500	24.500
42	19: 0	25.600	26.400	17.800	2.800	24.400	24.700	21.200	8.100	1.400	23.100
43	19:30	24.700	24.800	16.200	2.400	22.900	23.000	20.000	7.700	1.400	22.000
44	25:30	-0.200	-0.300	-0.400	-0.100	0.0	-0.100	-0.200	-0.300	-0.300	0.0

TITLE = CASE 13-2 DATE 85/10/30 TIME 16122126

CH. INDEX		151 T= 92	152 T= 93	153 T= 94	154 T=101	155 T=102	156 T=103	157 T=104	158 T=105	159 T=111	160 T=112
INITIAL		17.100	16.900	16.600	17.100	16.900	16.900	16.900	16.800	16.900	16.700
FINAL		17.000	16.600	16.300	17.100	17.000	16.600	16.500	16.400	16.800	16.700
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0: 0	-0.100	0.100	0.0	0.0	0.0	0.0	0.0	0.100	-0.100	0.0
4	0: 0	-0.100	0.0	0.0	0.0	-0.100	-0.100	0.0	0.0	-0.100	0.0
5	0:30	-0.100	0.0	-0.100	0.0	-0.100	-0.100	0.0	0.0	-0.100	0.0
6	1: 0	0.0	0.0	0.0	0.0	-0.100	-0.100	0.0	0.0	-0.100	0.0
7	1:30	0.0	0.0	0.0	0.100	-0.100	0.0	0.0	0.0	-0.100	-0.100
8	2: 0	0.100	0.100	0.0	0.200	0.0	0.0	0.100	0.100	0.0	0.0
9	2:30	1.500	0.100	0.0	0.500	0.700	0.100	0.100	0.100	0.100	-0.100
10	3: 0	4.100	0.200	0.100	4.400	3.100	0.400	0.100	0.100	0.700	0.0
11	3:30	7.300	0.800	0.100	6.100	7.100	1.500	0.100	0.100	4.800	1.500
12	4: 0	10.200	2.600	0.100	10.400	10.100	4.500	0.200	0.100	8.300	3.000
13	4:30	12.800	4.700	0.200	13.300	12.900	7.100	0.400	0.200	10.500	5.100
14	5: 0	14.900	6.400	0.200	14.900	14.800	9.500	0.400	0.200	12.300	7.300
15	5:30	17.100	9.300	0.300	17.200	17.100	11.400	1.000	0.200	14.100	9.300
16	6: 0	19.400	11.400	0.400	19.200	19.200	13.300	1.000	0.200	15.900	11.300
17	6:30	21.300	13.400	0.700	20.700	21.000	14.900	2.400	0.200	17.800	13.700
18	7: 0	23.200	14.800	1.000	22.400	22.400	16.500	2.800	0.300	19.400	14.800
19	7:30	25.000	16.400	1.400	25.700	24.100	17.900	4.100	0.300	20.500	16.400
20	8: 0	26.400	17.500	2.100	26.000	25.400	19.100	4.500	0.300	21.700	17.000
21	8:30	27.900	18.700	2.400	26.400	26.000	20.200	5.500	0.400	22.900	19.400
22	9: 0	28.000	19.600	3.100	27.100	27.600	21.200	6.900	0.500	24.000	20.500
23	9:30	29.500	20.600	3.600	28.200	28.400	21.900	7.500	0.800	24.600	21.700
24	10: 0	31.000	21.400	4.500	28.900	29.300	22.000	7.400	1.000	25.300	22.400
25	10:30	31.600	21.800	4.500	29.700	29.900	23.400	7.800	1.400	26.500	23.300
26	11: 0	32.100	22.500	5.200	30.400	30.600	24.300	8.400	1.600	26.700	24.200
27	11:30	33.100	23.000	5.600	30.400	31.200	24.700	9.400	1.800	27.200	24.900
28	12: 0	33.600	23.400	5.700	31.000	31.800	25.100	9.700	1.700	27.800	25.300
29	12:30	34.300	23.700	5.500	31.400	32.200	25.700	10.500	1.800	28.400	25.800
30	13: 0	34.400	24.100	5.900	31.800	32.300	25.800	10.800	1.700	28.500	26.100
31	13:30	34.000	24.000	5.900	31.600	32.400	26.200	10.400	1.800	28.700	26.400
32	14: 0	34.200	23.800	5.200	31.700	32.400	26.200	11.100	1.500	28.700	26.800
33	14:30	33.600	23.400	5.100	31.700	32.000	26.000	11.300	1.800	28.500	26.700
34	15: 0	32.600	22.800	5.100	31.000	31.300	25.600	10.800	1.700	27.900	26.100
35	15:30	31.100	21.400	4.800	30.000	30.100	24.000	10.300	1.600	27.200	25.100
36	16: 0	29.700	20.400	4.000	28.300	28.700	24.900	9.800	1.900	26.800	24.800
37	16:30	28.000	19.100	4.400	27.300	27.600	23.000	9.100	2.000	24.900	23.800
38	17: 0	27.400	18.200	4.100	25.800	26.700	21.700	8.800	1.800	23.900	22.900
39	17:30	26.100	17.300	3.400	24.800	25.700	20.800	8.700	1.800	22.700	21.900
40	18: 0	24.900	16.500	3.400	23.800	24.100	20.300	7.700	1.600	21.800	21.300
41	18:30	23.800	15.700	3.100	22.700	23.000	19.400	7.400	1.600	21.400	20.400
42	19: 0	22.400	14.700	3.000	21.500	21.900	18.400	7.000	1.400	20.100	19.700
43	19:30	21.500	13.400	2.600	20.600	21.000	17.600	6.400	1.100	19.300	18.800
44	25:30	-0.100	-0.300	-0.500	0.0	0.100	-0.300	-0.400	-0.400	-0.100	0.0

TITLE = CASE 13-2 DATE 85/10/30 TIME 16122126

CH. INDEX		161 T=113	162 T=114	163 T=121	164 T=122	165 T=123	166 T=124	167 T=125	168 T=131	169 T=132	170 T=133
INITIAL		16.700	16.800	16.400	16.600	16.700	16.700	16.700	16.600	16.900	16.500
FINAL		16.300	16.400	16.400	16.400	16.500	16.400	16.200	16.400	16.300	16.300
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.100	-0.100	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.0
3	0: 0	0.0	0.0	-0.100	0.100	-0.100	0.0	0.0	0.0	0.0	0.0
4	0: 0	0.0	-0.100	0.0	0.0	-0.100	0.0	-0.100	-0.100	0.0	0.0
5	0:30	0.0	-0.100	-0.200	0.100	-0.100	0.0	-0.100	-0.100	0.0	0.0
6	1: 0	0.0	-0.100	-0.100	0.100	-0.100	-0.100	-0.100	-0.100	0.0	0.0
7	1:30	0.0	-0.100	0.0	0.0	-0.200	0.0	-0.100	-0.100	-0.100	0.0
8	2: 0	0.0	0.0	0.0	0.0	-0.200	0.0	-0.100	-0.100	0.0	0.0
9	2:30	0.100	0.0	0.100	0.0	-0.100	0.0	-0.100	-0.100	0.0	0.0
10	3: 0	0.100	0.0	0.100	0.100	-0.100	0.0	0.0	-0.100	0.0	0.0
11	3:30	0.100	0.0	0.100	0.200	-0.100	0.100	0.0	-0.100	0.0	0.0
12	4: 0	0.200	0.0	4.100	1.300	0.300	0.100	0.0	-0.100	0.0	0.0
13	4:30	0.600	0.100	7.200	3.000	1.100	0.100	0.0	2.200	1.700	0.0
14	5: 0	1.700	0.100	9.200	4.900	2.600	0.100	0.100	4.900	1.800	0.100
15	5:30	3.600	0.100	10.900	6.900	4.500	0.200	0.100	7.200	3.700	0.600
16	6: 0	5.600	0.200	12.200	8.800	6.600	0.600	0.100	8.800	5.600	1.600
17	6:30	7.500	0.600	13.900	10.900	8.100	1.200	0.100	10.700	7.600	2.800
18	7: 0	9.200	0.800	15.100	12.600	9.800	1.900	0.100	11.700	9.100	4.800
19	7:30	10.700	1.000	16.700	14.000	11.200	3.100	0.200	12.000	11.000	5.900
20	8: 0	12.100	1.400	17.900	15.900	12.500	4.100	0.200	13.000	12.500	6.700
21	8:30	13.300	2.000	18.700	17.000	13.600	5.500	0.400	13.000	13.600	8.100
22	9: 0	14.300	2.600	19.700	18.100	14.700	6.400	0.700	15.700	14.900	8.900
23	9:30	15.100	3.300	20.500	18.900	15.600	6.900	0.900	16.500	15.600	9.700
24	10: 0	15.700	3.700	21.300	19.700	16.400	7.800	1.300	17.200	16.700	10.500
25	10:30	16.400	4.500	21.800	20.700	17.100	8.100	1.700	17.900	17.400	11.000
26	11: 0	17.000	5.100	22.700	21.300	17.700	8.900	1.700	18.600	17.900	11.300
27	11:30	17.500	5.100	22.900	21.000	18.200	8.000	1.700	19.200	18.800	11.800
28	12: 0	17.700	5.800	23.700	22.600	18.600	8.500	1.800	19.900	19.100	12.100
29	12:30	18.300	5.900	23.900	23.100	19.400	8.900	1.900	20.500	19.700	12.800
30	13: 0	18.700	5.400	24.200	23.300	19.000	8.900	1.400	20.900	20.300	13.100
31	13:30	18.800	5.000	24.700	23.400	20.200	9.200	1.500	21.000	20.900	13.200
32	14: 0	18.700	4.900	25.100	23.700	20.200	9.200	1.900	21.000	20.800	13.500
33	14:30	18.700	5.400	25.000	23.800	20.600	8.700	1.700	21.300	20.600	13.500
34	15: 0	18.600	4.200	24.700	23.600	20.200	8.100	1.700	21.300	20.800	13.500
35	15:30	18.000	4.700	24.100	23.100	20.100	8.400	1.900	21.100	20.500	13.100
36	16: 0	17.200	4.700	23.400	22.400	19.600	8.200	2.100	20.800	20.200	12.600
37	16:30	16.300	4.300	22.600	21.500	18.900	7.100	1.900	20.200	19.600	11.700
38	17: 0	15.400	3.600	21.100	20.000	18.100	6.900	1.900	19.400	18.800	11.100
39	17:30	14.600	3.700	20.500	19.900	17.300	6.000	1.600	18.400	18.300	10.800
40	18: 0	13.800	3.200	19.700	19.400	16.600	6.000	1.700	17.800	17.500	10.300
41	18:30	13.300	3.200	19.100	18.400	16.100	5.200	1.300	17.300	17.000	10.200
42	19: 0	12.400	2.600	18.600	18.000	15.500	4.400	1.200	16.500	16.300	9.800
43	19:30	11.700	2.400	17.600	17.400	14.900	3.000	1.400	16.100	16.100	9.100
44	25:30	-0.400	-0.400	-0.400	-0.200	-0.200	-0.300	-0.500	-0.300	-0.200	-0.200

TITLE = CASE 13-2 DATE 85/10/30 TIME 16122126

CH. INDEX		171 T=134	172 T=141	173 T=151	201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31
INITIAL		16.700	20.100	17.000	0.146	0.146	0.158	0.158	0.161	0.159	0.150
FINAL		16.200	21.800	17.700	0.151	0.155	0.166	0.157	0.159	0.160	0.136
LOOP	TIME	(C)	(C)	(C)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	0.0	0.0	0.0	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	-0.100	-0.200	0.0	100.056	100.056	100.032	100.019	99.996	100.075	100.070
3	0: 0	-0.100	-0.200	0.0	100.159	100.165	100.051	100.126	99.966	100.165	99.973
4	0: 0	-0.100	-0.100	0.0	100.149	100.139	100.116	100.000	100.062	100.113	100.067
5	0:30	-0.100	-0.400	0.0	89.087	93.555	98.554	100.165	100.062	100.176	94.962
6	1: 0	-0.100	-0.500	0.0	90.136	81.600	91.066	100.256	100.008	100.201	86.111
7	1:30	-0.100	-0.100	0.0	86.628	86.500	88.206	96.301	99.966	100.201	87.606
8	2: 0	-0.100	-0.400	0.0	91.346	90.088	90.676	96.009	100.000	100.187	87.295
9	2:30	0.0	-0.500	0.0	92.698	91.766	95.538	85.817	99.680	100.165	98.749
10	3: 0	0.0	-0.600	0.0	95.000	92.455	95.027	92.303	99.963	100.170	97.027
11	3:30	0.0	-0.300	0.0	93.555	92.877	96.617	98.657	99.671	100.207	93.675
12	4: 0	0.0	-0.300	0.0	96.997	96.020	96.206	95.367	99.033	100.087	93.671
13	4:30	0.0	-0.200	0.0	96.911	96.016	96.067	97.061	96.606	100.165	96.727
14	5: 0	0.0	0.0	0.0	96.707	93.637	96.771	97.308	89.562	100.063	96.356
15	5:30	0.0	0.200	0.100	91.650	90.767	95.696	92.361	88.059	99.031	87.906
16	6: 0	0.0	0.300	0.0	90.721	89.560	93.108	88.666	86.695	99.081	88.196
17	6:30	0.0	0.400	0.0	92.686	89.051	94.256	86.668	86.887	99.068	90.186
18	7: 0	0.100	0.700	0.0	92.097	91.026	93.966	85.506	85.066	99.700	91.189
19	7:30	0.300	0.700	0.0	92.098	90.316	95.355	88.929	83.166	99.300	91.268
20	8: 0	0.600	0.800	0.0	92.126	90.610	96.338	89.615	86.816	99.405	91.881
21	8:30	1.100	1.000	0.0	90.896	89.700	96.616	87.957	86.258	90.377	91.215
22	9: 0	1.200	1.000	0.0	90.673	88.516	93.190	88.667	82.128	88.930	90.378
23	9:30	1.600	1.100	0.0	97.556	90.078	96.665	88.020	81.069	97.626	91.128
24	10: 0	2.000	1.100	0.0	87.516	87.665	96.635	86.978	81.156	98.378	90.716
25	10:30	2.200	1.300	0.0	86.095	86.616	92.821	85.203	78.973	96.687	87.635
26	11: 0	2.200	1.500	0.0	85.271	85.628	90.556	82.505	77.050	96.915	86.913
27	11:30	2.600	1.600	0.0	85.652	81.991	91.616	78.825	76.609	91.980	86.306
28	12: 0	2.600	1.500	0.0	83.679	86.301	90.188	81.662	76.562	90.269	85.279
29	12:30	2.600	1.600	0.0	83.221	83.668	91.735	82.180	76.899	86.176	85.865
30	13: 0	2.100	1.700	0.0	80.689	81.709	88.266	80.801	77.535	82.137	83.945
31	13:30	2.300	1.600	0.0	79.119	80.656	80.511	80.706	76.639	81.005	81.658
32	14: 0	2.600	1.600	0.0	80.490	80.166	80.760	77.663	73.721	86.017	80.713
33	14:30	2.500	1.500	0.0	80.592	79.172	86.860	79.712	77.916	86.313	80.667
34	15: 0	2.500	1.600	0.0	80.661	81.566	87.197	79.158	72.078	85.616	87.578
35	15:30	2.600	1.600	-0.100	79.605	81.567	87.898	78.873	71.805	85.557	87.098
36	16: 0	2.600	1.600	-0.100	78.520	79.662	88.658	76.122	76.757	87.515	86.608
37	16:30	2.500	1.600	0.0	78.767	82.191	88.911	79.750	75.667	88.766	79.981
38	17: 0	2.000	1.600	-0.100	79.971	82.386	89.561	81.956	76.170	87.626	81.931
39	17:30	2.100	1.500	0.0	79.766	76.161	87.810	79.666	75.067	88.601	81.918
40	18: 0	1.700	1.500	0.0	77.391	80.167	85.663	79.783	77.063	90.976	81.691
41	18:30	1.600	1.600	0.0	77.788	81.666	89.269	82.676	76.655	87.751	88.571
42	19: 0	1.800	1.600	0.0	76.902	76.366	88.286	88.395	77.511	89.616	81.778
43	19:30	1.500	1.300	0.0	77.661	81.698	89.060	85.221	77.026	89.726	81.080
44	25:30	-0.500	1.700	0.100	91.250	93.661	93.691	95.961	98.797	100.390	89.899

TITLE = CASE 13-2 DATE 85/10/30 TIME 10:22:26

CH. INDEX		208 S= 32	209 S= 33	210 S= 34	211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 45	217 S= 51
INITIAL		0.164	0.160	0.164	0.154	0.160	0.171	0.160	0.164	0.159	0.156
FINAL		0.150	0.155	0.156	0.154	0.147	0.158	0.157	0.161	0.162	0.143
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	100.049	100.024	100.065	100.071	100.030	100.012	100.030	99.980	99.969	100.000
3	0: 0	100.128	99.966	100.110	99.987	100.096	100.012	100.077	99.951	100.534	99.974
4	0: 0	100.140	100.045	100.005	100.086	100.088	100.070	100.083	100.012	100.521	100.077
5	0:30	98.951	100.030	100.097	100.066	100.108	100.094	100.125	99.982	100.641	100.066
6	1: 0	87.926	96.676	100.049	100.026	93.147	95.746	99.369	99.988	100.626	96.721
7	1:30	72.320	88.738	97.966	100.065	82.316	86.389	98.628	100.049	100.578	89.289
8	2: 0	70.060	88.772	88.501	100.091	85.168	81.166	87.728	100.055	100.303	86.731
9	2:30	82.369	89.166	89.201	100.121	89.895	85.666	88.913	100.065	100.928	89.352
10	3: 0	87.961	89.749	83.603	100.047	91.927	89.187	88.354	99.645	100.371	89.255
11	3:30	89.065	91.862	88.029	100.045	91.908	88.768	99.016	96.092	100.556	90.593
12	4: 0	89.556	91.066	89.026	100.121	92.605	90.061	92.058	87.751	100.389	91.316
13	4:30	91.860	93.409	91.626	99.666	96.760	92.565	92.667	90.717	100.466	91.592
14	5: 0	90.372	94.162	91.699	99.603	96.922	92.578	93.695	89.301	100.572	92.681
15	5:30	88.766	93.667	90.968	98.982	96.170	92.398	94.701	90.461	100.703	92.617
16	6: 0	83.032	88.661	88.863	98.001	90.552	86.166	93.066	90.595	100.773	90.908
17	6:30	85.666	88.716	87.558	96.796	89.257	86.099	89.169	88.386	100.960	88.595
18	7: 0	86.290	88.863	86.018	97.307	91.077	88.629	91.337	86.250	100.686	86.259
19	7:30	88.366	91.301	85.598	95.618	91.915	89.931	91.863	87.092	100.676	86.988
20	8: 0	88.866	93.196	86.369	96.069	91.639	90.200	90.066	86.262	100.636	87.856
21	8:30	88.565	91.616	88.162	96.750	92.277	90.587	92.662	87.000	100.366	87.115
22	9: 0	87.303	92.579	88.253	91.741	90.749	89.978	92.262	87.076	100.180	87.115
23	9:30	86.998	90.296	88.126	90.118	91.227	88.861	90.267	86.378	100.063	86.166
24	10: 0	87.665	90.780	88.197	88.635	92.621	90.536	90.981	85.916	99.698	86.201
25	10:30	83.618	90.603	85.459	86.672	90.639	88.760	90.785	86.601	99.568	86.082
26	11: 0	81.276	87.597	85.826	81.301	86.900	86.906	90.503	83.971	99.001	85.302
27	11:30	81.602	86.619	81.607	81.796	86.612	81.591	86.929	81.355	93.575	80.766
28	12: 0	79.362	86.711	78.121	79.667	86.590	82.908	86.926	81.216	93.575	79.863
29	12:30	82.196	87.002	78.366	79.126	86.665	86.129	86.645	83.966	86.798	79.659
30	13: 0	79.630	86.909	80.603	78.792	86.601	83.632	87.222	79.915	85.517	78.679
31	13:30	76.372	83.515	79.603	78.032	86.826	82.309	85.176	78.259	88.056	77.566
32	14: 0	75.921	85.123	77.001	77.696	82.615	80.720	85.956	80.826	90.730	75.676
33	14:30	76.612	86.610	77.916	78.532	82.729	80.256	83.501	80.970	92.165	76.899
34	15: 0	76.260	86.665	76.270	78.796	82.196	77.391	82.662	79.353	91.220	76.809
35	15:30	76.096	86.279	75.687	79.673	82.905	80.976	85.369	79.208	96.781	76.766
36	16: 0	75.116	82.671	75.289	81.652	83.867	81.156	86.008	80.626	96.896	76.169
37	16:30	75.197	81.532	75.589	80.831	82.975	81.027	88.341	79.707	92.512	76.151
38	17: 0	76.372	82.996	76.136	81.269	82.596	78.963	81.967	79.687	96.287	76.073
39	17:30	80.196	80.866	75.666	82.650	83.836	81.975	83.751	80.609	95.158	76.201
40	18: 0	79.611	81.788	76.299	83.996	86.130	82.291	83.995	80.165	95.030	76.087
41	18:30	77.015	81.151	75.302	83.998	83.686	82.028	86.371	79.729	92.777	75.690
42	19: 0	76.920	79.772	75.692	85.167	82.916	79.786	86.638	79.687	95.805	76.861
43	19:30	76.563	81.692	75.396	86.969	82.672	80.561	81.068	77.907	95.855	75.965
44	25:30	91.159	97.163	96.636	99.066	92.165	92.216	93.212	98.165	101.507	91.616

TITLE = CASE 13-2 DATE 85/10/30 TIME 10:22:26

CH. INDEX		218 S= 52	219 S= 53	220 S= 54	221 S= 61	222 S= 62	223 S= 63	224 S= 64	225 S= 71	226 S= 72	227 S= 81
INITIAL		0.164	0.167	0.158	0.156	0.162	0.165	0.157	0.152	0.157	0.159
FINAL		0.150	0.162	0.159	0.161	0.158	0.158	0.157	0.160	0.159	0.167
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	99.951	99.988	99.912	100.026	100.066	99.897	99.987	99.895	100.096	99.975
3	0: 0	100.666	99.976	100.505	100.026	100.093	100.675	100.186	100.105	100.000	99.961
4	0: 0	100.422	100.010	100.660	100.039	100.076	100.561	100.190	100.171	100.015	99.801
5	0:30	100.507	99.987	100.569	100.039	100.117	100.687	100.178	100.257	100.000	99.691
6	1: 0	90.761	99.976	100.512	100.013	100.162	100.692	100.178	100.206	100.015	99.653
7	1:30	96.681	100.012	100.668	89.561	97.626	100.769	100.165	82.861	100.025	99.671
8	2: 0	96.670	99.070	100.256	79.817	88.901	86.277	100.115	76.618	100.038	90.606
9	2:30	81.370	92.916	100.368	77.667	79.397	77.028	100.155	60.327	99.075	80.252
10	3: 0	85.561	88.665	100.290	60.660	78.669	61.716	100.160	66.698	99.561	70.356
11	3:30	85.631	90.273	100.392	83.631	83.629	61.899	100.101	75.225	99.220	68.316
12	4: 0	89.020	86.157	100.139	85.765	86.856	70.786	100.127	80.266	98.685	73.658
13	4:30	86.629	86.518	100.101	86.557	87.136	71.778	100.165	85.152	87.832	78.362
14	5: 0	88.759	88.908	100.076	88.365	87.216	76.356	100.197	86.176	66.862	82.206
15	5:30	90.621	90.566	100.019	88.566	89.905	81.188	100.225	86.388	69.367	85.251
16	6: 0	89.902	91.658	99.026	88.760	86.866	85.851	100.229	87.819	67.910	87.173
17	6:30	83.790	92.121	95.362	81.668	85.671	81.658	100.177	85.619	67.775	87.660
18	7: 0	82.276	91.683	99.211	79.669	85.167	78.107	100.160	80.976	58.235	85.026
19	7:30	81.582	90.605	96.907	80.666	83.639	80.916	100.180	78.505	58.067	81.612
20	8: 0	86.586	90.873	96.887	82.660	86.515	82.763	100.025	78.916	58.067	81.078
21	8:30	86.211	88.666	92.796	82.661	86.115	86.856	99.820	80.569	57.787	82.690
22	9: 0	85.565	88.897	93.601	82.672	86.008	85.226	99.816	80.560	55.109	82.979
23	9:30	87.207	88.599	88.860	81.630	82.761	81.621	99.660	80.761	56.365	82.761
24	10: 0	83.661	88.575	86.155	81.097	83.001	81.606	98.965	79.005	52.590	82.187
25	10:30	83.170	80.655	82.286	82.072	83.561	86.670	97.799	79.193	53.279	81.988
26	11: 0	79.250	80.268	79.077	79.708	82.850	80.868	95.611	80.816	52.935	82.578
27	11:30	76.369	87.655	76.570	76.667	78.111	81.276	95.366	77.380	53.626	81.872
28	12: 0	76.905	85.335	79.815	77.959	76.725	77.229	91.971	77.606	53.368	77.780
29	12:30	75.066	81.161	76.857	77.606	75.805	76.027	91.627	77.151	56.739	75.739
30	13: 0	73.073	85.138	76.808	71.673	75.056	73.751	95.902	70.370	55.657	76.523
31	13:30	72.215	83.676	78.617	72.508	76.607	77.286	96.608	71.138	57.000	73.856
32	14: 0	69.735	83.183	79.660	70.166	73.205	75.302	95.366	69.786	59.626	73.676
33	14:30	68.996	82.966	80.119	68.161	71.317	76.976	95.627	68.261	68.661	71.776
34	15: 0	68.667	81.991	86.622	67.956	71.666	70.873	96.220	67.525	59.959	70.652
35	15:30	67.999	81.688	82.937	66.911	70.569	72.766	95.961	66.796	60.079	68.912
36	16: 0	69.168	81.031	81.966	67.611	71.711	71.966	95.196	66.662	63.806	69.398
37	16:30	69.968	80.066	86.206	66.007	71.602	76.567	96.571	68.235	65.378	68.018
38	17: 0	68.198	81.358	85.616	67.739	72.220	75.357	95.691	66.686	66.956	69.688
39	17:30	67.806	81.138	85.027	67.093	70.608	76.569	95.276	68.189	61.692	70.909
40	18: 0	66.665	60.788	80.656	67.026	71.565	73.206	96.005	67.781	62.087	70.339
41	18:30	68.898	79.996	89.667	67.310	70.668	73.196	96.038	67.762	61.306	70.682
42	19: 0	69.932	76.603	90.960	67.715	70.817	72.652	99.035	67.895	61.358	70.919
43	19:30	68.765	77.252	90.597	69.165	71.869	70.817	96.609	67.686	61.361	77.136
44	25:30	91.635	96.736	100.152	91.652	92.656	95.766	100.115	91.760	98.725	97.601

TITLE = CASE 13-2 DATE 85/10/30 TIME 10:22:26

CH. INDEX		228 S= 82	229 S= 83	230 S= 91	231 S= 92	232 S=101	233 S=102	234 S=103	235 S=111	236 S=112	237 S=121
INITIAL		0.156	0.155	0.158	0.156	0.165	0.157	0.159	0.159	0.156	0.161
FINAL		0.151	0.155	0.149	0.154	0.155	0.153	0.160	0.153	0.156	0.157
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	99.955	100.000	99.937	99.996	99.737	100.178	100.038	99.811	100.012	99.950
3	0: 0	100.080	100.052	100.116	100.065	99.969	100.166	100.075	100.082	99.866	99.969
4	0: 0	99.967	100.058	100.025	100.050	100.106	100.223	100.111	100.031	99.955	99.978
5	0:30	99.911	100.052	100.177	100.077	100.069	100.229	100.132	99.869	100.092	99.771
6	1: 0	99.053	100.050	100.152	100.077	99.859	100.038	100.138	99.307	100.136	99.792
7	1:30	99.766	100.071	100.215	100.066	99.965	100.197	100.160	99.378	100.123	99.627
8	2: 0	99.368	100.066	100.169	100.058	100.233	100.160	100.119	99.660	100.067	99.226
9	2:30	96.920	100.066	96.717	100.085	100.086	100.286	100.132	99.189	100.106	99.025
10	3: 0	87.090	100.052	88.292	100.077	85.916	98.296	100.151	99.769	100.001	99.156
11	3:30	67.316	100.032	80.505	100.038	73.536	92.933	100.166	81.756	100.606	98.777
12	4: 0	58.892	100.052	78.535	99.901	66.860	80.695	100.180	76.366	99.617	85.685
13	4:30	67.920	100.056	80.193	98.263	61.308	80.276	100.180	63.982	98.508	69.360
14	5: 0	58.169	100.071	82.086	96.369	62.212	63.616	100.132	58.710	91.351	60.197
15	5:30	51.296	100.032	85.067	93.978	66.766	36.967	99.962	58.706	82.360	53.008
16	6: 0	51.959	99.961	87.689	91.767	67.856	55.369	99.260	58.520	63.200	51.177
17	6:30	53.998	99.897	90.191	88.271	71.090	58.665	99.128	60.626	56.217	69.858
18	7: 0	57.900	99.276	91.335	87.769	76.635	61.627	98.665	65.637	69.955	69.556
19	7:30	60.055	98.802	89.089	87.099	79.318	63.966	97.679	68.077	66.839	52.558
20	8: 0	61.055	98.157	87.398	88.719	78.198	65.958	95.189	71.931	62.636	56.388
21	8:30	65.266	97.601	87.259	89.316	76.755	61.655	92.629	72.169	65.967	55.673
22	9: 0	69.765	96.605	88.805	89.631	77.650	39.998	86.268	72.918	66.876	55.807
23	9:30	76.322	95.835	88.603	89.669	76.560	38.769	81.677	76.068	66.916	57.856
24	10: 0	81.939	90.566	88.266	89.169	76.969	38.966	76.903	76.187	66.325	60.533
25	10:30	83.767	86.369	87.676	89.321	80.169	39.769	69.967	77.175	67.115	66.265
26	11: 0	82.960	80.378	87.563	89.601	79.368	39.736	67.886	77.587	63.897	68.065
27	11:30	86.112	78.902	87.660	88.701	79.575	40.017	76.161	77.092	61.638	70.758
28	12: 0	83.622	80.676	86.709	88.893	81.659	43.366	79.865	76.381	61.300	73.676
29	12:30	81.286	86.971	85.616	88.912	76.326	47.691	77.180	77.807	61.667	75.296
30	13: 0	78.705	86.240	82.736	88.900	76.900	52.801	76.165	76.337	62.808	75.781
31	13:30	76.737	86.806	82.190	89.667	71.761	56.039	79.952	73.760	42.107	74.689
32	14: 0	76.611	89.087	82.287	89.182	72.701	61.680	79.266	69.862	62.668	72.880
33	14:30	75.075	88.987	81.735	89.061	73.157	66.879	81.251	69.679	62.129	69.256
34	15: 0	73.960	88.662	80.966	89.306	76.299	67.388	86.965	69.667	61.760	66.565
35	15:30	73.273	91.076	79.865	88.668	70.766	67.888	89.736	67.087	61.183	60.760
36	16: 0	72.968	92.665	79.391	89.310	70.835	66.911	82.938	67.205	60.289	67.761
37	16:30	77.391	88.599	79.857	89.625	70.131	65.077	88.201	66.916	38.673	66.311
38	17: 0	73.555	90.110	78.993	89.001	70.206	65.261	90.767	66.297	38.516	66.608
39	17:30	71.961	93.006	79.234	90.965	69.906	65.007	88.091	66.266	38.371	65.265
40	18: 0	73.069	93.101	80.118	91.593	70.066	66.716	90.672	65.896	38.626	65.338
41	18:30	73.150	91.996	79.367	92.236	72.828	66.887	88.678	66.738	37.016	66.661
42	19: 0	73.662	92.978	79.569	92.966	72.828	68.868	91.507	68.982	39.281	66.716
43	19:30	73.633	91.928	79.618	91.825	73.175	68.859	91.788	67.926	39.876	68.672
44	25:30	96.568	99.701	96.518	99.051	95.027	97.733	100.213	98.673	99.610	97.219

TITLE = CASE 13-2 DATE 85/10/30 TIME 10:22:26

CH. INDEX		238 S=122	239 S=123	240 S=131
INITIAL		0.156	0.158	0.165
FINAL		0.156	0.158	0.150
LOOP	TIME	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000
2	0: 0	99.987	99.996	99.967
3	0: 0	100.077	100.099	99.988
4	0: 0	100.096	100.120	99.898
5	0:30	100.136	100.108	99.855
6	1: 0	99.962	100.051	99.206
7	1:30	99.996	100.080	98.068
8	2: 0	100.038	100.066	97.618
9	2:30	100.020	100.097	96.806
10	3: 0	100.065	100.082	95.515
11	3:30	99.761	100.101	94.388
12	4: 0	97.729	100.080	91.596
13	4:30	98.092	100.070	92.166
14	5: 0	88.216	100.082	91.055
15	5:30	75.656	100.019	89.721
16	6: 0	58.901	100.127	86.826
17	6:30	52.616	99.551	85.291
18	7: 0	68.967	99.310	82.970
19	7:30	51.891	98.966	80.958
20	8: 0	52.665	98.538	78.366
21	8:30	56.338	96.552	77.558
22	9: 0	56.709	88.696	76.061
23	9:30	53.073	87.686	75.315
24	10: 0	53.658	87.901	72.786
25	10:30	56.552	80.776	70.639
26	11: 0	56.373	77.031	67.570
27	11:30	55.775	72.172	67.600
28	12: 0	56.517	90.913	65.366
29	12:30	57.918	90.502	61.062
30	13: 0	57.912	96.990	61.279
31	13:30	59.025	95.607	57.776
32	14: 0	60.650	87.819	56.616
33	14:30	58.366	95.155	55.626
34	15: 0	56.519	91.602	52.565
35	15:30	65.190	96.362	52.897
36	16: 0	65.761	96.286	51.588
37	16:30	60.616	95.317	51.776
38	17: 0	70.791	96.982	51.115
39	17:30	71.220	95.816	51.668
40	18: 0	71.630	93.767	51.285
41	18:30	71.355	96.320	50.600
42	19: 0	71.962	96.051	51.588
43	19:30	72.202	96.311	50.061
44	25:30	96.726	100.177	78.566

実験No. 5　TITLE = CASE A　(B)　DATE 86/10/23　TIME 101381 0

CH. INDEX		101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		14.200	14.900	14.500	14.100	14.200	14.300	14.300	14.300	14.300	15.300
FINAL		17.700	16.000	15.700	15.500	15.400	15.500	15.500	15.600	15.300	16.000
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.100	0.0	0.100	0.0	0.0	0.100	0.100	0.100	0.0
3	0: 0	0.0	0.0	0.0	0.100	0.0	0.100	0.200	0.100	0.100	-0.100
4	0: 0	0.0	0.300	0.0	0.0	0.0	0.0	0.100	0.100	0.0	0.0
5	0: 0	3.200	0.400	0.100	0.103	0.100	0.0	0.100	0.0	0.0	0.0
6	0:30	6.203	9.200	6.900	5.100	2.900	1.600	1.100	0.800	0.600	1.600
7	1: 0	16.600	17.100	15.200	10.200	7.900	4.300	4.100	2.500	1.300	11.000
8	1:30	16.600	18.900	19.900	13.100	10.800	4.300	5.300	3.300	1.400	14.700
9	2: 0	22.400	20.400	16.600	11.600	9.000	6.600	4.300	2.900	1.700	14.200
10	2:30	26.100	22.400	17.400	13.390	9.700	6.800	3.800	2.900	1.500	10.100
11	3: 0	32.360	24.700	19.100	14.700	10.700	7.460	4.900	3.100	2.100	20.000
12	3:30	37.600	26.000	20.000	16.000	11.100	7.100	4.100	2.000	1.700	20.300
13	4: 0	41.000	25.100	20.300	17.600	11.600	4.900	4.700	3.100	2.100	20.300
14	4:30	45.030	25.400	20.400	17.500	11.500	6.300	3.800	2.500	1.700	21.100
15	5: 0	49.200	27.000	21.100	16.900	11.100	6.500	3.700	2.900	2.200	21.800
16	5:30	52.700	26.703	20.900	16.200	11.733	7.400	3.900	2.700	1.900	22.700
17	6: 0	56.200	28.103	21.700	16.265	12.700	7.200	3.908	2.900	2.200	23.900
18	6:30	55.700	28.200	21.600	16.300	12.009	7.200	4.068	2.000	2.100	24.200
19	7: 0	62.693	29.600	22.900	16.600	13.630	6.700	4.100	3.000	2.200	24.900
20	7:30	65.300	31.900	23.600	18.600	12.900	7.300	4.300	2.900	2.000	26.000
21	8: 0	67.392	31.800	23.500	20.000	16.700	7.000	5.020	2.900	2.300	25.700
22	8:30	69.670	31.000	24.500	21.100	15.700	9.600	3.900	2.900	2.500	25.300
23	9: 0	71.970	32.300	24.800	20.800	13.300	6.900	4.100	3.700	2.500	26.100
24	9:30	72.500	31.200	24.100	18.700	13.800	7.700	4.100	3.000	2.300	26.400
25	10: 0	73.403	31.500	23.600	18.603	11.800	6.900	5.700	2.800	2.300	26.400
26	10:30	76.600	30.400	24.300	18.906	11.609	7.900	4.500	3.500	2.800	27.200
27	11: 0	78.200	31.030	24.300	20.200	14.500	8.200	4.600	3.600	2.900	26.100
28	11:30	77.500	33.300	24.300	18.700	12.700	7.800	4.400	3.600	2.500	27.800
29	12: 0	78.800	32.100	24.200	19.200	12.800	7.100	4.400	3.500	2.800	27.700
30	12:30	79.400	33.300	25.100	20.500	13.639	6.900	4.700	3.300	2.600	26.800
31	13: 0	80.100	31.700	25.200	20.006	13.600	8.700	5.100	4.000	3.300	27.200
32	13:30	80.000	30.800	24.200	19.000	13.800	7.700	4.700	3.800	2.700	27.000
33	14: 0	82.100	32.200	25.100	19.300	13.100	8.000	4.600	3.900	2.900	27.500
34	14:30	82.400	31.700	25.700	20.700	13.900	8.100	5.000	3.700	3.000	27.700
35	15: 0	82.900	30.000	24.000	20.900	15.000	10.300	5.500	4.000	2.800	27.400
36	15:30	83.100	32.000	24.900	20.630	15.200	10.700	5.400	3.700	2.000	27.300
37	16: 0	81.600	30.000	23.900	19.079	16.000	9.800	5.600	4.200	3.000	26.400
38	16:30	82.800	29.600	23.200	19.100	15.050	11.500	6.700	4.100	2.700	25.700
39	17: 0	82.200	28.350	22.700	19.360	15.150	10.900	6.000	4.100	2.700	24.700
40	17:30	80.000	28.520	22.600	19.700	15.600	9.700	5.700	3.800	2.600	24.000
41	18: 0	76.993	26.300	20.000	17.600	14.300	1.600	4.000	5.300	2.500	22.500
42	18:30	75.800	22.300	18.900	16.609	11.200	8.000	4.000	1.600	2.200	19.700
43	19: 0	71.700	20.503	18.000	15.900	12.600	9.900	4.200	1.600	2.400	19.000
44	19:30	67.900	19.900	10.706	15.200	13.600	13.700	4.100	3.700	2.700	17.200
45	20:27	3.566	1.100	1.200	1.200	1.200	1.200	1.290	1.100	1.000	0.700

TITLE = CASE A　DATE 86/10/23　TIME 101381 0

CH. INDEX		111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		14.700	14.800	14.600	14.600	14.500	14.500	14.500	15.300	14.900	14.800
FINAL		15.800	15.800	15.600	15.400	15.600	15.500	15.400	16.600	15.800	15.800
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.100	0.0	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0
3	0: 0	0.0	0.0	0.100	0.0	-0.100	0.0	0.0	0.0	0.0	0.0
4	0: 0	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.0
5	0: 0	0.0	0.0	-0.100	0.0	-0.100	0.0	0.0	0.0	0.0	0.0
6	0:30	1.703	0.753	0.703	0.300	0.200	0.100	0.0	0.0	0.0	0.0
7	1: 0	7.900	5.700	7.500	1.000	1.100	0.500	0.400	3.600	2.300	0.900
8	1:30	13.900	10.800	8.100	4.900	2.900	1.400	1.000	7.700	5.500	2.200
9	2: 0	14.000	12.500	9.100	6.000	3.200	1.900	1.100	10.100	8.500	4.900
10	2:30	14.200	13.900	9.800	5.400	3.500	2.100	1.600	11.800	10.300	6.800
11	3: 0	13.200	14.700	10.800	6.000	3.100	2.200	1.700	15.500	17.000	8.900
12	3:30	14.603	15.200	9.400	5.600	4.100	2.300	1.800	14.900	13.700	9.800
13	4: 0	19.903	15.100	14.700	5.200	1.200	2.400	1.900	15.700	14.300	11.800
14	4:30	20.003	16.500	17.200	6.500	4.900	2.403	2.100	16.600	15.100	17.000
15	5: 0	22.700	16.200	11.800	6.100	4.100	2.900	2.100	17.100	15.900	17.900
16	5:30	21.500	17.600	14.000	7.000	4.000	2.900	2.100	17.800	16.600	13.700
17	6: 0	27.100	18.603	13.600	7.100	4.700	2.900	2.300	18.400	17.300	14.200
18	6:30	22.229	16.500	14.000	7.000	5.600	2.900	2.400	18.800	18.400	15.100
19	7: 0	21.200	19.300	14.000	6.400	3.700	2.800	2.400	19.463	18.700	15.400
20	7:30	21.000	19.600	14.630	7.100	4.200	3.000	2.500	19.800	19.700	14.400
21	8: 0	27.300	19.400	14.000	6.400	4.600	2.900	2.400	20.200	20.100	14.900
22	8:30	26.200	19.800	14.000	6.800	4.900	2.900	2.500	20.400	20.100	17.300
23	9: 0	26.700	20.800	15.900	7.000	4.800	3.100	2.500	21.000	20.500	17.500
24	9:30	25.200	21.300	15.200	8.200	4.400	3.800	2.600	21.500	20.900	15.800
25	10: 0	23.500	18.900	11.900	6.200	4.600	3.000	2.500	21.400	20.700	18.000
26	10:30	25.003	19.700	15.300	7.500	5.000	2.900	2.900	21.700	20.900	18.200
27	11: 0	26.005	19.100	17.800	6.700	4.600	3.200	2.600	21.900	20.400	18.200
28	11:30	25.000	19.800	15.200	6.700	4.300	3.300	2.600	22.200	21.000	18.100
29	12: 0	25.100	20.800	14.200	6.500	4.200	3.300	2.800	22.100	21.400	18.300
30	12:30	26.900	19.600	15.460	7.403	4.600	3.400	2.900	22.000	21.700	18.400
31	13: 0	25.600	21.900	13.600	7.900	4.100	3.400	2.800	22.900	21.500	18.500
32	13:30	26.700	20.800	15.500	7.800	4.300	3.400	2.900	22.500	21.200	18.600
33	14: 0	25.803	19.100	12.800	7.100	4.500	3.500	3.000	22.300	21.400	18.700
34	14:30	26.030	20.000	16.800	7.306	4.800	3.700	3.100	22.700	21.400	18.700
35	15: 0	25.500	20.800	13.729	7.000	4.400	3.700	3.200	22.700	21.900	18.700
36	15:30	25.403	19.800	19.700	7.403	4.350	3.900	3.100	22.800	21.000	18.700
37	16: 0	26.800	20.800	14.790	7.500	4.900	3.900	3.100	22.800	21.100	18.400
38	16:30	26.400	20.200	14.000	7.400	5.030	3.900	3.100	22.300	20.500	18.100
39	17: 0	23.803	19.800	13.700	7.400	4.900	3.900	3.100	21.700	20.000	17.800
40	17:30	22.600	18.800	17.500	7.500	4.905	3.800	3.100	21.100	19.900	17.300
41	18: 0	21.600	18.300	12.200	6.900	4.700	3.700	2.900	20.600	18.700	17.100
42	18:30	19.600	16.903	12.900	7.300	4.950	3.700	2.800	19.400	18.400	16.800
43	19: 0	17.900	15.900	12.200	7.100	4.500	3.400	2.900	16.100	17.500	15.900
44	19:30	15.900	14.600	11.100	7.100	4.500	3.500	2.900	17.000	16.400	15.100
45	20:27	1.100	1.800	1.990	1.070	0.900	1.000	0.900	1.100	0.900	1.000

TITLE = CASE A　DATE 86/10/23　TIME 101381 0

CH. INDEX		121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 38	126 T= 41	127 T= 42	128 T= 43	129 T= 44	130 T= 51
INITIAL		14.700	14.700	14.500	14.600	14.600	15.500	14.800	14.700	14.600	15.300
FINAL		15.800	15.700	15.500	15.600	15.400	16.700	15.500	15.500	15.590	16.300
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.100	0.0	0.0	0.100	0.0	-0.100	0.0	0.0	0.0	0.0
3	0: 0	0.0	0.0	0.0	0.100	0.0	0.0	0.100	0.0	0.0	0.0
4	0: 0	0.100	0.0	0.0	0.100	0.100	0.0	-0.200	0.0	0.0	0.0
5	0: 0	0.0	0.0	0.0	0.100	0.0	-0.100	-0.100	0.0	-0.100	0.0
6	0:30	0.103	0.0	0.100	0.100	0.103	0.0	0.100	0.0	0.0	0.0
7	1: 0	0.590	0.200	0.200	0.203	0.100	1.700	0.500	0.200	0.100	0.0
8	1:30	1.203	0.700	0.800	0.700	1.000	4.800	4.900	0.900	0.300	2.400
9	2: 0	3.200	1.500	1.200	1.500	1.400	5.900	5.100	1.700	0.800	5.200
10	2:30	4.700	2.400	1.000	1.730	1.800	11.500	8.000	3.100	1.100	7.400
11	3: 0	5.700	2.900	2.200	1.400	1.700	13.300	9.800	4.700	1.700	8.900
12	3:30	6.900	3.900	2.900	2.100	1.900	15.000	10.400	5.400	2.100	10.500
13	4: 0	7.900	3.700	3.600	2.100	1.800	15.400	11.700	5.800	2.700	11.300
14	4:30	8.900	4.000	2.800	2.400	2.100	15.800	13.100	6.800	2.200	12.000
15	5: 0	9.700	4.900	3.000	2.600	2.100	16.300	13.100	6.600	2.600	12.900
16	5:30	10.603	5.105	3.200	2.500	2.700	16.000	13.600	6.200	2.700	13.100
17	6: 0	11.203	5.600	3.600	2.700	2.900	17.400	14.103	6.100	2.700	13.900
18	6:30	12.400	5.900	3.600	2.706	2.206	17.600	14.000	7.700	2.700	14.200
19	7: 0	12.800	6.206	3.600	2.760	2.502	17.900	14.900	6.600	2.900	14.600
20	7:30	13.200	6.100	3.700	2.400	2.600	18.100	14.600	6.600	2.800	14.900
21	8: 0	13.800	6.700	3.400	2.700	2.600	18.900	15.000	5.900	2.900	15.400
22	8:30	13.900	6.400	3.700	2.600	2.602	16.300	15.200	6.500	2.900	15.800
23	9: 0	14.300	6.906	4.000	2.900	2.700	16.500	15.500	8.800	2.900	16.100
24	9:30	14.800	6.806	3.900	2.400	2.500	15.800	15.500	8.800	3.000	16.400
25	10: 0	14.800	7.206	4.100	3.000	2.806	20.600	16.300	9.800	3.100	16.700
26	10:30	15.606	7.100	4.100	3.100	2.500	20.100	16.200	9.100	3.200	16.800
27	11: 0	15.090	7.100	4.100	3.100	2.700	20.300	16.600	9.700	3.100	16.900
28	11:30	16.000	6.800	4.106	3.200	2.700	19.900	16.600	9.600	3.200	17.000
29	12: 0	16.500	6.800	4.200	3.200	2.700	20.700	15.900	8.600	3.100	17.000
30	12:30	16.920	6.902	4.100	3.100	2.700	20.600	17.100	8.700	2.100	17.200
31	13: 0	15.100	6.900	4.200	3.100	2.800	20.800	16.700	9.100	3.600	17.400
32	13:30	15.100	6.800	4.400	3.500	2.800	27.003	16.903	9.300	3.200	17.400
33	14: 0	12.873	6.900	4.300	3.515	2.630	20.700	17.400	9.333	3.100	17.700
34	14:30	15.103	6.703	4.300	3.600	2.600	20.500	16.700	8.800	3.100	17.700
35	15: 0	15.303	7.400	4.730	3.600	3.100	20.900	17.800	9.500	3.500	17.900
36	15:30	15.603	7.100	4.703	3.600	3.200	20.003	18.300	9.800	3.600	17.900
37	16: 0	15.000	7.000	4.800	3.700	3.100	20.800	17.200	8.800	3.600	17.900
38	16:30	14.800	6.003	4.500	3.500	2.500	20.130	17.600	8.800	3.500	18.000
39	17: 0	14.500	7.050	4.700	3.600	3.100	20.103	17.000	8.800	3.500	17.900
40	17:30	14.200	7.100	4.700	3.600	2.903	17.900	17.120	8.800	3.800	17.500
41	18: 0	13.900	6.700	4.900	3.100	2.800	18.000	15.900	7.900	3.600	17.000
42	18:30	13.700	6.800	4.801	3.200	2.700	18.200	15.600	6.500	3.600	16.600
43	19: 0	13.100	6.700	4.603	3.200	2.700	18.300	15.090	7.500	3.200	16.000
44	19:30	12.900	6.806	4.500	3.100	2.900	15.900	14.800	7.100	3.000	15.000
45	20:27	1.100	1.000	1.006	1.000	1.000	0.700	0.800	0.800	0.990	0.800

TITLE = CASE A　DATE 86/10/23　TIME 101381 0

CH. INDEX		131 T= 52	132 T= 53	133 T= 54	134 T= 55	135 T= 61	136 T= 62	137 T= 63	138 T= 64	139 T= 71	140 T= 72
INITIAL		15.103	14.800	14.800	14.800	15.500	15.800	14.900	14.800	15.400	15.200
FINAL		16.103	15.600	15.600	15.630	15.930	15.700	15.700	15.700	16.100	15.700
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.100	-0.100	0.0	-0.100	0.0	0.0	0.0	0.0	-0.100
3	0: 0	0.0	0.100	-0.100	-0.100	-0.100	0.100	0.0	-0.100	0.0	0.0
4	0: 0	0.0	0.0	-0.100	-0.100	-0.100	0.0	-0.100	0.0	-0.100	0.0
5	0: 0	0.0	0.100	-0.100	-0.100	-0.100	0.0	0.0	-0.100	-0.100	0.0
6	0:30	0.0	0.100	0.0	-0.100	-0.100	0.100	0.100	0.0	0.0	-0.100
7	1: 0	0.0	0.100	-0.100	-0.100	-0.100	0.100	0.0	0.0	-0.100	0.0
8	1:30	1.203	1.000	0.600	0.100	0.100	0.100	0.100	0.0	0.0	0.0
9	2: 0	4.503	3.100	0.900	0.700	[illegible]	0.100	0.600	0.300	2.400	1.300
10	2:30	4.103	2.900	1.230	1.000	2.900	4.450	1.000	0.900	4.800	4.300
11	3: 0	6.900	5.903	1.000	1.450	[illegible]	5.500	2.100	1.107	6.600	6.800
12	3:30	7.500	7.800	2.500	1.600	[illegible]	7.600	3.100	1.400	7.600	6.600
13	4: 0	9.600	9.100	2.600	1.600	10.700	8.300	4.000	1.800	8.700	7.800
14	4:30	10.603	9.900	5.003	1.600	11.000	9.100	4.700	1.800	9.200	8.600
15	5: 0	11.500	10.800	5.103	1.700	11.600	9.700	5.800	2.000	9.700	9.200
16	5:30	12.600	11.300	5.600	1.500	12.800	9.900	6.200	2.200	10.000	9.400
17	6: 0	13.000	11.700	6.300	1.700	12.700	10.600	7.300	2.300	10.600	10.400
18	6:30	13.300	11.700	5.800	2.300	13.100	10.900	7.600	2.400	11.000	11.000
19	7: 0	14.700	12.100	6.100	2.100	14.200	11.100	7.500	2.600	11.400	11.300
20	7:30	14.500	12.600	3.700	2.600	14.200	11.600	8.000	2.500	11.400	11.400
21	8: 0	14.100	12.700	4.800	2.100	[illegible]	11.700	7.703	2.500	11.700	12.100
22	8:30	14.800	13.700	5.700	2.100	14.300	12.100	8.100	2.800	12.500	12.500
23	9: 0	14.900	13.700	3.100	2.200	14.400	14.200	8.100	2.800	12.400	12.400
24	9:30	14.100	14.000	4.600	2.200	15.100	12.800	8.300	2.700	12.400	13.000
25	10: 0	14.400	13.700	4.600	2.300	15.100	12.900	8.600	2.900	13.100	13.400
26	10:30	16.400	13.800	4.100	2.600	15.800	13.700	8.400	2.800	13.500	13.700
27	11: 0	16.700	14.100	4.500	2.100	15.800	13.900	9.100	2.900	13.600	13.900
28	11:30	16.700	14.900	4.500	2.100	15.800	13.700	9.100	2.800	13.800	14.000
29	12: 0	16.700	14.000	4.500	2.800	15.800	13.800	9.200	2.800	13.800	13.800
30	12:30	17.100	13.900	4.200	2.800	15.000	14.300	9.600	2.800	13.900	13.900
31	13: 0	17.600	14.800	4.200	2.500	16.200	15.700	9.600	3.000	14.000	14.100
32	13:30	17.300	14.100	5.000	2.600	15.800	16.000	5.300	2.900	14.400	14.400
33	14: 0	17.803	14.800	5.100	2.600	16.100	16.000	8.600	3.000	14.300	14.400
34	14:30	17.800	14.800	4.200	2.500	16.100	16.700	9.500	3.100	14.500	14.500
35	15: 0	17.600	14.600	4.800	2.700	16.100	16.300	8.500	3.000	14.300	14.500
36	15:30	17.800	15.100	5.100	2.700	16.500	16.700	9.400	3.200	14.600	14.900
37	16: 0	17.800	15.800	4.700	2.700	16.100	15.100	9.600	3.200	14.800	14.800
38	16:30	17.800	16.930	4.700	2.700	16.900	16.900	9.300	3.500	14.900	14.800
39	17: 0	17.500	16.400	4.700	2.800	16.300	16.900	9.800	3.800	14.800	14.900
40	17:30	17.100	16.900	4.800	2.700	15.800	16.800	11.000	3.300	14.400	14.700
41	18: 0	16.600	15.900	4.700	2.900	15.500	16.600	9.000	3.200	14.100	14.500
42	18:30	16.600	15.300	4.100	2.800	16.800	16.000	7.900	3.100	14.000	15.000
43	19: 0	15.900	13.900	4.400	2.600	16.500	13.900	8.500	2.000	13.500	13.800
44	19:30	15.100	12.700	4.700	2.600	15.100	13.200	8.200	2.000	12.900	13.500
45	20:27	[illegible]	0.800	0.800	[illegible]	[illegible]	0.700	0.800	0.900	0.900	0.500

TITLE = CASE A DATE 86/10/23 TIME 101301 0

CH. INDEX		141 T= 73	142 T= 74	143 T= 75	144 T= 81	145 T= 82	146 T= 83	147 T= 86	148 T= 91	149 T= 92	150 T= 93
INITIAL		15.100	15.000	16.900	16.800	15.230	16.000	15.200	16.000	15.900	15.100
FINAL		15.800	15.800	15.700	16.200	15.800	15.900	15.900	16.900	16.000	15.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	-0.100	0.0	0.100	0.0	0.0	0.0	-0.100	0.0	-0.100	0.0
3	[illegible]	0.0	0.0	0.0	0.100	-0.100	0.0	-0.100	0.0	-0.100	-0.100
4	[illegible]	-0.100	0.0	0.100	0.0	-0.100	0.0	-0.100	-0.100	-0.200	-0.100
5	[illegible]	-0.200	0.0	0.100	-0.130	-0.130	0.100	-0.100	-0.100	-0.100	-0.100
6	0130	0.0	0.0	0.133	0.0	0.0	0.0	-0.100	0.0	0.0	-0.100
7	11 0	-0.100	0.100	0.103	0.0	0.0	0.100	-0.100	-0.100	0.0	-0.100
8	1130	-0.300	0.0	0.100	0.100	0.0	0.103	-0.100	0.0	0.0	0.0
9	21 0	0.700	0.303	0.200	0.103	0.0	0.0	-0.100	0.0	0.0	-0.100
10	2130	1.300	0.900	0.400	0.400	1.300	0.400	0.200	0.100	0.900	0.900
11	31 0	2.400	1.000	0.006	0.400	2.700	1.000	0.400	1.700	2.300	1.100
12	3130	3.400	1.400	1.200	3.900	4.000	1.400	0.400	4.000	3.600	2.000
13	41 0	5.100	1.400	1.400	4.420	4.401	2.400	1.100	5.000	4.400	3.100
14	4130	4.100	2.100	1.400	7.730	5.400	3.100	1.400	4.400	5.900	4.100
15	51 0	4.500	2.400	1.500	7.400	4.400	3.400	1.500	5.900	6.600	4.400
16	5130	4.900	2.900	1.000	8.500	7.300	4.300	1.600	5.993	7.100	5.600
17	61 0	7.900	3.300	1.400	8.400	7.403	4.400	1.700	4.400	7.900	5.900
18	6130	4.900	3.400	1.900	9.400	4.100	5.400	1.400	6.403	7.400	6.200
19	71 0	5.400	3.400	2.100	9.500	4.403	4.190	2.000	7.200	8.400	6.700
20	7130	4.200	3.200	2.200	9.400	4.400	6.100	2.100	7.500	8.700	6.900
21	81 0	4.100	3.700	2.200	10.100	9.150	6.303	2.130	7.400	4.900	7.000
22	8130	5.400	3.200	2.200	10.400	9.500	6.303	2.200	7.900	9.100	7.400
23	91 0	3.700	3.230	2.200	10.703	9.560	6.600	2.200	8.100	9.500	7.700
24	9130	10.003	3.000	2.200	10.400	9.500	6.700	2.200	8.500	9.800	7.800
25	101 0	10.200	3.300	2.300	11.500	10.000	6.700	2.200	8.700	10.000	8.100
26	10130	10.000	3.300	2.400	11.500	10.100	7.200	2.400	9.100	10.300	8.100
27	111 0	10.400	3.300	2.400	11.400	10.500	7.100	2.400	9.200	10.700	8.400
28	11130	11.100	3.700	2.500	11.400	11.050	7.300	2.400	9.400	10.800	8.700
29	121 0	10.400	3.700	2.500	12.100	10.403	7.100	2.400	9.700	10.900	8.900
30	12130	10.403	3.700	2.500	12.000	10.900	7.300	2.400	9.000	11.000	8.800
31	131 0	11.900	3.003	2.100	12.001	11.400	7.000	2.600	9.400	10.900	8.600
32	13130	11.003	3.800	2.700	12.730	11.230	7.400	2.700	9.900	11.200	8.900
33	141 0	11.400	4.000	2.630	12.400	11.330	7.700	2.600	10.000	11.400	9.200
34	14130	11.203	3.800	2.400	12.400	11.303	7.300	2.500	10.700	11.400	9.400
35	151 0	11.103	3.800	2.407	13.400	11.503	7.500	2.600	10.300	11.400	9.700
36	15130	11.503	4.100	2.760	12.400	11.700	7.700	2.700	10.400	11.700	9.900
37	161 0	11.400	4.030	2.166	13.200	12.003	8.000	2.700	10.500	11.900	9.600
38	16130	11.400	4.400	2.309	13.600	12.400	8.200	2.600	10.600	12.200	9.600
39	171 0	11.403	4.200	2.400	12.403	12.400	8.700	2.600	10.600	12.200	9.600
40	17130	11.403	4.700	2.400	13.100	12.400	8.300	2.400	10.900	12.200	9.600
41	181 0	11.403	4.400	2.400	12.400	12.400	8.200	2.400	10.400	12.200	9.900
42	18130	11.100	4.603	2.460	12.400	11.400	8.200	2.800	10.850	11.800	9.800
43	191 0	10.900	4.400	2.400	11.400	11.400	7.300	2.700	10.900	11.700	9.500
44	19130	10.200	4.400	2.400	11.700	11.400	6.900	2.900	10.300	11.100	8.800
45	20127	3.300	0.500	0.700	0.400	0.070	0.400	0.700	0.900	0.500	0.800

TITLE = CASE A DATE 86/10/23 TIME 101301 0

CH. INDEX		151 T= 94	152 T= 95	153 T=101	154 T=102	155 T=103	156 T=104	157 T=111	158 T=112	159 T=113	160 T=114
INITIAL		15.200	15.100	15.400	15.800	15.100	15.300	16.000	15.600	15.300	15.200
FINAL		16.000	16.000	16.500	16.000	16.000	16.200	16.400	16.700	16.200	16.200
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	-0.100	-0.100	0.0	0.0	0.0	0.0	0.0	0.100	-0.100	0.0
3	[illegible]	-0.100	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	0.0	0.0
4	[illegible]	-0.100	-0.100	0.0	-0.100	0.0	0.0	-0.100	0.0	-0.100	0.0
5	[illegible]	-0.100	-0.100	0.0	-0.100	0.0	-0.100	0.0	0.0	-0.100	0.0
6	0130	-0.100	-0.100	0.0	-0.100	0.0	0.0	0.0	0.0	-0.100	0.0
7	11 0	-0.100	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	-0.100	0.0
8	1130	-0.100	-0.100	0.0	0.0	0.0	-0.100	0.0	0.0	-0.100	0.0
9	21 0	-0.100	0.0	0.0	0.0	0.100	-0.100	0.0	0.0	0.0	0.0
10	2130	0.100	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	-0.100	0.0
11	31 0	0.400	0.200	1.400	0.200	0.500	0.200	0.0	0.0	-0.100	0.0
12	3130	0.400	2.403	2.700	1.950	0.400	0.300	1.000	0.500	0.400	0.400
13	41 0	1.103	0.403	3.900	2.700	1.303	0.400	2.700	1.500	1.200	0.500
14	4130	1.400	1.100	4.400	4.400	1.400	0.900	4.400	2.300	1.900	0.800
15	51 0	1.900	1.300	5.300	4.407	2.400	1.700	4.707	3.000	2.500	1.200
16	5130	2.103	1.400	5.400	5.400	3.200	1.400	4.400	3.700	3.100	1.500
17	61 0	2.300	1.500	4.400	5.700	3.400	1.500	5.700	4.200	3.400	1.700
18	6130	2.400	1.400	4.300	4.320	4.400	1.600	5.500	4.400	4.000	2.000
19	71 0	4.100	1.700	4.400	4.400	4.420	1.700	5.400	5.000	4.500	2.700
20	7130	4.700	1.400	7.200	7.300	4.500	1.900	4.200	5.400	4.900	3.200
21	81 0	5.400	1.400	7.500	7.400	5.200	1.900	4.500	4.700	5.100	3.400
22	8130	5.200	1.500	7.400	7.400	5.230	2.000	4.400	4.000	5.300	5.100
23	91 0	7.400	1.400	7.400	4.100	5.400	2.000	4.400	4.100	5.400	5.300
24	9130	5.400	1.400	4.200	4.200	5.700	2.000	4.900	4.400	5.400	5.400
25	101 0	7.000	2.000	4.500	4.200	5.700	2.100	7.200	4.600	5.600	5.600
26	10130	5.400	2.000	4.700	4.700	5.400	2.100	7.200	4.900	4.400	5.600
27	111 0	4.700	2.100	4.800	4.400	4.100	2.200	7.400	7.100	4.700	5.400
28	11130	5.400	2.200	5.200	5.400	4.100	2.300	8.000	7.300	4.300	4.000
29	121 0	5.400	2.200	5.300	5.500	4.400	2.500	8.100	7.500	4.400	5.900
30	12130	5.400	2.200	5.300	5.500	4.200	2.400	8.300	7.700	4.900	4.200
31	131 0	3.400	2.200	9.100	9.400	4.400	2.400	8.500	7.800	4.400	4.100
32	13130	4.400	2.300	9.500	9.400	4.200	2.400	8.400	7.900	4.900	4.200
33	141 0	4.200	2.400	9.500	9.400	4.700	2.500	8.500	8.000	4.800	4.200
34	14130	5.900	2.400	9.700	9.700	4.400	2.500	8.400	8.200	7.200	4.500
35	151 0	4.700	2.300	10.000	10.100	4.700	2.500	8.400	8.300	7.200	4.700
36	15130	5.400	2.400	10.100	10.200	4.700	2.500	8.900	8.400	7.400	4.900
37	161 0	4.200	2.400	10.400	10.400	4.900	2.900	9.100	8.600	7.300	4.700
38	16130	4.700	2.500	10.200	10.700	7.200	2.700	9.100	8.700	7.400	4.900
39	171 0	4.500	2.500	10.100	10.700	7.500	2.700	9.400	8.900	7.400	5.200
40	17130	4.400	2.400	10.100	10.700	7.300	2.700	9.400	9.000	7.400	5.300
41	181 0	4.500	2.500	10.200	10.700	7.500	2.700	9.500	9.000	7.400	5.100
42	18130	4.400	2.500	10.200	10.400	7.100	2.700	9.200	9.000	8.000	5.300
43	191 0	5.900	2.500	10.000	10.400	4.900	2.600	9.100	9.100	7.900	5.300
44	19130	5.300	2.400	9.700	9.900	4.300	2.700	9.000	8.900	7.700	4.400
45	20127	0.400	0.700	0.600	0.700	0.900	0.900	0.400	1.100	0.900	1.000

TITLE = CASE A DATE 86/10/23 TIME 101301 0

CH. INDEX		161 T=116	162 T=121	163 T=122	164 T=124	165 T=126	166 T=131	167 T=132	168 T=133	169 T=134	170 T=135
INITIAL		15.300	15.450	15.500	15.100	15.300	15.800	15.700	15.600	15.300	15.300
FINAL		16.400	17.400	16.400	16.400	16.400	16.800	16.700	16.700	16.400	16.300
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	0.100	0.0	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	0.0
3	[illegible]	0.100	0.0	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	0.100
4	[illegible]	0.100	0.0	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	0.100
5	[illegible]	0.0	0.0	-0.100	0.0	-0.100	0.0	0.0	0.0	0.0	0.100
6	0130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	11 0	0.0	0.0	-0.100	0.0	0.0	-0.100	-0.100	-0.100	0.0	0.100
8	1130	0.0	0.0	-0.100	0.0	0.0	0.0	-0.100	0.0	0.0	0.100
9	21 0	0.100	0.0	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0
10	2130	0.100	0.0	0.0	0.0	-0.100	0.0	-0.100	0.0	-0.100	0.0
11	31 0	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	3130	0.200	0.0	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	0.100
13	41 0	0.400	0.300	0.400	0.400	0.100	0.0	-0.100	0.0	0.0	0.100
14	4130	0.400	1.200	1.500	0.400	0.400	0.400	0.400	0.400	0.400	0.100
15	51 0	0.900	1.400	2.100	1.200	0.400	1.400	1.400	1.100	0.900	0.400
16	5130	1.200	2.400	2.200	1.300	1.000	2.200	2.000	1.700	0.800	0.400
17	61 0	1.400	3.100	3.300	2.300	1.300	2.900	2.400	2.200	1.300	0.800
18	6130	1.900	3.500	3.400	2.700	1.400	3.400	3.100	2.400	1.400	1.100
19	71 0	1.400	3.700	4.400	2.400	1.400	3.700	3.900	2.900	1.800	1.300
20	7130	1.700	4.100	4.400	3.400	1.700	3.900	3.700	3.300	2.100	1.400
21	81 0	1.800	4.900	4.800	3.400	1.800	4.200	4.100	3.700	2.300	1.500
22	8130	1.800	4.800	5.400	4.100	1.900	4.400	4.400	4.000	2.400	1.700
23	91 0	1.900	5.400	5.100	4.100	2.000	4.800	4.800	4.200	3.000	1.800
24	9130	1.900	5.230	5.300	4.200	2.100	5.000	4.800	4.200	2.900	1.900
25	101 0	2.000	5.400	5.400	4.500	2.200	5.100	5.000	4.300	3.300	1.900
26	10130	2.003	5.403	5.430	4.400	2.200	5.200	5.100	4.600	3.400	2.000
27	111 0	2.000	5.800	4.400	4.700	2.200	5.400	5.100	4.400	3.500	2.000
28	11130	2.100	4.400	4.100	4.800	2.200	5.700	5.300	4.800	3.500	2.000
29	121 0	2.100	4.700	4.400	5.000	2.400	5.000	5.400	5.000	3.700	2.000
30	12130	2.200	4.900	4.700	5.100	2.400	5.400	5.400	5.100	3.800	2.100
31	131 0	2.200	4.500	4.400	5.400	2.400	4.200	4.200	5.500	4.200	2.100
32	13130	2.200	4.500	4.400	5.400	2.400	4.400	4.200	5.400	3.800	2.200
33	141 0	2.300	4.400	4.400	5.700	2.400	4.100	4.100	5.400	4.000	2.200
34	14130	2.300	4.700	4.700	5.400	2.400	4.100	4.100	5.400	4.200	2.100
35	151 0	2.210	4.400	7.000	5.500	2.720	4.900	4.300	5.700	4.300	2.200
36	15130	2.400	4.400	7.200	5.700	2.400	4.700	4.500	5.700	4.300	2.200
37	161 0	2.503	7.205	7.400	5.700	2.700	4.800	4.400	5.800	4.500	2.200
38	16130	2.400	7.350	7.400	5.400	2.400	4.900	4.700	5.900	4.500	2.100
39	171 0	2.500	7.400	7.400	5.493	2.400	4.900	4.700	4.100	4.400	2.300
40	17130	2.500	7.300	7.200	4.100	2.493	7.100	7.000	4.000	4.400	2.300
41	181 0	2.400	7.400	7.403	4.200	3.000	7.200	7.200	4.700	4.700	2.500
42	18130	2.500	7.500	4.300	4.300	3.100	7.200	7.100	4.300	4.800	2.500
43	191 0	2.400	7.403	4.100	4.200	3.000	7.100	7.100	4.400	4.800	2.500
44	19130	2.500	7.400	4.400	4.410	3.400	7.300	7.200	4.300	4.800	2.500
45	20127	1.100	1.500	1.400	1.100	1.100	1.000	1.000	1.300	1.300	1.000

TITLE = CASE A DATE 86/10/23 TIME 101301 0

CH. INDEX		201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31	208 S= 32	209 S= 33	210 S= 34
INITIAL		0.156	0.166	0.163	0.165	0.150	0.167	0.155	0.165	0.163	0.160
FINAL		0.167	0.157	0.153	0.161	0.156	0.165	0.151	0.159	0.160	0.150
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	[illegible]	100.046	100.203	100.441	100.080	100.048	100.078	100.071	100.121	100.161	100.013
3	[illegible]	100.041	100.238	100.920	100.045	100.161	100.096	100.109	100.152	100.150	99.996
4	[illegible]	100.052	100.050	99.937	100.026	100.000	99.970	100.066	100.000	100.076	100.050
5	[illegible]	100.044	100.113	100.161	100.056	100.031	99.988	100.031	100.065	100.061	100.060
6	0130	99.996	99.601	99.606	100.046	99.967	99.918	100.000	99.915	99.950	99.980
7	11 0	91.796	98.440	97.161	99.311	99.255	99.602	98.957	99.229	100.166	100.000
8	1130	95.096	98.361	96.360	97.151	95.760	97.020	78.291	97.207	99.310	99.200
9	21 0	91.166	91.477	95.271	93.015	94.587	90.053	86.075	86.913	87.302	97.490
10	2130	96.607	95.360	93.391	97.202	97.605	98.404	90.407	97.000	91.101	98.320
11	31 0	97.133	95.116	91.970	96.705	96.408	90.496	90.561	97.616	96.600	98.000
12	3130	93.209	96.138	94.657	97.160	96.195	98.007	90.970	96.760	96.000	99.100
13	41 0	97.750	95.257	96.793	95.403	96.571	98.992	91.006	96.279	95.048	99.517
14	4130	97.267	98.056	95.600	96.156	97.624	99.160	90.956	96.097	96.455	99.056
15	51 0	92.650	97.602	96.456	96.651	96.055	98.658	95.600	96.066	96.065	99.077
16	5130	85.602	91.616	80.136	96.016	97.215	99.250	87.365	97.937	98.657	99.570
17	61 0	92.207	95.025	92.207	96.104	96.756	99.366	90.050	90.000	93.000	99.005
18	6130	91.926	95.960	78.150	97.257	96.735	99.251	91.281	96.012	96.567	99.715
19	71 0	93.290	96.066	95.150	97.366	97.735	96.071	91.670	96.001	95.900	99.106
20	7130	91.296	96.070	96.106	95.071	97.656	96.016	92.240	96.507	95.627	99.216
21	81 0	95.021	96.611	95.051	97.666	96.007	99.250	95.007	96.676	96.172	98.600
22	8130	95.050	97.377	95.450	97.166	96.266	96.002	96.330	95.376	97.156	99.156
23	91 0	96.120	96.160	97.626	96.203	96.011	99.306	95.061	95.560	97.765	99.108
24	9130	98.006	92.929	87.173	96.471	96.095	96.175	85.216	88.361	96.763	99.080
25	101 0	92.001	96.521	91.171	97.231	97.775	90.076	80.510	97.040	93.700	98.070
26	10130	92.521	96.526	91.096	97.613	97.661	96.016	98.021	95.066	96.786	98.660
27	111 0	91.006	96.505	92.607	96.016	97.003	96.250	91.061	95.005	96.360	98.905
28	11130	91.575	96.510	91.052	96.101	97.066	99.032	89.001	95.205	95.080	99.010
29	121 0	91.765	98.017	92.331	95.000	97.747	96.205	91.307	93.076	96.097	99.001
30	12130	96.500	96.161	96.605	97.275	96.157	99.191	96.067	93.471	96.097	98.903
31	131 0	96.969	96.093	97.556	97.056	96.615	99.372	96.576	96.665	98.205	99.210
32	13130	97.916	96.007	97.765	96.657	96.726	96.506	98.765	96.575	99.200	99.160
33	141 0	96.071	96.039	97.935	96.609	97.761	96.656	98.906	96.709	99.650	99.360
34	14130	96.956	96.592	96.206	96.925	96.569	96.667	99.051	96.787	99.717	99.297
35	151 0	96.906	96.021	96.675	96.676	96.113	96.550	99.166	96.605	100.065	99.617
36	15130	96.900	96.361	96.367	96.672	96.119	96.000	99.151	96.672	100.006	99.600
37	161 0	96.077	96.216	96.277	96.566	96.150	96.066	99.112	96.556	100.066	99.517
38	16130	96.579	96.001	96.035	96.570	96.176	96.916	99.090	96.665	100.110	99.617
39	171 0	96.665	95.906	96.566	96.677	96.162	96.006	99.076	96.556	100.129	99.611
40	17130	96.315	95.596	96.765	96.617	96.170	100.060	96.996	96.356	100.221	99.667
41	181 0	96.157	95.567	97.667	96.706	96.051	96.092	96.062	95.065	99.926	99.667
42	18130	96.051	95.555	96.230	96.166	96.115	96.066	96.055	96.090	100.066	99.356
43	191 0	95.930	95.316	96.063	96.167	96.066	96.956	96.763	96.600	99.966	99.325
44	19130	95.066	95.215	97.666	96.121	96.006	96.606	96.666	96.666	99.920	99.517
45	20127	95.130	91.430	95.006	97.126	96.006	97.701	97.613	95.057	97.951	98.766

TITLE = CASE A DATE 86/10/23 TIME 101301 0

CH. INDEX		211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 51	217 S= 52	218 S= 53	219 S= 54	220 S= 55
INITIAL		0.161	0.158	0.161	0.164	0.144	0.161	0.168	0.163	0.140	0.166
FINAL		0.158	0.152	0.155	0.160	0.163	0.156	0.163	0.159	0.156	0.161
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	100.110	99.950	100.004	100.004	103.235	100.058	100.012	100.018	100.419	100.103
3	01 0	100.149	100.000	100.012	100.214	100.205	100.054	100.036	100.037	100.145	100.344
4	01 0	99.952	100.076	100.044	100.040	99.994	100.043	100.036	100.037	99.856	99.920
5	01 0	100.004	100.002	100.044	100.042	100.102	100.074	100.047	100.049	100.125	100.163
6	0130	99.702	99.901	100.044	100.034	99.777	100.043	100.160	100.041	99.868	99.911
7	11 0	100.158	99.563	100.042	100.059	100.225	100.118	100.571	100.086	100.301	100.156
8	1130	98.816	89.042	98.774	99.911	100.020	98.261	99.947	100.067	100.075	99.966
9	21 0	96.456	86.294	96.548	94.843	96.716	95.212	99.930	98.808	99.455	99.831
10	2130	90.476	85.221	89.835	92.469	97.324	89.911	91.130	97.526	98.746	98.502
11	31 0	90.068	87.966	91.408	95.094	94.368	91.519	89.120	89.093	97.294	98.144
12	3130	99.566	89.714	96.383	96.021	94.911	91.762	91.705	91.284	97.826	98.599
13	41 0	98.321	89.714	94.874	87.842	94.843	91.965	93.172	93.286	98.396	99.167
14	4130	99.293	90.213	73.951	97.161	94.957	93.903	93.450	94.874	99.438	100.006
15	51 0	99.490	94.045	94.729	98.004	96.100	96.114	93.671	97.283	99.711	99.855
16	5130	99.377	91.904	96.111	97.902	99.020	95.820	93.667	95.458	98.819	99.710
17	61 0	99.502	82.951	96.812	96.144	99.490	92.905	96.072	95.944	98.921	99.577
18	6130	94.072	89.700	90.407	95.735	93.884	90.458	89.456	92.859	98.321	98.797
19	71 0	96.113	91.840	95.844	96.467	96.981	93.500	92.620	91.481	99.080	99.386
20	7130	99.007	90.719	94.439	97.810	94.114	94.085	96.204	92.969	99.162	99.408
21	81 0	99.250	91.301	94.506	96.888	94.941	96.722	94.193	94.462	99.123	99.196
22	8130	99.296	91.851	95.911	96.969	94.163	96.853	94.122	94.182	99.282	99.042
23	91 0	99.969	93.983	95.677	97.238	98.821	95.616	95.908	94.197	99.085	99.888
24	9130	99.136	88.175	96.846	98.042	99.072	95.942	95.900	95.256	98.514	99.806
25	101 0	98.810	88.148	93.016	96.850	96.861	91.627	91.660	96.519	98.164	99.100
26	10130	99.147	89.857	90.365	95.783	97.396	90.720	87.920	91.996	99.721	98.919
27	111 0	99.001	89.593	95.105	96.763	97.861	93.382	91.930	91.756	98.269	99.414
28	11130	99.106	89.907	96.385	96.881	98.681	93.170	93.344	96.171	98.697	99.163
29	121 0	98.917	89.901	96.455	97.399	98.109	93.698	97.255	95.859	98.646	98.998
30	12130	98.017	89.850	93.469	98.051	98.722	93.971	92.969	93.967	98.282	98.693
31	131 0	99.161	95.761	95.402	97.603	98.595	94.213	92.567	94.462	98.181	98.992
32	13130	99.191	96.405	96.846	90.666	99.901	97.871	95.905	95.923	99.242	99.572
33	141 0	99.196	97.090	97.855	98.575	99.575	97.918	97.512	97.666	99.247	99.565
34	14130	99.776	96.915	97.666	98.612	99.510	97.910	97.726	98.883	99.906	99.855
35	151 0	99.975	97.071	97.711	98.603	99.898	97.978	97.744	98.810	100.211	100.193
36	15130	100.112	97.121	97.868	98.863	99.675	97.955	97.696	98.216	100.218	100.056
37	161 0	100.002	97.098	97.760	98.980	99.916	97.922	97.758	98.578	100.407	100.160
38	16130	100.151	96.951	97.711	98.952	99.990	97.871	97.738	98.334	100.766	100.519
39	171 0	100.396	96.896	97.580	98.916	100.390	97.817	97.631	98.346	101.153	100.919
40	17130	103.962	96.950	97.505	98.903	100.590	97.767	97.526	98.510	101.266	101.190
41	181 0	100.161	96.742	97.365	98.867	100.160	97.637	97.605	98.212	100.810	100.713
42	18130	100.605	96.596	97.275	98.819	100.332	97.562	97.352	98.161	101.236	100.926
43	191 0	100.656	96.551	97.170	98.778	100.326	97.451	97.251	98.101	101.144	100.857
44	19130	100.276	96.411	97.066	98.730	100.157	97.366	97.156	98.046	101.015	100.710
45	20127	90.011	96.387	96.654	98.652	98.650	96.589	96.598	97.550	97.887	97.566

TITLE = CASE A DATE 86/10/23 TIME 101301 0

CH. INDEX		221 S= 61	222 S= 62	223 S= 63	224 S= 71	225 S= 72	226 S= 81	227 S= 82	228 S= 83	229 S= 91	230 S= 92
INITIAL		0.169	0.170	0.163	0.155	0.164	0.159	0.165	0.161	0.166	0.169
FINAL		0.165	0.165	0.163	0.151	0.166	0.158	0.161	0.161	0.160	0.166
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	99.994	100.112	100.057	100.013	100.018	100.031	100.017	100.017	100.012	100.012
3	01 0	100.062	100.053	100.037	100.019	100.040	100.043	100.018	100.025	100.031	100.030
4	01 0	100.090	100.161	100.012	100.032	100.006	100.087	100.061	100.031	100.037	100.017
5	01 0	100.056	100.267	100.026	100.058	100.062	100.190	100.061	100.031	100.060	100.076
6	0130	100.066	100.062	100.066	100.030	100.016	100.157	100.061	100.075	100.095	100.036
7	11 0	120.141	100.071	130.061	100.066	100.006	100.163	100.071	100.056	100.070	100.067
8	1130	91.909	99.706	100.097	100.006	100.006	100.188	100.005	100.066	100.086	100.055
9	21 0	96.621	99.918	100.067	99.229	100.087	100.215	100.091	100.058	100.106	100.050
10	2130	98.327	97.906	99.902	96.869	99.901	97.366	99.860	100.062	99.808	100.030
11	31 0	91.512	92.256	98.081	89.060	98.813	91.566	98.275	100.012	97.670	98.055
12	3130	96.064	93.596	98.079	88.687	79.396	87.900	95.017	99.700	92.101	99.171
13	41 0	96.766	96.252	99.388	97.169	93.517	89.087	92.680	98.681	88.910	98.220
14	4130	96.685	98.462	99.712	91.650	97.069	72.976	99.106	99.085	91.557	95.567
15	51 0	95.761	96.206	99.523	92.921	98.376	96.111	96.467	99.320	92.879	96.876
16	5130	95.727	95.018	99.676	93.056	96.676	96.169	96.090	99.666	93.961	96.816
17	61 0	96.671	96.476	97.608	93.622	96.027	96.637	93.155	99.201	96.052	96.606
18	6130	71.366	97.166	79.651	93.422	96.727	96.551	96.365	99.453	96.071	99.675
19	71 0	91.227	92.096	99.596	96.265	96.967	72.266	95.135	99.106	96.670	96.956
20	7130	96.617	95.563	99.158	96.696	93.666	91.676	95.299	99.100	92.939	97.563
21	81 0	95.536	96.327	96.607	92.807	96.698	92.926	91.229	99.466	98.752	95.075
22	8130	75.661	95.910	99.576	93.200	97.566	96.696	96.605	99.167	91.571	93.657
23	91 0	96.669	95.646	99.520	93.269	97.666	96.606	96.275	99.265	93.671	95.776
24	9130	96.675	96.276	99.608	93.667	96.617	95.503	95.961	99.561	93.820	95.655
25	101 0	96.556	97.506	99.665	96.615	97.656	96.601	96.037	99.555	93.960	96.215
26	10130	96.319	95.175	99.561	91.566	97.566	97.270	99.250	99.665	96.607	96.610
27	111 0	96.566	97.660	99.260	90.276	97.150	96.106	96.088	99.669	96.667	97.610
28	11130	97.621	93.206	99.566	91.565	96.661	91.519	97.095	99.570	95.765	95.627
29	121 0	95.101	95.700	99.613	92.427	97.220	96.190	96.610	99.671	91.755	96.090
30	12130	96.973	95.760	99.600	92.720	96.517	95.667	96.096	99.506	97.261	96.571
31	131 0	95.665	96.076	99.170	92.605	96.561	95.221	95.756	99.215	92.950	96.865
32	13130	96.261	93.531	99.176	92.755	96.616	96.609	96.615	99.261	93.385	95.006
33	141 0	99.613	96.661	99.511	96.768	97.367	96.091	96.552	99.279	95.227	95.125
34	14130	96.526	97.669	99.677	97.666	96.695	96.907	95.971	99.567	96.157	95.105
35	151 0	96.375	96.501	99.766	97.602	99.027	100.065	97.616	99.696	97.035	97.666
36	15130	96.615	96.811	99.711	97.056	99.712	100.670	98.671	99.720	98.076	98.667
37	161 0	96.616	97.005	99.756	96.665	99.516	100.550	98.567	99.657	98.292	98.712
38	16130	96.301	98.966	99.027	96.665	99.566	100.606	98.666	99.556	98.356	98.879
39	171 0	96.367	98.882	99.951	98.657	99.702	101.709	98.713	100.131	98.659	99.065
40	17130	96.651	98.375	99.616	98.665	99.665	102.716	98.666	100.135	98.516	99.157
41	181 0	96.162	97.665	99.920	97.666	99.797	100.671	98.700	100.710	98.507	99.166
42	18130	96.166	98.652	99.972	97.666	99.696	100.652	98.627	100.765	98.677	99.191
43	191 0	99.025	98.709	99.665	97.525	99.771	100.561	98.570	100.767	98.667	99.169
44	19130	97.925	98.365	99.769	97.756	95.765	100.566	98.606	100.290	98.606	99.166
45	20127	97.666	97.357	99.766	97.123	99.716	99.335	97.771	99.601	97.671	98.612

TITLE = CASE A DATE 86/10/23 TIME 101301 0

CH. INDEX		231 S=101	232 S=102	233 S=103	234 S=111	235 S=112	236 S=121	237 S=122	238 S=123	239 S=131	240 S=132
INITIAL		0.166	0.167	0.165	0.166	0.162	0.139	0.153	0.167	0.150	0.175
FINAL		0.161	0.163	0.164	0.161	0.159	0.135	0.151	0.165	0.156	0.174
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.006	100.000	100.000	100.000
2	01 0	100.012	100.010	100.000	100.026	100.006	100.223	100.029	100.114	100.000	100.011
3	01 0	100.026	100.018	100.012	100.026	100.012	100.151	100.013	100.072	100.006	100.011
4	01 0	100.030	100.026	100.010	100.063	100.019	99.976	100.026	100.066	100.015	100.029
5	01 0	100.045	100.042	100.006	100.069	100.041	100.056	100.076	100.062	100.032	100.029
6	0130	107.055	100.056	100.010	100.055	100.041	99.904	100.035	99.988	100.051	100.036
7	11 0	100.001	100.056	100.062	100.087	100.025	100.137	100.039	100.044	100.051	100.040
8	1130	109.674	100.072	100.012	100.000	100.017	100.086	100.046	100.042	100.070	100.051
9	21 0	100.085	100.072	100.026	100.390	100.045	100.036	100.059	100.026	100.070	100.057
10	2130	100.098	100.086	100.001	100.190	100.056	100.063	100.082	100.030	100.082	100.068
11	31 0	98.738	99.882	100.067	100.110	100.056	100.108	100.052	100.062	100.085	100.068
12	3130	96.720	99.219	100.095	99.620	100.063	100.110	100.059	100.068	100.080	100.076
13	41 0	89.188	98.973	99.619	96.716	99.816	98.676	100.052	100.076	100.108	100.080
14	4130	99.105	98.390	99.191	87.626	94.256	96.680	99.880	100.170	99.779	100.029
15	51 0	91.800	99.361	98.867	85.870	95.679	87.802	99.359	100.090	98.980	99.808
16	5130	92.651	98.632	99.195	89.806	96.262	88.528	98.805	99.930	96.760	98.686
17	61 0	93.562	98.890	99.160	90.283	97.526	88.000	99.466	99.113	96.950	96.916
18	6130	93.952	96.610	99.120	91.660	97.661	86.565	98.677	99.853	95.419	97.218
19	71 0	93.081	95.972	99.170	91.900	96.391	98.558	99.106	99.502	96.376	97.796
20	7130	96.000	95.799	99.320	91.760	96.386	98.717	99.275	99.520	97.102	97.959
21	81 0	93.676	96.110	99.298	92.163	97.902	98.861	99.632	99.520	96.908	97.600
22	8130	90.196	96.222	99.217	91.015	97.332	91.270	99.205	99.568	97.272	97.665
23	91 0	91.669	99.025	99.266	87.906	95.944	99.119	99.665	99.696	97.965	97.661
24	9130	93.050	99.205	99.181	88.062	95.870	88.666	99.130	99.317	97.500	97.657
25	101 0	93.679	95.727	99.151	90.282	96.761	87.592	99.600	99.197	95.869	96.585
26	10130	93.716	95.809	99.223	91.690	97.070	88.747	99.216	99.317	95.702	96.192
27	111 0	96.285	96.901	99.260	92.051	96.069	88.638	99.216	99.366	96.566	97.357
28	11130	93.981	96.861	99.272	93.230	97.192	90.610	99.275	99.616	96.875	97.583
29	121 0	91.910	95.355	99.096	97.100	97.719	90.720	99.116	99.600	96.869	97.679
30	12130	90.817	96.966	99.205	98.159	95.963	91.265	99.430	99.366	97.127	98.126
31	131 0	93.166	95.675	99.140	89.027	95.670	88.651	99.223	99.588	97.285	97.115
32	13130	92.963	96.536	99.605	91.778	99.257	87.212	99.131	99.606	96.720	96.810
33	141 0	92.986	95.667	99.085	99.673	95.920	88.076	98.706	99.196	95.720	96.296
34	14130	92.537	95.505	99.093	91.131	96.155	89.249	99.131	99.267	95.756	96.065
35	151 0	95.216	95.895	99.060	90.011	96.696	89.421	99.151	99.165	96.108	97.161
36	15130	97.208	97.097	99.101	93.713	96.700	89.571	99.125	99.253	96.107	96.610
37	161 0	98.127	96.398	99.161	96.524	98.082	90.850	99.186	99.328	96.566	97.058
38	16130	98.531	93.606	99.626	98.673	98.697	96.092	99.262	99.668	97.228	97.986
39	171 0	98.622	98.711	99.515	98.815	98.768	97.786	99.565	99.660	97.761	98.529
40	17130	98.723	98.729	99.612	98.035	98.816	97.985	99.567	99.716	98.666	98.867
41	181 0	98.766	98.725	99.765	99.175	99.616	98.151	99.567	99.718	98.810	99.000
42	18130	98.766	98.723	99.702	99.290	99.051	98.110	99.523	99.688	98.910	99.088
43	191 0	98.707	98.681	99.794	99.106	99.070	98.532	99.510	99.036	98.866	99.106
44	19130	98.685	98.616	99.626	99.366	99.071	98.689	99.466	99.066	98.975	99.333
45	20127	97.878	97.938	99.569	98.618	98.896	96.868	98.779	99.173	98.708	99.116

TITLE = CASE A DATE 86/10/23 TIME 101301 0

CH. INDEX		250 V= 21	251 V= 22	252 V= 23	253 V= 24	254 V= 25	255 V= 26	256 V= 27	257 V= 28	258 V= 29	259 V= 71
INITIAL		0.067	0.056	0.058	0.062	0.063	0.065	0.063	0.065	0.062	0.905
FINAL		0.060	0.059	0.035	0.019	0.040	0.042	0.066	0.068	0.068	-1.075
LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	01 0	0.882	0.972	0.972	1.046	1.079	1.082	1.087	1.120	1.066	
2	01 0	0.656	0.796	0.817	0.806	0.896	0.939	0.953	0.997	1.027	
3	01 0	0.879	0.896	0.866	0.918	0.961	1.069	1.066	1.097	1.082	
4	01 0	0.750	0.866	0.888	0.876	0.996	0.966	0.969	0.929	0.997	
5	01 0	0.739	0.807	0.786	0.819	0.855	0.920	0.989	1.062	0.986	
6	0130	1.510	1.323	1.015	0.990	0.927	0.818	0.883	0.819	0.795	
7	11 0	1.469	1.275	0.879	0.905	0.965	0.931	0.979	1.001	1.022	
8	1130	1.302	1.196	0.927	0.862	0.762	0.918	0.969	1.020	0.987	
9	21 0	1.105	0.996	0.860	0.811	0.805	0.741	1.089	1.108	1.118	
10	2130	1.323	1.098	0.846	0.720	0.759	0.812	0.915	0.975	1.085	
11	31 0	1.077	1.511	1.137	0.807	0.700	0.761	0.959	1.092	1.086	
12	3130	1.411	1.271	0.968	0.777	0.685	0.750	0.860	0.991	1.121	
13	41 0	1.339	1.136	0.900	0.747	0.709	0.956	1.027	1.106	1.300	
14	4130	1.391	1.161	0.917	0.761	0.779	0.977	1.066	1.077	1.106	
15	51 0	1.465	1.271	0.966	0.716	0.861	0.918	0.970	1.979	1.183	
16	5130	1.453	1.345	0.987	0.745	0.795	0.880	0.916	1.027	0.966	
17	61 0	1.321	1.136	0.958	0.816	0.762	0.976	1.003	1.025	1.130	
18	6130	1.469	1.375	0.996	0.826	0.765	0.566	0.768	1.061	1.127	
19	71 0	1.367	1.121	0.970	0.866	0.868	0.868	1.086	1.505	1.166	
20	7130	1.465	1.262	0.955	0.816	0.798	0.803	0.905	1.070	1.137	
21	81 0	1.612	1.262	0.963	0.895	0.761	0.865	1.039	1.161	1.960	
22	8130	1.469	1.276	1.000	0.877	0.916	0.887	0.896	1.969	1.092	
23	91 0	1.551	1.269	0.991	0.767	0.749	0.912	1.096	1.106	1.029	
24	9130	1.612	1.197	1.095	0.876	0.879	0.866	0.917	1.060	1.080	
25	101 0	1.477	1.266	0.941	0.776	0.781	0.872	0.956	1.092	1.119	
26	10130	1.517	1.461	1.266	0.869	0.763	0.720	0.869	1.096	1.133	
27	111 0	1.569	1.350	1.076	0.779	0.896	0.620	0.990	1.078	1.150	
28	11130	1.516	1.321	1.306	1.006	0.676	0.925	1.051	1.065	1.000	
29	121 0	1.595	1.367	1.116	0.815	0.616	0.909	1.092	1.092	1.058	
30	12130	1.563	1.476	1.051	0.955	0.855	0.976	0.999	1.006	1.018	
31	131 0	1.663	1.650	1.669	0.860	0.939	0.920	1.015	1.125	1.011	
32	13130	1.629	1.565	1.171	0.896	0.761	0.812	0.969	1.065	0.999	
33	141 0	1.566	1.570	0.970	0.865	0.966	1.070	1.135	1.063	0.982	
34	14130	1.616	1.571	1.113	0.916	0.886	0.968	0.887	0.966	0.877	
35	151 0	1.550	1.666	1.106	0.862	0.660	0.869	1.168	1.115	1.157	
36	15130	1.517	1.186	1.101	0.915	0.816	0.861	1.075	1.116	1.178	
37	161 0	1.531	1.590	1.109	1.866	0.927	0.965	1.101	1.271	1.171	
38	16130	1.176	1.252	1.140	1.066	0.865	0.862	1.013	1.187	1.199	
39	171 0	1.662	1.265	0.991	0.900	0.827	0.919	1.030	1.153	1.156	
40	17130	1.355	1.267	0.960	0.766	0.778	0.865	1.025	1.233	1.205	
41	181 0	1.221	1.238	1.029	0.812	0.861	0.861	0.956	1.080	1.206	
42	18130	1.316	1.288	1.166	0.966	0.865	0.915	1.069	1.087	1.113	
43	191 0	1.365	1.295	0.917	0.766	0.896	1.018	1.079	1.115	1.166	
44	19130	1.262	1.221	1.961	0.969	0.866	0.961	1.060	1.072	1.185	
45	20127	0.891	0.878	0.875	0.867	0.666	0.721	0.709	0.879	0.852	

TITLE = CASE A DATE 06/10/73 TIME 10:38:0

CH. INDEX		240 V= 72	241 V= 73	242 V= 74	243 V=121	244 V=122	245 V=123	246 V=124
INITIAL		0.057	1.922	0.050	0.041	0.043	0.044	0.057
FINAL		0.014	-0.476	0.033	0.0	0.100	0.007	0.063
LOOP	TIME	(N/25)	(N/25)	(N/25)	(N/25)	(N/25)	(N/25)	(N/25)
1	31.0	0.940		0.898	0.762	1.077	1.017	0.887
2	61.0	0.926		1.011	0.888	0.921	1.087	1.029
3	31.3	0.746		1.048	0.833	0.875	1.130	0.951
4	31.0	0.795		1.016	0.871	0.772	1.036	0.980
5	61.5	0.760		0.825	0.812	0.856	1.039	0.882
6	91.5	0.939		0.888	0.821	0.863	0.962	0.862
7	11.0	0.776		1.055	0.888	0.910	1.056	0.996
8	113.	0.847		0.875	0.819	0.926	1.017	1.058
9	21.0	0.947		0.710	0.997	0.991	0.936	0.869
10	213.	1.185		0.988	0.966	0.981	0.966	0.875
11	31.0	0.975		0.882	0.976	0.756	0.906	0.926
12	313.	0.940		0.816	0.925	0.814	0.896	0.874
13	61.0	0.902		0.981	0.889	0.900	0.865	0.819
14	613.	0.910		0.891	1.009	1.145	0.946	0.787
15	91.5	0.891		1.029	0.965	1.065	0.786	0.768
16	913.	0.896		0.027	1.029	1.096	0.867	0.686
17	91.0	0.915		0.957	1.049	1.056	0.798	0.857
18	613.	0.840		0.876	1.069	1.075	0.861	0.667
19	71.0	0.995		0.768	0.968	1.077	0.994	0.783
20	713.	0.886		1.006	1.029	1.088	0.893	0.789
21	81.0	0.876		1.085	0.766	1.015	0.870	0.717
22	813.	0.903		0.889	0.985	1.135	0.970	0.752
23	91.0	0.911		1.081	0.761	1.067	0.989	0.710
24	913.	0.901		0.982	0.977	1.027	0.965	0.726
25	101.0	0.830		1.081	1.066	1.120	1.049	0.777
26	1013.	0.891		1.048	0.956	1.088	1.058	0.861
27	111.0	0.888		1.208	0.997	1.082	0.996	0.852
28	1113.	1.096		1.096	0.957	1.096	0.982	0.733
29	121.0	0.999		0.882	0.916	1.072	0.996	0.798
30	1213.	0.880		1.097	1.162	1.140	1.101	0.728
31	131.0	0.791		1.119	0.938	1.081	1.087	0.836
32	1313.	0.885		0.797	0.948	1.097	1.065	0.870
33	141.0	0.940		0.886	1.010	1.082	0.976	0.795
34	1413.	0.911		0.777	0.909	1.075	1.018	0.795
35	151.0	0.917		1.157	1.014	1.027	0.963	0.762
36	1513.	0.979		1.088	0.888	1.129	0.998	0.795
37	161.0	1.078		1.096	1.098	1.035	1.058	0.855
38	1613.	1.061		0.972	1.019	1.085	1.061	0.777
39	171.0	0.996		1.008	0.907	1.115	1.039	0.822
40	1713.	1.011		0.859	0.966	1.091	1.103	0.736
41	181.0	0.996		0.878	0.927	1.093	0.886	0.710
42	1813.	1.018		0.858	0.900	1.140	0.903	0.888
43	191.0	0.968		1.118	0.836	1.133	0.908	0.779
44	1913.	1.010		0.912	0.851	1.061	0.953	0.796
45	[illegible]	0.721		0.318	0.0	0.862	0.114	0.040

実験No. 6 (B)

TITLE * CASE 6   DATE 86/10/22   TIME 141 51 7

LOOP	TIME	101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		18.500	19.000	18.000	18.799	18.600	18.600	18.600	18.600	18.600	19.900
FINAL		19.300	19.700	18.600	18.200	18.020	18.100	18.100	18.000	17.900	19.300
		(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 2	0.0	0.200	0.100	0.100	0.0	0.100	0.100	0.0	0.0	0.0
3	01 4	0.0	0.0	0.200	0.0	0.0	0.100	0.0	0.0	0.0	-0.200
4	01 7	0.0	0.200	0.200	0.100	0.0	0.100	0.100	0.0	0.0	-0.200
5	01 3	0.200	0.300	0.200	0.0	0.0	0.100	0.100	0.0	0.100	0.100
6	0130	12.400	18.900	14.400	11.900	7.500	5.800	2.700	2.500	1.600	5.000
7	11 0	22.200	31.000	23.800	16.900	11.200	6.200	2.900	2.100	1.400	22.700
8	1130	31.400	36.300	27.100	26.450	11.700	7.200	4.200	2.600	1.500	27.400
9	21 0	41.800	39.200	40.700	25.530	14.860	7.400	4.200	3.200	1.600	31.700
10	2130	52.000	40.900	42.000	25.500	15.400	7.750	4.100	2.600	1.700	33.900
11	31 0	61.000	45.800	55.000	28.000	14.400	8.300	4.500	3.400	2.700	35.000
12	3130	75.300	45.300	55.000	27.500	14.300	7.400	3.400	3.100	2.400	37.400
13	41 0	77.700	46.400	38.700	27.400	14.200	6.960	3.900	3.400	2.700	39.300
14	4130	84.700	47.800	50.800	38.400	17.400	8.700	4.400	3.400	3.400	39.900
15	51 0	91.000	49.900	80.200	31.700	18.800	7.400	4.200	1.300	3.100	41.700
16	5130	96.700	51.100	80.400	31.200	15.400	7.400	4.800	3.800	3.300	43.000
17	61 0	102.900	50.400	20.200	29.470	15.800	7.500	4.400	3.400	3.900	42.800
18	6130	107.370	53.800	82.200	30.100	12.400	6.800	5.000	4.300	3.400	44.200
19	71 0	111.800	56.100	87.400	36.900	12.803	7.200	4.900	4.100	3.400	45.100
20	7130	115.800	55.900	83.300	40.400	11.800	4.900	4.700	4.800	4.400	46.400
21	81 0	116.400	40.400	88.400	35.400	14.300	7.900	5.400	4.700	3.900	48.700
22	8130	121.900	46.500	48.100	32.400	14.900	7.500	5.100	4.700	3.800	47.500
23	91 0	126.700	50.400	48.400	38.400	14.400	8.500	4.200	5.100	4.000	47.900
24	9130	129.000	40.400	46.500	33.400	15.400	7.400	5.500	4.500	3.700	50.500
25	101 0	132.700	50.400	40.400	30.500	16.200	7.800	5.500	4.400	4.000	51.500
26	10130	135.400	50.400	45.900	30.120	12.630	7.400	5.400	4.700	4.100	49.700
27	111 0	136.700	40.700	45.300	33.700	15.100	8.400	6.300	5.800	5.200	50.900
28	11130	140.400	41.300	44.400	33.400	16.900	9.100	6.100	5.200	4.700	52.300
29	121 0	140.800	40.500	44.300	34.200	14.900	9.900	6.400	6.000	5.200	52.700
30	12130	144.700	42.400	44.800	34.400	14.719	9.100	6.900	6.000	5.800	52.900
31	131 0	151.600	44.100	51.600	40.400	14.900	9.100	6.500	5.600	5.000	53.700
32	13130	142.200	42.900	41.400	42.800	29.400	11.200	7.100	6.000	5.400	57.800
33	141 0	144.900	43.400	57.700	43.500	31.100	16.800	7.500	6.100	5.000	55.800
34	14130	144.190	45.100	54.200	44.200	37.170	19.300	8.100	6.700	5.400	56.900
35	151 0	144.200	41.900	54.800	40.800	33.200	13.900	7.900	6.400	5.200	55.100
36	15130	141.703	43.900	57.400	50.800	35.100	14.100	7.700	6.300	5.900	56.400
37	161 0	140.900	41.600	57.100	40.500	34.500	15.790	9.200	7.900	6.100	55.100
38	16130	145.530	42.500	53.800	47.800	34.900	15.800	9.100	7.700	6.400	53.300
39	171 0	130.800	40.700	52.100	45.400	34.500	17.270	9.800	8.300	6.400	52.900
40	17130	130.200	55.000	47.700	42.700	37.000	17.900	9.400	8.000	6.500	49.400
41	181 0	130.800	52.300	44.300	30.500	31.400	17.800	9.700	8.200	6.700	45.400
42	18130	124.273	40.100	38.000	33.400	24.400	18.700	9.800	8.200	6.200	40.900
43	191 0	121.200	39.400	33.700	24.900	25.700	17.300	9.200	7.300	5.900	37.100
44	19130	115.430	36.400	41.400	24.400	20.400	13.900	8.000	6.800	5.100	34.200
45	61124	-0.200	-0.100	-0.400	-0.500	-0.400	-0.500	-0.500	-0.800	-0.700	-0.400

TITLE * CASE 6   DATE 86/10/22   TIME 141 51 7

LOOP	TIME	111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		19.100	18.800	18.500	18.500	18.600	18.700	18.700	19.700	19.200	19.300
FINAL		18.600	18.300	17.900	18.000	18.100	18.100	18.100	19.900	18.900	18.600
		(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 6	0.200	0.100	0.200	0.100	0.0	0.0	0.0	0.0	0.0	0.0
3	01 0	0.100	0.100	0.200	0.100	0.0	0.0	0.0	0.0	0.0	0.0
4	01 0	0.0	0.100	0.300	0.100	0.0	0.0	0.0	-0.100	0.0	0.0
5	01 0	0.100	0.200	0.100	0.200	0.100	0.100	0.0	0.0	0.0	0.0
6	0135	1.000	2.100	1.800	1.000	0.100	0.100	0.0	0.0	0.0	0.0
7	11 0	18.000	9.800	8.800	3.900	1.800	0.800	0.500	0.900	5.300	2.200
8	1130	26.200	19.400	9.000	4.400	2.700	1.300	0.900	19.700	17.100	6.800
9	21 0	28.200	28.800	18.100	6.700	3.800	1.900	1.300	19.900	16.400	10.900
10	2130	30.700	25.900	18.800	8.100	4.720	2.900	1.700	23.000	20.700	14.400
11	31 0	32.500	25.700	17.800	8.100	4.900	2.800	2.000	25.400	21.700	17.400
12	3130	34.700	25.900	18.300	8.900	5.100	3.200	2.400	27.900	25.900	19.700
13	41 0	35.800	28.200	22.300	9.800	5.100	3.400	2.600	29.100	28.100	21.900
14	4130	37.100	27.900	19.500	9.800	4.700	3.500	2.700	31.000	30.100	23.800
15	51 0	30.800	30.200	21.800	10.200	5.800	3.800	2.800	32.100	31.400	25.500
16	5130	40.100	32.100	22.500	9.800	5.800	4.700	2.900	34.100	32.900	26.000
17	61 0	40.900	32.700	27.800	13.300	5.800	4.800	3.100	34.900	33.700	27.000
18	6130	41.800	32.600	26.900	10.700	6.200	4.200	3.300	35.000	34.600	29.100
19	71 0	41.400	33.200	27.500	11.100	6.800	4.900	3.500	36.200	34.300	29.900
20	7130	44.800	35.300	27.800	10.400	8.100	4.900	3.000	37.003	36.400	30.400
21	81 0	44.800	33.800	27.400	11.900	8.000	4.400	4.400	37.000	36.800	31.900
22	8130	45.900	35.300	27.400	13.400	8.800	4.700	4.800	38.800	37.000	32.100
23	91 0	44.900	35.000	27.000	12.300	7.100	5.100	4.100	38.700	38.200	32.800
24	9130	41.100	35.800	26.100	11.900	8.800	5.100	4.300	40.100	38.700	32.800
25	101 0	47.000	37.400	16.000	9.000	5.700	5.000	4.100	41.400	39.500	33.100
26	10130	46.000	36.300	27.100	10.300	5.700	5.000	4.300	41.200	40.700	34.100
27	111 0	47.300	37.500	28.100	11.100	6.000	5.000	4.400	41.400	40.200	34.300
28	11130	47.700	37.500	27.900	10.400	6.400	5.300	4.700	42.200	40.700	34.600
29	121 0	40.530	37.100	26.800	10.500	6.300	5.400	4.800	42.600	40.800	34.700
30	12130	47.400	36.900	26.400	10.700	6.700	5.400	5.000	43.200	41.500	35.400
31	131 0	40.109	38.800	27.000	10.300	6.600	5.400	4.900	43.600	41.700	35.500
32	13130	40.400	39.400	31.400	12.100	7.400	5.600	5.100	43.600	42.500	36.100
33	141 0	51.300	41.000	33.000	12.400	6.700	5.700	5.100	41.900	42.900	36.300
34	14130	51.900	41.400	35.400	14.900	7.750	5.900	5.200	43.900	43.400	37.000
35	151 0	52.200	41.600	34.700	14.500	6.700	6.100	5.300	44.700	43.400	37.300
36	15130	52.700	42.400	35.400	13.900	6.800	6.100	5.400	44.700	44.300	37.400
37	161 0	53.900	43.400	36.300	14.500	7.700	6.700	5.400	45.400	44.700	37.800
38	16130	52.400	44.100	35.300	15.500	6.700	6.700	5.800	45.500	45.300	38.400
39	171 0	51.700	44.700	34.900	13.800	6.100	7.100	6.100	44.600	44.900	38.500
40	17130	40.600	41.400	38.400	15.800	6.700	7.400	6.300	43.600	44.100	38.500
41	181 0	44.200	39.000	38.300	14.900	6.700	7.500	6.100	41.400	42.500	38.100
42	18130	47.600	35.700	38.200	14.800	6.500	7.300	6.150	39.700	40.400	37.000
43	191 0	36.100	34.900	27.700	16.100	4.900	7.200	6.100	36.700	37.300	35.300
44	19130	33.400	24.100	25.400	14.800	4.900	7.100	6.000	33.800	34.400	33.400
45	61124	-0.500	-0.500	-0.400	-0.500	-0.500	-0.600	-0.600	0.200	-0.300	-0.400

TITLE * CASE H   DATE 86/10/22   TIME 141 51 7

LOOP	TIME	121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 38	126 T= 41	127 T= 42	128 T= 43	129 T= 44	130 T= 51
INITIAL		18.903	18.800	18.700	18.600	18.800	19.900	19.300	18.800	18.700	20.700
FINAL		18.900	18.300	19.100	18.100	18.000	20.700	18.500	18.300	18.200	20.700
		(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	0.0	-0.100
3	01 3	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	-0.100	-0.100	-0.100
4	01 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	0.0	-0.100
5	01 0	0.0	0.0	0.0	0.0	0.0	0.0	-0.200	-0.100	0.0	-0.100
6	0130	0.0	0.0	0.0	0.0	0.100	0.100	-0.100	0.0	0.0	-0.100
7	11 0	1.030	0.500	0.203	0.100	0.100	7.900	2.400	0.400	0.0	-0.100
8	1130	2.800	1.100	0.800	0.400	0.500	14.200	9.300	1.400	0.300	7.200
9	21 0	5.703	2.100	1.100	1.202	1.400	21.000	13.400	3.400	0.900	11.400
10	2130	8.400	3.800	2.100	1.900	1.800	23.300	16.500	4.700	1.500	14.700
11	31 0	11.390	3.630	2.500	2.100	2.000	25.000	18.300	4.400	2.700	17.200
12	3130	13.100	4.300	2.900	2.500	2.200	25.800	19.700	7.400	2.500	19.000
13	41 0	14.400	5.200	4.300	2.400	2.500	27.600	20.700	7.600	2.400	20.500
14	4130	16.900	6.400	4.400	3.100	2.700	28.800	22.100	9.400	3.000	21.900
15	51 0	17.800	6.900	4.200	3.130	2.900	30.600	22.900	11.300	3.200	23.300
16	5130	19.800	7.900	4.700	3.600	2.900	30.600	23.800	11.700	3.400	24.100
17	61 0	21.000	7.700	4.800	3.400	3.100	32.600	24.400	11.100	3.400	25.100
18	6130	22.400	8.000	5.000	3.800	3.400	32.300	24.000	12.400	3.800	26.200
19	71 0	23.100	8.900	5.200	4.000	3.900	33.200	24.200	12.900	3.800	26.700
20	7130	23.900	8.900	5.300	4.000	3.800	34.100	27.100	12.400	4.000	27.400
21	81 0	25.000	9.900	5.300	4.100	3.400	34.900	27.700	12.100	4.200	28.200
22	8130	26.000	10.300	5.900	4.300	3.800	36.000	27.400	11.900	4.400	29.100
23	91 0	26.800	10.400	5.400	4.400	3.700	35.900	28.600	12.700	4.500	29.300
24	9130	26.600	10.100	5.700	4.500	4.000	36.200	28.500	11.700	4.500	29.600
25	101 0	26.870	10.400	6.000	4.400	4.400	37.700	29.300	11.000	4.400	30.300
26	10130	25.700	10.800	6.000	4.700	3.600	37.400	30.000	10.700	4.600	30.900
27	111 0	25.700	10.800	6.000	4.700	4.700	37.500	30.500	10.200	4.600	31.300
28	11130	28.003	10.400	6.100	4.400	4.500	38.800	31.300	11.100	4.700	31.900
29	121 0	26.500	11.900	6.400	5.100	4.500	38.400	30.900	12.700	4.900	32.100
30	12130	28.400	10.900	6.600	5.200	4.500	39.400	31.700	13.100	5.100	32.400
31	131 0	28.400	11.433	6.800	5.400	4.700	39.300	31.800	13.500	5.200	32.500
32	13130	28.400	11.430	7.100	5.400	5.000	39.800	32.200	14.200	5.400	32.500
33	141 0	28.400	11.900	7.300	5.600	4.900	39.900	32.400	14.100	5.400	33.100
34	14130	26.503	11.900	7.200	5.600	4.900	39.300	33.200	14.100	5.400	33.300
35	151 0	26.703	11.800	7.400	5.700	5.100	40.400	34.000	13.700	5.400	33.400
36	15130	27.700	11.900	7.700	5.400	5.200	40.300	33.900	14.500	5.700	33.900
37	161 0	27.900	11.400	7.500	5.900	5.400	40.400	34.400	13.500	5.900	34.000
38	16130	27.200	11.200	7.500	6.300	5.400	41.700	35.100	12.400	6.000	34.400
39	171 0	27.000	11.700	8.230	6.700	6.100	41.100	35.000	11.300	6.200	34.400
40	17130	26.703	11.800	8.200	6.900	6.400	40.100	34.100	13.100	6.700	34.000
41	181 0	26.900	12.200	8.500	6.900	6.100	38.300	32.400	17.100	6.700	34.000
42	18130	27.103	12.500	8.400	6.900	6.100	36.300	31.200	15.000	6.800	33.300
43	191 0	26.900	12.300	8.500	6.800	5.900	33.700	29.300	14.300	6.900	31.800
44	19130	25.900	12.400	8.400	6.800	5.400	30.700	28.700	15.400	6.800	29.900
45	61124	-0.400	-0.500	-0.400	-0.500	-0.400	0.400	-0.500	-0.900	-0.500	0.500

TITLE * CASE H   DATE 86/10/22   TIME 141 51 7

LOOP	TIME	131 T= 52	132 T= 53	133 T= 54	134 T= 55	135 T= 61	136 T= 62	137 T= 63	138 T= 64	139 T= 71	140 T= 72
INITIAL		19.300	18.900	18.700	18.700	20.000	19.100	18.000	18.700	20.100	19.400
FINAL		18.900	18.400	18.200	18.200	23.500	18.800	18.400	18.300	20.400	19.300
		(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	0.0
3	01 0	0.0	-0.100	0.0	-0.100	0.0	0.0	-0.100	0.0	-0.100	0.0
4	01 0	-0.120	-0.100	0.0	-0.100	-0.100	-0.100	-0.100	-0.100	0.0	0.0
5	01 0	-0.100	0.0	0.0	0.0	0.0	0.0	-0.100	0.0	-0.100	-0.100
6	0140	-0.100	0.0	0.0	-0.100	-0.100	-0.100	-0.100	0.0	-0.100	0.0
7	11 0	0.0	-0.100	0.0	0.0	0.0	0.0	-0.100	0.0	-0.200	-0.100
8	1130	3.400	2.400	0.800	0.0	0.600	2.100	0.800	0.100	-0.100	0.100
9	21 0	8.300	4.400	1.200	0.400	12.200	6.700	1.000	0.500	8.000	4.400
10	2130	11.400	14.400	2.400	1.100	14.400	10.700	2.400	0.900	10.000	9.000
11	31 0	14.400	12.400	2.800	1.300	16.400	12.700	4.200	1.400	12.700	11.300
12	3130	17.050	14.900	3.100	1.400	17.800	13.500	4.000	1.900	14.300	13.900
13	41 0	18.500	15.400	3.400	1.800	18.300	14.400	6.200	2.200	15.300	15.100
14	4130	19.700	16.400	4.000	2.100	19.800	15.900	7.000	2.500	16.000	16.400
15	51 0	21.000	18.300	4.900	2.200	20.900	17.200	8.800	2.900	16.900	17.000
16	5130	22.800	17.800	4.800	2.500	21.400	18.500	9.500	2.400	18.300	17.700
17	61 0	23.400	19.000	5.200	2.800	22.000	18.300	9.800	3.200	18.900	18.500
18	6130	24.000	19.400	5.100	2.800	23.000	19.900	11.200	3.400	19.300	19.300
19	71 0	24.400	20.430	6.400	2.900	24.100	20.700	11.800	3.700	20.400	20.700
20	7130	25.200	20.500	6.600	3.000	24.500	21.000	12.100	3.600	20.700	20.800
21	81 0	24.000	21.300	6.400	3.700	25.000	21.700	12.200	3.900	21.000	20.800
22	8130	26.900	22.100	6.400	3.700	25.400	21.500	12.500	4.000	21.600	21.600
23	91 0	27.730	23.200	6.000	3.600	26.300	22.500	13.900	4.100	21.900	22.400
24	9130	29.000	23.100	6.460	3.500	26.100	22.500	13.200	4.000	22.700	22.300
25	101 0	22.300	23.100	6.400	3.500	26.100	22.600	13.300	4.100	22.800	22.900
26	10130	24.700	22.800	6.500	3.400	27.400	23.200	12.100	4.500	23.100	23.900
27	111 0	24.300	23.300	6.200	3.500	27.700	23.800	11.400	4.500	23.100	23.000
28	11130	24.900	24.100	6.400	3.800	27.900	24.700	13.200	4.400	23.800	24.000
29	121 0	14.800	24.800	6.700	4.100	28.000	24.400	13.400	4.400	24.200	24.400
30	12130	14.500	24.800	6.900	4.200	28.500	24.700	14.000	4.400	24.100	24.700
31	131 0	16.800	24.400	6.600	4.400	24.800	24.900	13.900	5.000	24.400	24.700
32	13130	31.400	24.900	7.200	4.200	24.800	24.900	14.730	5.100	24.500	24.800
33	141 0	31.700	25.500	7.700	4.500	25.500	24.800	14.200	5.400	25.100	25.000
34	14130	32.020	25.400	7.500	4.400	26.400	25.800	14.800	5.300	25.100	25.300
35	151 0	31.400	26.100	7.000	4.500	26.700	25.000	14.900	5.400	24.800	25.000
36	15130	31.400	26.200	6.900	4.500	26.700	25.400	14.800	5.500	25.700	25.500
37	161 0	32.100	26.400	7.000	4.700	26.800	25.500	14.400	5.300	25.800	25.800
38	16130	32.700	26.800	7.000	4.900	30.000	25.400	15.100	5.400	26.100	26.000
39	171 0	34.100	27.100	7.100	4.700	33.900	25.400	14.900	5.600	26.300	26.300
40	17130	35.300	26.100	7.000	5.200	32.700	25.400	15.300	5.800	26.300	26.300
41	181 0	32.400	25.400	7.700	5.100	30.300	25.400	17.600	6.100	26.500	26.500
42	18130	32.200	25.800	8.700	5.500	29.300	25.400	17.400	6.500	25.700	26.100
43	191 0	31.400	24.800	8.700	5.700	28.400	25.400	11.300	6.100	25.400	25.700
44	19130	30.800	22.700	8.300	5.300	26.500	24.800	11.400	6.100	24.600	24.900
45	61124	7.0	-0.500	-0.900	-0.500	0.500	-0.300	-0.300	-0.400	0.300	0.100

TITLE = CASE A   DATE 86/10/22   TIME 16: 51 7

CH. INDEX		141 T= 73	142 T= 74	143 T= 75	144 T= 81	145 T= 82	146 T= 83	147 T= 84	148 T= 91	149 T= 92	150 T= 93
INITIAL		18.900	18.900	18.900	20.100	18.790	19.000	19.000	20.000	19.000	19.000
FINAL		18.900	18.900	18.300	20.400	19.000	18.600	18.400	20.800	19.400	18.700
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	0.200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	[illegible]	0.200	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	0.0	-0.100
4	[illegible]	0.200	0.0	-0.100	0.100	-0.100	-0.100	-0.100	0.0	0.0	-0.100
5	[illegible]	0.0	0.0	0.0	0.100	-0.100	0.0	-0.100	0.100	0.0	0.0
6	0130	0.100	0.0	0.0	0.0	0.0	-0.100	-0.100	0.0	0.0	0.0
7	11 0	-0.100	-0.100	-0.100	0.0	-0.100	-0.100	-0.100	0.0	0.0	0.0
8	1130	0.300	0.0	0.0	0.0	0.0	-0.100	-0.100	0.0	-0.100	-0.100
9	21 0	1.400	0.400	0.100	1.700	1.400	1.005	0.0	0.0	0.100	0.0
10	2130	4.700	1.900	0.300	8.300	3.900	1.500	0.200	2.000	3.200	1.900
11	31 0	4.800	1.400	0.700	10.400	6.500	2.000	0.500	5.200	6.900	3.000
12	3130	8.460	2.060	1.270	11.570	8.500	2.800	1.000	7.000	8.400	5.300
13	41 0	10.460	2.400	1.500	13.000	9.500	3.900	1.400	8.300	9.460	6.400
14	4130	10.470	2.406	1.400	13.500	10.600	4.700	1.600	9.200	10.400	7.200
15	51 0	11.400	3.200	1.400	13.900	11.400	6.060	1.400	10.000	12.000	8.200
16	5130	13.300	4.100	2.000	14.900	12.400	6.900	1.900	10.900	12.800	9.400
17	61 0	14.100	4.200	2.300	15.400	14.400	8.100	2.300	12.600	13.700	10.400
18	6130	14.590	4.900	2.400	16.300	14.436	8.500	2.400	12.700	14.900	11.400
19	71 0	15.200	4.600	2.500	17.103	15.400	8.400	2.700	13.300	14.700	11.300
20	7130	16.200	5.000	2.700	17.400	15.700	9.400	3.200	13.900	15.400	11.900
21	81 0	18.000	5.300	2.800	18.200	16.100	10.300	4.200	14.300	15.900	12.400
22	8130	17.100	5.400	4.000	18.400	16.346	10.400	4.500	14.900	16.200	12.900
23	91 0	17.400	5.400	4.100	19.200	16.400	10.700	3.550	15.200	16.700	13.400
24	9130	17.400	5.900	4.100	19.600	17.025	11.400	4.000	15.400	17.200	14.100
25	101 0	18.200	5.900	4.200	19.603	17.503	11.100	4.500	15.900	17.400	14.400
26	10130	18.400	5.400	4.300	19.100	17.400	11.900	3.400	16.200	17.600	14.200
27	111 0	17.700	5.000	4.400	20.200	17.600	11.400	3.800	16.300	17.900	14.405
28	11130	16.200	5.300	4.400	20.400	17.540	10.900	3.900	16.400	18.100	14.800
29	121 0	17.900	5.300	3.400	21.100	18.200	11.700	4.200	16.700	18.400	15.100
30	12130	18.300	5.400	3.600	20.900	18.700	12.900	4.100	16.800	18.800	15.200
31	131 0	18.200	5.400	3.400	21.100	18.400	12.100	4.300	17.200	18.400	15.400
32	13130	18.103	5.408	4.000	21.200	19.730	12.100	4.400	17.100	18.800	15.100
33	141 0	18.400	5.900	4.600	21.400	19.006	12.400	4.900	17.100	18.900	15.100
34	14130	18.300	6.300	4.000	21.400	18.400	12.200	4.900	17.200	19.100	15.100
35	151 0	18.400	6.100	4.100	21.500	19.263	11.930	4.700	17.300	19.000	15.900
36	15130	18.400	6.060	4.300	21.400	19.300	12.403	4.700	17.300	19.200	15.400
37	161 0	18.205	5.900	4.200	21.400	19.800	12.400	4.800	17.500	19.400	15.400
38	16130	19.100	6.100	4.300	22.400	20.000	11.720	4.700	17.400	19.430	15.700
39	171 0	19.200	5.000	4.300	22.100	20.200	11.900	4.800	18.200	19.900	16.000
40	17130	19.400	6.100	4.400	22.400	23.200	11.900	4.900	18.300	20.200	16.100
41	181 0	18.400	6.400	4.700	22.400	20.503	11.800	4.000	18.400	20.300	16.100
42	18130	18.430	6.400	4.900	22.400	20.400	11.000	4.200	18.900	20.300	15.900
43	191 0	18.200	6.700	5.000	22.100	20.200	11.100	4.400	18.400	20.400	15.700
44	19130	18.500	6.900	4.900	21.400	20.000	11.300	4.900	18.500	20.400	16.000
45	41124	-0.400	-0.400	-0.400	0.700	-0.100	-0.400	-0.400	0.800	-0.200	-0.300

TITLE = CASE B   DATE 86/10/22   TIME 16: 51 7

CH. INDEX		151 T= 94	152 T= 95	153 T=101	154 T=102	155 T=103	156 T=104	157 T=111	158 T=112	159 T=113	160 T=114
INITIAL		19.000	19.000	19.400	19.300	18.000	19.000	19.000	19.500	19.000	18.900
FINAL		18.400	18.400	20.600	19.000	13.400	18.400	20.500	19.700	18.700	18.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	0.0	0.0	0.100	-0.100	0.0	-0.100	0.0	0.0	0.0	0.0
3	[illegible]	-0.100	0.0	0.100	-0.200	0.0	-0.100	0.100	0.0	0.0	0.0
4	[illegible]	-0.100	-0.100	0.0	-0.100	0.0	-0.100	0.0	0.0	-0.100	-0.100
5	[illegible]	-0.100	0.0	0.100	-0.100	0.0	-0.100	0.100	0.100	-0.100	0.0
6	0130	-0.100	-0.100	0.100	-0.100	0.0	-0.100	0.0	0.0	-0.100	-0.100
7	11 0	-0.100	-0.100	0.0	-0.200	0.0	-0.100	0.100	0.0	-0.100	-0.100
8	1130	-0.100	-0.100	0.0	-0.700	0.0	-0.100	0.100	0.0	0.0	-0.100
9	21 0	-0.127	-0.100	0.0	-0.700	0.0	-0.100	0.0	0.0	-0.100	-0.100
10	2130	0.900	0.0	1.600	0.900	0.700	0.0	0.0	0.0	0.0	-0.100
11	31 0	0.475	0.130	4.406	2.730	1.400	0.200	2.200	0.700	1.000	0.400
12	3130	1.200	0.430	6.400	4.730	1.900	0.400	4.400	2.500	2.100	0.800
13	41 0	1.425	0.800	7.400	6.400	2.403	0.700	4.900	3.900	3.400	1.000
14	4130	2.100	1.100	8.400	7.690	3.300	1.100	7.400	5.000	4.400	1.900
15	51 0	2.400	1.450	9.600	8.200	4.400	1.400	7.700	5.990	5.300	2.100
16	5130	2.930	1.600	10.200	9.000	5.600	1.750	8.500	6.700	5.900	2.400
17	61 0	3.000	1.400	11.100	10.030	6.700	2.100	9.000	7.900	6.400	3.200
18	6130	3.900	1.900	11.800	10.400	7.509	2.300	9.400	8.400	7.000	4.000
19	71 0	4.300	2.100	12.400	11.403	7.400	2.400	10.400	9.090	8.000	4.900
20	7130	4.511	2.900	12.700	12.109	8.200	2.500	10.900	9.400	8.300	4.600
21	81 0	4.400	2.500	13.200	12.400	4.800	2.400	11.100	4.900	8.000	5.000
22	8130	4.900	2.900	13.400	12.900	4.800	2.900	11.500	10.309	9.500	5.400
23	91 0	5.200	2.800	14.400	13.200	4.633	3.200	12.000	10.700	9.700	5.400
24	9130	5.700	2.700	14.400	13.630	4.400	3.200	12.900	11.000	10.100	6.400
25	101 0	5.700	2.800	14.700	13.900	4.400	3.500	12.400	11.300	10.200	6.700
26	10130	5.600	2.900	15.000	14.200	4.400	3.400	12.400	11.400	10.400	6.900
27	111 0	5.400	3.000	15.400	14.400	10.400	3.409	12.700	11.400	10.490	6.300
28	11130	5.703	3.200	15.100	14.400	12.400	3.600	13.200	12.000	10.400	6.500
29	121 0	5.400	3.200	15.200	14.500	4.900	3.700	13.200	12.100	10.400	6.700
30	12130	5.700	3.200	15.400	14.200	10.400	3.800	13.400	12.200	10.800	6.400
31	131 0	5.900	3.400	15.400	15.200	12.500	3.900	13.400	12.400	10.900	6.700
32	13130	5.700	3.500	15.700	15.303	10.500	4.100	13.900	12.500	11.100	7.100
33	141 0	6.200	3.400	15.400	15.400	10.400	4.200	13.400	12.400	11.200	7.100
34	14130	6.400	3.700	15.400	15.400	10.900	4.100	13.900	12.400	11.400	7.400
35	151 0	6.400	3.000	15.400	15.609	10.400	4.400	13.400	12.400	11.400	7.400
36	15130	6.200	3.000	16.000	15.400	11.000	4.500	13.400	12.400	11.700	7.500
37	161 0	6.100	3.800	16.100	16.100	11.100	4.500	13.900	12.405	11.900	7.100
38	16130	6.100	4.020	16.900	16.400	11.430	4.500	14.100	13.100	12.100	7.100
39	171 0	6.500	3.900	16.700	13.200	11.100	4.700	14.200	13.900	12.100	7.200
40	17130	6.200	4.000	16.400	16.400	11.200	4.700	14.300	13.500	12.100	7.400
41	181 0	6.303	4.100	16.700	16.703	11.400	4.400	14.700	15.000	17.300	7.200
42	18130	6.730	4.300	16.400	16.400	11.400	4.400	15.000	15.400	17.900	7.100
43	191 0	7.403	4.400	17.200	17.400	11.400	5.000	14.700	16.000	17.400	7.200
44	19130	6.000	4.700	17.200	16.400	11.500	5.200	15.000	16.000	17.400	7.200
45	41124	-0.402	-0.400	0.700	-0.300	-0.500	-0.400	0.700	0.200	-0.500	-0.400

TITLE = CASE A   DATE 86/10/22   TIME 16: 51 7

CH. INDEX		161 T=115	162 T=121	163 T=122	164 T=123	165 T=124	166 T=131	167 T=132	168 T=133	169 T=134	170 T=135
INITIAL		19.000	19.600	19.400	19.000	18.900	19.400	19.400	19.200	18.900	18.800
FINAL		18.400	20.100	19.300	18.600	18.500	19.900	19.700	18.400	18.500	18.500
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	-0.100	0.0	0.0
3	[illegible]	-0.100	0.0	-0.100	-0.100	0.0	0.0	0.0	-0.100	0.0	0.0
4	[illegible]	-0.100	0.0	-0.100	-0.100	-0.100	0.0	0.0	-0.200	-0.100	0.0
5	[illegible]	-0.100	0.0	-0.100	-0.100	-0.100	0.100	0.0	-0.200	-0.100	0.0
6	0130	-0.100	0.0	-0.100	-0.100	-0.100	0.0	0.0	-0.200	-0.100	0.0
7	11 0	-0.100	0.0	-0.100	-0.100	-0.100	0.0	0.0	-0.200	-0.100	-0.100
8	1130	-0.100	0.0	-0.200	-0.100	-0.100	0.100	0.0	-0.200	-0.100	-0.100
9	21 0	-0.100	0.0	-0.100	-0.100	-0.100	0.0	0.0	-0.200	-0.100	-0.100
10	2130	-0.100	-0.100	-0.100	-0.100	-0.100	0.0	-0.100	-0.200	-0.100	0.0
11	31 0	0.0	-0.100	-0.100	-0.100	-0.100	0.0	-0.100	-0.300	-0.200	0.0
12	3130	0.100	1.000	0.400	0.400	0.300	0.0	-0.100	-0.100	-0.100	-0.100
13	41 0	0.200	2.400	2.400	1.400	0.510	1.400	1.400	0.400	0.700	0.100
14	4130	0.400	3.500	3.400	2.400	0.400	3.200	2.400	1.900	0.900	0.700
15	51 0	0.400	4.500	4.400	3.200	1.000	4.200	3.700	2.700	1.400	0.400
16	5130	1.000	5.000	4.200	3.400	1.400	5.000	4.400	3.900	2.100	0.500
17	61 0	1.200	5.400	4.700	4.400	1.700	5.200	4.400	4.009	2.900	0.400
18	6130	1.900	6.200	4.300	5.200	2.100	6.400	5.400	4.400	3.200	1.100
19	71 0	1.700	6.900	7.200	5.400	2.100	6.400	6.100	5.200	3.400	1.200
20	7130	1.900	7.400	7.700	5.900	2.400	7.000	6.700	5.500	4.000	1.300
21	81 0	2.061	7.400	8.100	6.200	2.700	7.400	7.200	5.800	4.400	1.800
22	8130	2.200	8.400	8.400	6.500	3.000	7.800	7.400	6.100	4.700	1.900
23	91 0	2.400	8.700	8.700	7.000	3.230	8.100	7.700	6.400	5.000	2.200
24	9130	2.400	8.900	9.100	7.100	3.300	8.400	8.000	6.800	5.100	2.100
25	101 0	2.400	9.100	9.100	7.400	3.400	8.500	8.200	7.000	5.300	2.500
26	10130	2.403	9.400	9.500	7.400	3.900	8.800	8.500	7.100	5.500	2.500
27	111 0	2.700	9.500	9.700	7.700	3.400	8.900	8.400	7.200	5.900	2.400
28	11130	2.400	9.400	10.400	8.100	3.400	9.009	8.400	7.500	6.000	2.800
29	121 0	2.430	9.400	10.200	8.400	3.400	9.200	9.000	7.400	6.200	2.900
30	12130	3.000	10.000	10.400	8.030	3.400	9.400	9.100	7.400	6.200	2.900
31	131 0	3.003	10.100	10.400	8.300	4.000	9.500	9.100	7.700	6.400	3.200
32	13130	3.200	10.200	10.400	8.500	3.900	9.500	9.200	7.700	6.300	3.100
33	141 0	3.100	10.200	10.300	8.303	4.100	9.400	9.200	7.900	6.400	3.100
34	14130	3.300	10.200	10.400	8.403	4.900	9.300	9.200	7.900	6.900	3.300
35	151 0	3.400	10.200	10.700	8.500	4.400	9.300	9.200	8.000	6.400	3.300
36	15130	3.400	10.200	10.400	8.800	5.200	9.500	9.100	8.100	6.400	3.500
37	161 0	3.400	10.400	10.702	8.700	4.400	9.400	9.100	8.200	6.900	3.500
38	16130	3.400	10.500	10.800	9.000	3.000	9.400	9.500	8.490	7.100	3.700
39	171 0	3.409	10.700	11.003	9.000	4.400	9.900	9.400	8.500	7.100	3.800
40	17130	3.700	10.900	11.200	9.000	4.400	9.900	9.700	8.400	7.100	3.800
41	181 0	3.300	10.900	11.300	9.000	5.400	10.000	10.000	8.700	7.000	3.800
42	18130	3.403	11.400	11.400	9.100	5.103	10.200	10.000	8.400	7.200	3.900
43	191 0	3.400	11.200	11.700	9.100	5.100	10.300	10.200	8.400	7.300	4.000
44	19130	4.400	11.400	11.400	9.400	5.200	10.400	10.400	9.700	7.400	4.000
45	41124	-0.403	0.500	-0.100	-0.400	-0.400	0.500	0.300	-0.400	-0.400	-0.300

TITLE = CASE B   DATE 86/10/22   TIME 16: 51 7

CH. INDEX		201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31	208 S= 32	209 S= 33	210 S= 34
INITIAL		0.144	0.165	0.142	0.144	0.157	0.166	0.154	0.161	0.162	0.158
FINAL		0.149	0.160	0.159	0.162	0.156	0.166	0.148	0.156	0.159	0.157
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	[illegible]	100.021	100.036	100.136	100.037	100.038	100.047	100.052	100.056	100.040	99.979
3	[illegible]	99.973	99.776	99.900	99.948	99.949	99.916	99.948	99.904	99.852	99.937
4	[illegible]	100.000	99.812	99.599	100.018	99.946	99.946	99.997	99.957	99.979	99.997
5	[illegible]	99.995	99.788	99.395	99.908	99.936	99.885	99.994	99.863	99.878	100.013
6	0130	100.027	99.896	99.900	100.017	99.947	99.916	99.993	99.913	99.871	99.994
7	11 0	87.366	93.405	95.282	98.995	99.095	99.450	88.807	96.259	99.101	100.019
8	1130	88.263	86.142	72.888	92.783	96.447	97.557	87.377	84.596	94.037	99.693
9	21 0	88.792	92.357	88.566	95.442	96.679	97.894	90.457	89.779	87.264	97.789
10	2130	91.714	93.921	87.074	93.709	96.978	98.613	84.891	89.778	90.415	98.472
11	31 0	92.228	93.915	87.063	96.409	97.586	98.463	89.944	89.887	91.536	98.486
12	3130	92.327	94.094	88.735	95.127	96.403	98.421	86.868	92.074	92.133	98.904
13	41 0	91.405	94.778	89.501	95.454	97.498	98.965	87.764	90.877	92.854	98.961
14	4130	91.176	94.861	89.754	95.465	97.011	98.197	89.699	93.918	92.928	98.787
15	51 0	88.785	91.634	89.930	95.932	96.498	98.696	91.357	91.999	91.801	98.609
16	5130	86.866	87.759	75.106	90.373	96.049	97.426	89.337	86.319	94.365	90.866
17	61 0	99.686	97.396	88.918	95.145	92.029	97.691	85.222	86.171	86.069	98.137
18	6130	91.235	97.707	87.424	95.216	95.564	98.710	87.707	88.688	90.556	98.163
19	71 0	92.944	92.228	80.765	95.865	94.617	97.311	87.844	89.869	91.391	97.725
20	7130	92.569	92.557	87.366	95.611	96.417	98.011	87.922	89.316	90.753	98.749
21	81 0	92.897	92.616	88.057	96.501	96.476	98.035	88.468	90.129	90.981	98.156
22	8130	94.366	97.465	89.551	94.555	95.576	98.155	91.050	90.517	90.877	98.368
23	91 0	85.627	88.672	89.833	96.988	94.693	94.865	87.267	86.502	93.390	98.494
24	9130	86.908	87.888	77.963	91.841	95.929	96.095	76.897	86.039	93.907	98.289
25	101 0	91.851	98.487	86.216	91.135	96.069	98.457	86.102	85.723	88.676	97.928
26	10130	84.855	90.118	88.047	93.930	96.851	97.860	87.479	88.007	90.790	98.108
27	111 0	89.080	89.290	86.906	97.903	95.441	97.997	88.697	87.211	92.407	98.049
28	11130	89.355	89.475	86.671	93.063	96.187	96.932	88.419	87.031	92.135	97.732
29	121 0	90.867	98.097	85.690	93.360	96.796	97.444	87.037	86.651	91.798	97.555
30	12130	94.777	91.477	89.853	94.567	96.961	97.697	92.542	89.490	90.679	97.603
31	131 0	95.433	92.705	92.614	95.194	96.992	97.914	96.683	97.037	99.047	97.985
32	13130	95.365	91.951	92.577	95.932	97.811	97.840	96.779	97.398	96.316	97.871
33	141 0	95.691	91.688	92.768	95.993	97.350	98.704	97.076	97.570	97.000	97.806
34	14130	96.895	91.419	92.427	96.096	97.967	98.565	96.974	97.329	97.017	98.213
35	151 0	96.745	91.512	93.725	96.017	97.754	98.800	97.065	97.267	97.597	98.374
36	15130	96.401	91.105	93.928	95.889	96.876	99.094	96.961	97.155	97.496	98.937
37	161 0	96.155	98.706	94.009	96.856	96.103	99.531	96.909	91.945	97.791	98.675
38	16130	95.710	98.153	93.130	95.816	98.033	99.147	96.623	91.939	97.815	98.796
39	171 0	93.425	89.857	93.182	95.725	98.109	99.209	96.481	91.106	97.936	98.757
40	17130	93.895	89.492	93.046	95.948	98.045	99.277	96.161	90.807	97.807	98.460
41	181 0	97.815	88.958	92.675	99.384	98.616	99.289	95.998	98.474	97.912	98.688
42	18130	97.404	88.565	92.577	95.213	97.937	99.205	95.899	90.181	97.836	98.697
43	191 0	97.294	88.176	92.870	95.000	97.816	99.219	95.490	89.765	97.634	98.593
44	19130	97.117	87.963	92.317	94.856	97.828	99.771	95.269	89.608	97.606	98.593
45	41124	96.347	97.009	94.085	90.671	99.789	99.978	98.083	97.316	97.758	99.659

TITLE = CASE 4 DATE 86/10/22 TIME 16: 51 7

CH. INDEX		211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 51	217 S= 52	218 S= 53	219 S= 54	220 S= 55
INITIAL		0.160	0.155	0.158	0.167	0.165	0.150	0.166	0.161	0.159	0.165
FINAL		0.161	0.151	0.155	0.166	0.166	0.155	0.162	0.159	0.160	0.167
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	100.100	100.050	100.000	100.000	100.097	100.044	100.024	100.019	100.266	100.767
3	01 0	99.956	100.066	100.016	100.012	99.909	100.019	100.042	100.004	99.963	99.936
4	01 3	99.963	100.026	100.025	100.026	99.975	100.036	100.056	100.063	99.996	99.868
5	41 0	99.875	100.125	100.051	100.016	99.958	100.044	100.080	100.025	99.768	99.781
6	0130	99.950	100.155	100.057	100.060	99.950	100.060	100.086	100.058	99.811	99.826
7	11 0	99.780	99.956	100.094	100.040	99.509	100.076	100.050	100.062	99.809	99.850
8	1130	99.087	96.070	99.995	99.671	99.268	99.261	98.608	99.966	99.479	99.351
9	21 0	98.301	73.142	86.572	98.800	96.768	82.968	89.671	90.603	99.700	99.132
10	2131	96.576	81.803	85.606	99.627	98.310	85.173	70.677	86.172	97.928	98.708
11	31 0	98.876	90.866	99.756	96.912	97.702	89.633	86.666	80.865	97.118	98.209
12	3130	78.757	87.166	97.683	95.567	96.666	95.599	89.742	81.987	97.599	98.931
13	41 0	98.820	66.709	99.700	96.087	97.576	91.537	90.707	90.081	97.666	98.147
14	4131	78.301	87.115	91.912	98.309	97.611	91.865	90.968	87.675	97.066	97.808
15	51 0	98.195	87.075	91.267	98.266	90.620	92.969	90.190	91.711	96.921	97.675
16	5130	98.202	82.185	92.660	98.291	98.659	92.742	90.623	90.887	97.887	97.827
17	61 3	97.771	75.129	88.668	98.709	97.921	88.165	90.966	93.013	97.717	98.057
18	6131	97.905	88.107	96.866	96.956	97.610	88.597	70.067	83.850	96.316	97.768
19	71 0	97.900	88.696	65.575	76.865	97.696	89.671	88.366	82.965	96.869	97.213
20	7131	97.066	95.107	87.061	98.267	97.279	90.062	87.949	85.598	96.316	97.668
21	81 0	97.690	86.123	89.883	96.962	97.106	96.120	87.633	88.569	96.386	97.298
22	8130	77.610	80.708	88.676	75.116	97.151	90.624	89.669	89.966	96.617	97.226
23	91 0	97.966	88.096	91.618	95.116	97.193	91.066	88.688	88.666	96.966	96.916
24	9130	97.966	77.266	88.006	95.909	97.727	86.167	90.729	91.178	96.368	97.063
25	101 0	97.608	77.722	81.533	95.765	97.261	85.129	85.787	88.336	97.688	97.377
26	10130	97.753	87.066	89.066	96.727	97.266	85.767	81.960	88.620	96.705	96.868
27	111 0	97.306	81.026	87.667	95.915	96.769	88.592	85.696	85.301	96.335	96.716
28	11130	96.760	81.669	89.571	96.961	96.361	89.090	87.667	90.970	96.617	96.566
29	121 0	96.772	83.675	87.576	96.661	96.105	86.700	87.517	89.771	95.920	95.867
30	12130	96.667	79.969	96.156	76.676	96.232	88.696	87.160	86.666	95.765	96.756
31	131 0	97.627	91.703	87.608	96.656	96.067	96.018	87.657	86.677	96.525	96.760
32	13130	87.695	91.208	91.112	95.627	98.861	95.760	91.606	91.069	96.560	96.277
33	141 0	97.363	91.918	96.898	96.299	96.771	96.640	96.277	91.701	96.707	96.383
34	14130	97.296	93.067	95.676	96.625	97.025	95.069	96.658	96.669	96.776	96.090
35	151 0	91.651	92.931	95.352	97.156	97.966	95.211	95.332	95.969	97.866	97.666
36	15130	96.127	93.666	95.293	97.651	98.163	95.000	96.060	96.268	98.111	97.923
37	161 0	96.910	93.965	95.267	97.618	97.638	95.001	95.150	96.656	99.018	98.500
38	16130	98.028	93.621	95.160	97.905	96.377	95.009	96.050	96.577	98.761	97.003
39	171 0	98.816	93.679	95.265	98.177	96.642	96.033	95.127	96.379	98.950	98.666
40	17130	98.957	93.926	95.761	98.157	96.766	96.701	95.017	96.615	99.351	98.765
41	181 0	99.007	93.966	96.950	99.193	96.710	96.661	96.626	96.636	99.210	98.373
42	18130	99.030	93.150	96.716	98.129	96.768	96.310	96.799	96.565	99.627	98.569
43	191 0	98.865	92.982	96.900	98.301	96.766	96.159	96.568	96.566	99.521	98.677
44	19130	98.695	92.966	96.163	98.065	96.671	91.918	96.361	96.520	99.520	98.652
45	[illegible]	100.551	97.216	97.099	98.507	100.665	97.719	97.080	98.675	100.951	101.293

TITLE = CASE 4 DATE 86/10/22 TIME 16: 51 7

CH. INDEX		221 S= 61	222 S= 62	223 S= 63	224 S= 71	225 S= 72	226 S= 81	227 S= 82	228 S= 83	229 S= 91	230 S= 92
INITIAL		0.165	0.160	0.163	0.153	0.160	0.161	0.163	0.159	0.162	0.167
FINAL		0.160	0.165	0.163	0.160	0.164	0.155	0.161	0.150	0.150	0.166
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	100.067	99.920	99.996	100.029	100.016	100.019	100.031	100.019	100.019	100.010
3	01 0	100.367	100.163	99.996	100.053	100.012	100.031	100.075	100.025	100.019	100.017
4	01 3	100.009	100.109	100.026	100.003	100.012	100.044	100.010	100.031	100.031	100.026
5	41 0	100.056	100.209	99.996	100.065	100.006	100.050	100.069	100.066	100.065	100.010
6	0130	100.109	100.026	100.012	100.085	100.016	100.062	100.061	100.066	100.056	100.030
7	11 0	100.109	100.026	100.012	100.105	100.036	100.075	100.061	100.050	100.060	100.067
8	1130	99.150	100.600	100.061	100.105	100.056	100.087	100.080	100.050	100.060	100.067
9	21 0	92.967	96.517	98.962	81.765	100.061	98.268	100.063	100.075	100.087	100.054
10	2131	86.299	96.216	99.865	81.667	99.256	98.563	98.578	100.073	97.135	100.042
11	31 0	89.698	86.326	98.967	80.636	96.676	81.887	98.789	99.090	89.558	99.070
12	3130	92.205	91.362	79.138	65.566	95.781	86.115	87.099	99.290	82.117	99.070
13	41 0	92.772	96.218	99.012	87.850	96.586	86.672	91.996	98.870	87.060	96.710
14	4131	92.866	96.576	96.175	80.782	96.082	90.532	91.837	96.901	88.625	97.258
15	51 0	93.766	91.147	96.175	89.326	96.709	90.519	92.365	98.832	89.365	99.803
16	5130	95.170	92.860	95.221	90.603	95.191	90.519	97.240	98.876	89.673	95.923
17	61 3	96.702	95.213	79.226	90.603	96.966	91.117	97.523	98.872	90.789	96.166
18	6131	88.611	92.186	96.950	89.739	95.855	90.575	97.787	98.801	90.850	95.361
19	71 0	97.866	88.719	73.090	81.069	96.598	86.619	89.390	98.856	89.786	96.696
20	7131	91.302	80.796	90.817	96.865	92.781	82.390	86.162	98.273	85.369	95.981
21	81 0	91.636	90.087	96.763	86.762	91.087	87.990	87.167	98.656	82.762	90.781
22	8130	91.967	91.917	96.696	88.617	91.751	89.162	90.669	98.605	86.086	92.256
23	91 0	92.330	91.156	96.061	87.756	91.692	89.856	91.661	98.505	88.922	96.057
24	9130	92.669	91.300	98.709	89.076	93.261	90.077	90.191	98.317	88.305	93.065
25	101 0	96.235	92.095	98.805	87.969	93.859	90.176	92.707	98.660	89.301	93.677
26	10130	86.653	87.666	98.781	86.167	96.661	89.635	90.676	98.656	89.258	96.135
27	111 0	86.605	85.196	98.755	82.169	97.006	87.065	89.127	98.651	86.808	93.665
28	11130	90.596	89.509	98.757	86.590	93.677	86.710	88.550	98.675	86.701	91.686
29	121 0	90.292	89.190	98.573	86.207	96.150	86.756	88.836	98.567	87.285	91.851
30	12130	90.689	89.306	98.273	85.969	93.763	88.019	87.301	97.563	89.961	91.690
31	131 0	91.036	90.160	98.175	88.596	91.601	88.365	88.000	98.097	87.061	93.752
32	13130	91.665	90.176	98.306	87.166	91.760	80.576	90.188	97.015	87.189	93.619
33	141 0	96.877	97.162	98.180	91.073	93.871	89.690	88.685	97.977	88.087	93.710
34	14130	96.000	91.376	98.665	93.533	96.572	87.710	90.600	98.161	88.596	97.401
35	151 0	95.020	95.726	98.602	95.119	96.131	95.336	93.066	98.569	91.065	96.003
36	15130	95.619	96.396	98.667	95.960	96.090	96.713	95.616	98.605	96.190	95.115
37	161 0	95.002	96.305	98.065	95.959	96.967	96.630	96.396	98.512	95.737	96.261
38	16130	95.651	96.967	99.079	95.936	97.361	96.705	96.670	98.966	96.069	96.665
39	171 0	95.510	96.656	79.060	95.607	97.380	96.867	96.750	99.601	96.100	96.067
40	17130	95.391	96.156	99.108	95.505	97.691	96.860	96.037	99.586	96.316	97.706
41	181 0	95.270	96.267	99.102	95.666	98.739	96.035	96.005	99.660	96.566	97.965
42	18130	95.002	96.932	99.302	95.317	98.700	96.779	97.066	99.969	96.972	98.111
43	191 0	96.901	96.777	79.326	95.292	98.396	96.705	96.901	100.195	96.800	98.212
44	19130	96.756	95.911	99.265	95.171	98.530	96.676	96.030	100.195	96.901	98.212
45	[illegible]	97.056	96.776	99.712	97.677	99.277	96.160	98.072	99.272	98.101	99.976

TITLE = CASE 4 DATE 86/10/22 TIME 16: 51 7

CH. INDEX		231 S=101	232 S=102	233 S=103	234 S=111	235 S=112	236 S=121	237 S=122	238 S=123	239 S=131	240 S=132
INITIAL		0.162	0.167	0.165	0.163	0.161	0.138	0.150	0.165	0.157	0.176
FINAL		0.160	0.165	0.165	0.161	0.160	0.136	0.149	0.166	0.155	0.173
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	100.096	100.000	100.010	100.010	100.006	100.096	100.007	100.010	100.006	100.012
3	01 0	100.012	100.012	100.030	100.063	100.019	99.966	100.013	99.966	100.025	100.012
4	01 3	100.010	100.026	100.026	100.069	100.019	92.965	100.013	99.966	100.025	100.025
5	41 0	100.051	100.026	100.065	100.061	100.065	96.896	100.033	99.966	100.065	100.035
6	0130	100.069	100.036	100.026	100.000	100.031	99.917	100.035	99.952	100.066	100.035
7	11 0	100.052	100.062	100.076	100.060	100.117	99.956	100.067	99.958	100.066	100.066
8	1130	100.060	100.060	100.066	100.111	100.031	99.866	100.067	99.989	100.076	100.052
9	21 0	100.066	100.066	100.069	100.111	100.032	99.969	100.067	99.966	100.070	100.063
10	2131	98.794	100.030	100.069	100.123	100.066	100.015	100.053	99.982	100.003	100.069
11	31 0	97.817	99.367	100.095	99.020	100.013	100.091	100.073	100.006	100.089	100.075
12	3130	80.317	99.081	100.036	91.520	99.065	97.909	100.067	100.012	100.100	100.081
13	41 0	78.736	98.121	99.876	72.260	98.735	89.361	99.867	99.982	99.961	100.098
14	4131	65.769	97.221	99.299	75.967	96.026	88.066	99.266	99.897	97.737	99.701
15	51 0	79.677	91.818	98.617	81.001	96.169	77.669	98.580	99.786	96.675	96.870
16	5130	86.861	93.900	98.961	85.519	95.365	76.967	98.179	99.269	93.275	98.272
17	61 3	86.173	95.110	98.810	85.075	96.956	82.315	98.511	99.009	92.306	95.771
18	6131	98.366	91.893	98.009	87.867	98.378	81.058	98.619	99.075	93.068	95.812
19	71 0	98.311	91.701	98.822	85.887	98.196	83.656	98.866	99.860	93.701	96.076
20	7131	87.999	92.261	99.769	98.677	96.237	73.376	98.971	98.962	96.715	95.909
21	81 0	86.695	90.900	98.991	86.927	96.726	85.196	96.980	99.061	96.736	96.962
22	8130	81.150	81.612	98.676	77.690	95.268	82.228	99.186	98.898	95.015	95.176
23	91 0	72.611	89.096	90.961	75.229	93.666	76.577	98.568	98.755	96.760	96.736
24	9130	87.168	96.695	96.293	81.659	92.656	76.875	97.693	98.097	97.896	93.671
25	101 0	17.875	91.802	96.156	82.676	96.037	76.515	96.526	98.701	92.891	96.891
26	10130	73.982	92.161	96.116	85.950	91.778	78.123	96.255	98.809	91.698	96.275
27	111 0	81.631	91.336	96.191	75.607	95.272	79.866	97.571	98.611	91.866	96.859
28	11130	86.703	92.265	96.257	85.913	95.730	76.012	96.533	98.569	96.052	96.371
29	121 0	86.010	96.315	96.233	81.960	95.161	81.866	98.700	98.587	93.869	96.919
30	12130	87.596	87.216	96.100	79.672	93.115	81.937	98.920	98.393	96.698	96.579
31	131 0	95.966	87.692	96.215	70.009	91.735	80.867	98.213	90.513	91.930	99.173
32	13130	85.570	91.875	97.687	70.592	93.005	76.886	96.279	98.519	93.660	93.600
33	141 0	86.826	90.090	97.905	82.277	96.119	75.262	97.099	98.653	91.222	93.199
34	14130	86.661	91.907	97.965	72.586	96.175	76.673	97.099	98.162	91.227	96.010
35	151 0	92.151	91.162	97.610	81.990	92.067	76.395	98.166	98.779	92.660	93.316
36	15130	96.775	92.796	97.616	86.201	96.211	81.118	98.353	98.038	97.166	96.866
37	161 0	96.219	95.795	97.012	86.981	93.521	76.757	97.930	98.017	92.366	93.026
38	16130	96.311	96.260	97.026	93.600	95.692	92.271	98.631	97.921	92.962	98.616
39	171 0	96.613	96.700	98.030	95.711	96.662	86.560	98.586	98.806	91.396	97.770
40	17130	96.953	96.796	98.966	96.369	96.799	96.801	99.906	98.165	96.295	95.921
41	181 0	97.099	97.015	90.010	76.070	97.666	92.991	99.093	98.161	96.073	96.087
42	18130	97.173	97.219	98.097	97.629	97.650	91.582	98.066	98.387	96.615	97.697
43	191 0	97.210	97.263	98.910	97.966	97.666	95.572	99.026	98.707	96.998	98.060
44	19130	97.267	97.291	99.192	98.096	97.962	95.098	98.986	98.986	97.602	97.957
45	[illegible]	33.577	98.661	99.913	91.765	99.931	99.135	99.060	100.127	99.101	99.608

TITLE = CASE 4 DATE 86/10/22 TIME 16: 51 7

CH. INDEX		250 V= 21	251 V= 22	252 V= 23	253 V= 24	254 V= 25	255 V= 26	256 V= 27	257 V= 28	258 V= 29	259 V= 31
INITIAL		0.065	0.052	0.055	0.065	0.056	0.059	0.050	0.062	0.067	0.060
FINAL		0.066	0.056	0.058	0.063	0.066	0.066	0.065	0.065	0.063	0.121
LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	01 0	0.772	0.896	0.743	0.969	0.960	0.966	0.999	1.070	1.079	
2	01 0	0.876	0.970	0.744	1.017	1.073	1.082	1.100	1.009	0.910	
3	01 0	0.756	0.870	0.807	0.771	0.888	0.878	0.955	0.972	1.058	
4	01 3	0.866	0.987	0.972	1.006	1.096	1.097	1.185	1.078	1.037	
5	41 0	0.991	0.982	1.015	1.072	1.076	1.100	1.056	1.056	1.053	
6	0130	1.700	1.527	1.090	1.015	0.865	0.765	0.879	0.759	0.761	
7	11 0	1.882	1.491	1.252	0.991	0.941	0.913	0.869	0.936	0.870	
8	1130	1.766	1.491	1.162	0.927	0.931	0.922	0.963	0.977	0.966	
9	21 0	1.675	1.323	2.966	2.876	0.955	0.970	1.166	1.126	1.117	
10	2131	1.577	1.596	1.597	0.872	0.700	0.910	1.032	1.067	1.060	
11	31 0	1.576	1.655	0.966	0.636	0.827	1.015	1.166	1.335	1.295	
12	3130	1.625	1.916	1.162	0.776	1.016	0.987	1.015	1.157	1.271	
13	41 0	1.715	1.308	0.996	0.772	0.767	0.926	1.111	1.070	1.066	
14	4131	1.667	1.618	0.936	0.718	0.716	0.029	0.961	1.121	1.156	
15	51 0	1.662	1.676	1.081	0.676	0.903	0.990	1.081	1.073	1.182	
16	5130	1.661	1.730	1.095	0.612	0.796	1.013	1.175	1.300	1.378	
17	61 3	1.755	1.924	1.108	0.927	0.866	1.001	0.988	1.089	1.109	
18	6131	1.777	1.679	1.216	0.726	0.820	1.010	1.082	1.326	1.361	
19	71 0	1.766	1.691	0.966	0.731	0.666	0.958	1.066	1.166	1.226	
20	7131	1.621	1.434	1.061	0.578	0.667	0.601	0.967	1.095	0.965	
21	81 0	1.756	1.660	0.657	0.865	0.666	0.968	1.196	1.266	1.260	
22	8130	1.726	1.567	0.961	0.865	0.915	0.987	1.065	1.137	1.133	
23	91 0	1.771	1.616	0.880	0.756	0.956	0.999	0.998	1.003	1.027	
24	9130	1.766	1.536	0.961	0.869	0.882	0.976	1.111	1.106	1.070	
25	101 0	1.961	1.601	0.952	0.880	0.730	0.910	1.080	1.107	1.218	
26	10130	1.857	1.617	1.056	0.756	0.760	0.879	0.966	1.142	1.151	
27	111 0	1.679	1.666	0.976	0.865	0.881	0.966	1.060	1.130	1.101	
28	11130	1.567	1.567	0.936	0.716	0.786	1.067	1.150	1.190	1.192	
29	121 0	1.602	1.670	0.620	0.897	0.819	0.931	1.037	1.240	1.246	
30	12130	1.723	1.661	0.910	0.676	0.776	0.922	1.108	1.216	1.257	
31	131 0	1.676	1.298	0.829	0.552	0.766	0.967	1.056	0.912	0.965	
32	13130	1.660	1.323	0.817	0.801	0.726	0.870	1.025	0.997	0.937	
33	141 0	1.550	1.285	0.836	0.652	0.667	0.736	0.912	1.196	1.129	
34	14130	1.625	1.237	0.733	0.675	0.662	0.951	1.161	1.180	1.271	
35	151 0	1.524	1.206	0.838	0.291	0.563	0.616	1.020	1.061	0.983	
36	15130	1.577	1.266	0.898	0.266	0.755	0.665	1.090	1.096	1.127	
37	161 0	1.617	1.230	0.763	0.627	0.967	0.803	1.176	1.199	1.080	
38	16130	1.611	1.279	0.766	0.632	0.729	0.795	0.765	0.999	1.086	
39	171 0	1.576	1.311	0.766	0.902	0.750	0.939	1.088	1.195	1.235	
40	17130	1.655	1.015	0.909	0.656	0.635	0.798	0.972	1.109	1.216	
41	181 0	1.667	1.197	0.912	0.666	0.656	0.966	1.011	1.066	1.132	
42	18130	1.667	1.225	0.610	0.617	0.729	0.780	0.972	1.161	1.101	
43	191 0	1.361	1.185	0.665	0.595	0.701	1.017	1.149	1.209	1.271	
44	19130	1.115	1.295	1.032	0.901	0.755	0.796	0.965	1.199	1.258	
45	[illegible]	0.761	0.727	0.956	1.678	1.066	1.067	1.121	1.083	1.089	

TITLE : CASE 6 DATE 86/10/22 TIME 16: 51 ?

CH. INDEX		260 V= 72	261 V= 73	262 V= 74	263 V=121	264 V=122	265 V=123	266 V=124
INITIAL		0.062	-0.054	0.056	0.032	0.045	0.066	0.049
FINAL		5.019	-1.236	0.044	0.038	0.051	0.042	0.054
LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	[illegible]	1.088		0.950	0.957	0.772	1.139	0.865
2	[illegible]	0.976		1.111	0.519	0.960	1.088	0.851
3	[illegible]	1.073		0.887	0.741	0.950	1.130	0.966
4	[illegible]	1.064		0.925	0.816	0.915	0.977	0.819
5	[illegible]	1.051		0.969	0.820	0.888	1.123	0.877
6	[illegible]	1.056		0.900	0.765	0.986	1.199	1.003
7	[illegible]	1.046		0.875	0.862	1.011	0.990	0.798
8	[illegible]	1.000		0.789	0.619	0.912	1.179	0.917
9	[illegible]	1.147		0.722	0.900	0.915	0.996	0.820
10	[illegible]	1.219		0.599	0.802	0.908	1.017	0.931
11	[illegible]	1.111		0.816	0.712	0.966	1.097	0.929
12	[illegible]	1.142		0.884	1.076	1.056	0.911	0.816
13	[illegible]	0.903		0.865	1.249	1.101	0.896	0.876
14	[illegible]	1.001		0.786	1.256	1.156	0.949	0.787
15	[illegible]	0.829		0.906	1.175	1.136	0.961	0.618
16	[illegible]	0.996		0.865	1.182	1.017	1.888	0.738
17	[illegible]	0.963		0.816	1.179	1.006	1.017	0.741
18	[illegible]	0.902		0.886	1.186	1.082	1.061	0.786
19	[illegible]	0.882		0.761	1.196	1.121	1.088	0.685
20	[illegible]	0.919		0.862	0.981	0.961	1.013	0.777
21	[illegible]	0.836		0.777	1.069	0.976	0.977	0.736
22	[illegible]	0.896		0.968	1.078	1.068	1.051	0.748
23	[illegible]	0.801		0.878	1.035	1.011	1.017	0.918
24	[illegible]	0.919		0.885	1.005	0.966	0.999	0.807
25	[illegible]	0.827		0.967	1.037	0.875	0.863	0.850
26	[illegible]	0.745		0.736	1.027	0.969	1.088	0.762
27	[illegible]	0.832		0.788	1.027	0.977	0.979	0.888
28	[illegible]	0.825		0.931	0.951	0.993	0.936	0.831
29	[illegible]	0.759		0.779	0.901	0.913	0.998	0.815
30	[illegible]	0.781		0.885	0.961	0.882	0.958	0.760
31	[illegible]	0.852		0.881	0.875	0.741	0.819	0.659
32	[illegible]	0.881		0.695	0.857	0.800	0.882	0.695
33	[illegible]	0.736		0.631	0.863	0.729	0.910	0.676
34	[illegible]	0.605		0.603	0.798	0.690	0.929	0.599
35	[illegible]	0.662		0.676	0.726	0.690	0.817	0.523
36	[illegible]	0.712		0.695	0.808	0.738	0.697	0.699
37	[illegible]	0.763		0.666	0.872	0.799	0.753	0.607
38	[illegible]	0.725		0.588	0.816	0.665	0.891	0.558
39	[illegible]	0.762		0.557	0.868	0.887	0.750	0.562
40	[illegible]	0.899		0.687	0.786	0.635	0.668	0.599
41	[illegible]	0.783		0.661	0.169	0.717	0.793	0.662
42	[illegible]	0.726		0.569	0.685	0.676	0.880	0.611
43	[illegible]	1.961		0.796	0.820	0.626	0.863	0.686
44	[illegible]	0.827		1.087	0.861	0.809	0.778	0.605
45	[illegible]	1.311		1.191	0.655	0.867	1.071	0.927

実験No. 7 (B)

TITLE = CASE C DATE 86/10/22 TIME 14: 51 7

CH. INDEX	TIME	101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		18.300	18.800	18.500	18.100	18.500	18.400	18.400	18.400	18.400	18.700
FINAL		19.500	20.800	19.800	19.600	19.600	19.400	19.400	19.300	19.300	20.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	-0.100	0.100	-0.100	0.100	0.0	0.0	0.0	0.0	0.0	0.0
3	[illegible]	0.0	0.100	-0.100	0.100	0.0	0.0	0.0	0.0	0.0	-0.100
4	[illegible]	0.0	0.100	0.0	0.200	0.100	0.100	0.100	0.100	0.100	-0.100
5	[illegible]	0.0	0.200	0.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100
6	[illegible]	8.800	27.600	20.100	11.500	0.800	0.100	1.700	1.000	0.700	0.600
7	[illegible]	18.800	49.900	46.000	41.100	1.500	5.100	3.500	2.000	2.700	30.600
8	[illegible]	29.800	55.900	60.900	47.700	16.620	7.600	5.000	4.100	2.700	49.500
9	[illegible]	49.100	58.900	58.700	66.100	18.800	9.100	5.800	4.400	3.100	51.500
10	[illegible]	58.200	65.200	58.100	60.200	20.700	9.500	6.100	5.300	4.100	54.900
11	[illegible]	72.000	65.300	61.200	52.100	21.500	8.600	6.100	6.000	5.600	58.900
12	[illegible]	86.700	72.100	55.300	56.600	31.200	13.500	8.400	7.000	5.600	60.700
13	[illegible]	97.200	75.400	66.100	56.200	31.700	16.900	9.500	6.000	5.500	63.800
14	[illegible]	107.900	75.800	70.400	62.200	43.100	18.200	10.300	7.600	5.900	66.900
15	[illegible]	110.100	76.800	71.600	63.000	47.100	20.700	11.200	8.100	7.200	66.800
16	[illegible]	129.800	81.200	76.900	66.600	44.800	26.000	14.200	8.800	7.800	70.300
17	[illegible]	141.300	86.100	77.200	47.130	52.900	30.700	15.870	10.000	8.000	70.700
18	[illegible]	148.000	86.700	86.000	73.300	56.900	32.900	15.200	11.700	8.900	73.400
19	[illegible]	147.200	85.300	81.900	75.100	57.970	27.700	15.800	11.800	9.100	75.000
20	[illegible]	151.900	86.200	85.100	75.900	80.930	38.800	16.800	11.002	10.300	75.900
21	[illegible]	155.600	86.800	81.000	76.100	82.500	38.000	16.300	11.600	9.700	76.600
22	[illegible]	155.800	89.100	81.100	76.500	85.100	36.000	16.800	12.700	10.400	79.200
23	[illegible]	147.100	88.600	88.900	77.800	83.700	42.200	16.200	12.100	10.700	79.400
24	[illegible]	148.700	90.700	88.200	76.500	85.500	39.800	17.100	12.800	10.400	80.100
25	[illegible]	148.320	90.500	88.705	74.800	88.840	47.100	19.900	15.100	12.200	82.400
26	[illegible]	147.230	92.800	89.200	85.200	86.800	44.500	19.100	13.100	11.100	81.700
27	[illegible]	172.800	93.800	89.200	40.942	84.200	48.260	18.900	13.800	11.700	82.800
28	[illegible]	175.800	94.250	41.100	21.954	89.900	47.600	17.300	14.407	12.400	86.000
29	[illegible]	174.500	92.100	88.700	1.902	70.800	47.900	17.900	13.400	11.800	85.200
30	[illegible]	174.700	90.800	93.100	45.700	71.200	48.400	17.700	15.900	11.800	85.300
31	[illegible]	141.900	88.900	92.865	53.200	71.800	44.720	18.900	13.800	12.000	85.800
32	[illegible]	143.701	90.700	95.700	69.302	70.830	48.700	19.600	14.500	12.700	87.900
33	[illegible]	145.300	98.200	98.100	57.800	74.519	55.600	26.800	15.280	12.700	86.700
34	[illegible]	147.120	102.900	86.800	88.100	72.800	52.500	21.590	15.300	13.200	88.800
35	[illegible]	150.500	103.400	84.800	88.800	83.100	45.400	18.000	16.200	12.700	90.300
36	[illegible]	149.800	101.900	88.800	88.502	88.800	88.900	19.200	16.300	12.700	89.800
37	[illegible]	146.300	90.200	41.700	73.520	86.700	43.700	19.300	15.800	12.900	88.000
38	[illegible]	148.900	90.800	43.100	88.200	70.865	40.700	19.400	16.100	12.800	88.300
39	[illegible]	148.130	92.800	40.200	85.400	84.520	52.500	17.800	16.000	12.200	85.400
40	[illegible]	142.100	85.900	83.200	77.200	55.500	55.900	17.800	16.800	12.900	80.900
41	[illegible]	179.300	79.800	78.200	70.800	80.170	17.900	17.900	15.800	11.100	76.900
42	[illegible]	167.100	72.900	73.300	88.300	58.820	33.800	17.800	15.500	10.600	69.300
43	[illegible]	157.200	65.810	61.300	86.700	58.500	36.000	16.000	12.900	10.500	67.400
44	[illegible]	145.500	60.090	59.400	57.100	47.600	29.100	16.100	11.700	9.400	58.700
45	[illegible]	1.200	2.200	1.100	1.300	1.100	1.000	1.000	0.800	0.900	2.100

TITLE = CASE C DATE 86/10/22 TIME 14: 51 7

CH. INDEX	TIME	111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		18.900	18.500	18.190	18.100	18.800	18.400	18.400	18.600	18.500	18.900
FINAL		19.800	19.890	19.100	19.400	19.400	19.500	19.400	20.800	20.000	19.800
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	0.0	0.0	0.200	0.190	0.0	0.0	0.0	0.100	0.0	0.0
3	[illegible]	0.0	0.0	0.200	0.100	0.0	0.100	0.100	0.100	0.0	0.0
4	[illegible]	0.0	0.0	0.100	0.100	0.0	0.100	0.100	0.100	0.100	0.0
5	[illegible]	0.100	0.100	0.200	0.200	0.100	0.100	0.100	0.100	0.100	0.0
6	[illegible]	3.910	2.800	2.200	1.400	0.720	0.200	0.100	0.100	0.100	0.100
7	[illegible]	41.790	17.200	8.600	5.200	1.500	0.700	0.500	19.900	10.900	6.800
8	[illegible]	87.040	30.800	18.700	7.200	4.000	1.900	1.600	26.700	22.900	13.300
9	[illegible]	87.800	35.800	20.790	8.603	5.400	2.600	2.200	35.900	30.000	20.900
10	[illegible]	57.200	40.700	20.800	9.100	5.710	3.800	2.800	38.800	38.800	26.100
11	[illegible]	58.200	45.300	28.800	18.800	8.100	4.100	3.600	47.600	41.900	30.300
12	[illegible]	58.300	47.900	28.900	9.600	6.200	4.800	3.900	49.900	44.800	36.000
13	[illegible]	67.800	48.800	30.500	15.900	7.720	5.600	4.800	48.900	47.600	37.000
14	[illegible]	61.600	48.700	36.600	16.300	7.720	5.800	4.600	51.500	50.400	39.700
15	[illegible]	65.300	55.950	42.500	16.680	8.900	6.300	5.600	51.600	52.700	42.700
16	[illegible]	67.500	57.200	48.500	19.100	9.790	7.000	6.000	55.600	56.700	45.100
17	[illegible]	68.800	51.700	47.800	25.700	10.600	7.800	6.500	58.000	56.900	47.500
18	[illegible]	72.500	60.100	50.800	28.000	12.710	8.500	7.100	60.200	58.800	49.200
19	[illegible]	72.700	60.100	56.800	22.100	12.500	8.800	7.500	62.700	60.700	50.700
20	[illegible]	73.400	58.800	47.500	21.000	12.000	9.200	8.200	65.000	61.700	52.100
21	[illegible]	74.760	65.300	48.800	25.100	13.500	9.800	8.560	66.800	62.900	53.800
22	[illegible]	75.900	66.800	55.800	23.800	12.100	10.000	8.000	65.100	63.800	54.800
23	[illegible]	77.500	65.700	56.200	26.100	15.100	10.900	9.200	66.900	65.500	56.400
24	[illegible]	79.500	68.800	57.300	31.800	16.100	16.700	9.300	66.800	66.100	57.200
25	[illegible]	75.800	65.560	58.000	26.700	11.100	10.700	9.600	67.100	66.700	58.100
26	[illegible]	75.800	68.100	53.600	29.130	13.800	11.000	9.700	68.100	67.500	59.000
27	[illegible]	81.590	72.800	58.800	15.800	16.800	11.700	10.200	69.700	68.300	60.400
28	[illegible]	32.800	74.700	58.100	20.800	15.500	11.800	10.500	78.800	69.400	61.500
29	[illegible]	32.100	75.100	57.200	52.800	16.800	12.100	15.690	71.100	69.800	61.700
30	[illegible]	45.800	72.700	58.200	36.000	16.000	12.200	18.700	71.700	75.000	62.100
31	[illegible]	46.100	76.100	59.500	55.800	16.800	12.900	10.800	72.060	71.900	65.000
32	[illegible]	49.800	75.800	60.500	31.800	15.800	12.800	10.900	73.800	72.700	65.700
33	[illegible]	45.200	72.590	61.570	57.800	16.700	12.700	11.300	74.500	73.700	66.800
34	[illegible]	17.200	72.850	62.803	58.500	16.800	13.100	11.800	74.500	71.700	65.300
35	[illegible]	17.751	73.350	60.300	36.200	17.200	13.300	11.800	74.300	75.000	66.100
36	[illegible]	60.803	71.100	62.800	31.500	16.900	13.500	12.000	74.100	74.000	66.800
37	[illegible]	17.900	72.000	62.000	52.700	17.700	13.560	12.790	76.800	75.900	66.800
38	[illegible]	65.520	72.300	59.500	30.800	15.900	13.800	12.800	75.500	74.500	66.500
39	[illegible]	63.500	73.800	57.800	41.490	14.800	13.800	12.000	76.600	74.000	66.300
40	[illegible]	40.100	60.700	56.500	28.800	15.100	13.400	11.900	72.600	72.400	65.800
41	[illegible]	74.900	66.700	56.700	27.800	15.800	14.300	12.800	69.100	69.300	63.700
42	[illegible]	69.700	62.800	53.800	27.500	15.100	15.500	11.800	65.100	65.900	61.800
43	[illegible]	12.200	56.900	43.300	26.100	14.800	13.100	11.800	60.000	61.500	59.100
44	[illegible]	56.100	53.800	45.700	21.900	11.100	12.100	10.800	56.500	57.300	56.200
45	[illegible]	1.500	1.100	1.300	1.000	1.000	1.160	1.000	2.200	1.900	1.900

TITLE = CASE C DATE 86/10/22 TIME 14: 51 7

CH. INDEX	TIME	121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 38	126 T= 41	127 T= 42	128 T= 43	129 T= 44	130 T= 51
INITIAL		18.800	18.800	18.800	18.800	18.800	18.700	18.800	18.500	18.400	18.700
FINAL		19.700	19.800	19.800	19.300	19.700	21.800	19.800	19.500	19.400	21.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	0.0	0.0	0.0	-0.100	0.0	0.100	0.700	0.0	0.0	0.0
3	[illegible]	0.100	0.0	0.0	0.0	0.0	0.100	0.300	0.0	0.0	0.0
4	[illegible]	0.100	0.100	0.0	0.0	0.0	0.100	0.200	0.0	0.0	0.0
5	[illegible]	0.100	0.100	0.100	0.0	0.100	0.100	0.100	0.0	0.0	0.0
6	[illegible]	0.100	0.120	0.100	0.100	0.100	0.200	0.100	0.0	0.100	0.0
7	[illegible]	1.900	0.800	0.500	0.200	0.200	14.800	4.300	0.800	0.200	1.100
8	[illegible]	5.800	1.300	0.900	0.700	1.900	18.100	16.300	2.700	0.500	15.800
9	[illegible]	7.800	2.800	1.800	1.600	1.900	18.700	22.800	4.100	1.500	21.100
10	[illegible]	12.200	4.100	2.000	2.500	2.740	31.000	25.700	7.100	2.200	20.800
11	[illegible]	18.200	5.800	3.100	3.500	3.800	41.100	29.600	10.800	3.100	29.900
12	[illegible]	19.600	6.703	4.800	4.000	3.750	44.700	32.100	9.300	3.800	32.900
13	[illegible]	23.590	7.900	5.190	4.840	4.440	44.000	34.000	11.800	4.800	35.400
14	[illegible]	26.500	9.100	6.500	5.800	5.190	47.800	35.800	13.800	5.100	37.800
15	[illegible]	27.800	10.760	7.800	6.100	5.800	50.700	38.700	18.800	5.800	39.700
16	[illegible]	31.200	11.800	8.300	7.000	6.860	52.800	40.100	21.100	6.100	41.700
17	[illegible]	33.700	12.300	9.100	7.900	8.800	54.500	41.800	21.500	6.900	42.300
18	[illegible]	35.100	13.500	9.800	8.080	7.100	56.800	42.800	23.200	7.500	43.000
19	[illegible]	36.800	14.700	10.200	9.500	7.830	57.800	44.900	24.000	7.900	45.800
20	[illegible]	36.900	15.500	10.800	8.700	7.809	57.800	44.100	21.800	8.400	47.300
21	[illegible]	41.500	17.000	11.200	9.100	8.400	54.700	44.900	21.800	9.100	48.300
22	[illegible]	40.800	17.300	11.700	9.800	8.700	58.800	44.800	21.800	9.500	49.300
23	[illegible]	43.020	17.700	12.400	10.800	9.203	60.300	48.100	22.400	9.700	49.900
24	[illegible]	41.100	18.200	13.203	10.800	9.500	61.600	50.200	24.103	10.200	51.300
25	[illegible]	42.200	18.900	13.500	10.800	9.700	61.800	50.800	24.100	10.800	52.000
26	[illegible]	42.900	18.900	13.500	11.500	9.700	62.700	50.800	25.400	10.900	52.200
27	[illegible]	44.800	21.500	14.800	11.800	10.100	66.100	52.000	26.800	11.700	53.100
28	[illegible]	45.700	21.800	14.500	12.000	10.800	65.330	51.000	27.900	11.400	53.800
29	[illegible]	45.400	21.800	14.300	12.010	10.500	65.900	51.900	26.700	11.400	55.000
30	[illegible]	46.200	23.100	15.000	12.303	11.000	66.400	51.500	27.700	11.700	55.100
31	[illegible]	46.030	23.800	16.100	12.700	11.500	88.800	54.200	28.800	12.100	55.900
32	[illegible]	47.030	24.400	16.800	12.800	10.800	67.300	54.800	27.200	12.400	56.300
33	[illegible]	48.800	24.500	16.200	12.730	11.100	67.900	56.300	28.800	12.600	57.000
34	[illegible]	40.400	25.100	16.800	13.000	11.500	68.560	56.100	26.200	12.900	57.700
35	[illegible]	49.800	25.802	16.800	13.900	11.800	70.400	57.100	17.100	12.800	58.200
36	[illegible]	49.800	26.100	17.200	13.500	12.700	80.500	57.800	31.600	13.000	59.800
37	[illegible]	49.700	25.800	17.800	13.700	12.100	70.200	58.000	28.400	13.300	59.400
38	[illegible]	47.130	25.200	18.200	13.800	11.800	68.800	56.900	28.800	13.400	59.900
39	[illegible]	48.700	25.000	17.100	13.400	11.900	68.400	57.700	28.000	13.000	58.800
40	[illegible]	47.300	24.900	16.800	13.200	11.700	65.800	55.700	27.400	13.000	57.800
41	[illegible]	45.930	23.800	16.800	12.800	11.100	63.800	54.800	25.200	12.700	56.500
42	[illegible]	45.000	22.800	15.500	12.700	11.800	59.200	52.800	22.400	12.400	56.600
43	[illegible]	41.720	22.800	15.700	12.800	10.500	56.900	47.800	20.600	12.700	52.000
44	[illegible]	42.100	21.900	15.500	12.300	10.800	50.400	46.000	22.900	12.300	49.100
45	[illegible]	1.200	1.200	1.006	0.900	0.800	2.700	1.200	1.002	1.000	2.700

TITLE = CASE C DATE 86/10/22 TIME 14: 51 7

CH. INDEX	TIME	131 T= 52	132 T= 53	133 T= 54	134 T= 55	135 T= 61	136 T= 62	137 T= 63	138 T= 64	139 T= 71	140 T= 72
INITIAL		18.600	18.500	18.600	18.600	18.790	18.500	18.500	18.600	18.400	18.500
FINAL		20.393	19.500	19.300	19.500	21.500	19.400	19.400	19.400	21.200	20.500
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	0.100	0.0	0.150	0.0	0.0	0.0	0.0	0.0	0.100	0.0
3	[illegible]	0.100	0.0	0.100	0.0	0.0	0.100	0.0	0.0	0.100	0.0
4	[illegible]	0.130	0.0	0.100	0.0	-0.100	0.100	0.0	0.100	0.100	0.100
5	[illegible]	0.120	0.0	0.100	0.0	0.0	0.100	0.0	0.100	0.100	0.0
6	[illegible]	0.100	0.0	0.100	0.0	0.0	0.100	0.0	0.0	0.100	0.100
7	[illegible]	0.700	0.100	0.200	0.150	0.0	0.200	0.100	0.100	0.200	0.100
8	[illegible]	4.100	1.700	0.500	0.200	14.500	4.900	1.400	0.800	4.400	2.400
9	[illegible]	15.700	13.080	1.400	0.520	21.300	11.200	2.100	0.900	15.100	9.800
10	[illegible]	20.703	16.900	2.400	1.199	20.900	16.900	4.200	1.300	19.500	17.900
11	[illegible]	25.100	20.100	4.500	2.200	27.500	19.200	4.100	2.400	27.100	21.000
12	[illegible]	26.200	22.500	5.500	1.800	29.805	21.300	7.700	3.700	26.700	23.100
13	[illegible]	45.500	25.805	4.700	3.300	41.760	23.500	8.900	3.400	26.100	26.400
14	[illegible]	33.000	27.860	6.300	3.633	45.200	26.200	10.900	3.800	27.800	26.100
15	[illegible]	35.226	28.206	7.000	4.820	36.000	27.800	12.700	4.500	29.000	27.900
16	[illegible]	37.800	29.800	8.800	4.800	36.800	28.800	14.100	5.200	30.800	29.100
17	[illegible]	38.800	31.500	10.500	5.803	37.030	31.800	17.800	6.100	32.900	31.300
18	[illegible]	40.800	33.600	11.200	6.800	38.800	32.100	19.600	6.700	32.500	31.400
19	[illegible]	41.500	34.006	11.700	6.100	42.500	33.100	20.100	7.100	33.500	33.000
20	[illegible]	41.800	35.600	11.800	6.500	42.100	35.800	20.300	7.800	34.900	34.500
21	[illegible]	44.500	36.100	11.900	7.000	42.500	36.000	20.500	7.700	36.000	35.100
22	[illegible]	45.900	36.700	12.700	7.600	43.800	37.100	21.800	8.900	37.200	36.700
23	[illegible]	44.403	37.900	13.100	7.600	43.700	36.900	21.600	9.100	37.000	36.900
24	[illegible]	47.900	38.005	13.700	8.000	45.800	38.100	23.100	9.200	38.300	37.300
25	[illegible]	46.706	39.300	14.100	8.103	46.500	39.100	23.600	9.600	39.700	38.600
26	[illegible]	48.900	39.200	15.500	8.500	44.120	38.600	23.500	9.700	39.800	39.100
27	[illegible]	50.000	40.800	13.900	3.500	44.500	40.200	22.900	10.000	39.800	39.500
28	[illegible]	51.200	41.100	15.100	4.930	44.000	41.000	24.000	10.700	41.400	41.000
29	[illegible]	51.500	41.100	15.000	4.190	47.000	41.800	24.000	10.700	41.400	40.900
30	[illegible]	52.003	41.800	14.800	4.100	46.230	42.100	25.200	11.003	42.100	41.900
31	[illegible]	52.390	42.300	15.300	4.900	48.400	43.000	26.500	11.100	42.500	42.200
32	[illegible]	55.800	43.100	16.200	4.400	50.100	43.800	26.800	11.500	43.400	42.400
33	[illegible]	55.900	42.700	15.800	4.800	50.900	43.100	26.300	11.600	44.100	43.500
34	[illegible]	56.700	43.800	19.100	4.700	50.800	44.000	26.400	11.600	44.700	44.300
35	[illegible]	55.800	44.403	17.000	19.100	51.450	45.000	27.500	11.750	44.900	44.400
36	[illegible]	56.100	45.500	16.100	10.203	53.300	45.800	28.700	12.100	45.900	45.400
37	[illegible]	56.900	45.800	16.700	10.500	57.800	44.500	28.400	17.100	46.300	45.000
38	[illegible]	57.800	45.700	16.703	13.800	52.500	45.900	27.100	17.300	45.900	46.200
39	[illegible]	56.200	43.800	19.200	13.900	51.800	45.700	25.800	17.400	44.100	45.700
40	[illegible]	56.100	44.200	19.300	12.490	51.203	44.400	27.000	17.700	45.100	45.000
41	[illegible]	56.903	42.100	14.700	10.700	50.100	41.800	26.000	12.000	44.000	44.100
42	[illegible]	53.300	41.000	14.300	10.000	47.700	41.700	23.100	11.403	43.400	42.000
43	[illegible]	51.163	39.950	15.900	9.900	45.900	40.300	21.700	11.500	41.700	41.700
44	[illegible]	48.400	37.500	14.700	9.800	41.100	38.900	25.200	11.300	39.600	39.500
45	[illegible]	1.700	1.000	0.900	0.900	2.000	1.100	0.900	1.000	2.000	2.000

TITLE = CASE C   DATE 86/10/22   TIME 14:51: 7

CH. INDEX		141 T= 73	142 T= 74	143 T= 75	144 T= 81	145 T= 82	146 T= 83	147 T= 84	148 T= 91	149 T= 92	150 T= 93
INITIAL		16.500	18.500	18.400	18.700	18.500	18.500	18.500	18.700	18.600	18.400
FINAL		19.500	19.500	19.500	21.200	19.800	19.500	19.500	21.100	20.500	19.500
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0:[illegible]	0.200	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	0.100
3	0:[illegible]	0.200	0.0	0.100	0.0	0.100	0.0	0.0	0.0	0.0	0.100
4	0:[illegible]	0.100	0.0	0.100	0.100	0.100	0.100	0.0	0.0	0.0	0.100
5	0:[illegible]	0.200	0.0	0.100	0.100	0.100	0.100	0.0	0.100	0.100	0.100
6	0:30	0.0	0.0	0.100	0.0	0.100	0.0	0.0	0.100	0.100	0.100
7	1: 0	0.700	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.200
8	1:30	0.700	0.100	0.200	0.100	0.100	0.100	0.0	0.100	0.100	0.100
9	2: 0	2.000	0.500	0.300	9.300	2.900	0.900	0.100	1.400	7.000	0.700
10	2:30	7.000	1.200	0.900	15.200	7.200	1.700	0.300	4.100	6.900	7.500
11	3: 0	11.100	2.000	0.800	17.400	10.900	5.100	0.800	9.000	11.100	6.600
12	3:30	14.300	2.400	1.600	19.700	13.800	6.100	1.400	12.200	14.700	9.100
13	4: 0	15.200	4.000	2.400	21.700	15.800	6.600	2.500	14.300	16.800	11.400
14	4:30	17.100	4.200	2.900	22.400	17.000	7.500	2.800	15.900	17.700	12.800
15	5: 0	15.900	5.200	3.300	24.900	18.900	9.400	3.500	17.400	19.100	14.200
16	5:30	20.400	6.000	3.900	25.700	20.700	10.900	3.900	18.700	20.700	15.700
17	6: 0	22.400	6.900	4.300	26.800	22.100	13.000	4.400	20.000	21.700	16.800
18	6:30	23.900	7.700	4.400	27.800	22.800	14.800	5.200	20.900	23.100	18.000
19	7: 0	25.300	8.200	5.400	28.200	23.800	16.700	5.400	21.900	24.200	19.500
20	7:30	26.700	8.500	5.700	29.400	24.800	17.300	6.400	22.300	25.000	20.400
21	8: 0	27.100	9.100	6.000	30.400	24.900	18.000	6.700	23.500	26.200	20.800
22	8:30	28.800	9.300	6.200	31.800	27.100	14.300	7.200	24.600	27.700	21.400
23	9: 0	27.600	10.000	6.700	32.800	27.800	18.800	7.600	25.700	28.700	22.400
24	9:30	28.900	10.000	7.300	32.100	28.700	19.100	8.100	26.900	28.200	22.800
25	10: 0	30.100	10.700	7.400	32.400	29.000	20.000	8.500	26.700	29.900	23.300
26	10:30	30.400	11.100	7.800	34.000	29.700	20.400	8.600	27.200	30.700	24.300
27	11: 0	30.800	11.100	7.700	34.200	30.400	20.700	9.000	27.900	30.700	24.500
28	11:30	32.300	11.700	7.400	35.800	31.000	21.700	9.000	28.000	31.600	25.300
29	12: 0	31.400	12.200	8.500	36.100	31.400	22.300	9.400	28.900	31.900	26.900
30	12:30	32.300	12.700	8.400	36.200	31.800	22.500	9.800	29.200	31.900	26.800
31	13: 0	33.100	12.600	8.700	36.200	32.400	22.500	9.900	29.600	32.400	26.700
32	13:30	33.800	12.800	8.900	36.600	33.100	23.700	10.100	30.100	32.800	27.300
33	14: 0	34.100	13.300	9.200	37.700	33.900	23.700	10.300	30.500	33.400	27.500
34	14:30	34.900	13.400	9.200	37.500	34.600	23.900	10.300	31.000	33.800	27.900
35	15: 0	36.900	13.100	9.200	38.400	34.400	24.200	10.300	31.400	34.500	28.300
36	15:30	35.100	13.900	9.700	39.100	35.000	24.400	10.700	32.100	35.000	28.900
37	16: 0	36.900	13.700	9.900	39.700	35.300	24.800	10.900	32.700	35.800	29.200
38	16:30	36.300	13.900	9.800	40.600	36.100	24.000	10.900	31.000	35.900	29.900
39	17: 0	35.300	13.800	10.300	40.600	35.000	24.200	11.300	33.500	36.000	29.900
40	17:30	36.800	13.600	10.300	39.700	36.000	24.400	11.500	33.600	35.700	29.600
41	18: 0	36.400	13.900	10.300	36.400	35.900	23.300	11.300	32.800	35.300	29.000
42	18:30	32.400	13.900	9.900	35.400	35.000	22.400	11.000	32.000	34.800	28.400
43	19: 0	30.200	12.800	9.500	34.500	33.400	20.200	10.700	32.700	33.600	27.600
44	19:30	29.300	12.500	9.400	33.100	37.400	19.800	10.500	31.400	32.500	26.800
45	21:30	1.000	1.000	1.100	2.500	1.330	1.000	1.000	2.400	1.900	1.100

TITLE = CASE C   DATE 86/10/22   TIME 14:51: 7

CH. INDEX		151 T= 94	152 T= 95	153 T=101	154 T=102	155 T=103	156 T=104	157 T=111	158 T=112	159 T=113	160 T=114
INITIAL		18.500	18.400	18.700	18.500	18.600	18.600	18.700	18.600	18.500	18.400
FINAL		19.400	19.500	20.800	19.400	16.500	19.550	20.700	20.400	19.400	19.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0:[illegible]	0.0	0.0	0.0	0.0	0.100	0.0	0.0	0.0	0.0	0.0
3	0:[illegible]	0.100	0.100	0.0	0.100	0.100	0.100	0.0	0.0	0.0	0.0
4	0:[illegible]	0.0	0.100	0.0	0.100	0.100	0.100	0.0	0.0	0.0	0.100
5	0:[illegible]	0.100	0.100	0.100	0.100	0.100	0.100	0.0	0.0	0.0	0.0
6	0:30	0.100	0.100	0.100	0.100	0.100	0.100	0.0	0.0	0.0	0.0
7	1: 0	0.100	0.200	0.100	0.200	0.200	0.200	0.100	0.100	0.100	0.100
8	1:30	0.100	0.100	0.100	0.100	0.100	0.100	0.0	0.100	0.100	0.100
9	2: 0	0.200	0.100	0.100	0.700	0.100	0.100	0.0	0.100	0.100	0.100
10	2:30	0.500	3.300	4.900	1.400	0.500	0.200	0.0	0.100	0.100	0.100
11	3: 0	1.100	0.600	9.000	9.000	1.600	0.600	6.600	2.100	1.400	0.500
12	3:30	2.000	0.600	11.800	8.600	2.500	0.700	9.900	4.700	3.600	0.900
13	4: 0	2.700	1.600	13.600	10.200	4.400	1.200	11.000	6.800	5.900	1.800
14	4:30	4.000	1.600	14.900	11.600	7.700	1.900	12.800	8.700	7.700	3.000
15	5: 0	4.500	2.100	15.800	13.300	8.800	2.600	13.600	10.000	8.900	4.100
16	5:30	5.400	2.700	17.000	14.400	10.200	3.100	14.100	11.000	9.600	5.000
17	6: 0	6.400	3.200	18.200	16.100	11.500	3.600	15.200	12.100	10.600	5.900
18	6:30	7.100	3.600	18.800	17.400	12.200	4.100	15.500	13.100	11.500	6.900
19	7: 0	7.900	4.000	19.700	18.700	13.200	4.800	17.000	14.200	12.700	7.900
20	7:30	9.000	4.500	20.700	19.400	14.200	5.300	17.900	15.100	13.800	8.900
21	8: 0	9.600	9.100	21.300	20.600	15.900	5.900	18.700	16.300	14.500	9.700
22	8:30	9.700	9.600	22.700	21.200	16.700	6.600	18.900	16.800	15.300	10.750
23	9: 0	10.000	9.700	23.600	21.400	16.600	6.900	19.900	17.500	15.900	11.000
24	9:30	13.700	8.000	23.900	22.700	16.500	7.000	20.400	18.300	16.600	11.300
25	10: 0	11.300	6.500	24.800	23.800	17.300	7.800	21.000	18.700	16.900	11.600
26	10:30	12.600	8.700	25.900	23.500	18.000	8.000	20.900	19.200	17.700	12.000
27	11: 0	12.100	7.100	25.600	24.500	16.100	8.400	22.500	19.900	18.000	12.900
28	11:30	11.900	7.800	26.800	25.200	18.800	8.400	22.600	20.500	18.800	13.300
29	12: 0	12.600	7.500	26.700	25.900	19.100	8.800	23.200	21.000	19.000	13.500
30	12:30	15.700	7.800	26.800	26.800	19.600	9.000	23.500	21.400	19.500	14.000
31	13: 0	15.700	8.100	27.200	26.300	16.400	9.500	24.000	21.800	19.800	14.500
32	13:30	16.200	8.100	27.600	26.900	21.100	9.300	24.100	22.000	20.000	14.800
33	14: 0	16.200	8.300	28.300	27.600	20.800	9.500	24.400	22.600	20.500	15.200
34	14:30	15.900	8.700	28.900	27.400	21.600	9.800	24.900	22.800	20.900	15.400
35	15: 0	16.900	8.700	29.100	27.500	21.200	10.100	25.300	23.300	21.100	15.600
36	15:30	16.800	8.300	29.500	28.400	21.400	10.200	25.400	23.800	21.500	15.700
37	16: 0	15.200	8.900	30.300	29.500	21.500	10.500	26.100	24.100	22.100	15.700
38	16:30	16.400	9.700	30.700	30.200	22.200	10.600	26.800	24.700	22.600	16.300
39	17: 0	16.700	9.500	31.100	30.400	22.500	10.900	27.200	25.100	22.900	16.700
40	17:30	16.600	9.500	30.800	29.800	22.100	10.000	27.200	25.200	23.300	16.600
41	18: 0	16.200	9.600	30.800	30.200	22.100	11.100	27.000	24.200	22.900	14.300
42	18:30	16.900	9.900	30.600	27.500	21.300	10.900	26.900	25.000	22.700	15.600
43	19: 0	15.600	9.600	29.500	27.600	20.600	10.700	26.400	24.800	22.300	15.700
44	19:30	17.900	9.500	28.500	29.100	16.500	10.400	25.500	24.300	21.500	14.900
45	21:30	1.100	1.100	2.200	1.900	1.190	1.100	2.000	1.600	1.100	1.000

TITLE = CASE C   DATE 86/10/22   TIME 14:51: 7

CH. INDEX		161 T=115	162 T=121	163 T=122	164 T=123	165 T=124	166 T=131	167 T=132	168 T=133	169 T=134	170 T=135
INITIAL		18.400	18.400	18.600	18.600	18.400	18.500	18.500	18.600	18.300	18.100
FINAL		19.400	20.300	20.100	19.400	19.400	20.100	20.100	19.600	19.400	19.200
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0:[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0:[illegible]	0.100	0.0	0.0	0.100	0.0	0.100	0.100	0.100	0.100	0.0
4	0:[illegible]	0.100	0.0	0.0	0.100	0.0	0.100	0.100	0.100	0.100	0.0
5	0:[illegible]	0.100	0.0	0.0	0.100	0.0	0.100	0.100	0.100	0.100	0.0
6	0:30	0.100	0.0	0.0	0.100	0.0	0.100	0.100	0.100	0.100	0.0
7	1: 0	0.100	0.100	0.100	0.200	0.100	0.100	0.100	0.200	0.100	0.100
8	1:30	0.100	0.0	0.100	0.200	0.100	0.100	0.100	0.100	0.100	0.100
9	2: 0	0.100	0.0	0.100	0.100	0.100	0.100	0.100	0.200	0.100	0.100
10	2:30	0.100	0.0	0.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100
11	3: 0	0.200	0.500	0.600	0.300	0.100	0.100	0.100	0.100	0.200	0.100
12	3:30	0.300	2.500	2.100	1.200	0.700	1.200	0.800	0.500	0.300	0.100
13	4: 0	0.400	4.000	4.300	2.600	0.900	3.700	2.900	1.900	0.800	0.200
14	4:30	0.700	6.100	6.000	4.500	1.100	5.500	4.000	3.900	1.800	0.300
15	5: 0	1.200	7.400	7.400	5.800	1.700	7.000	6.300	5.100	3.000	0.500
16	5:30	1.700	8.400	8.600	6.700	2.400	8.000	7.300	6.100	4.200	0.800
17	6: 0	2.200	9.400	9.300	7.400	2.900	8.700	8.000	6.600	5.300	1.100
18	6:30	2.500	10.700	10.300	8.300	3.600	9.200	8.700	7.200	5.700	1.800
19	7: 0	3.000	10.900	11.500	9.100	4.300	10.000	9.400	8.000	6.500	2.300
20	7:30	3.500	11.900	12.000	9.800	4.600	10.700	10.200	8.900	7.200	2.800
21	8: 0	3.900	12.400	11.800	10.400	5.600	11.400	10.000	9.400	7.000	3.400
22	8:30	4.400	13.300	13.800	11.400	6.500	12.400	11.700	10.500	8.400	3.900
23	9: 0	4.900	13.900	14.500	11.600	6.600	13.100	12.500	10.700	9.200	4.500
24	9:30	5.300	14.700	15.100	12.100	7.450	13.600	12.800	11.200	9.800	4.800
25	10: 0	5.500	15.100	15.400	12.600	7.700	14.000	13.100	11.600	10.200	5.100
26	10:30	6.000	15.500	15.900	13.100	8.600	14.300	13.800	12.000	10.600	5.500
27	11: 0	6.300	15.900	16.400	13.700	8.800	14.500	14.200	12.400	10.900	5.900
28	11:30	6.600	16.500	17.000	14.100	9.230	15.000	14.700	12.800	11.300	6.400
29	12: 0	6.800	17.000	17.600	14.400	9.300	15.700	15.100	13.500	11.500	6.500
30	12:30	7.000	17.200	17.800	14.400	9.400	15.900	15.700	13.500	12.000	6.900
31	13: 0	7.200	17.400	18.200	15.100	9.900	16.500	15.900	13.900	12.300	7.400
32	13:30	7.500	18.000	18.600	15.500	10.500	16.800	16.200	14.300	12.500	7.500
33	14: 0	7.700	18.200	18.900	15.600	10.600	16.900	16.400	14.400	12.600	7.700
34	14:30	7.700	18.500	19.200	16.300	10.800	17.300	16.700	14.700	13.000	7.900
35	15: 0	8.100	18.900	19.500	16.500	11.200	17.500	17.200	15.100	13.100	8.100
36	15:30	8.200	19.200	19.800	16.500	11.400	17.900	17.500	15.400	13.600	8.400
37	16: 0	8.300	19.600	20.300	17.000	11.600	18.200	17.700	15.800	13.700	8.500
38	16:30	8.500	20.000	20.800	17.500	11.900	18.500	18.100	16.100	14.100	8.800
39	17: 0	8.500	20.200	21.100	17.400	12.000	18.800	18.600	16.400	14.200	8.900
40	17:30	8.700	20.600	21.400	18.000	12.100	19.300	18.800	16.600	14.400	9.000
41	18: 0	8.800	21.000	21.400	17.900	11.800	19.100	19.000	16.000	14.400	9.100
42	18:30	8.900	21.000	21.400	17.800	11.800	19.200	19.000	17.000	14.400	9.000
43	19: 0	8.900	20.900	21.200	17.500	11.900	19.000	18.900	16.700	14.400	9.100
44	19:30	8.800	20.700	20.900	17.200	11.900	18.800	18.500	16.400	14.100	9.200
45	21:30	1.800	1.700	1.500	1.800	1.900	1.800	1.000	1.200	1.100	0.900

TITLE = CASE C   DATE 86/10/22   TIME 14:51: 7

CH. INDEX		201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31	208 S= 32	209 S= 33	210 S= 34
INITIAL		0.155	0.166	0.169	0.166	0.157	0.167	0.159	0.163	0.166	0.159
FINAL		0.160	0.157	0.155	0.159	0.156	0.146	0.146	0.154	0.157	0.156
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0:[illegible]	99.987	99.988	99.869	100.336	99.168	100.188	99.987	100.095	99.988	99.931
3	0:[illegible]	99.965	99.816	99.826	100.090	99.822	100.056	99.876	99.978	99.819	99.881
4	0:[illegible]	99.955	99.875	99.588	100.002	99.973	100.017	99.967	99.965	99.916	99.918
5	0:[illegible]	99.956	99.866	99.887	100.000	100.000	99.986	99.861	99.886	99.855	99.918
6	0:30	100.019	99.887	99.812	99.990	100.032	99.986	99.869	99.871	99.879	99.957
7	1: 0	87.809	99.616	91.882	99.697	99.506	99.866	90.898	97.256	99.831	99.869
8	1:30	85.125	78.800	80.880	96.938	95.751	99.166	87.653	78.709	85.176	99.876
9	2: 0	81.995	87.676	75.815	91.155	93.677	97.558	85.888	76.530	81.535	98.454
10	2:30	86.995	90.996	82.871	94.962	95.076	97.087	78.810	86.310	76.292	96.940
11	3: 0	86.919	91.290	82.899	90.630	93.861	96.868	90.776	86.516	86.177	96.751
12	3:30	86.063	92.579	86.912	91.388	95.898	95.783	81.800	86.901	81.270	96.865
13	4: 0	68.671	92.120	86.602	92.411	94.777	95.885	87.867	85.919	87.389	96.850
14	4:30	66.501	91.278	86.635	90.677	96.808	95.601	85.769	87.570	87.791	96.240
15	5: 0	76.499	86.881	78.886	90.037	94.908	95.995	76.769	87.072	86.777	96.387
16	5:30	66.361	85.095	89.791	86.810	89.631	95.575	89.183	73.795	86.060	95.916
17	6: 0	76.588	88.703	81.214	88.961	91.600	95.019	78.886	81.619	77.586	95.319
18	6:30	85.792	88.958	81.091	80.909	92.988	96.589	81.987	80.396	77.806	95.727
19	7: 0	89.192	88.151	80.991	79.951	92.011	95.625	85.376	85.580	83.115	95.677
20	7:30	86.050	87.666	76.195	89.774	91.159	93.289	79.867	81.863	85.075	96.927
21	8: 0	86.026	87.171	81.785	89.881	91.880	95.290	81.596	87.651	83.869	96.596
22	8:30	87.567	88.887	89.630	89.688	92.815	96.103	86.785	86.850	86.275	96.621
23	9: 0	86.263	86.197	81.089	91.876	91.575	96.409	86.615	85.956	87.667	95.306
24	9:30	87.719	86.128	77.266	88.696	91.667	96.361	79.277	81.096	90.537	95.256
25	10: 0	86.290	86.988	81.656	88.962	91.916	95.571	85.861	87.857	88.061	95.193
26	10:30	90.255	87.885	81.661	90.590	91.352	95.507	87.855	85.156	88.675	95.815
27	11: 0	90.961	82.127	79.889	87.605	92.505	96.861	79.285	78.611	88.270	95.690
28	11:30	81.213	81.988	78.675	86.689	92.116	95.121	80.190	78.993	85.605	95.217
29	12: 0	81.142	81.128	79.881	86.016	91.775	95.510	81.611	79.293	85.860	95.386
30	12:30	81.910	81.871	81.921	87.888	92.555	95.237	82.381	79.626	85.405	95.350
31	13: 0	82.576	80.085	83.369	89.003	91.125	95.211	88.017	81.720	86.661	95.169
32	13:30	72.507	80.550	85.857	89.868	91.550	95.620	88.689	80.862	86.663	95.357
33	14: 0	82.706	79.818	86.683	89.027	91.795	96.197	85.785	81.616	89.976	95.565
34	14:30	82.960	79.670	86.097	90.511	93.910	96.605	85.875	81.916	90.860	95.809
35	15: 0	83.596	78.712	85.965	90.663	94.510	97.037	85.865	82.247	93.752	95.905
36	15:30	87.086	78.117	86.727	90.650	95.262	97.385	85.989	81.867	92.935	96.226
37	16: 0	81.596	78.968	86.110	90.668	96.968	97.560	85.566	81.200	94.705	96.550
38	16:30	86.865	76.076	85.602	90.251	95.172	97.966	88.741	80.666	94.779	96.759
39	17: 0	86.689	75.116	85.091	89.702	96.901	97.966	86.190	80.007	94.340	96.807
40	17:30	79.311	76.271	86.536	89.385	95.115	97.967	85.570	79.366	96.757	96.696
41	18: 0	78.622	73.458	86.266	86.961	94.911	97.882	83.056	78.835	83.903	96.626
42	18:30	77.915	72.817	86.187	86.675	94.716	95.076	82.689	78.766	81.975	96.469
43	19: 0	76.269	72.902	86.112	86.777	94.909	97.918	87.387	78.031	83.867	96.510
44	19:30	76.667	72.071	83.001	87.070	96.519	98.088	87.190	77.957	83.601	96.360
45	21:30	90.140	95.762	93.733	86.316	97.079	98.256	92.144	96.371	84.433	97.065

TITLE = CASE C DATE 86/10/22 TIME 141 51 7

CH. INDEX		211 S= 39	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 51	217 S= 52	218 S= 53	219 S= 54	220 S= 55
INITIAL		0.140	0.165	0.181	0.144	0.145	0.181	0.168	0.143	0.148	0.165
FINAL		0.158	0.150	0.154	0.145	0.144	0.193	0.161	0.158	0.156	0.163
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	100.050	99.902	99.957	100.030	99.966	100.019	99.966	100.002	99.912	99.855
3	01 0	99.775	99.809	99.950	100.042	99.710	99.996	99.966	100.105	99.580	99.688
4	01 0	99.950	99.860	99.960	100.036	99.976	99.981	99.957	100.086	99.860	99.727
5	01 0	99.966	100.000	99.975	100.030	99.936	100.012	99.980	100.086	99.779	99.781
6	0130	100.050	100.065	99.988	100.030	100.115	100.019	100.000	100.117	99.975	99.861
7	11 0	99.887	99.966	99.966	100.077	99.879	99.950	99.967	100.289	99.766	99.571
8	1130	99.541	77.800	95.719	99.961	99.497	96.679	96.667	100.249	99.767	99.588
9	21 0	97.675	98.255	77.870	96.938	98.516	75.140	79.566	99.090	99.769	99.782
10	2130	97.056	72.709	73.733	91.625	95.966	74.023	88.751	87.089	96.959	97.783
11	31 0	95.941	78.966	82.008	87.561	96.018	86.138	79.078	78.517	95.098	96.220
12	3130	95.795	80.661	81.542	94.201	95.669	85.665	81.678	89.566	95.108	96.676
13	41 0	95.767	82.086	86.861	93.660	95.305	86.781	86.619	85.965	96.068	96.276
14	4130	95.066	83.492	85.779	97.955	96.027	87.087	86.221	86.706	96.356	96.796
15	51 0	94.940	78.338	86.618	92.566	96.990	87.037	85.975	89.777	93.868	96.632
16	5130	94.659	87.879	86.381	96.913	96.526	82.788	80.562	88.671	93.673	96.069
17	61 0	96.066	88.085	78.491	86.225	93.936	78.531	71.991	82.118	93.116	95.807
18	6130	96.003	77.657	77.199	86.379	93.565	78.958	70.028	78.558	91.791	95.087
19	71 0	93.721	77.957	81.679	99.621	93.666	86.261	82.280	81.100	91.627	95.362
20	7130	92.107	76.063	81.637	91.299	91.966	83.931	82.185	80.249	97.391	92.105
21	81 0	92.320	77.342	85.232	91.067	91.750	86.192	81.680	82.030	91.550	91.566
22	8130	92.795	77.866	82.809	90.266	91.025	86.124	81.882	81.636	90.566	90.696
23	91 0	94.010	83.926	86.208	91.010	92.107	86.985	82.825	85.516	90.370	90.010
24	9130	93.377	77.200	87.152	92.059	92.630	87.801	86.352	85.083	91.799	91.781
25	101 0	95.789	77.296	86.517	91.074	92.050	83.273	82.269	87.795	97.910	92.370
26	10130	96.628	79.328	86.176	91.066	92.650	83.615	82.628	85.668	92.561	91.050
27	111 0	96.005	78.956	85.617	92.726	93.961	85.273	83.037	86.837	92.739	92.280
28	11130	96.060	79.018	79.591	92.112	93.260	83.329	81.735	86.660	93.706	92.865
29	121 0	96.903	76.065	81.027	90.660	93.698	82.466	78.026	85.608	93.816	92.778
30	12130	96.809	77.616	81.952	89.766	93.927	83.061	80.539	86.965	93.961	92.033
31	131 0	93.962	80.066	83.669	90.676	93.661	86.340	82.538	86.136	96.067	92.968
32	13130	96.065	81.950	86.027	91.965	95.321	86.272	85.668	85.040	97.877	92.918
33	141 0	96.915	82.095	86.208	92.261	93.961	86.766	86.799	88.696	96.298	92.667
34	14130	95.718	83.099	87.065	92.600	96.919	87.321	87.189	88.251	96.529	93.207
35	151 0	95.791	85.335	88.562	95.260	96.659	88.222	87.541	89.980	95.680	96.887
36	15130	96.335	85.619	89.103	93.661	95.922	88.787	88.878	91.136	96.786	96.900
37	161 0	96.799	85.770	89.887	94.709	95.692	88.967	89.001	97.262	96.676	96.517
38	16130	96.675	85.395	89.055	94.092	96.677	88.669	89.518	93.186	96.836	96.681
39	171 0	97.675	85.016	89.991	99.210	96.699	88.315	89.116	95.301	97.068	95.980
40	17130	97.140	86.712	89.266	99.171	96.791	87.969	88.075	95.266	97.676	95.783
41	181 0	97.550	86.270	88.875	95.299	97.019	87.638	88.666	95.185	98.176	95.995
42	18130	97.658	83.076	88.688	95.276	97.027	87.251	88.112	95.019	98.076	96.690
43	191 0	97.656	83.006	88.103	95.193	97.741	86.999	87.686	92.768	98.775	96.789
44	19130	97.630	83.288	87.726	95.012	97.220	86.001	87.410	92.596	98.962	96.789
45	23130	99.041	91.917	95.875	97.733	98.866	95.306	99.728	96.998	97.865	98.566

TITLE = CASE C DATE 86/10/22 TIME 141 51 7

CH. INDEX		221 S= 61	222 S= 62	223 S= 63	224 S= 71	225 S= 72	226 S= 81	227 S= 82	228 S= 85	229 S= 91	230 S= 97
INITIAL		0.160	0.169	0.166	0.157	0.160	0.166	0.165	0.161	0.166	0.168
FINAL		0.159	0.166	0.162	0.169	0.166	0.156	0.160	0.157	0.158	0.165
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.200	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	100.026	100.167	100.076	99.961	100.000	99.996	99.970	100.000	100.000	100.018
3	01 0	100.006	100.100	100.018	99.975	99.966	99.988	99.969	100.000	99.996	100.012
4	01 0	99.996	100.101	100.031	99.975	99.987	99.966	99.988	100.006	100.006	100.012
5	01 0	100.012	100.410	99.996	100.000	99.966	99.988	99.978	99.996	100.006	99.996
6	0130	100.014	100.283	99.996	100.819	100.018	99.996	99.996	99.996	100.051	99.988
7	11 0	100.062	100.071	100.031	100.200	100.076	99.988	99.978	99.981	100.006	100.006
8	1130	97.610	100.311	100.006	95.971	100.051	100.000	99.966	100.000	100.063	100.030
9	21 0	98.619	96.095	99.997	91.580	100.065	96.167	99.887	99.996	98.926	100.006
10	2130	75.665	80.190	99.056	75.668	99.615	87.560	97.059	99.960	91.393	100.056
11	31 0	83.510	75.762	98.651	86.957	96.166	80.182	87.821	99.661	78.860	99.776
12	3130	87.229	85.506	98.285	76.278	93.666	76.919	80.367	99.560	70.679	96.758
13	41 0	87.671	85.723	97.201	91.156	93.887	81.371	85.370	97.967	75.669	90.793
14	4130	88.625	87.600	97.690	93.666	91.907	82.219	86.857	97.572	81.576	91.590
15	51 0	88.856	86.969	97.661	96.299	92.977	88.583	86.802	96.599	87.169	91.657
16	5130	88.078	88.671	97.138	86.577	97.218	85.938	87.219	96.147	83.665	88.997
17	61 0	82.995	86.000	96.051	88.005	90.617	85.095	90.077	95.757	86.810	90.801
18	6130	86.983	80.697	96.793	71.179	90.057	76.865	85.630	95.509	87.676	91.070
19	71 0	85.822	80.579	96.619	73.158	79.696	72.857	76.705	95.555	75.518	87.817
20	7130	76.298	83.781	76.630	74.258	85.628	78.175	73.622	96.068	78.958	88.061
21	81 0	86.619	85.020	96.180	79.880	87.866	81.356	80.569	96.070	77.655	86.577
22	8130	89.856	85.620	95.605	79.156	87.698	82.191	86.267	96.270	80.011	86.656
23	91 0	86.865	87.051	95.329	79.969	87.660	81.686	85.160	95.059	80.726	89.606
24	9130	86.729	87.116	95.266	82.696	86.866	82.565	81.667	95.119	80.972	88.851
25	101 0	86.075	89.199	95.661	89.231	88.865	85.371	82.228	97.756	82.762	87.937
26	10130	86.012	88.721	96.015	81.595	90.705	85.926	87.617	97.019	86.057	88.256
27	111 0	87.909	89.823	96.151	81.530	90.710	86.186	86.658	96.809	85.978	89.557
28	11130	86.266	87.067	96.606	73.197	88.081	86.866	87.081	95.711	87.507	89.013
29	121 0	86.175	87.133	96.206	83.591	91.791	86.162	85.951	96.177	81.972	87.567
30	12130	86.500	86.501	96.066	79.265	89.785	82.876	80.875	96.177	83.676	90.293
31	131 0	86.966	85.219	96.216	79.812	83.766	81.956	83.758	96.531	80.878	89.811
32	13130	85.616	87.676	96.192	81.979	86.792	82.659	86.686	96.596	87.137	89.535
33	141 0	87.510	87.926	96.106	86.666	85.700	85.620	86.637	96.702	85.318	88.520
34	14130	87.909	88.199	96.186	85.097	86.726	87.138	87.076	96.874	86.190	88.870
35	151 0	88.396	89.987	96.636	87.883	91.038	88.196	88.566	96.808	87.556	89.917
36	15130	89.562	91.187	96.601	88.160	91.768	89.310	90.010	96.809	89.058	90.900
37	161 0	89.292	91.985	96.955	80.966	92.096	89.616	90.606	95.060	90.150	97.138
38	16130	89.276	92.575	97.275	89.666	93.068	91.358	92.597	96.079	91.760	95.607
39	171 0	88.913	92.595	97.356	89.900	93.881	91.880	92.891	96.075	97.616	93.655
40	17130	90.519	92.221	97.571	89.839	95.069	91.965	93.958	96.793	93.006	96.810
41	181 0	90.123	92.186	97.791	89.695	95.266	91.750	93.676	97.075	93.270	95.286
42	18130	87.772	91.916	97.760	89.227	95.867	91.523	93.506	97.570	93.703	95.495
43	191 0	87.342	91.973	97.779	88.967	95.670	91.270	93.606	98.009	93.037	95.578
44	19130	87.071	90.970	97.756	88.630	95.815	91.016	95.261	98.428	87.807	95.655
45	23130	96.555	98.571	78.639	96.713	96.256	95.272	97.223	97.477	96.332	98.209

TITLE = CASE C DATE 86/10/22 TIME 141 51 7

CH. INDEX		231 S=101	232 S=102	233 S=103	234 S=111	235 S=112	236 S=121	237 S=122	238 S=123	239 S=131	240 S=137
INITIAL		0.166	0.168	0.164	0.169	0.161	0.140	0.151	0.166	0.157	0.173
FINAL		0.159	0.166	0.163	0.159	0.159	0.139	0.148	0.166	0.156	0.172
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	99.996	100.036	99.966	100.006	100.000	99.916	99.987	99.966	100.000	99.996
3	01 0	100.006	100.036	99.950	100.026	100.006	99.799	99.980	99.928	100.006	99.996
4	01 0	100.012	100.062	99.976	100.018	100.000	99.928	99.987	99.996	100.000	99.996
5	01 0	100.012	100.000	99.982	100.018	100.006	99.865	99.980	99.976	100.019	100.000
6	0130	100.010	99.996	99.982	100.010	100.006	99.957	99.987	99.987	100.032	99.996
7	11 0	100.012	100.062	99.970	100.060	99.996	99.769	99.976	99.890	100.032	99.996
8	1130	100.012	100.026	99.958	100.036	99.996	99.985	99.980	99.966	100.019	99.988
9	21 0	100.026	100.000	99.970	100.036	99.996	99.987	99.980	99.958	100.032	99.988
10	2130	97.112	100.006	99.976	100.067	100.006	99.965	99.900	99.966	100.038	99.988
11	31 0	88.676	98.666	99.966	95.667	99.075	99.368	99.961	99.640	100.057	99.996
12	3130	76.185	97.066	99.986	86.675	99.627	96.615	99.868	99.996	99.962	99.868
13	41 0	86.661	80.707	99.786	85.860	91.189	90.096	99.281	99.936	97.577	98.886
14	4130	76.850	88.703	99.320	98.677	90.692	81.076	97.082	99.025	96.675	98.069
15	51 0	79.619	83.361	97.996	72.625	90.819	59.047	96.669	99.771	86.972	97.171
16	5130	80.305	89.661	97.505	71.962	92.267	68.567	97.861	99.367	81.979	85.729
17	61 0	83.219	86.666	96.822	75.510	91.192	87.608	97.652	98.965	88.858	92.577
18	6130	82.610	86.697	96.626	76.603	91.650	70.895	97.710	98.266	90.266	89.516
19	71 0	76.360	90.018	95.077	76.733	91.056	70.967	97.608	97.011	91.557	88.677
20	7130	73.120	83.615	95.756	72.006	96.022	73.865	98.191	97.236	91.557	96.568
21	81 0	78.966	75.866	95.586	85.670	86.909	70.369	97.789	96.602	96.976	91.772
22	8130	78.330	82.766	95.286	59.386	87.706	58.661	96.065	96.559	89.661	88.602
23	91 0	78.005	85.271	96.092	70.033	86.519	53.606	95.665	96.111	86.182	87.365
24	9130	77.789	82.370	96.565	77.631	90.792	66.562	97.296	95.036	91.916	76.108
25	101 0	78.950	87.063	96.213	72.257	89.856	69.903	96.852	96.667	87.227	86.813
26	10130	81.398	86.306	93.389	73.202	81.601	67.756	96.818	95.601	87.980	91.118
27	111 0	86.325	87.908	93.167	76.727	87.056	71.683	97.309	95.360	87.369	89.056
28	11130	82.665	87.216	93.786	66.325	90.206	60.651	97.520	96.617	86.881	88.697
29	121 0	81.369	86.062	93.956	77.265	89.806	76.019	97.276	96.697	89.256	89.600
30	12130	82.659	88.186	96.286	76.269	88.227	70.269	97.605	96.715	90.307	91.940
31	131 0	81.662	86.696	96.668	79.087	91.861	89.189	97.120	95.860	98.266	86.966
32	13130	78.665	85.865	96.591	76.706	86.903	72.092	97.208	96.978	89.557	91.696
33	141 0	81.607	86.696	96.678	76.038	90.266	71.685	97.558	96.271	90.330	91.071
34	14130	82.216	85.996	96.909	76.803	90.686	86.597	97.080	95.965	88.660	91.666
35	151 0	86.022	88.227	96.786	77.611	87.366	67.306	96.911	95.601	87.903	90.811
36	15130	87.657	88.956	96.678	85.190	89.500	76.673	96.898	95.510	88.160	91.276
37	161 0	89.266	90.077	96.666	86.537	91.166	76.368	97.276	95.577	89.966	88.966
38	16130	90.566	92.257	95.078	88.007	92.999	76.893	97.281	95.610	90.500	91.112
39	171 0	92.357	95.272	95.372	80.776	95.089	81.932	97.571	95.356	91.669	92.816
40	17130	92.990	93.609	96.298	82.967	95.710	85.906	97.617	95.300	92.602	92.966
41	181 0	95.760	96.396	96.381	93.960	96.561	87.262	97.506	95.066	96.102	91.911
42	18130	91.896	96.286	96.792	93.021	96.108	86.666	97.769	96.796	96.607	96.140
43	191 0	93.762	96.283	96.661	95.379	95.656	89.857	97.718	96.577	95.065	96.835
44	19130	93.719	96.152	97.577	35.019	95.656	90.586	97.609	96.706	96.822	95.637
45	23130	96.650	97.969	98.762	96.709	93.760	96.556	97.603	98.801	98.516	99.689

TITLE = CASE C DATE 86/10/22 TIME 141 51 7

CH. INDEX		250 V= 21	251 V= 22	252 V= 23	253 V= 24	254 V= 25	255 V= 26	256 V= 27	257 V= 76	258 V= 70	259 V= 71
INITIAL		0.052	0.056	0.058	0.065	0.067	0.062	0.057	0.061	0.057	-1.318
FINAL		0.062	0.051	0.053	0.055	0.057	0.060	0.062	0.062	0.056	-1.502
LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	01 0	0.998	0.967	0.998	1.115	1.156	1.060	0.996	1.067	0.986	
2	01 0	0.967	0.956	0.943	0.976	1.025	1.058	1.060	1.059	1.005	
3	01 0	0.968	1.027	1.636	1.011	0.992	0.986	0.976	0.977	1.006	
4	01 0	0.936	1.056	0.991	0.900	1.015	1.027	0.961	0.979	0.951	
5	01 0	0.906	0.957	0.986	1.161	1.110	1.099	1.108	1.213	1.713	
6	0130	1.075	1.600	1.137	1.070	0.912	0.736	0.771	0.755	0.678	
7	11 0	2.117	1.806	1.267	0.975	1.066	0.970	0.972	0.798	0.660	
8	1130	1.986	1.767	1.127	0.925	0.858	0.951	1.099	1.162	1.157	
9	21 0	1.889	1.570	1.168	0.783	1.069	1.166	1.056	1.161	1.008	
10	2130	1.789	1.880	1.168	0.686	0.701	0.998	1.000	1.156	1.106	
11	31 0	1.839	1.882	1.130	0.768	0.910	0.953	0.996	1.101	1.718	
12	3130	1.957	1.666	1.128	0.761	0.829	0.867	1.111	1.280	1.156	
13	41 0	1.913	1.566	0.886	0.758	0.861	1.010	1.106	1.169	0.978	
14	4130	1.871	1.811	0.951	0.667	0.826	0.972	1.119	1.207	1.167	
15	51 0	1.918	1.759	1.228	0.858	0.850	0.781	1.096	1.130	1.156	
16	5130	1.921	1.687	1.128	0.691	0.863	0.951	1.161	1.170	1.150	
17	61 0	1.824	1.553	1.019	0.728	0.772	0.688	0.785	1.067	1.150	
18	6130	1.765	1.519	0.991	0.635	0.688	0.765	0.956	1.078	0.977	
19	71 0	1.665	1.692	1.151	0.736	0.650	0.836	0.980	1.066	0.970	
20	7130	1.999	1.655	0.987	0.716	0.728	0.799	0.915	1.120	0.903	
21	81 0	1.909	1.825	1.612	0.807	0.766	0.970	0.955	1.116	1.150	
22	8130	1.969	1.626	0.981	0.666	0.865	0.832	0.961	1.080	0.900	
23	91 0	1.866	1.666	1.318	0.765	0.765	0.869	1.066	1.095	1.050	
24	9130	1.761	1.651	1.027	0.679	0.708	0.987	0.992	1.156	1.166	
25	101 0	1.786	1.314	0.981	0.686	0.695	0.733	0.929	1.111	1.186	
26	10130	1.769	1.762	1.602	0.693	0.675	0.869	1.015	1.175	1.061	
27	111 0	2.009	1.512	1.067	0.779	0.716	0.827	1.160	1.357	1.176	
28	11130	1.825	1.782	1.219	0.667	0.777	0.786	1.063	1.087	1.268	
29	121 0	1.866	1.656	1.225	0.890	0.726	0.656	1.022	1.357	1.665	
30	12130	1.737	1.605	0.910	0.596	0.712	0.858	1.082	1.305	1.157	
31	131 0	1.969	1.666	1.161	0.769	0.698	0.868	1.022	1.025	1.130	
32	13130	1.963	1.663	1.018	0.661	0.666	0.716	0.991	1.163	1.316	
33	141 0	1.875	1.701	1.218	0.802	0.708	0.757	1.022	1.261	1.107	
34	14130	1.849	1.737	1.262	0.998	0.609	0.681	1.096	1.128	0.997	
35	151 0	1.978	1.762	1.103	0.667	0.760	0.679	0.963	1.111	1.000	
36	15130	2.057	1.713	0.998	0.806	0.667	0.788	1.115	1.101	0.970	
37	161 0	1.796	1.669	1.162	0.906	0.756	0.769	1.063	1.166	1.111	
38	16130	1.860	1.631	1.006	0.659	0.776	0.777	1.070	1.297	1.300	
39	171 0	1.608	1.512	1.093	0.719	0.710	0.809	1.006	1.376	1.316	
40	17130	1.666	1.566	1.032	0.607	0.761	0.786	1.170	1.250	1.213	
41	181 0	1.376	1.460	1.058	0.687	0.705	0.981	1.093	1.328	1.553	
42	18130	1.562	1.328	0.898	0.686	0.808	0.773	1.051	1.295	1.350	
43	191 0	1.316	1.100	0.999	0.826	0.776	0.855	0.999	1.002	1.096	
44	19130	1.706	1.105	0.669	0.661	0.765	0.905	1.066	1.199	1.350	
45	23130	0.721	0.870	0.915	0.953	0.980	1.032	1.060	1.060	0.929	

TITLE * CASE C   DATE 86/10/22   TIME 141 51 7

CH. INDEX		260 V= 72	261 V= 73	262 V= 74	263 V=121	264 V=122	265 V=123	266 V=124
INITIAL		0.060	-0.786	0.848	0.035	0.054	0.057	0.048
FINAL		0.061	-0.836	0.045	0.035	0.053	0.056	0.046
LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	01 0	1.034		0.687	0.547	0.927	0.976	0.851
2	01 0	0.975		0.771	0.729	0.906	1.086	0.891
3	01 0	1.051		0.786	0.657	0.872	0.961	0.814
4	01 0	1.063		0.843	0.836	0.786	1.137	0.795
5	01 0	1.039		0.790	0.698	0.865	1.088	0.855
6	0130	1.010		0.826	0.675	0.963	1.068	0.862
7	11 0	1.027		0.757	0.662	1.064	1.169	0.898
8	1130	1.225		0.710	0.657	1.088	1.130	0.886
9	21 0	1.262		0.621	0.779	0.995	0.991	0.863
10	2130	1.266		0.636	0.717	0.976	1.020	0.808
11	41 0	1.196		0.678	1.289	1.166	0.966	0.742
12	4130	1.174		0.659	1.231	1.299	0.996	0.608
13	61 0	1.069		0.609	1.318	1.317	0.829	0.597
14	6130	1.015		0.578	1.265	1.326	1.036	0.610
15	51 0	1.053		0.731	1.157	1.199	1.029	0.635
16	5130	1.013		0.597	1.101	1.206	0.915	0.614
17	61 0	0.050		0.509	1.116	1.030	0.776	0.521
18	6130	2.070		0.699	1.061	0.072	0.888	0.519
19	71 0	1.010		0.697	1.147	1.070	0.943	0.568
20	7130	0.916		0.369	1.039	0.988	0.876	0.549
21	81 0	1.095		0.516	1.170	1.670	1.073	0.617
22	8130	0.952		0.490	1.116	0.979	0.849	0.595
23	91 0	1.027		0.597	1.098	1.013	0.956	0.821
24	9130	0.967		0.678	1.067	0.910	0.767	0.802
25	101 0	0.950		0.542	1.001	0.998	0.860	0.631
26	10130	0.980		0.571	1.007	0.999	0.979	0.600
27	111 0	0.965		0.530	1.154	1.025	1.017	0.806
28	11130	1.020		0.686	1.168	1.020	0.876	0.678
29	121 0	0.965		0.665	1.056	0.917	1.013	0.593
30	12130	0.905		0.546	1.060	0.926	0.901	0.580
31	131 0	0.987		0.740	1.041	0.972	0.956	0.611
32	13130	0.961		0.638	1.003	0.963	0.913	0.650
33	141 0	1.010		0.657	1.030	0.946	0.838	0.612
34	14130	0.806		0.513	1.075	0.886	0.803	0.600
35	151 0	1.021		0.621	1.022	0.931	0.930	0.595
36	15130	0.976		0.567	1.070	1.018	0.917	0.590
37	161 0	1.020		0.671	1.042	0.972	0.836	0.606
38	16130	1.010		0.623	1.140	0.891	1.025	0.686
39	171 0	2.987		0.565	1.090	0.967	0.808	0.676
40	17130	0.992		0.568	1.017	0.876	0.759	0.658
41	181 0	1.023		0.560	1.083	0.910	0.895	0.683
42	18130	0.851		0.549	1.301	0.800	0.946	0.683
43	191 0	0.863		0.667	0.877	0.750	0.779	0.656
44	19130	2.791		0.716	0.976	0.895	0.716	0.531
45	22130	0.409		0.779	0.949	0.917	0.916	0.788

実験No. 8

TITLE = CASE 13　(B)　DATE 86/10/21　TIME 17: 41:12

CH. INDEX		101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		18.600	19.100	18.900	18.800	18.700	18.700	18.700	18.700	18.800	19.000
FINAL		18.300	18.800	18.500	18.500	18.300	18.400	18.600	18.400	18.500	18.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	0.0	-0.100	-0.100	0.0	0.0	0.0	0.0	0.0	-0.100	-0.100
3	[illegible]	0.0	-0.200	-0.100	0.0	-0.100	0.0	0.0	0.0	-0.200	-0.100
4	[illegible]	0.0	-0.200	-0.200	-0.100	-0.100	0.0	0.100	0.100	0.0	-0.100
5	[illegible]	0.100	0.0	-0.100	0.0	-0.100	0.0	0.100	0.0	0.0	-0.100
6	[illegible]	1.100	5.100	4.100	3.100	2.400	1.900	1.400	1.200	0.400	2.400
7	[illegible]	2.400	7.400	5.700	3.400	2.800	2.300	1.800	1.400	0.800	4.000
8	[illegible]	2.700	8.100	5.400	4.000	1.200	2.400	2.200	1.500	0.800	7.200
9	[illegible]	3.600	7.800	4.900	3.400	2.500	2.300	1.500	1.000	0.600	7.800
10	[illegible]	4.900	9.300	7.400	5.100	3.300	3.600	2.300	1.800	1.000	9.000
11	[illegible]	4.600	14.400	8.200	6.200	4.200	4.400	4.100	2.100	1.200	8.300
12	[illegible]	5.200	9.300	7.400	6.000	5.500	4.500	3.300	2.500	1.700	9.800
13	[illegible]	6.030	10.900	4.300	7.100	4.100	4.900	4.100	2.100	1.000	10.200
14	[illegible]	6.000	9.800	7.400	6.300	4.400	3.000	2.200	1.800	1.100	10.100
15	[illegible]	6.900	10.100	7.800	6.000	4.400	3.800	2.800	2.900	1.300	10.800
16	[illegible]	6.900	11.300	8.000	6.100	4.800	3.500	2.300	2.100	1.200	11.100
17	[illegible]	7.200	11.700	8.300	5.200	4.300	3.800	2.900	2.700	2.000	11.300
18	[illegible]	7.100	12.300	8.300	6.200	4.300	3.500	3.000	2.500	1.800	11.200
19	[illegible]	7.800	11.800	7.800	5.400	3.800	3.200	2.700	2.200	1.400	12.300
20	[illegible]	7.300	11.930	8.400	6.700	4.400	4.000	2.200	1.800	1.100	12.300
21	[illegible]	7.800	12.800	10.200	7.300	5.720	4.700	3.300	2.800	2.200	12.000
22	[illegible]	7.903	13.300	9.200	5.400	3.800	2.400	1.800	1.400	1.100	12.800
23	[illegible]	7.930	12.800	9.000	7.203	5.400	3.900	2.400	2.400	1.400	13.300
24	[illegible]	7.900	14.800	8.200	6.300	3.200	2.400	1.900	1.400	1.800	12.500
25	[illegible]	8.600	12.500	8.300	7.700	4.600	3.400	2.400	1.800	1.500	13.000
26	[illegible]	8.600	12.700	9.400	6.800	4.300	4.000	3.200	2.400	1.900	12.100
27	[illegible]	8.700	12.500	9.100	6.600	4.800	3.100	2.700	2.700	1.900	13.000
28	[illegible]	9.100	11.800	8.000	6.300	4.100	3.500	2.800	2.100	1.300	13.000
29	[illegible]	9.300	13.000	10.100	6.730	7.000	5.800	3.800	3.400	2.400	12.700
30	[illegible]	9.903	14.100	11.300	8.200	8.000	5.800	3.700	2.700	1.800	13.400
31	[illegible]	9.600	14.700	11.000	7.400	4.900	3.800	2.900	2.500	1.700	12.000
32	[illegible]	9.800	15.703	12.400	8.630	4.400	5.400	4.200	3.100	1.900	14.100
33	[illegible]	9.500	14.800	11.800	8.700	4.400	4.400	5.200	2.700	1.500	14.300
34	[illegible]	9.700	15.100	9.400	7.800	4.200	5.000	4.903	3.200	1.900	14.400
35	[illegible]	9.800	14.300	10.400	8.300	7.300	6.400	4.700	3.400	2.900	13.300
36	[illegible]	9.003	14.900	10.600	7.400	5.100	4.900	2.700	2.700	1.900	14.200
37	[illegible]	10.200	15.100	10.403	7.530	5.700	4.000	4.000	2.400	1.800	15.500
38	[illegible]	10.203	13.830	10.300	7.000	5.400	4.300	3.400	5.300	2.300	15.500
39	[illegible]	9.430	13.100	7.500	8.400	1.630	3.000	2.700	2.400	2.000	13.100
40	[illegible]	8.900	10.800	8.900	7.000	5.200	3.400	2.200	1.800	1.100	11.300
41	[illegible]	8.403	8.700	8.400	5.000	3.400	2.300	1.400	1.200	0.500	10.000
42	[illegible]	8.003	9.300	7.900	8.100	4.400	4.000	3.700	2.800	1.500	8.200
43	[illegible]	7.200	7.100	8.200	9.400	5.000	4.000	3.100	2.700	1.700	7.200
44	[illegible]	8.900	6.800	5.800	6.900	3.700	3.200	2.100	1.800	1.800	6.400
45	[illegible]	-0.309	-0.300	-0.400	-0.400	-0.400	-0.300	-0.300	-0.300	-0.400	-0.400

TITLE = CASE 13　DATE 86/10/21　TIME 17: 41:12

CH. INDEX		111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		18.800	18.800	18.800	18.700	18.800	18.800	18.800	19.100	18.900	18.900
FINAL		18.500	18.400	18.500	18.400	18.500	18.400	18.400	18.800	18.400	18.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	[illegible]	0.0	-0.100	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	-0.100
4	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100
5	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	[illegible]	2.400	1.400	1.300	1.100	0.800	0.400	0.100	0.300	0.300	0.700
7	[illegible]	4.200	3.200	2.900	2.000	2.700	1.200	1.000	1.000	3.000	2.400
8	[illegible]	6.600	4.400	4.700	3.400	2.900	1.400	1.400	5.200	0.700	4.100
9	[illegible]	6.800	5.800	4.900	5.400	2.700	2.100	1.000	4.100	4.100	5.100
10	[illegible]	8.700	7.300	6.200	4.700	3.300	2.400	2.200	4.900	7.000	6.000
11	[illegible]	8.103	4.800	5.800	4.500	3.700	2.400	2.300	7.500	7.400	6.700
12	[illegible]	9.700	7.400	7.100	4.400	5.100	3.900	2.800	8.100	8.100	7.100
13	[illegible]	9.200	7.900	8.900	4.000	4.400	3.700	3.100	8.700	8.500	7.300
14	[illegible]	10.900	9.100	8.100	8.900	5.700	4.300	3.100	8.900	8.800	7.800
15	[illegible]	10.800	9.400	9.500	6.700	5.300	4.300	3.900	9.100	9.000	8.300
16	[illegible]	10.700	9.500	8.200	8.400	5.400	4.300	3.300	9.800	9.800	8.900
17	[illegible]	11.000	9.900	9.200	8.000	6.500	4.900	3.500	10.200	9.900	9.000
18	[illegible]	11.100	10.100	9.500	7.900	8.200	5.100	3.700	10.400	10.100	9.000
19	[illegible]	11.800	10.800	9.300	8.500	8.300	5.300	4.000	10.800	10.600	9.400
20	[illegible]	12.000	11.000	10.000	8.000	7.200	5.300	3.800	11.000	10.700	9.400
21	[illegible]	11.400	10.200	9.800	7.900	6.700	5.500	4.000	10.800	10.300	9.500
22	[illegible]	12.500	11.700	10.900	9.400	7.800	5.800	4.700	10.900	10.600	9.600
23	[illegible]	13.103	12.300	11.500	9.600	7.700	5.900	4.300	11.300	10.800	9.700
24	[illegible]	12.900	12.300	11.500	10.700	8.700	6.100	4.400	11.300	11.000	9.900
25	[illegible]	13.900	13.200	12.100	10.500	7.800	5.900	4.200	11.400	11.100	10.800
26	[illegible]	12.000	11.100	9.700	8.400	8.300	5.400	4.000	11.900	11.300	10.700
27	[illegible]	13.000	12.100	11.400	9.700	7.500	5.800	4.100	11.900	11.200	10.700
28	[illegible]	12.400	11.800	10.800	9.500	7.300	6.000	4.200	11.700	11.300	10.700
29	[illegible]	12.500	11.300	10.400	9.200	7.400	6.100	4.400	11.700	11.100	10.000
30	[illegible]	12.800	11.200	9.900	8.400	7.000	6.100	4.500	11.700	11.100	9.900
31	[illegible]	12.600	11.000	10.400	9.400	7.700	6.400	4.600	11.900	11.300	10.100
32	[illegible]	13.400	12.400	10.700	9.500	7.900	6.300	4.900	12.400	11.300	9.700
33	[illegible]	13.900	12.300	11.400	10.200	7.400	6.200	4.800	12.900	11.700	9.800
34	[illegible]	13.400	12.700	11.500	10.400	3.000	6.403	4.700	12.800	11.700	9.900
35	[illegible]	13.900	12.900	11.700	10.900	8.400	6.400	4.500	12.900	11.700	10.200
36	[illegible]	14.300	11.700	13.200	11.500	9.400	4.900	4.900	12.400	11.900	10.400
37	[illegible]	13.193	12.700	11.900	10.100	7.800	6.100	4.300	12.700	11.900	10.300
38	[illegible]	14.400	13.100	12.400	11.400	6.800	6.400	4.900	12.900	11.700	10.100
39	[illegible]	12.750	11.700	10.600	8.400	6.800	5.900	4.300	12.200	11.500	10.000
40	[illegible]	11.903	10.400	9.700	8.207	6.400	5.200	3.700	11.400	11.000	10.000
41	[illegible]	9.600	8.800	7.300	6.100	4.400	4.400	3.500	10.400	10.100	9.400
42	[illegible]	8.600	8.900	5.700	4.403	3.400	3.900	2.800	9.300	9.200	8.900
43	[illegible]	8.600	5.800	4.900	3.700	5.200	3.300	2.700	8.200	7.900	7.800
44	[illegible]	5.600	6.200	2.900	2.500	2.200	2.600	2.200	6.800	6.400	6.400
45	[illegible]	-0.300	-0.400	-0.300	-0.400	-0.300	-0.400	-0.400	-0.300	-0.300	-0.300

TITLE = CASE 13　DATE 86/10/21　TIME 17: 41:12

CH. INDEX		121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 38	126 T= 41	127 T= 42	128 T= 43	129 T= 44	130 T= 51
INITIAL		18.900	18.800	18.800	18.700	18.600	19.200	18.900	18.800	18.800	19.300
FINAL		18.500	18.500	18.400	18.400	18.400	19.000	18.600	18.400	19.400	19.200
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	-0.100	0.0	0.0	0.0	-0.100	0.100	0.100	0.0	0.0	0.0
3	[illegible]	-0.100	0.0	0.0	0.0	-0.100	0.100	0.0	-0.100	-0.100	0.0
4	[illegible]	-0.100	0.0	0.0	0.0	0.0	0.100	0.0	0.0	0.0	0.0
5	[illegible]	0.0	0.0	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.0
6	[illegible]	0.100	0.200	0.100	3.200	0.100	0.0	0.0	0.0	0.0	0.0
7	[illegible]	1.900	1.400	1.500	1.400	2.000	4.200	4.300	2.900	1.200	1.200
8	[illegible]	4.200	2.700	2.500	2.400	2.300	4.000	5.100	3.400	2.100	3.200
9	[illegible]	4.200	3.900	4.300	2.900	2.800	4.400	5.200	3.100	2.100	4.300
10	[illegible]	5.000	4.200	4.800	1.303	2.600	4.400	5.500	3.700	2.400	5.100
11	[illegible]	5.400	5.020	4.500	4.700	2.700	7.800	8.300	4.200	2.800	5.800
12	[illegible]	6.600	5.200	4.700	3.900	3.200	8.100	8.200	4.200	2.900	6.200
13	[illegible]	8.300	5.800	4.900	3.900	3.300	8.800	8.000	4.500	3.200	6.700
14	[illegible]	8.700	5.900	5.300	4.500	3.400	8.700	7.300	4.500	3.900	7.300
15	[illegible]	7.430	4.500	6.000	4.900	3.710	8.700	8.800	5.000	3.900	7.700
16	[illegible]	7.400	4.700	4.000	5.000	3.323	8.900	7.400	5.200	3.800	7.800
17	[illegible]	7.500	6.700	5.800	5.400	3.800	9.700	6.900	4.800	3.600	8.000
18	[illegible]	7.700	6.500	5.700	5.800	3.530	9.100	4.400	4.500	3.500	8.400
19	[illegible]	8.100	8.800	5.900	4.900	3.100	9.400	6.400	4.800	3.800	8.600
20	[illegible]	6.400	7.000	5.800	5.000	3.400	9.900	7.300	5.200	3.700	8.800
21	[illegible]	9.250	7.300	8.802	4.700	3.600	9.900	7.700	5.300	3.800	9.100
22	[illegible]	8.800	7.030	8.103	4.700	3.900	10.300	8.200	5.900	3.900	9.000
23	[illegible]	8.802	7.800	8.103	4.030	3.500	9.800	7.100	4.400	3.700	9.100
24	[illegible]	8.800	7.900	8.100	4.700	3.503	10.900	8.100	5.405	4.000	9.400
25	[illegible]	8.803	6.900	8.900	4.400	3.903	10.700	7.900	9.303	3.800	9.500
26	[illegible]	8.700	7.103	8.000	4.800	3.906	10.900	8.200	5.400	3.800	10.200
27	[illegible]	8.900	7.230	8.100	4.800	3.700	10.500	7.500	4.500	4.000	9.700
28	[illegible]	8.001	7.100	6.800	4.000	3.730	10.700	8.500	5.400	3.900	10.100
29	[illegible]	8.801	7.100	5.900	4.700	3.530	10.200	8.800	5.000	3.800	9.700
30	[illegible]	8.900	7.900	5.900	4.700	5.300	10.700	9.100	6.250	4.400	9.300
31	[illegible]	8.530	7.800	8.800	4.800	3.800	10.900	8.600	4.400	4.800	9.700
32	[illegible]	8.800	6.700	9.730	4.500	3.900	11.400	7.400	4.700	4.400	9.900
33	[illegible]	8.103	6.700	9.700	4.409	3.100	11.900	8.800	4.400	4.800	10.300
34	[illegible]	8.200	6.800	5.400	4.500	3.800	11.700	9.400	4.470	4.700	10.700
35	[illegible]	8.500	6.700	5.830	4.700	3.700	11.300	9.800	4.400	4.800	11.000
36	[illegible]	8.900	6.800	5.900	4.800	3.800	11.400	9.000	4.000	4.500	10.400
37	[illegible]	8.800	6.700	5.300	4.400	3.730	11.500	8.100	5.300	4.300	10.700
38	[illegible]	8.200	6.300	5.400	4.200	3.300	11.800	9.400	5.800	4.300	10.800
39	[illegible]	8.100	6.470	5.400	4.400	3.803	11.190	9.000	4.200	4.300	10.400
40	[illegible]	8.403	6.700	5.300	4.300	3.800	10.100	7.400	5.400	4.200	10.700
41	[illegible]	4.300	6.900	5.900	5.000	4.500	8.300	7.200	5.100	4.000	9.100
42	[illegible]	7.400	6.700	5.300	5.000	3.400	8.400	6.700	5.100	3.950	8.100
43	[illegible]	7.400	5.900	5.200	4.200	2.900	7.800	6.100	4.400	3.500	7.100
44	[illegible]	6.201	5.402	4.900	3.520	2.207	5.900	5.100	4.100	3.200	6.300
45	[illegible]	-0.400	-0.300	-0.520	-0.400	-0.420	-0.200	-0.300	-0.400	-0.400	-0.100

TITLE = CASE 13　DATE 86/10/21　TIME 17: 41:12

CH. INDEX		131 T= 52	132 T= 53	133 T= 54	134 T= 55	135 T= 61	136 T= 62	137 T= 63	138 T= 64	139 T= 71	140 T= 72
INITIAL		19.200	18.900	18.900	18.900	19.300	19.100	18.900	18.800	19.300	19.300
FINAL		19.000	18.600	18.500	18.600	19.300	18.900	18.700	18.500	19.300	19.000
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	-0.100	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	-0.200
3	[illegible]	-0.100	-0.100	0.0	0.0	0.0	-0.100	0.0	0.0	-0.100	-0.200
4	[illegible]	-0.100	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100
5	[illegible]	-0.100	-0.100	0.0	0.0	0.0	-0.100	0.0	0.0	0.0	-0.100
6	[illegible]	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100
7	[illegible]	1.200	2.100	1.200	0.600	1.100	1.200	0.800	0.300	0.0	0.0
8	[illegible]	2.400	3.100	2.100	1.500	3.500	3.100	2.100	1.400	2.900	2.700
9	[illegible]	1.900	4.500	2.400	1.900	4.700	4.500	3.100	2.200	3.800	4.100
10	[illegible]	4.400	3.700	2.400	1.900	5.100	4.900	3.400	2.900	4.400	4.900
11	[illegible]	5.300	4.400	3.000	2.100	5.700	4.200	4.000	2.000	5.000	5.200
12	[illegible]	5.401	4.200	3.200	2.200	6.100	5.600	4.400	5.100	5.800	5.600
13	[illegible]	6.200	5.400	4.700	2.400	6.700	4.000	4.400	3.400	6.100	6.100
14	[illegible]	6.400	5.800	4.500	3.200	6.800	6.300	4.900	3.800	6.100	6.000
15	[illegible]	6.903	5.700	4.600	3.000	7.100	6.700	5.300	4.100	6.600	6.300
16	[illegible]	7.300	5.903	4.300	2.400	7.200	7.500	4.200	4.400	6.700	6.800
17	[illegible]	7.830	6.700	4.300	3.100	8.100	7.200	5.800	4.500	7.000	6.900
18	[illegible]	7.200	7.300	4.400	3.200	8.100	7.800	6.100	4.700	7.400	7.000
19	[illegible]	8.300	7.100	5.400	3.700	8.600	7.900	6.000	4.800	7.200	6.700
20	[illegible]	8.700	7.200	5.200	3.900	9.000	8.000	6.500	4.900	7.000	7.300
21	[illegible]	8.003	7.400	5.700	3.700	9.130	7.900	6.000	5.100	7.900	7.500
22	[illegible]	8.802	7.400	5.100	3.405	8.400	7.800	6.030	4.400	7.700	7.600
23	[illegible]	9.123	8.400	6.100	4.000	9.030	8.200	6.700	5.000	7.900	7.800
24	[illegible]	8.802	8.900	6.500	3.400	7.900	8.100	6.200	4.600	8.000	7.700
25	[illegible]	5.400	7.900	5.400	3.400	9.100	8.400	6.700	5.000	8.300	8.000
26	[illegible]	10.000	9.100	8.400	4.000	9.030	8.300	6.700	4.800	8.300	8.000
27	[illegible]	6.703	8.100	5.400	3.500	5.701	6.300	6.500	4.500	8.500	8.200
28	[illegible]	10.003	8.400	5.500	3.800	9.300	8.960	6.400	4.700	8.700	7.900
29	[illegible]	8.800	7.700	8.200	4.100	9.500	8.400	6.400	5.000	8.300	7.900
30	[illegible]	9.903	7.900	8.100	4.230	9.903	8.200	6.600	6.400	7.800	7.700
31	[illegible]	9.700	8.900	6.600	4.500	9.300	8.000	6.100	6.500	9.400	7.800
32	[illegible]	10.100	8.400	6.100	3.900	9.500	8.700	6.400	6.000	8.400	8.100
33	[illegible]	10.400	9.300	6.700	4.300	10.405	8.800	6.300	6.300	8.500	8.300
34	[illegible]	10.800	8.800	6.400	4.403	10.800	8.700	6.200	6.300	9.100	8.700
35	[illegible]	10.730	9.105	6.500	5.730	10.800	6.900	6.500	6.700	9.100	4.900
36	[illegible]	10.800	9.100	6.400	5.400	9.700	8.800	6.400	6.800	9.000	8.900
37	[illegible]	10.700	9.900	6.830	5.900	9.900	8.900	6.400	6.800	8.800	8.900
38	[illegible]	10.800	9.700	6.400	5.179	10.300	7.700	5.800	6.400	8.800	8.300
39	[illegible]	10.500	9.003	6.403	4.930	9.800	8.400	6.400	6.800	8.900	8.700
40	[illegible]	11.100	8.703	6.000	3.700	9.900	8.300	6.700	6.803	8.800	8.900
41	[illegible]	9.430	7.200	5.400	5.200	8.800	8.100	6.700	5.000	7.900	8.000
42	[illegible]	8.102	5.700	6.100	5.003	7.800	7.900	6.200	6.700	7.400	7.100
43	[illegible]	7.033	5.000	3.900	2.700	6.400	6.200	6.700	5.400	6.600	6.900
44	[illegible]	6.200	4.100	3.200	2.200	5.705	5.200	4.000	3.700	5.900	5.700
45	[illegible]	-0.200	-0.300	-0.100	-0.400	0.0	-0.200	-0.200	-0.300	-0.200	-0.300

TITLE = CASE 13 DATE 86/10/21 TIME 17:41:12

CH. INDEX		141 T= 73	142 T= 74	143 T= 75	144 T= 81	145 T= 82	146 T= 83	147 T= 84	148 T= 91	149 T= 92	150 T= 93
INITIAL		19.100	19.000	19.100	19.400	19.400	19.100	19.100	19.400	19.500	19.200
FINAL		18.900	18.600	18.700	19.400	19.200	18.700	18.700	19.400	19.200	18.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	-0.100	-0.100	-0.100	0.0	-0.100	0.0	-0.100	-0.100	-0.100	0.0
3	[illegible]	0.100	0.0	-0.100	0.0	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
4	[illegible]	0.0	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.200	-0.100
5	[illegible]	3.100	0.0	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.200	-0.100
6	[illegible]	0.100	0.0	-0.100	0.0	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
7	[illegible]	0.0	0.0	-0.100	0.0	-0.100	-0.100	-0.100	-0.100	-0.100	0.0
8	[illegible]	2.400	1.400	1.400	1.400	1.700	1.200	0.400	0.500	0.900	0.800
9	[illegible]	3.900	2.300	1.400	3.300	3.000	2.400	1.400	1.400	1.800	2.700
10	[illegible]	4.300	2.900	2.400	4.400	4.700	3.100	2.700	2.400	3.400	3.800
11	[illegible]	4.900	3.450	2.100	4.400	3.700	4.200	2.100	3.700	3.900	3.200
12	[illegible]	4.200	3.400	2.400	5.100	4.400	3.900	2.900	4.700	4.900	3.400
13	[illegible]	4.000	3.900	2.900	5.200	4.900	3.900	2.400	4.100	4.500	3.400
14	[illegible]	4.400	3.400	2.700	5.400	4.400	4.400	2.400	4.400	4.900	4.100
15	[illegible]	5.400	4.100	3.100	5.400	5.400	4.400	3.400	4.400	5.100	4.400
16	[illegible]	4.100	4.400	2.400	4.100	5.300	4.300	3.200	4.900	5.700	4.700
17	[illegible]	4.400	4.700	2.400	4.200	5.400	4.400	3.100	4.100	5.700	4.900
18	[illegible]	5.200	4.000	2.400	4.300	5.400	4.500	3.200	5.500	4.100	5.100
19	[illegible]	5.100	4.100	2.400	4.500	5.400	4.400	3.100	5.000	4.400	5.700
20	[illegible]	4.300	4.400	3.200	4.700	5.400	4.400	3.400	5.400	4.700	5.100
21	[illegible]	4.400	4.400	2.400	4.700	4.200	4.400	3.400	4.100	4.700	5.900
22	[illegible]	4.100	4.500	3.000	7.400	4.500	5.200	3.400	4.400	7.100	4.300
23	[illegible]	4.100	4.430	3.000	4.900	4.340	4.400	3.400	4.700	4.800	5.700
24	[illegible]	4.100	4.500	2.400	7.200	4.400	5.300	3.500	4.400	7.200	4.300
25	[illegible]	4.200	4.300	2.400	7.500	4.400	5.400	3.400	4.700	7.500	4.700
26	[illegible]	4.200	4.500	2.500	7.400	4.400	5.300	3.400	4.700	7.400	4.400
27	[illegible]	4.500	4.400	2.400	7.400	7.000	5.700	4.100	7.100	7.700	4.500
28	[illegible]	4.500	4.500	2.400	7.200	4.400	5.300	3.700	4.400	7.200	4.500
29	[illegible]	5.400	4.500	2.400	7.400	4.400	5.500	3.400	4.400	7.500	4.400
30	[illegible]	5.400	4.300	2.700	7.400	4.700	5.300	3.700	4.700	7.300	4.400
31	[illegible]	4.400	4.400	3.400	7.400	4.700	5.400	3.400	4.500	7.100	4.900
32	[illegible]	4.200	4.700	3.500	7.500	7.100	5.400	4.200	4.400	7.400	4.700
33	[illegible]	4.200	4.500	2.400	7.400	4.400	3.400	3.500	4.900	7.400	4.800
34	[illegible]	4.400	4.700	4.500	4.700	7.400	4.200	4.200	7.100	7.400	4.400
35	[illegible]	7.100	4.400	3.400	4.400	7.400	4.700	4.100	7.400	4.100	4.400
36	[illegible]	7.200	5.100	3.400	4.400	7.700	4.900	4.400	7.700	4.000	4.900
37	[illegible]	4.400	4.400	3.500	4.400	7.400	5.700	4.700	7.400	7.400	4.400
38	[illegible]	4.300	4.400	3.200	7.400	7.500	4.000	4.100	7.500	4.200	7.000
39	[illegible]	4.500	4.400	3.300	4.300	7.400	4.000	4.300	7.500	4.100	4.700
40	[illegible]	4.400	4.500	2.400	7.400	7.400	4.200	4.200	7.400	7.400	7.000
41	[illegible]	4.900	4.900	3.400	7.700	4.400	5.400	5.400	7.300	7.700	4.400
42	[illegible]	4.200	4.400	3.100	4.400	4.200	4.700	3.500	4.900	7.100	4.700
43	[illegible]	5.700	4.500	2.400	4.200	3.400	4.100	5.000	4.100	4.100	5.400
44	[illegible]	4.900	4.000	2.700	5.300	4.500	4.000	5.000	5.400	5.200	4.400
45	[illegible]	-3.700	-0.400	-0.400	-0.700	-0.200	-0.400	-0.400	-0.200	-0.100	-0.300

TITLE = CASE 13 DATE 86/10/21 TIME 17:41:12

CH. INDEX		151 T= 96	152 T= 99	153 T=101	154 T=102	155 T=103	156 T=104	157 T=111	158 T=112	159 T=113	160 T=114
INITIAL		19.100	19.100	19.400	19.300	19.100	19.100	19.400	19.300	19.100	19.000
FINAL		18.900	18.900	19.400	19.100	18.800	18.800	19.400	19.200	18.900	19.000
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	0.0	0.0	-0.100	-0.100	-0.100	0.0	0.0	0.0	0.0	0.0
3	[illegible]	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	0.0	-0.100	0.0	0.0
4	[illegible]	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	0.0	0.0	0.0	0.0
5	[illegible]	0.0	-0.100	-0.100	-0.100	-0.100	-0.100	0.0	-0.100	0.0	0.0
6	[illegible]	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	0.0	0.0	0.0	0.0
7	[illegible]	0.0	0.0	-0.100	0.0	-0.100	0.0	0.0	0.0	0.0	0.0
8	[illegible]	0.400	0.100	0.100	0.200	0.100	0.0	0.0	0.0	-0.100	0.0
9	[illegible]	2.000	1.100	2.000	2.400	1.400	0.900	1.200	0.800	1.100	0.800
10	[illegible]	2.400	1.400	2.400	2.700	2.400	1.400	2.400	2.000	2.200	1.800
11	[illegible]	2.400	1.900	3.900	4.400	2.830	2.000	3.300	2.700	4.000	2.500
12	[illegible]	2.700	2.000	4.400	3.700	2.400	2.205	4.400	3.100	4.000	2.400
13	[illegible]	2.400	2.400	4.201	4.120	3.400	2.500	4.000	3.700	3.700	3.000
14	[illegible]	4.100	2.400	4.400	4.250	4.430	2.700	4.200	3.900	3.900	4.200
15	[illegible]	4.400	2.700	4.400	4.400	3.400	2.900	4.300	4.100	4.000	3.200
16	[illegible]	4.700	2.700	5.400	4.400	4.100	3.000	4.500	4.900	4.400	3.500
17	[illegible]	4.400	2.700	5.100	4.300	4.500	3.300	4.100	4.400	4.900	3.400
18	[illegible]	4.100	2.700	5.500	5.400	4.400	3.000	4.700	5.000	4.700	3.900
19	[illegible]	4.400	3.010	4.500	5.700	4.200	3.900	5.700	5.100	4.700	3.400
20	[illegible]	4.400	3.000	5.700	5.000	4.900	3.400	5.500	5.200	4.400	3.400
21	[illegible]	4.400	3.100	4.100	4.000	5.100	3.000	5.400	5.300	4.700	3.900
22	[illegible]	5.000	3.400	4.500	4.300	5.100	3.900	5.400	5.900	5.000	4.000
23	[illegible]	4.700	3.100	5.400	4.200	5.200	3.900	5.400	5.700	5.300	4.300
24	[illegible]	5.000	3.300	4.100	4.070	5.100	3.900	5.400	5.700	4.900	4.100
25	[illegible]	5.200	3.400	4.500	4.400	5.500	3.900	4.000	5.400	5.100	4.100
26	[illegible]	5.200	3.400	4.500	4.430	5.130	3.900	4.100	4.100	5.900	4.300
27	[illegible]	4.400	3.300	4.400	4.400	5.130	3.700	4.000	4.100	5.300	4.200
28	[illegible]	4.200	3.300	4.400	4.400	5.200	3.800	4.100	4.200	5.400	4.400
29	[illegible]	4.400	3.200	4.500	4.400	5.300	3.400	4.000	4.100	5.400	4.300
30	[illegible]	5.400	3.500	4.400	4.400	5.400	3.400	4.000	4.200	5.400	4.400
31	[illegible]	5.100	3.400	4.400	4.400	4.300	3.800	4.100	4.100	4.500	4.200
32	[illegible]	5.100	3.500	4.500	4.400	4.200	4.000	4.200	4.200	4.400	4.300
33	[illegible]	5.200	3.500	4.970	4.400	5.200	4.100	4.500	4.300	5.400	4.400
34	[illegible]	5.300	3.500	4.400	4.700	5.300	3.900	5.000	4.200	5.400	4.400
35	[illegible]	5.400	3.400	7.100	4.900	5.200	4.000	4.500	4.400	5.900	4.700
36	[illegible]	4.900	3.400	7.300	7.050	5.400	4.100	4.400	4.400	4.100	4.400
37	[illegible]	4.100	4.500	7.000	7.100	5.500	4.200	4.700	4.700	4.400	3.700
38	[illegible]	5.500	3.700	7.100	7.000	5.500	4.200	4.400	4.700	4.000	4.700
39	[illegible]	4.400	3.700	7.400	4.700	5.000	3.400	4.400	4.700	4.900	4.700
40	[illegible]	5.400	3.400	7.100	4.900	5.700	3.900	4.400	4.700	4.200	5.000
41	[illegible]	5.400	3.400	7.100	4.400	4.300	4.400	4.400	4.700	4.000	4.900
42	[illegible]	4.000	3.500	4.000	4.500	4.100	3.900	4.500	4.900	5.400	4.400
43	[illegible]	4.100	2.900	4.000	4.700	5.100	3.900	5.400	4.100	5.300	4.500
44	[illegible]	5.500	2.800	5.200	5.100	4.200	3.100	5.200	5.400	5.000	4.000
45	[illegible]	-0.320	-0.300	-0.100	-0.200	-0.400	-0.300	0.0	-0.100	-0.200	-0.200

TITLE = CASE 13 DATE 86/10/21 TIME 17:41:12

CH. INDEX		161 T=115	162 T=121	163 T=122	164 T=123	165 T=124	166 T=131	167 T=132	168 T=133	169 T=134	170 T=135
INITIAL		19.100	19.400	19.400	19.100	19.400	19.400	19.400	19.200	19.000	19.000
FINAL		18.800	19.400	19.200	19.400	18.400	19.400	19.100	19.000	18.900	18.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	-0.100	-0.100	-0.100	-0.100	0.0	0.0	-0.100	-0.100	-0.100	-0.100
3	[illegible]	-0.100	0.0	-0.100	-0.100	0.0	0.0	-0.100	-0.100	-0.100	-0.100
4	[illegible]	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
5	[illegible]	-0.100	-0.100	-0.100	-0.100	0.0	-0.100	-0.100	-0.100	-0.100	-0.100
6	[illegible]	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
7	[illegible]	-0.100	-0.100	-0.100	-0.100	-0.100	0.0	-0.100	-0.100	-0.100	-0.100
8	[illegible]	-0.100	0.0	0.0	0.0	0.0	-0.100	-0.100	-0.100	-0.100	-0.100
9	[illegible]	0.200	0.0	0.200	0.200	0.100	-0.100	-0.100	-0.100	-0.100	-0.100
10	[illegible]	1.400	1.100	1.400	1.400	1.100	1.000	1.100	1.200	1.000	0.400
11	[illegible]	1.400	1.900	2.400	2.100	1.400	2.000	2.100	2.200	1.800	1.100
12	[illegible]	1.700	2.400	3.100	2.700	2.200	2.700	2.400	2.400	2.200	1.400
13	[illegible]	2.100	2.900	1.500	2.900	2.400	2.400	3.000	2.400	2.400	1.700
14	[illegible]	2.100	3.100	3.400	3.000	2.430	3.100	3.100	3.100	2.700	1.800
15	[illegible]	2.200	3.100	3.400	3.200	2.700	3.400	3.403	3.300	2.700	1.900
16	[illegible]	2.400	3.400	4.200	3.500	2.400	3.900	3.800	3.500	2.900	2.100
17	[illegible]	2.700	3.400	4.500	3.700	2.900	3.900	4.000	3.900	3.300	2.300
18	[illegible]	2.700	4.200	4.400	3.400	2.900	4.700	4.300	3.900	3.300	2.500
19	[illegible]	2.900	4.400	4.700	4.400	3.100	4.300	4.500	4.500	3.700	2.700
20	[illegible]	2.400	4.300	4.400	4.130	3.200	4.400	4.400	4.100	3.400	2.700
21	[illegible]	2.400	4.400	4.900	4.300	3.400	4.400	4.400	4.200	3.700	2.700
22	[illegible]	2.400	4.400	5.200	4.500	3.700	4.300	4.900	4.900	3.800	2.900
23	[illegible]	2.700	4.700	5.900	4.400	3.900	4.700	4.900	4.400	4.000	3.000
24	[illegible]	2.400	4.900	5.100	4.500	3.400	4.400	5.100	4.700	4.100	3.050
25	[illegible]	2.700	4.700	5.400	4.700	3.700	4.700	4.400	4.400	4.000	3.000
26	[illegible]	2.400	4.900	5.400	4.400	4.030	5.000	5.100	4.400	4.000	2.900
27	[illegible]	2.700	5.100	5.700	4.400	4.000	5.300	5.500	4.700	3.900	2.800
28	[illegible]	3.400	5.100	5.700	4.400	3.400	5.100	5.200	4.400	3.900	2.800
29	[illegible]	2.900	5.200	5.400	4.400	3.700	5.100	5.500	5.000	4.200	2.900
30	[illegible]	2.400	5.100	5.400	5.000	3.700	5.100	5.200	4.900	4.100	3.000
31	[illegible]	2.900	5.100	5.900	5.103	3.400	5.100	5.300	4.400	4.000	3.000
32	[illegible]	2.400	5.100	5.900	5.400	4.000	5.300	5.100	4.900	4.100	3.100
33	[illegible]	3.100	5.200	5.700	4.400	4.000	5.300	5.200	4.900	4.300	3.100
34	[illegible]	2.400	5.300	5.900	5.200	4.400	5.400	5.400	5.100	4.400	3.300
35	[illegible]	3.200	5.200	4.400	5.100	4.100	5.100	5.300	5.000	4.100	3.000
36	[illegible]	3.200	5.500	4.200	5.200	4.100	5.100	5.400	5.200	4.200	3.000
37	[illegible]	3.400	5.730	4.300	5.200	4.100	5.400	5.700	5.300	4.200	3.100
38	[illegible]	3.400	5.030	4.300	5.300	4.200	5.400	5.400	5.400	4.400	3.300
39	[illegible]	3.200	3.800	4.100	5.400	4.500	5.400	5.400	5.300	4.500	3.100
40	[illegible]	3.100	3.400	4.000	5.100	4.000	5.700	5.700	5.100	4.300	3.200
41	[illegible]	3.100	5.700	4.100	5.100	4.000	5.400	5.700	5.400	4.200	3.100
42	[illegible]	3.400	5.700	4.100	5.200	4.200	5.400	5.700	5.000	4.100	2.900
43	[illegible]	2.900	5.400	3.900	5.100	4.100	5.200	5.400	4.900	4.000	2.900
44	[illegible]	2.400	5.000	3.400	4.700	3.700	5.000	5.200	4.400	4.200	3.000
45	[illegible]	-0.300	0.0	-0.100	-0.100	-0.200	0.0	-0.100	-0.200	-0.100	-0.100

TITLE = CASE 13 DATE 86/10/21 TIME 17:41:12

CH. INDEX		201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31	208 S= 32	209 S= 33	210 S= 34
INITIAL		0.158	0.159	0.160	0.155	0.168	0.163	0.155	0.151	0.157	0.156
FINAL		0.158	0.159	0.160	0.153	0.167	0.165	0.154	0.149	0.156	0.156
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	[illegible]	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	[illegible]	100.000	100.196	100.297	100.276	100.226	100.031	100.039	100.100	100.079	100.019
3	[illegible]	100.000	100.000	99.851	99.999	99.959	99.969	100.000	100.013	99.960	100.013
4	[illegible]	100.047	100.000	99.919	100.000	99.976	99.974	99.976	99.999	99.873	100.000
5	[illegible]	100.057	100.291	100.262	100.620	100.112	100.057	100.084	100.027	100.051	100.032
6	[illegible]	97.990	99.510	99.119	99.205	99.218	99.473	99.438	99.031	99.555	99.055
7	[illegible]	96.000	96.551	99.698	96.406	97.449	98.030	91.360	93.961	99.607	98.724
8	[illegible]	91.196	95.917	94.708	97.459	98.606	98.658	79.049	85.857	93.515	97.613
9	[illegible]	95.078	98.418	92.806	96.705	98.948	99.038	93.782	96.906	96.765	98.505
10	[illegible]	93.791	95.462	91.096	96.957	97.246	97.669	88.113	96.308	97.108	98.828
11	[illegible]	96.618	98.670	93.760	96.789	97.400	99.712	91.852	96.166	96.988	98.572
12	[illegible]	96.145	98.771	99.958	99.718	96.956	97.920	97.149	96.969	97.061	99.103
13	[illegible]	97.156	98.926	97.180	99.709	99.941	99.510	96.938	96.907	97.579	99.027
14	[illegible]	96.696	98.205	97.441	90.198	99.818	99.222	96.610	98.746	99.135	98.308
15	[illegible]	92.798	95.160	90.735	96.676	96.408	90.004	96.760	98.697	97.080	98.430
16	[illegible]	93.619	95.025	93.103	96.298	97.751	99.718	83.798	91.356	97.965	98.587
17	[illegible]	96.175	97.077	96.531	97.190	96.176	99.139	96.673	99.167	97.137	98.590
18	[illegible]	96.651	97.597	99.916	99.617	99.570	97.053	93.887	97.637	97.615	98.704
19	[illegible]	96.942	97.676	95.635	97.655	97.665	96.805	96.575	96.986	97.090	97.360
20	[illegible]	96.492	97.535	96.702	97.900	97.076	99.360	95.078	97.599	98.300	98.758
21	[illegible]	93.226	97.405	96.678	98.409	98.841	97.002	96.049	99.436	98.918	99.100
22	[illegible]	94.561	96.921	96.908	97.590	97.936	99.716	96.875	98.169	97.794	98.918
23	[illegible]	99.657	92.708	96.776	97.779	95.955	95.578	97.969	98.565	98.969	97.880
24	[illegible]	97.957	96.675	96.891	99.297	99.561	97.652	99.618	95.771	93.570	98.051
25	[illegible]	96.151	98.657	99.102	97.132	97.557	96.950	97.308	97.751	96.879	98.489
26	[illegible]	97.272	96.985	95.368	98.275	97.995	99.150	97.553	98.879	96.799	98.681
27	[illegible]	97.549	96.535	96.979	97.806	97.751	98.978	96.759	97.015	96.907	98.300
28	[illegible]	97.177	97.065	95.677	98.230	96.065	99.016	96.016	97.604	96.971	98.612
29	[illegible]	96.909	96.640	99.377	90.760	97.088	98.322	95.926	97.751	97.270	98.015
30	[illegible]	99.164	97.917	97.820	99.115	98.717	99.657	100.369	100.911	99.376	99.103
31	[illegible]	100.311	98.769	79.666	99.290	99.926	99.646	102.200	101.972	99.917	99.086
32	[illegible]	100.285	98.961	94.687	97.339	99.810	99.547	102.456	101.085	100.038	99.212
33	[illegible]	100.600	97.958	99.999	99.340	99.606	99.571	102.615	101.791	100.100	99.180
34	[illegible]	100.206	98.907	98.990	99.240	98.967	97.535	102.670	101.771	100.099	99.161
35	[illegible]	100.178	98.108	98.601	99.116	98.807	99.967	102.679	101.665	99.968	98.926
36	[illegible]	100.131	98.056	98.588	99.175	98.847	99.667	102.758	101.806	100.013	98.963
37	[illegible]	101.166	97.892	97.790	99.593	98.584	99.307	102.660	101.771	99.798	98.877
38	[illegible]	99.975	97.782	98.101	98.666	98.942	99.365	102.763	101.868	99.805	98.963
39	[illegible]	99.957	97.636	97.707	98.858	99.970	99.261	102.499	101.370	99.735	98.879
40	[illegible]	99.945	97.568	97.870	98.965	99.475	99.767	102.836	101.796	99.765	98.703
41	[illegible]	99.063	97.272	97.166	98.762	98.977	99.106	102.667	100.935	99.561	98.769
42	[illegible]	99.761	97.761	97.678	99.657	98.206	99.069	102.712	101.608	99.573	98.669
43	[illegible]	99.877	97.600	98.652	98.500	98.370	99.105	102.957	101.580	99.786	98.798
44	[illegible]	99.870	97.461	97.636	98.684	98.294	99.081	102.800	100.915	99.555	98.765
45	[illegible]	100.190	99.436	100.166	99.156	99.409	99.737	99.270	98.527	99.389	99.718

TITLE = CASE 13 DATE 86/10/21 TIME 17:41:12

CH. INDEX		211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 51	217 S= 52	218 S= 53	219 S= 54	220 S= 55
INITIAL		0.160	0.156	0.150	0.162	0.165	0.162	0.169	0.150	0.153	0.158
FINAL		0.161	0.156	0.169	0.161	0.166	0.160	0.167	0.168	0.153	0.159
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 3	100.006	100.013	100.020	100.000	100.041	100.056	100.056	100.020	99.860	99.857
3	0: 6	100.056	100.071	100.027	100.012	100.010	100.061	100.067	100.040	99.980	100.165
4	0: 9	99.888	100.032	100.027	100.019	99.846	100.000	100.087	100.070	99.400	99.670
5	0:15	100.056	100.065	100.007	100.012	100.075	100.400	100.087	100.027	99.900	100.120
6	0:30	99.807	103.952	100.007	100.086	99.620	99.858	99.985	99.887	99.766	99.661
7	1: 0	98.693	99.679	97.083	97.700	99.075	97.856	97.806	98.638	98.838	99.588
8	1:30	97.749	95.679	91.677	95.280	99.081	89.696	91.695	97.119	96.860	97.586
9	2: 0	97.718	91.156	95.520	97.666	98.246	91.775	94.117	96.667	95.765	97.760
10	2:30	97.695	96.503	97.157	98.313	92.212	95.778	96.757	97.663	97.977	98.522
11	3: 0	98.928	93.060	95.002	97.697	96.667	92.755	96.866	98.680	97.836	98.800
12	3:30	99.639	98.600	97.910	98.680	98.628	95.661	96.866	97.576	97.758	99.080
13	4: 0	99.099	93.661	98.896	97.696	98.638	95.320	99.758	97.662	98.590	99.250
14	4:30	99.626	96.500	90.079	90.156	96.579	96.665	97.267	97.809	98.995	98.662
15	5: 0	96.273	97.669	98.665	99.252	96.159	97.160	97.710	98.677	98.565	99.179
16	5:30	97.626	91.559	93.586	96.551	95.986	93.756	96.513	95.955	97.627	98.678
17	6: 0	96.865	95.770	96.856	97.730	90.071	96.967	99.617	96.661	98.092	97.717
18	6:30	96.697	96.587	98.351	96.381	98.077	96.977	97.120	97.606	98.282	98.617
19	7: 0	99.358	96.135	98.605	99.120	99.965	97.266	98.031	99.763	98.176	98.751
20	7:30	99.516	99.265	98.592	99.009	98.910	98.111	97.375	98.801	98.551	98.757
21	8: 0	96.678	97.213	96.318	98.908	90.775	98.851	98.395	98.801	98.323	98.616
22	8:30	96.667	96.472	98.186	96.152	96.651	99.182	98.501	98.123	97.695	97.857
23	9: 0	97.676	95.020	98.496	99.120	96.699	99.197	98.536	97.856	96.879	97.569
24	9:30	97.662	92.529	95.561	95.565	96.969	93.988	99.001	95.775	96.608	95.280
25	10: 0	96.676	96.076	96.235	97.166	97.650	98.610	97.698	97.576	97.176	97.356
26	10:30	96.372	96.695	97.686	98.128	96.102	98.675	97.528	97.529	97.806	97.565
27	11: 0	98.291	96.990	97.697	98.251	97.771	98.689	97.628	97.689	97.725	97.776
28	11:30	98.229	96.659	97.678	98.326	96.071	99.027	97.605	97.567	97.865	97.319
29	12: 0	98.316	96.966	98.198	93.669	96.363	99.769	98.832	98.666	97.889	97.651
30	12:30	96.077	96.670	97.777	98.326	96.267	99.003	98.601	98.105	97.522	97.019
31	13: 0	99.196	99.107	99.513	99.659	92.667	103.115	101.517	99.672	98.767	98.142
32	13:30	99.185	99.003	99.586	99.710	99.290	103.571	101.726	100.196	99.771	99.076
33	14: 0	99.258	99.097	99.301	99.679	99.296	103.989	102.041	100.206	99.879	99.151
34	14:30	99.209	98.932	99.299	99.567	99.277	104.052	101.901	100.177	100.011	99.220
35	15: 0	99.071	98.789	99.279	99.503	99.675	104.200	102.162	100.167	99.869	98.700
36	15:30	99.120	98.770	99.206	99.569	99.161	103.989	101.067	100.013	99.668	98.998
37	16: 0	99.062	99.693	99.160	99.526	98.868	104.109	101.967	100.020	99.656	98.908
38	16:30	99.071	98.880	99.079	99.607	99.969	104.018	101.781	99.927	99.711	98.763
39	17: 0	98.969	98.566	99.076	99.629	99.059	104.166	101.871	99.886	99.616	98.621
40	17:30	99.015	98.635	99.052	99.610	98.851	104.320	101.967	99.073	99.961	98.833
41	18: 0	98.760	98.576	98.999	99.607	98.708	104.155	102.621	99.880	99.567	98.289
42	18:30	98.778	98.110	98.025	99.110	98.665	104.361	101.967	99.891	99.500	98.290
43	19: 0	99.139	98.207	98.839	99.127	99.020	104.402	101.781	99.760	99.761	98.839
44	19:30	98.902	98.226	98.779	99.308	98.661	104.279	101.739	99.733	99.626	98.686
45	45: 0	100.561	99.198	99.192	99.625	100.661	79.620	79.916	99.118	100.186	100.462

TITLE = CASE 13 DATE 86/10/21 TIME 17:41:12

CH. INDEX		221 S= 61	222 S= 62	223 S= 63	224 S= 71	225 S= 72	226 S= 81	227 S= 82	228 S= 83	229 S= 91	230 S= 92
INITIAL		0.165	0.151	0.159	0.160	0.156	0.161	0.157	0.159	0.169	0.166
FINAL		0.167	0.150	0.159	0.166	0.156	0.136	0.156	0.158	0.163	0.163
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.050	100.000	100.000	100.000
2	0: 3	100.007	100.007	100.000	99.999	99.981	99.972	100.025	100.006	99.972	99.980
3	0: 6	99.986	100.026	100.000	99.966	100.066	100.000	100.013	100.019	99.986	100.006
4	0: 9	100.000	100.026	100.013	100.207	99.977	99.991	100.057	100.032	99.986	100.006
5	0:15	99.979	100.086	100.019	102.907	100.019	100.000	100.332	100.038	100.000	100.018
6	0:30	99.498	100.000	100.006	99.996	99.956	99.986	100.038	100.050	99.986	100.006
7	1: 0	98.956	99.917	100.000	99.992	99.976	99.963	100.070	100.057	99.970	100.018
8	1:30	95.761	97.325	99.296	98.559	98.565	99.150	98.980	99.670	99.250	99.027
9	2: 0	96.305	92.160	97.971	97.661	91.666	95.957	95.012	98.083	96.022	97.117
10	2:30	96.121	97.191	98.690	93.255	96.275	93.876	96.037	98.266	91.001	95.060
11	3: 0	96.818	98.076	98.741	95.127	97.613	95.817	97.756	98.666	95.758	97.676
12	3:30	96.619	97.645	99.215	98.766	97.610	95.715	97.465	98.808	96.670	97.600
13	4: 0	97.317	98.017	99.260	99.162	97.656	96.227	97.965	98.758	96.609	98.509
14	4:30	97.766	98.176	99.021	98.170	98.779	96.619	98.515	99.069	98.781	98.760
15	5: 0	98.716	98.751	99.676	97.675	98.766	97.666	98.615	99.092	97.266	98.566
16	5:30	97.669	97.257	70.920	98.037	98.865	98.361	98.095	99.667	97.675	98.025
17	6: 0	95.561	95.067	97.613	92.666	98.262	98.662	98.203	98.667	97.092	98.566
18	6:30	97.655	97.676	98.976	95.065	98.026	98.101	97.570	98.782	93.116	96.675
19	7: 0	98.652	97.676	99.020	97.611	98.762	97.557	80.558	99.588	96.665	97.150
20	7:30	99.055	96.716	99.603	97.510	98.565	97.976	98.636	99.696	97.016	97.613
21	8: 0	98.985	90.553	99.200	98.210	98.121	90.665	98.181	99.669	97.610	98.111
22	8:30	95.315	90.695	98.178	98.265	96.761	98.656	98.617	99.506	97.569	97.865
23	9: 0	99.025	98.616	99.185	96.160	96.020	98.990	98.150	99.590	97.755	98.255
24	9:30	97.662	98.908	96.565	97.207	98.051	98.913	98.601	99.508	97.286	97.857
25	10: 0	98.590	96.562	98.105	93.667	95.566	99.005	98.620	98.755	95.310	96.552
26	10:30	99.287	98.202	99.131	96.605	97.168	97.666	97.600	99.111	95.151	95.361
27	11: 0	96.669	98.006	98.665	97.516	99.161	90.129	97.766	98.901	97.279	97.678
28	11:30	100.115	98.558	91.666	97.021	98.525	98.762	98.157	99.588	97.697	97.771
29	12: 0	97.571	98.065	91.000	97.652	92.550	90.692	98.160	99.550	97.561	97.625
30	12:30	98.966	98.690	98.692	99.156	98.616	98.076	98.307	99.672	97.368	97.167
31	13: 0	101.539	99.293	98.506	96.660	98.661	98.767	97.660	99.691	97.658	97.618
32	13:30	102.193	99.276	97.506	102.716	99.868	100.967	99.550	100.057	99.199	99.005
33	14: 0	102.696	99.666	99.568	101.629	100.171	101.226	99.506	100.277	99.695	99.616
34	14:30	102.661	99.901	99.677	101.691	100.106	101.250	99.596	100.765	99.910	99.632
35	15: 0	102.577	99.956	99.677	100.695	100.066	101.781	99.660	100.259	99.860	99.608
36	15:30	102.695	99.665	99.616	101.076	100.657	101.531	99.165	100.765	99.910	99.177
37	16: 0	102.517	99.866	99.197	100.656	99.906	101.356	99.296	100.766	99.856	99.328
38	16:30	102.026	99.655	99.536	101.167	100.606	101.321	99.296	100.760	99.856	99.786
39	17: 0	122.655	99.769	99.296	100.969	97.657	101.250	99.265	100.768	99.770	99.769
40	17:30	102.966	99.782	97.509	100.966	99.937	101.302	99.166	100.185	99.768	99.708
41	18: 0	102.517	99.663	99.256	100.961	99.871	101.265	99.120	100.158	99.766	99.157
42	18:30	102.659	99.696	98.280	100.676	99.861	101.102	99.259	100.165	99.731	99.127
43	19: 0	102.662	99.663	99.202	100.960	99.867	101.231	99.907	100.139	99.717	99.115
44	19:30	102.613	99.621	99.171	100.966	99.776	101.168	98.997	100.107	99.675	99.066
45	45: 0	99.100	99.167	99.680	99.027	99.176	97.967	99.506	99.300	98.002	99.628

TITLE = CASE 13 DATE 86/10/21 TIME 17:41:12

CH. INDEX		231 S=101	232 S=102	233 S=103	234 S=111	235 S=112	236 S=121	237 S=122	238 S=123	239 S=131	240 S=132
INITIAL		0.157	0.161	0.159	0.151	0.166	0.131	0.149	0.165	0.153	0.159
FINAL		0.156	0.162	0.159	0.150	0.165	0.131	0.148	0.165	0.152	0.156
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.309	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 3	100.000	100.000	99.999	100.015	100.000	99.926	100.000	99.976	99.993	100.000
3	0: 6	100.002	100.006	100.019	100.007	100.006	100.008	100.000	100.006	100.000	100.015
4	0: 9	100.011	100.018	100.031	100.013	100.006	99.833	100.007	99.970	100.007	100.019
5	0:15	100.015	100.018	100.013	100.015	100.026	100.107	100.015	100.061	100.007	100.019
6	0:30	100.019	100.025	100.018	100.320	100.018	99.855	100.011	100.038	100.007	100.026
7	1: 0	100.019	100.031	100.015	100.020	100.026	100.023	100.036	100.061	100.013	100.036
8	1:30	100.000	100.006	100.010	100.028	100.038	99.893	100.027	100.000	100.013	100.045
9	2: 0	98.061	98.981	99.629	98.869	99.586	99.766	100.027	99.988	100.020	100.045
10	2:30	92.591	98.996	97.661	93.228	97.676	95.656	99.765	99.651	99.520	99.666
11	3: 0	95.620	97.551	98.698	92.668	98.787	89.876	99.315	98.269	97.786	99.092
12	3:30	96.671	97.902	98.630	99.565	90.197	93.767	99.557	98.681	97.603	97.588
13	4: 0	96.391	97.816	98.831	96.670	70.035	96.728	99.716	98.951	98.678	98.181
14	4:30	96.665	98.253	98.857	95.666	98.011	96.778	99.686	99.076	98.161	98.615
15	5: 0	97.077	98.176	98.981	96.675	90.621	95.666	99.731	98.965	95.696	98.668
16	5:30	97.611	98.606	99.216	98.627	98.555	96.057	99.765	99.225	98.637	98.615
17	6: 0	96.070	98.530	99.116	97.613	98.867	97.907	99.866	99.607	98.886	98.778
18	6:30	91.327	95.999	97.372	91.756	97.666	96.530	99.812	99.510	99.081	99.052
19	7: 0	96.140	97.766	98.831	93.667	96.958	91.566	99.629	98.291	98.082	98.060
20	7:30	97.609	98.316	98.919	96.196	98.621	96.310	99.606	98.680	97.511	97.601
21	8: 0	97.370	98.283	98.616	96.762	98.615	96.206	99.718	99.058	98.565	98.571
22	8:30	97.255	98.177	99.019	96.762	98.396	95.666	99.691	98.950	98.723	98.689
23	9: 0	97.809	98.331	99.083	97.129	98.260	95.218	99.686	98.899	98.670	98.551
24	9:30	97.661	98.355	99.185	97.665	98.716	96.135	99.651	99.155	98.769	98.661
25	10: 0	96.593	97.658	98.657	98.917	98.390	98.029	99.691	99.135	98.816	98.577
26	10:30	96.307	95.962	97.127	92.091	97.156	96.561	99.563	98.778	98.611	98.713
27	11: 0	96.791	97.777	98.666	95.036	96.669	98.926	99.260	98.386	97.399	97.601
28	11:30	97.077	97.021	98.818	95.961	97.727	96.692	99.537	98.766	97.038	97.917
29	12: 0	97.013	97.780	98.662	98.759	99.179	96.619	99.600	98.925	98.303	97.669
30	12:30	96.766	97.036	98.765	96.602	97.656	96.751	99.606	98.675	98.369	98.260
31	13: 0	97.266	97.950	98.788	98.812	96.167	96.685	99.602	98.786	98.661	98.366
32	13:30	97.597	98.216	99.096	97.010	98.125	99.169	99.609	98.868	98.616	98.092
33	14: 0	99.280	99.166	99.556	99.650	98.665	96.075	99.656	98.939	98.628	98.680
34	14:30	99.357	99.161	99.662	99.661	99.260	98.167	99.597	99.371	99.066	98.868
35	15: 0	99.319	99.110	93.662	99.566	99.260	99.519	99.577	99.185	99.312	99.187
36	15:30	99.276	99.061	99.617	99.765	99.216	90.666	99.916	99.185	99.125	99.167
37	16: 0	99.262	99.030	99.579	99.710	99.102	98.250	99.608	99.208	99.266	99.266
38	16:30	99.191	98.969	99.585	99.650	99.162	98.362	99.601	99.366	99.260	99.242
39	17: 0	99.179	98.912	99.556	99.796	99.112	97.996	99.616	99.750	99.260	99.250
40	17:30	99.121	98.863	99.522	99.650	99.066	99.121	99.382	99.266	99.207	99.205
41	18: 0	98.077	98.836	99.516	99.696	99.010	97.923	99.155	99.150	99.201	99.185
42	18:30	96.032	98.791	99.510	99.617	99.035	97.779	99.268	99.092	99.155	99.196
43	19: 0	96.007	98.766	99.503	99.617	99.005	97.862	99.275	99.291	99.063	99.120
44	19:30	98.960	98.711	99.669	99.505	98.975	97.916	99.236	99.098	99.066	99.036
45	45: 0	99.223	99.600	99.931	99.160	99.715	99.667	99.128	100.018	99.260	99.560

TITLE = CASE 13 DATE 86/10/21 TIME 17:41:12

CH. INDEX		250 V= 21	251 V= 22	252 V= 23	253 V= 24	254 V= 25	255 V= 26	256 V= 27	257 V= 28	258 V= 29	259 V= 31
INITIAL		0.111	0.116	0.112	0.116	0.107	0.108	0.119	0.108	0.106	0.106
FINAL		0.108	0.126	0.128	0.117	0.163	0.125	0.131	0.126	0.111	0.115
LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	0: 0	1.951	1.993	1.852	1.995	1.835	1.821	2.055	1.859	1.700	1.825
2	0: 3	1.975	1.969	1.856	1.967	1.969	1.967	2.080	2.208	2.138	1.696
3	0: 6	1.923	2.012	1.832	1.888	2.016	1.997	1.926	2.208	2.161	1.666
4	0: 9	1.769	1.990	1.910	2.018	1.950	1.895	1.863	1.932	1.829	1.667
5	0:15	1.919	2.121	2.016	1.909	1.991	1.756	1.930	1.828	1.679	1.578
6	0:30	2.121	2.290	2.006	2.059	2.038	1.828	1.969	1.899	1.867	1.306
7	1: 0	1.811	2.019	1.980	2.070	2.062	2.021	1.836	1.990	2.058	2.176
8	1:30	2.011	2.035	1.997	1.925	1.990	1.921	1.950	2.055	2.000	1.678
9	2: 0	1.710	1.978	1.997	2.171	2.016	2.000	2.210	2.195	2.257	1.662
10	2:30	1.827	1.930	1.818	1.811	1.908	1.998	2.066	2.171	2.107	2.808
11	3: 0	1.774	1.885	2.080	2.098	2.178	2.295	2.258	2.320	2.195	1.933
12	3:30	1.866	1.773	1.885	1.962	2.102	2.071	2.219	2.185	2.665	1.999
13	4: 0	1.070	2.197	1.931	1.960	2.012	1.862	1.915	2.076	2.276	2.195
14	4:30	1.675	1.961	1.967	2.174	1.992	2.086	2.110	2.136	2.289	2.203
15	5: 0	1.980	1.956	1.981	2.023	1.908	1.869	1.973	2.186	2.606	1.978
16	5:30	1.869	1.887	1.958	1.970	1.993	2.057	2.202	2.268	2.276	1.730
17	6: 0	2.055	2.210	2.088	2.092	2.067	2.067	2.109	2.268	2.117	2.679
18	6:30	1.727	2.012	1.867	1.767	2.062	2.093	2.121	2.281	2.161	2.100
19	7: 0	1.729	2.006	1.901	1.923	1.956	1.877	1.892	2.152	2.289	2.117
20	7:30	2.009	2.109	1.899	2.109	2.069	1.908	1.786	1.809	1.928	2.040
21	8: 0	1.976	1.990	1.975	2.171	2.128	2.078	2.110	1.932	1.861	2.063
22	8:30	2.011	2.162	2.126	2.066	2.081	2.056	2.007	1.985	2.065	1.907
23	9: 0	1.976	2.070	2.082	2.144	2.062	1.958	1.892	2.098	2.307	1.735
24	9:30	2.060	2.157	2.165	2.157	2.008	1.973	2.011	2.121	2.200	2.298
25	10: 0	1.892	2.000	2.069	2.006	1.986	2.006	2.195	2.289	2.169	1.971
26	10:30	1.998	2.116	1.975	2.006	1.932	1.971	2.225	2.386	2.667	1.768
27	11: 0	2.171	2.203	2.190	2.217	2.090	2.067	1.990	2.050	2.057	1.655
28	11:30	1.969	2.265	2.121	2.050	2.165	2.076	2.261	2.176	2.080	2.040
29	12: 0	1.715	1.907	1.909	1.970	1.895	1.861	1.965	2.176	2.266	2.227
30	12:30	1.802	2.251	2.117	2.171	1.918	1.935	2.085	2.313	2.590	1.868
31	13: 0	1.808	1.997	1.888	1.597	1.955	1.951	2.098	2.159	2.171	1.981
32	13:30	1.777	2.007	1.902	1.871	1.909	1.928	1.909	2.277	2.337	1.808
33	14: 0	1.810	1.928	1.809	1.695	1.865	1.899	2.102	2.109	2.277	2.212
34	14:30	2.070	2.195	1.738	1.932	1.897	1.901	1.860	2.007	2.158	2.169
35	15: 0	1.937	2.011	1.980	1.997	2.018	2.001	2.119	2.066	2.176	2.011
36	15:30	1.658	1.992	1.880	2.018	2.066	2.060	2.069	2.180	2.307	1.686
37	16: 0	2.030	1.950	1.866	1.908	1.899	1.915	2.155	2.001	2.306	1.869
38	16:30	2.096	2.251	2.257	2.016	2.136	2.005	2.337	2.319	2.410	1.950
39	17: 0	1.661	2.002	1.866	1.865	1.657	1.897	2.269	2.275	2.305	1.695
40	17:30	1.875	2.190	2.257	2.176	2.190	2.176	2.026	1.925	1.966	1.796
41	18: 0	1.966	2.153	2.079	2.197	2.018	1.877	1.965	2.198	2.196	2.210
42	18:30	1.966	1.997	2.090	2.151	2.160	2.209	2.117	2.265	2.022	2.216
43	19: 0	1.726	1.829	1.808	2.009	2.030	2.073	2.571	2.332	2.298	1.600
44	19:30	1.966	2.057	1.962	1.911	1.926	1.921	2.069	2.226	2.176	1.875
45	45: 0	1.654	2.207	2.210	2.358	2.288	2.110	2.257	2.176	1.907	1.975

TITLE : CASE 13   DATE 80/10/21   TIME 17: 4112

CH. THULX		260 V= 72	261 V= 73	262 V= 74	263 V=121	264 V=122	265 V=123	266 V=124
INITIAL		0.090	0.097	0.124	0.095	0.120	0.110	0.098
FINAL		0.105	0.100	0.119	0.093	0.099	0.121	0.115
LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	[illegible]	1.886		1.866	1.810	2.001	1.887	1.858
2	[illegible]	1.880		1.763	1.542	2.002	1.856	1.572
3	[illegible]	1.868		1.898	1.765	1.847	2.179	1.736
4	[illegible]	1.852		1.734	1.680	2.014	2.129	1.672
5	[illegible]	1.897		1.722	1.612	1.804	1.975	1.766
6	[illegible]	1.770		1.921	1.662	1.896	1.866	1.763
7	[illegible]	1.910		1.711	1.606	1.996	1.966	1.661
8	[illegible]	2.078		1.878	1.519	2.142	1.892	1.679
9	[illegible]	2.095		1.852	1.651	2.136	1.818	1.596
10	[illegible]	2.227		1.961	2.009	2.336	1.816	1.589
11	[illegible]	2.052		2.086	1.786	2.233	2.030	1.596
12	[illegible]	2.066		2.067	2.124	2.157	1.892	1.667
13	[illegible]	2.088		1.928	1.909	2.241	1.903	1.519
14	[illegible]	2.008		1.887	1.978	2.410	1.921	1.625
15	[illegible]	2.002		2.078	2.016	2.001	2.061	1.576
16	[illegible]	1.921		2.094	1.760	2.308	1.918	1.609
17	[illegible]	1.911		2.052	1.915	2.334	2.019	1.632
18	[illegible]	2.114		2.081	2.047	2.319	2.016	1.686
19	[illegible]	2.071		1.895	1.868	2.141	2.219	1.729
20	[illegible]	2.071		1.866	1.517	2.186	2.319	1.906
21	[illegible]	2.204		1.968	1.938	2.278	1.890	1.768
22	[illegible]	1.990		2.109	2.021	2.151	2.150	1.915
23	[illegible]	2.227		1.727	1.762	2.265	2.052	1.889
24	[illegible]	2.062		1.736	1.997	2.202	2.087	1.827
25	[illegible]	2.110		1.875	1.915	2.044	2.265	1.871
26	[illegible]	2.174		1.851	1.816	2.101	2.148	1.916
27	[illegible]	2.005		2.062	1.861	2.290	2.205	1.937
28	[illegible]	1.966		2.128	1.925	2.270	2.076	1.918
29	[illegible]	2.162		1.817	1.772	2.178	2.172	1.907
30	[illegible]	1.967		1.878	1.750	2.010	2.050	1.808
31	[illegible]	1.776		2.188	1.957	2.099	2.210	1.832
32	[illegible]	1.786		2.028	1.805	1.976	2.062	1.828
33	[illegible]	2.209		1.787	1.792	2.180	2.128	1.725
34	[illegible]	1.902		1.987	1.720	1.992	2.207	1.965
35	[illegible]	1.995		2.002	1.908	2.320	2.229	1.753
36	[illegible]	2.120		1.510	1.808	2.008	2.286	1.828
37	[illegible]	2.235		1.725	1.880	2.270	2.188	1.867
38	[illegible]	2.065		1.825	1.706	2.128	2.097	1.708
39	[illegible]	1.995		2.178	1.920	2.044	2.178	1.962
40	[illegible]	2.035		2.097	1.867	2.156	1.971	1.987
41	[illegible]	2.056		2.160	1.715	2.135	2.165	1.996
42	[illegible]	2.007		1.978	1.901	1.997	2.050	2.014
43	[illegible]	1.995		2.036	1.932	2.116	2.080	2.089
44	[illegible]	2.151		2.006	1.758	2.149	2.066	1.815
45	[illegible]	1.799		1.899	1.826	1.701	2.085	1.971

実験No. 9 TITLE = CASE 14 (B) DATE 86/10/21 TIME 151 6136

CH. INDEX		101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		20.300	20.700	20.900	20.500	20.400	20.500	20.400	20.500	20.500	20.400
FINAL		19.800	20.000	19.700	19.800	19.800	19.700	19.700	19.700	19.700	19.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	-0.100	-0.100	-0.100	-0.100	-0.100	0.0	-0.100	-0.100	0.0
3	01 0	0.0	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	0.0
4	01 0	0.0	0.0	-0.100	-0.100	0.0	-0.100	0.0	-0.100	0.0	0.200
5	01 3	0.100	0.0	0.0	-0.100	0.100	0.0	0.0	0.0	0.0	0.300
6	0130	1.900	11.100	8.900	5.900	6.300	2.900	2.000	1.400	1.100	6.400
7	11 0	1.900	10.700	13.300	8.000	5.800	4.900	4.300	3.800	3.400	15.200
8	1130	5.800	19.200	14.700	10.200	6.800	4.000	3.800	3.000	1.800	18.400
9	21 0	6.400	19.000	14.100	10.900	6.900	7.300	5.500	5.300	4.100	20.400
10	2130	7.400	20.400	15.900	10.700	4.900	6.800	5.000	4.900	3.900	21.000
11	31 0	8.900	23.400	19.000	14.800	6.400	8.400	6.900	5.400	2.400	22.200
12	3130	9.500	26.200	22.700	18.300	13.100	9.100	6.700	5.400	5.100	25.900
13	41 0	10.300	26.100	24.300	19.900	12.700	9.400	7.400	6.100	4.900	26.000
14	4130	11.700	28.100	25.900	22.800	17.600	13.300	9.400	7.200	5.000	26.000
15	51 0	11.800	28.700	26.400	19.900	19.900	12.800	8.400	6.200	3.800	28.400
16	5130	13.000	30.500	25.900	22.100	19.900	15.200	9.400	6.200	4.200	28.700
17	61 0	12.900	32.100	26.200	22.100	17.900	12.900	8.400	9.500	3.300	28.100
18	6130	13.300	31.500	27.000	26.000	20.000	15.300	9.700	7.400	5.400	28.900
19	71 0	15.100	32.500	29.900	25.400	20.000	14.800	9.100	6.400	5.300	29.700
20	7130	15.900	31.900	29.800	25.800	20.900	15.000	10.400	6.500	3.900	30.400
21	81 0	15.000	33.400	29.800	26.600	21.400	15.800	10.100	6.500	5.500	31.100
22	8130	15.800	35.700	31.700	20.200	23.400	17.900	10.200	5.400	5.000	31.100
23	91 0	15.000	34.100	30.200	27.400	26.100	23.000	11.900	6.500	5.400	31.400
24	9130	15.600	35.000	30.800	26.700	20.800	19.800	9.600	6.300	6.000	32.100
25	101 0	16.900	36.000	32.700	29.400	26.100	18.700	11.700	8.700	5.200	32.400
26	10130	16.900	36.200	30.900	28.400	23.100	17.900	12.100	7.700	6.400	33.800
27	111 0	17.800	35.200	32.200	28.100	22.400	19.100	14.000	11.500	8.500	32.400
28	11130	18.100	36.000	35.300	31.900	26.400	19.200	12.400	8.800	5.400	35.200
29	121 0	20.500	37.800	35.100	32.400	23.500	22.300	13.900	9.300	6.700	34.000
30	12130	19.800	37.900	34.900	31.900	26.400	21.400	15.000	8.500	6.500	35.300
31	131 0	20.200	38.100	33.400	20.400	26.100	19.100	12.800	8.700	5.100	33.500
32	13130	19.900	39.700	35.400	32.100	27.900	22.000	15.200	9.800	5.500	34.900
33	141 0	21.800	38.100	33.800	29.400	25.700	20.300	14.600	10.400	7.200	34.400
34	14130	22.300	37.200	33.800	25.400	26.900	21.900	14.100	9.400	6.200	34.400
35	151 0	21.800	36.600	32.300	28.400	26.900	20.700	14.100	9.900	6.800	33.000
36	15130	20.900	32.500	28.400	24.700	21.600	17.100	17.900	9.800	6.500	31.400
37	161 0	18.900	29.900	23.400	19.200	19.800	17.000	9.700	7.400	5.500	28.400
38	16130	17.900	26.700	22.400	19.800	15.200	18.700	8.100	6.000	5.300	27.000
39	171 0	16.900	23.600	21.400	17.900	17.800	8.300	6.300	5.100	3.700	25.300
40	17130	15.200	18.800	14.800	11.800	7.400	5.100	6.100	5.000	2.400	20.700
41	181 0	13.900	16.400	10.700	7.700	6.100	4.900	4.100	5.400	2.300	16.500
42	18130	12.200	12.800	9.800	7.200	6.400	1.400	2.800	2.100	1.700	13.800
43	191 0	11.900	10.800	8.800	6.200	3.800	2.400	2.300	1.500	1.100	12.100
44	19130	10.100	9.700	7.900	6.400	4.800	3.700	3.000	2.400	1.800	10.100
45	20130	-0.700	-0.700	-0.800	-0.700	-0.800	-0.800	-0.700	-0.800	-0.800	-0.500

TITLE = CASE 14 DATE 86/10/21 TIME 151 6136

CH. INDEX		111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		20.500	20.500	20.500	20.400	20.400	20.400	20.400	20.500	20.400	20.400
FINAL		19.800	19.700	19.800	19.700	19.700	19.700	19.700	20.000	19.900	19.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	-0.100	0.0	0.0
3	01 0	-0.100	-0.100	-0.100	-0.100	0.0	0.0	0.0	0.0	0.0	0.0
4	01 0	-0.100	0.0	-0.200	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	01 0	0.0	0.0	-0.200	0.0	0.100	0.0	0.0	0.0	0.0	0.0
6	0130	5.000	4.300	4.100	2.900	1.800	8.000	8.400	1.700	1.200	0.400
7	11 0	14.400	12.200	11.700	9.700	7.800	6.200	5.200	7.900	7.200	4.400
8	1130	17.400	15.900	14.400	17.000	9.800	6.100	4.100	11.400	9.800	8.800
9	21 0	14.800	17.100	15.200	17.100	10.200	6.800	4.700	14.900	12.400	8.900
10	2130	19.700	18.400	17.000	14.600	11.900	8.000	5.400	15.300	13.900	10.300
11	31 0	20.500	19.100	17.000	14.900	11.900	9.000	5.000	17.000	14.400	11.200
12	3130	21.400	20.700	18.800	14.100	9.700	7.900	5.500	18.700	17.200	12.900
13	41 0	21.500	21.500	19.200	15.700	12.100	8.200	5.500	20.100	19.300	15.400
14	4130	26.300	20.700	17.000	17.400	9.800	7.800	5.300	20.500	19.100	15.500
15	51 0	26.200	22.800	20.300	14.300	10.200	7.800	5.300	22.700	21.500	17.800
16	5130	26.700	20.000	17.200	13.900	9.000	7.000	4.400	25.100	22.800	19.400
17	61 0	26.700	23.000	20.100	17.400	16.000	8.000	4.000	24.400	22.800	19.400
18	6130	25.600	21.700	17.100	13.600	5.400	7.400	5.200	23.800	23.400	20.900
19	71 0	26.200	20.900	17.400	11.900	9.400	7.700	5.400	24.800	24.400	21.700
20	7130	27.400	22.500	18.900	14.900	11.000	8.300	5.800	25.800	25.500	22.800
21	81 0	27.400	21.900	18.400	15.000	10.400	7.000	5.400	25.100	25.900	23.400
22	8130	28.400	23.200	19.800	14.700	10.400	7.400	5.400	26.300	26.400	24.100
23	91 0	20.400	23.900	19.900	15.700	11.400	7.700	5.100	27.200	27.100	24.400
24	9130	20.800	24.700	20.800	15.300	10.500	7.500	5.000	27.200	27.300	24.400
25	101 0	27.600	21.900	17.900	13.100	9.400	6.900	4.400	27.000	27.400	25.700
26	10130	30.400	25.400	21.700	14.400	16.000	7.000	4.800	27.900	27.800	25.400
27	111 0	26.900	25.300	19.700	14.300	11.900	7.900	5.300	28.100	28.400	24.400
28	11130	31.100	24.000	18.300	15.000	10.800	7.900	5.400	28.600	28.700	25.700
29	121 0	23.900	23.500	18.400	15.200	11.400	6.400	6.100	29.800	30.000	27.300
30	12130	29.300	22.600	18.500	14.400	9.400	7.900	5.700	29.800	29.900	27.700
31	131 0	29.800	26.400	20.700	14.200	12.000	8.200	5.700	28.600	29.100	27.400
32	13130	30.000	22.900	17.400	12.800	9.800	7.200	4.800	29.900	29.800	27.700
33	141 0	30.200	24.800	19.000	14.500	12.800	8.400	5.900	30.000	30.100	27.900
34	14130	31.100	24.900	18.100	14.000	11.800	8.400	5.500	30.200	30.100	28.100
35	151 0	24.500	25.100	17.600	17.100	8.700	7.500	5.100	29.800	29.700	28.100
36	15130	26.200	22.700	17.700	13.800	11.800	8.100	5.600	29.400	29.400	27.800
37	161 0	26.000	24.200	20.400	14.500	11.800	8.800	4.400	27.100	27.200	25.400
38	16130	25.600	23.000	20.000	17.900	14.100	9.500	4.400	26.900	25.400	22.800
39	171 0	27.200	20.200	18.000	14.900	10.900	9.200	4.800	22.600	20.700	19.800
40	17130	19.800	16.800	17.000	15.500	12.200	9.500	4.400	20.700	19.000	17.100
41	181 0	15.800	16.300	19.700	11.300	9.200	8.100	5.700	17.800	16.200	16.800
42	18130	13.500	17.400	11.600	9.300	7.400	8.800	4.400	15.300	16.700	13.400
43	191 0	12.100	11.700	10.800	8.000	6.200	5.400	5.800	15.000	12.700	11.900
44	19130	9.800	8.400	6.800	5.100	4.200	4.200	3.700	11.300	10.900	10.800
45	20130	-0.700	-0.500	-0.700	-0.700	-0.700	-0.700	-0.700	-0.500	-0.500	-0.500

TITLE = CASE 14 DATE 86/10/21 TIME 151 6136

CH. INDEX		121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 38	126 T= 41	127 T= 42	128 T= 43	129 T= 44	130 T= 51
INITIAL		20.400	20.800	20.400	20.500	20.400	20.400	20.900	20.400	20.300	20.400
FINAL		19.900	19.800	19.800	19.700	19.700	20.200	19.900	19.800	19.700	20.100
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	0.0	-0.100	-0.100	-0.100	0.0	0.0	0.0
3	01 0	0.0	0.0	0.0	0.0	-0.100	-0.100	0.0	-0.100	0.0	0.0
4	01 0	0.0	-0.100	0.0	0.0	-0.100	-0.100	-0.200	-0.100	0.0	0.0
5	01 0	0.0	0.0	0.0	0.0	0.0	-0.100	-0.200	0.0	0.0	0.0
6	0130	0.400	0.200	0.200	0.100	0.400	0.0	0.100	0.0	0.0	0.0
7	11 0	3.900	2.900	2.300	1.400	2.900	8.900	4.500	3.200	1.400	3.400
8	1130	5.200	3.700	3.300	2.700	2.200	13.100	10.900	6.400	3.700	8.000
9	21 0	6.900	4.700	4.000	3.200	2.400	14.800	13.800	9.300	5.700	11.100
10	2130	7.700	5.700	5.200	4.500	4.100	14.900	14.700	11.400	6.900	13.100
11	31 0	8.300	6.300	5.400	4.700	3.400	17.400	16.200	12.200	7.000	14.200
12	3130	9.700	7.300	6.800	5.700	3.900	19.700	16.400	11.200	6.000	15.100
13	41 0	11.500	8.900	7.800	6.100	4.300	21.300	17.500	12.300	6.700	17.000
14	4130	11.900	9.700	8.200	6.400	5.300	21.400	16.900	12.000	6.800	17.000
15	51 0	13.800	11.000	9.400	7.400	4.100	22.400	16.100	10.100	6.500	18.400
16	5130	15.300	11.700	9.800	7.200	5.000	22.900	18.400	12.200	6.400	19.900
17	61 0	15.700	12.500	11.000	8.700	4.300	23.800	19.400	11.400	6.100	20.400
18	6130	16.400	13.200	11.400	9.000	4.900	23.400	19.000	12.400	6.700	20.400
19	71 0	17.800	13.800	11.700	8.400	5.800	24.200	19.700	11.800	6.800	21.100
20	7130	18.500	14.600	12.400	9.700	6.900	25.300	18.500	10.300	6.100	21.800
21	81 0	19.200	15.300	13.200	10.400	7.600	25.300	19.800	11.400	6.200	22.200
22	8130	20.100	16.300	14.800	10.800	7.200	25.900	20.100	11.500	6.400	22.700
23	91 0	20.400	16.700	14.100	10.400	6.000	25.800	20.400	10.400	5.900	23.300
24	9130	22.800	17.200	14.800	11.700	7.600	26.000	21.000	11.100	6.400	23.300
25	101 0	21.800	17.300	14.700	11.000	7.100	26.000	19.800	10.700	6.100	23.300
26	10130	21.900	17.800	15.300	12.100	9.300	27.000	20.900	10.400	5.900	23.800
27	111 0	21.900	17.800	15.200	11.700	7.400	26.900	21.700	11.700	6.100	24.400
28	11130	21.600	17.400	14.900	11.000	6.900	27.100	20.000	12.700	6.800	24.000
29	121 0	22.900	18.100	15.200	11.500	7.800	29.100	18.000	10.400	6.200	25.700
30	12130	23.200	18.700	15.400	12.100	9.300	28.400	22.000	11.400	6.500	26.400
31	131 0	23.000	18.500	15.400	12.400	6.200	27.400	27.000	11.500	6.500	25.700
32	13130	23.100	18.900	14.200	12.200	6.300	28.800	22.000	12.100	6.900	25.400
33	141 0	23.200	18.800	15.400	11.400	7.300	29.100	20.700	11.400	6.700	26.900
34	14130	23.700	19.100	14.100	11.700	7.300	28.900	20.500	12.400	6.700	26.200
35	151 0	24.100	19.400	16.200	11.200	7.100	28.700	22.400	13.300	7.500	26.800
36	15130	21.800	18.700	15.400	10.700	7.200	28.400	20.700	11.800	7.100	26.100
37	161 0	21.400	17.100	14.100	9.700	6.700	29.100	19.900	15.000	7.500	26.900
38	16130	19.800	14.800	12.200	8.700	5.700	25.400	20.100	13.200	7.200	22.800
39	171 0	16.400	12.800	10.400	7.500	4.900	22.200	18.300	13.700	7.900	21.100
40	17130	16.700	11.900	9.300	6.900	4.300	19.700	17.000	12.000	7.700	19.300
41	181 0	12.700	10.000	8.800	9.900	5.400	16.400	15.900	10.100	7.400	17.600
42	18130	11.900	9.000	7.100	9.700	5.400	12.900	11.000	7.400	5.400	15.600
43	191 0	10.400	8.100	6.400	8.400	2.800	10.900	8.200	5.400	6.800	13.100
44	19130	9.400	7.700	6.100	8.400	3.300	9.300	7.000	4.700	3.900	11.400
45	20130	-0.500	-0.600	-0.600	-0.600	-0.700	-0.400	-0.600	-0.600	-0.600	-0.300

TITLE = CASE 14 DATE 86/10/21 TIME 151 6136

CH. INDEX		131 T= 52	132 T= 53	133 T= 54	134 T= 55	135 T= 61	136 T= 62	137 T= 63	138 T= 64	139 T= 71	140 T= 72
INITIAL		20.400	20.400	20.100	20.200	20.100	20.400	20.300	20.200	20.300	20.300
FINAL		20.000	19.800	19.800	19.700	20.100	20.000	19.900	19.800	20.200	20.000
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	0.0	0.100	0.0	0.0	0.0	0.100	0.0
3	01 0	0.100	0.0	0.0	0.0	0.100	0.0	0.0	0.100	0.100	0.0
4	01 0	0.100	-0.100	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	01 0	0.100	0.0	0.0	0.0	0.100	0.0	0.0	0.0	0.0	0.0
6	0130	0.100	0.0	0.0	0.0	0.100	0.0	0.100	0.0	0.100	0.0
7	11 0	2.700	5.400	1.700	1.000	3.400	2.300	1.000	0.300	1.700	0.400
8	1130	7.400	9.300	4.100	3.700	9.400	6.800	4.900	5.100	7.000	4.300
9	21 0	10.000	9.700	4.200	3.200	11.900	8.800	6.300	5.800	9.800	9.800
10	2130	11.300	9.500	5.400	3.100	12.800	9.400	7.300	6.800	10.900	10.900
11	31 0	12.700	10.500	7.000	3.000	13.500	11.900	8.700	5.000	12.100	12.700
12	3130	13.000	9.600	6.100	3.200	14.900	12.400	9.500	5.000	13.100	13.800
13	41 0	15.000	12.200	7.800	3.400	17.100	14.300	11.900	6.800	14.300	12.900
14	4130	16.000	11.200	6.800	3.100	17.500	14.700	11.000	7.900	15.400	14.400
15	51 0	16.000	13.500	8.500	4.500	17.700	15.800	11.400	8.100	15.400	14.700
16	5130	18.000	14.600	9.500	5.000	13.600	15.800	11.300	6.400	16.800	15.700
17	61 0	19.500	15.400	10.400	4.900	16.900	15.400	11.700	6.900	17.100	16.000
18	6130	19.000	15.100	10.000	5.200	19.700	16.400	13.100	8.200	18.100	17.200
19	71 0	20.400	17.200	11.400	5.400	20.300	16.100	12.400	7.400	17.700	16.800
20	7130	21.100	17.500	11.800	6.100	20.900	16.000	11.700	6.900	18.000	17.400
21	81 0	21.300	18.400	12.800	7.200	21.100	16.900	12.200	7.100	18.500	18.300
22	8130	22.200	19.000	13.500	6.900	21.600	17.100	12.700	7.300	18.800	18.600
23	91 0	22.000	18.700	15.700	6.700	22.400	17.300	11.400	6.400	19.700	19.400
24	9130	23.200	19.700	14.100	7.100	22.700	17.700	12.700	7.000	19.000	19.300
25	101 0	23.400	20.000	13.600	7.200	22.500	18.200	13.000	7.400	19.800	19.800
26	10130	23.800	20.500	14.000	7.000	22.400	17.100	11.400	8.200	19.500	19.400
27	111 0	24.900	19.800	14.900	6.400	21.400	18.400	12.700	8.700	21.100	21.000
28	11130	23.400	19.400	13.000	7.400	22.100	18.500	13.700	7.400	20.800	20.700
29	121 0	24.100	19.200	12.700	6.200	23.900	17.800	12.400	7.100	20.500	20.000
30	12130	25.400	21.800	13.500	7.100	24.700	18.300	12.800	7.000	21.700	21.300
31	131 0	25.200	21.400	15.200	7.400	24.100	18.500	11.400	6.500	21.500	21.600
32	13130	25.100	20.800	14.900	6.100	21.700	19.000	14.300	7.400	21.000	21.000
33	141 0	25.200	21.900	13.600	6.600	24.000	19.700	13.300	6.700	21.700	21.300
34	14130	25.000	21.200	13.800	6.400	23.800	18.800	12.900	6.800	21.700	21.000
35	151 0	25.400	21.300	13.500	6.800	24.400	19.400	13.300	7.900	22.400	21.000
36	15130	25.100	20.400	14.200	6.600	23.400	19.100	13.100	7.400	22.700	22.000
37	161 0	23.900	18.500	12.400	6.900	22.900	18.000	12.400	7.100	21.400	21.100
38	16130	21.600	15.400	10.000	5.400	20.700	18.200	13.000	7.800	20.100	19.900
39	171 0	20.100	13.900	9.000	6.700	19.900	17.200	13.400	8.400	18.700	17.600
40	17130	16.200	13.200	8.700	5.700	17.100	16.100	12.700	8.200	17.300	16.300
41	181 0	16.900	11.700	7.100	6.700	14.900	16.400	10.400	7.100	15.900	15.100
42	18130	14.800	10.700	7.200	6.000	13.100	10.900	7.700	5.200	13.900	13.100
43	191 0	12.800	8.900	6.400	6.400	11.200	9.400	6.800	5.700	11.800	10.800
44	19130	11.800	7.600	5.500	5.400	9.700	8.100	6.500	5.100	9.400	9.900
45	20130	-0.400	-0.600	-0.500	-0.500	-0.700	-0.400	-0.400	-0.400	-0.100	-0.300

TITLE = CASE 14   DATE 88/10/21   TIME 15:41:36

CH. INDEX		141 T= 73	142 T= 74	143 T= 75	144 T= 81	145 T= 82	146 T= 83	147 T= 86	148 T= 91	149 T= 92	150 T= 93
INITIAL		20.400	20.200	20.200	20.100	20.300	20.200	20.200	20.200	20.300	20.300
FINAL		20.100	19.900	19.900	20.400	20.200	20.000	19.900	20.200	20.200	20.000
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 5	-0.100	0.100	0.0	0.0	0.100	0.100	0.0	0.0	0.0	0.0
3	0: 8	0.0	0.100	0.0	0.100	0.100	0.100	0.0	0.100	0.100	0.100
4	0: 6	-0.200	0.100	0.0	0.100	0.100	0.200	0.0	0.100	0.100	0.100
5	0: 9	-0.100	0.0	0.0	0.100	0.100	0.100	0.0	0.100	0.100	0.0
6	0:30	0.100	0.100	0.100	0.100	0.100	0.100	0.0	0.100	0.100	0.0
7	1: 0	0.100	0.200	0.100	0.100	0.100	0.200	0.0	0.100	0.100	0.100
8	1:30	1.700	2.000	1.300	4.400	1.100	1.800	0.700	1.400	2.900	1.600
9	2: 0	7.200	4.700	5.200	4.200	7.030	5.900	5.100	5.100	7.500	5.100
10	2:30	8.600	6.100	4.000	10.200	8.200	6.400	7.900	7.100	8.000	6.900
11	3: 0	9.800	7.200	6.800	10.800	9.900	7.100	6.100	8.200	9.000	8.100
12	3:30	10.400	7.800	6.600	11.700	9.900	7.200	6.500	9.800	10.700	9.000
13	4: 0	9.600	7.000	5.700	12.400	9.600	7.500	6.700	9.700	11.200	9.500
14	4:30	10.900	7.400	5.700	11.800	11.900	9.900	8.100	11.000	12.400	9.900
15	5: 0	10.800	7.700	5.900	13.400	12.300	10.200	8.400	11.500	13.000	10.400
16	5:30	12.400	8.500	4.800	14.800	12.700	10.200	8.700	11.900	13.000	10.400
17	6: 0	12.400	8.500	6.900	14.400	13.600	11.100	8.400	11.100	14.000	10.900
18	6:30	13.700	9.400	6.800	15.900	14.000	11.200	8.800	13.600	14.700	11.800
19	7: 0	12.800	9.200	6.400	16.700	14.400	11.700	7.600	14.200	15.100	12.300
20	7:30	13.700	9.800	5.100	15.700	15.100	12.200	7.500	14.200	14.900	11.800
21	8: 0	14.700	10.600	5.400	16.700	15.800	11.900	6.900	14.600	15.400	17.400
22	8:30	14.900	10.700	6.400	17.900	15.900	12.000	8.700	15.400	14.000	13.400
23	9: 0	15.600	11.500	6.100	18.100	16.000	12.200	6.800	15.800	16.300	12.900
24	9:30	16.100	12.000	6.300	18.200	15.800	11.800	8.800	16.100	16.900	14.800
25	10: 0	16.900	12.100	6.100	18.600	16.600	12.700	8.800	16.200	17.200	14.300
26	10:30	16.800	11.400	5.800	18.400	16.400	12.400	8.900	15.400	17.100	14.800
27	11: 0	17.200	12.500	6.400	18.900	16.400	11.900	6.700	16.800	17.200	14.600
28	11:30	17.400	12.500	6.400	19.700	17.000	12.300	8.700	16.700	18.100	15.700
29	12: 0	16.300	11.400	6.900	18.900	16.700	13.400	7.300	16.900	17.900	15.700
30	12:30	17.300	12.400	6.300	18.900	16.800	11.900	6.800	16.900	18.900	15.800
31	13: 0	17.900	11.900	6.200	20.900	17.100	12.200	7.100	17.900	18.000	16.000
32	13:30	18.100	12.900	7.100	20.200	17.000	12.200	6.500	17.600	18.400	15.700
33	14: 0	18.100	12.600	8.400	19.800	17.700	13.100	7.000	17.400	18.700	15.700
34	14:30	17.900	11.900	8.000	20.300	17.400	12.100	6.400	17.600	18.800	15.800
35	15: 0	18.100	11.900	6.600	20.400	17.100	12.400	6.900	17.600	18.600	15.800
36	15:30	18.100	11.900	6.000	20.800	16.000	13.100	7.000	18.000	19.700	16.400
37	16: 0	17.400	11.100	6.400	20.100	17.000	12.100	6.800	17.800	19.200	16.300
38	16:30	18.000	10.800	6.100	19.000	16.900	12.800	7.300	17.300	18.100	15.100
39	17: 0	13.700	9.700	5.700	18.000	16.100	12.800	7.000	16.800	16.900	14.300
40	17:30	12.900	7.400	6.000	15.900	15.100	12.300	7.400	15.900	15.600	12.900
41	18: 0	11.800	8.000	6.700	16.900	13.900	10.800	7.400	14.400	14.400	12.100
42	18:30	10.800	7.400	4.400	15.100	11.900	9.100	6.000	13.600	13.400	11.400
43	19: 0	8.600	6.100	1.900	10.800	10.900	7.900	5.400	12.000	11.200	8.900
44	19:30	6.700	4.900	5.000	9.000	9.000	6.500	4.400	10.400	9.600	8.000
45	20:30	-0.300	-0.300	-0.300	0.100	-0.100	-0.200	-0.300	0.0	-0.100	-0.300

TITLE = CASE 14   DATE 88/10/21   TIME 15:41:36

CH. INDEX		151 T= 94	152 T= 95	153 T=101	154 T=102	155 T=105	156 T=106	157 T=111	158 T=112	159 T=113	160 T=114
INITIAL		20.200	20.100	20.100	20.200	20.200	20.100	20.900	20.100	20.100	20.100
FINAL		20.000	19.900	20.100	20.100	19.900	19.900	20.100	20.000	19.900	19.800
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 5	0.100	0.0	0.0	0.100	-0.100	0.0	0.0	0.0	0.0	0.0
3	0: 8	0.100	0.0	0.100	0.100	0.0	0.0	0.100	0.0	0.100	0.0
4	0: 6	0.100	0.0	0.100	0.100	0.0	0.0	0.0	0.0	0.100	0.0
5	0: 9	0.100	0.0	0.100	0.100	0.0	0.0	0.100	0.0	0.100	0.0
6	0:30	0.100	0.0	0.100	0.100	0.0	0.0	0.100	0.0	0.100	0.0
7	1: 0	0.100	0.0	0.100	0.100	0.0	0.0	0.0	0.0	0.100	0.0
8	1:30	0.700	0.100	1.200	0.800	0.300	0.100	0.100	0.0	0.100	0.0
9	2: 0	3.100	1.700	5.400	4.400	2.800	1.400	5.800	2.000	2.700	1.100
10	2:30	4.900	2.900	7.300	6.700	5.100	3.100	7.100	4.600	4.700	3.600
11	3: 0	5.700	5.200	7.400	8.200	6.500	4.200	6.000	6.000	6.200	4.600
12	3:30	6.600	4.000	8.900	9.200	7.400	5.200	8.800	7.100	8.900	5.500
13	4: 0	7.300	4.000	9.700	9.500	7.400	5.100	8.800	7.900	7.200	5.400
14	4:30	7.800	3.900	10.600	9.500	7.400	6.400	9.200	8.300	8.000	6.000
15	5: 0	7.600	4.000	11.400	10.700	6.400	5.000	10.500	9.500	8.600	6.700
16	5:30	7.800	4.400	11.400	11.100	6.800	5.400	10.900	9.800	9.100	7.500
17	6: 0	7.700	4.400	12.500	12.100	9.700	6.100	11.200	10.100	9.900	7.600
18	6:30	8.900	4.400	12.400	12.500	10.100	6.000	11.800	10.400	9.700	7.800
19	7: 0	8.500	4.500	13.400	11.300	10.500	6.800	12.200	11.300	10.100	7.600
20	7:30	7.700	4.300	13.300	13.700	10.400	7.400	12.900	11.400	10.700	8.900
21	8: 0	8.900	4.400	13.600	13.100	13.800	7.200	12.900	11.900	10.700	7.800
22	8:30	10.800	5.400	14.300	13.700	11.200	7.700	12.900	12.100	10.900	8.100
23	9: 0	9.900	5.100	14.400	14.100	11.400	9.700	13.800	12.400	11.100	8.700
24	9:30	10.500	5.100	15.300	14.400	11.400	7.900	13.700	12.900	11.500	9.900
25	10: 0	10.500	5.500	15.500	14.700	11.700	7.700	13.900	13.500	12.800	9.400
26	10:30	10.500	5.400	15.400	14.900	12.100	8.100	14.200	13.700	12.400	9.700
27	11: 0	10.800	5.400	15.700	15.100	12.400	7.800	14.100	13.700	11.900	9.300
28	11:30	12.000	5.900	16.200	14.800	11.700	7.100	14.100	13.900	12.500	10.000
29	12: 0	11.500	5.800	16.200	15.100	12.200	7.500	14.800	14.600	13.700	10.400
30	12:30	11.200	5.700	16.100	15.500	12.000	7.800	15.000	14.100	12.500	9.700
31	13: 0	15.200	6.200	16.700	15.600	11.400	6.800	14.800	14.300	12.900	9.900
32	13:30	12.200	6.200	17.000	15.200	11.400	6.700	15.100	14.800	13.600	10.400
33	14: 0	11.900	6.700	16.800	15.400	12.500	7.400	15.200	14.900	13.800	10.600
34	14:30	12.100	5.400	17.200	15.400	12.200	7.000	15.100	14.900	13.800	10.800
35	15: 0	11.900	5.800	16.400	15.900	11.900	6.700	15.400	15.000	13.700	10.100
36	15:30	11.000	6.200	17.200	15.200	11.900	6.900	15.100	15.000	13.800	10.600
37	16: 0	12.400	6.100	17.500	15.400	12.100	6.000	15.000	15.300	13.600	10.400
38	16:30	11.700	6.100	16.900	15.700	12.100	6.700	15.400	15.300	13.800	10.800
39	17: 0	10.800	5.500	16.100	15.600	11.900	7.400	15.400	15.000	13.600	10.100
40	17:30	8.900	5.000	14.900	14.400	11.100	7.200	14.000	14.200	12.000	9.100
41	18: 0	8.800	5.100	15.700	15.400	10.400	7.000	15.900	13.300	11.100	8.500
42	18:30	8.100	4.900	12.900	12.500	8.500	5.900	12.100	12.400	11.700	8.800
43	19: 0	8.500	4.000	11.200	10.900	7.800	5.300	10.000	11.400	9.400	7.900
44	19:30	8.000	3.900	9.500	9.300	6.000	5.000	9.100	10.700	8.300	6.700
45	20:30	-0.200	-0.200	0.0	-0.100	-0.300	-0.200	0.100	-0.100	-0.200	-0.300

TITLE = CASE 14   DATE 88/10/21   TIME 15:41:36

CH. INDEX		161 T=115	162 T=121	163 T=122	164 T=123	165 T=124	166 T=131	167 T=132	168 T=133	169 T=134	170 T=135
INITIAL		20.000	19.900	20.100	20.100	20.000	19.800	19.900	20.000	20.000	19.800
FINAL		19.800	19.900	20.000	19.900	19.700	19.900	19.900	19.900	19.700	19.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0: 8	0.0	-0.100	0.0	0.0	0.0	-0.100	0.0	0.0	-0.100	0.0
4	0: 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0: 9	0.0	0.0	0.0	0.100	0.100	0.0	0.100	0.0	0.0	0.0
6	0:30	0.0	-0.100	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	1: 0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	1:30	0.0	-0.100	0.0	0.0	0.0	-0.100	0.0	0.0	0.0	0.0
9	2: 0	0.400	0.400	0.800	0.500	0.100	-0.100	0.0	0.0	0.0	0.0
10	2:30	1.800	3.000	4.000	2.400	1.600	3.000	3.000	2.400	1.400	0.500
11	3: 0	2.800	4.700	5.300	4.400	3.200	4.500	4.200	4.300	3.300	1.700
12	3:30	4.200	5.700	6.700	5.700	4.200	4.500	6.300	5.500	4.900	2.700
13	4: 0	3.500	6.700	7.800	6.500	5.300	7.100	7.100	6.200	5.100	3.200
14	4:30	5.700	7.200	7.400	6.800	5.200	7.400	7.300	6.800	5.300	3.400
15	5: 0	4.800	7.700	8.300	6.800	6.900	7.900	7.800	6.500	5.400	3.500
16	5:30	4.200	8.400	8.900	7.100	5.900	8.900	8.800	7.500	6.100	3.900
17	6: 0	4.500	8.700	9.300	7.500	5.800	9.100	9.000	7.800	6.500	4.300
18	6:30	3.900	9.100	10.800	8.200	6.200	9.500	9.100	8.100	6.900	4.800
19	7: 0	4.300	9.800	10.500	8.000	6.800	10.000	9.800	8.300	6.800	4.300
20	7:30	4.100	10.400	10.900	9.100	6.800	10.000	10.200	8.700	7.100	4.400
21	8: 0	4.100	10.400	10.900	9.100	7.100	10.700	10.400	9.000	7.300	4.400
22	8:30	4.900	10.800	11.000	9.500	7.400	10.700	10.300	8.900	7.300	4.500
23	9: 0	4.700	11.200	11.400	9.400	7.700	10.900	10.700	9.200	7.600	4.700
24	9:30	4.900	11.900	12.100	10.200	8.200	11.400	11.200	9.800	7.800	4.800
25	10: 0	5.100	11.800	12.200	10.200	7.300	11.500	11.400	9.800	8.100	5.100
26	10:30	5.200	12.100	12.400	10.100	7.100	11.900	11.900	10.500	8.500	5.400
27	11: 0	5.800	12.300	12.800	10.400	7.100	12.300	12.200	10.400	8.900	5.400
28	11:30	5.400	12.400	12.400	10.300	7.300	12.000	12.100	10.800	8.400	5.100
29	12: 0	5.700	12.800	13.000	10.400	6.700	12.800	12.500	10.800	9.200	5.700
30	12:30	5.500	12.900	13.100	10.400	6.500	12.700	12.800	11.300	9.100	5.700
31	13: 0	5.400	12.900	12.800	10.400	7.500	12.400	12.500	10.800	8.900	5.400
32	13:30	5.400	13.000	13.100	10.700	7.200	12.400	12.500	10.900	9.100	5.700
33	14: 0	6.600	13.300	13.500	10.800	7.400	13.200	12.900	11.100	9.300	5.700
34	14:30	7.000	13.500	13.400	11.100	7.400	13.100	13.200	11.700	9.700	6.200
35	15: 0	6.800	13.500	13.700	10.700	7.100	11.700	13.200	11.700	9.400	6.200
36	15:30	6.400	13.500	13.900	11.100	7.800	11.200	13.000	11.300	9.000	5.800
37	16: 0	6.100	13.400	14.000	11.400	7.400	13.400	13.100	11.200	9.400	5.900
38	16:30	6.100	13.800	14.100	11.600	6.900	13.700	13.400	11.900	9.300	5.800
39	17: 0	6.300	13.900	13.700	11.500	6.600	13.700	13.500	11.600	9.400	5.900
40	17:30	5.700	13.400	13.100	10.700	7.300	13.200	13.100	11.400	9.300	5.900
41	18: 0	5.800	12.700	12.300	10.400	7.400	12.300	12.300	10.400	8.900	5.400
42	18:30	5.200	11.700	11.500	9.100	7.500	11.300	11.400	9.900	8.000	4.800
43	19: 0	4.900	11.100	10.700	8.700	6.900	10.400	10.800	9.500	7.000	4.000
44	19:30	4.000	10.200	9.500	7.700	5.900	9.400	10.000	8.400	6.800	4.500
45	20:30	-0.200	0.0	-0.100	-0.400	-0.300	0.100	0.0	-0.100	-0.300	-0.200

TITLE = CASE 14   DATE 88/10/21   TIME 15:41:36

CH. INDEX		201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31	208 S= 32	209 S= 33	210 S= 34
INITIAL		0.157	0.160	0.161	0.155	0.164	0.165	0.160	0.161	0.157	0.155
FINAL		0.154	0.156	0.158	0.157	0.166	0.161	0.155	0.150	0.154	0.156
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.030	100.000	100.000	100.000	100.000	100.000
2	0: 5	100.024	99.889	99.808	100.039	100.012	99.986	100.000	99.963	100.006	99.003
3	0: 8	100.019	99.808	99.609	100.019	99.988	99.965	99.975	99.987	99.981	99.865
4	0: 6	100.013	99.919	99.832	100.026	99.976	99.975	99.975	99.919	99.975	99.961
5	0: 9	99.807	99.956	99.863	100.015	99.970	99.975	99.900	99.851	100.075	100.019
6	0:30	99.865	99.116	98.716	99.820	99.701	99.768	99.100	98.509	99.745	99.013
7	1: 0	99.480	93.392	98.690	98.705	98.108	98.581	88.031	90.016	99.508	98.370
8	1:30	95.024	92.281	88.836	92.500	93.788	97.017	87.509	88.912	93.382	98.179
9	2: 0	92.861	95.853	90.058	96.960	96.057	98.217	85.080	92.057	98.751	98.906
10	2:30	98.173	98.158	93.119	88.688	96.190	95.789	89.133	97.510	95.306	97.808
11	3: 0	96.637	95.800	92.169	98.165	95.216	97.786	91.503	94.206	94.769	97.598
12	3:30	95.305	95.936	92.579	98.188	96.868	97.959	90.358	97.958	98.128	97.701
13	4: 0	95.206	98.508	94.876	97.266	97.665	97.970	92.977	98.708	96.371	98.500
14	4:30	95.400	95.129	93.832	97.868	97.662	98.677	96.080	96.968	97.101	98.976
15	5: 0	87.784	92.909	88.788	93.950	96.365	97.150	88.089	90.779	95.650	98.796
16	5:30	92.286	93.965	90.018	95.196	95.858	97.506	87.817	87.087	90.569	98.651
17	6: 0	95.722	96.862	91.027	98.165	96.908	97.607	88.883	92.479	94.800	97.395
18	6:30	96.059	96.331	89.516	95.916	97.617	98.575	91.721	91.905	95.607	99.003
19	7: 0	96.981	96.767	91.025	96.217	95.867	97.855	97.609	93.669	96.196	96.817
20	7:30	96.076	96.576	90.039	95.856	96.519	98.167	95.310	95.965	96.776	98.003
21	8: 0	96.909	96.267	91.530	98.679	96.701	98.807	97.077	95.768	95.606	97.959
22	8:30	96.765	96.917	91.716	87.035	87.785	98.392	96.160	96.708	96.056	97.658
23	9: 0	95.126	89.965	85.365	87.875	93.293	96.131	86.026	88.815	91.156	96.766
24	9:30	13.175	92.313	89.886	86.956	95.300	97.250	85.800	89.603	97.701	96.883
25	10: 0	91.800	99.107	96.185	96.866	96.793	97.986	89.616	90.576	95.567	96.683
26	10:30	91.116	91.517	87.106	96.110	96.881	97.775	90.252	90.771	97.956	96.129
27	11: 0	93.186	92.800	90.208	80.867	96.133	97.766	98.899	91.669	91.656	97.009
28	11:30	91.857	91.691	87.821	91.868	96.017	96.356	90.807	92.051	96.591	96.372
29	12: 0	95.155	93.108	91.669	96.556	91.055	97.957	96.266	93.808	95.908	96.921
30	12:30	96.956	96.167	95.826	97.169	97.806	98.760	98.888	96.392	97.676	97.656
31	13: 0	96.967	96.124	76.858	97.286	97.871	98.888	95.756	96.808	96.180	97.817
32	13:30	96.781	93.813	95.777	97.266	97.861	98.822	99.737	96.806	96.069	97.667
33	14: 0	96.872	95.815	96.095	97.119	96.926	98.828	99.875	96.850	98.129	97.637
34	14:30	98.394	91.216	92.926	96.872	96.880	98.508	93.757	96.177	97.563	97.308
35	15: 0	96.176	92.971	92.914	96.852	96.856	98.338	99.919	96.208	97.966	97.167
36	15:30	96.096	92.391	72.380	96.867	96.862	98.716	99.731	99.656	97.386	96.915
37	16: 0	96.272	93.071	93.870	96.861	96.979	98.666	100.613	96.507	97.669	96.997
38	16:30	99.794	92.989	92.939	96.820	96.317	98.267	100.169	96.146	97.960	96.866
39	17: 0	99.976	92.068	92.508	96.302	96.186	96.087	100.096	95.686	97.106	96.568
40	17:30	95.646	91.909	92.029	96.165	96.679	78.607	99.866	95.287	96.888	96.367
41	18: 0	95.276	91.430	91.009	78.616	75.076	97.421	99.757	95.082	96.767	96.955
42	18:30	95.192	91.112	91.662	95.870	95.817	97.775	97.956	96.590	96.808	96.193
43	19: 0	95.121	91.595	92.396	95.811	95.669	97.927	99.619	96.615	96.833	96.316
44	19:30	95.059	91.375	92.098	95.726	95.029	97.860	99.681	96.369	96.786	96.168
45	20:30	96.565	97.387	98.515	95.765	96.818	95.225	95.767	95.226	98.015	99.655

TITLE = CASE 16 DATE 86/10/21 TIME 15:41:36

CH. INDEX		211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 51	217 S= 52	218 S= 53	219 S= 54	220 S= 55
INITIAL		0.159	0.156	0.151	0.162	0.163	0.156	0.158	0.153	0.156	0.159
FINAL		0.156	0.153	0.149	0.161	0.161	0.164	0.150	0.149	0.150	0.159
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	99.996	99.896	99.891	99.961	99.902	100.013	100.038	100.015	100.019	99.868
3	0: 0	100.004	99.983	99.883	99.961	99.902	100.032	100.051	100.020	100.006	99.817
4	0: 0	99.937	99.968	100.000	100.000	99.975	100.019	100.019	100.020	99.976	99.868
5	0: 0	100.025	100.013	99.987	99.996	99.908	99.878	99.956	99.993	99.880	99.918
6	0:30	99.869	99.916	99.967	99.963	99.676	99.737	99.918	99.961	99.609	99.670
7	1: 0	97.845	95.796	97.565	98.209	98.857	96.707	99.819	99.119	99.603	99.166
8	1:30	96.262	86.569	92.166	92.786	95.287	88.291	89.668	97.951	96.736	96.531
9	2: 0	98.909	88.662	92.856	96.669	97.567	86.591	89.379	92.101	95.567	96.668
10	2:30	97.366	93.180	95.611	95.503	95.666	93.906	92.171	95.975	96.211	96.607
11	3: 0	97.795	98.369	96.285	95.601	96.667	92.816	95.608	96.093	96.510	96.728
12	3:30	98.451	91.831	95.666	96.052	97.181	93.770	99.606	96.796	96.531	96.979
13	4: 0	98.275	92.740	95.212	98.663	97.178	93.957	95.019	96.686	96.259	96.802
14	4:30	98.997	96.902	90.099	90.662	97.662	96.315	96.896	98.060	97.356	97.365
15	5: 0	99.968	92.385	98.630	97.296	96.969	92.820	96.892	98.801	96.356	96.236
16	5:30	95.605	87.071	93.189	95.166	95.760	89.138	90.027	91.562	96.960	96.661
17	6: 0	97.506	91.012	96.238	95.630	96.666	91.065	92.266	96.151	96.617	95.269
18	6:30	97.261	93.097	95.281	96.711	96.760	96.771	95.222	95.661	95.965	96.668
19	7: 0	97.000	95.331	98.960	97.109	96.667	96.662	96.677	95.778	96.170	95.761
20	7:30	98.616	95.831	95.205	97.350	96.666	95.613	95.686	96.178	95.956	95.699
21	8: 0	97.366	93.701	98.113	97.288	96.677	96.061	96.106	96.965	95.578	95.650
22	8:30	97.026	96.076	98.186	97.912	97.665	96.886	96.651	95.869	96.051	96.830
23	9: 0	95.610	90.266	98.172	98.668	96.791	96.367	95.929	96.675	96.016	96.967
24	9:30	98.059	81.266	89.896	96.928	95.210	88.558	87.019	90.916	92.965	96.052
25	10: 0	98.990	89.196	96.119	97.835	96.555	97.121	91.682	93.353	95.697	96.802
26	10:30	98.709	89.715	95.272	95.556	95.560	92.977	95.296	96.609	93.978	95.966
27	11: 0	98.453	89.906	93.633	95.681	96.791	91.926	95.566	96.969	95.708	95.208
28	11:30	97.027	88.895	93.056	95.336	95.812	96.961	93.738	96.606	95.760	95.668
29	12: 0	98.711	90.628	96.628	97.523	96.671	96.666	93.780	96.166	95.165	96.575
30	12:30	99.012	95.766	95.570	97.167	97.266	97.889	96.636	90.608	97.212	95.982
31	13: 0	90.075	96.125	98.836	96.366	97.868	100.263	98.281	97.856	98.166	97.017
32	13:30	97.069	95.856	98.702	98.233	97.596	100.295	99.567	97.915	98.165	96.962
33	14: 0	90.175	95.662	98.510	96.171	97.967	100.116	98.601	97.738	98.669	97.195
34	14:30	97.506	95.660	96.371	98.066	97.565	100.071	98.156	97.581	97.652	95.913
35	15: 0	97.515	95.235	96.212	97.968	97.366	100.071	97.976	97.657	97.670	96.883
36	15:30	97.613	95.006	98.011	97.961	97.276	100.321	97.999	97.152	97.658	95.591
37	16: 0	97.618	96.876	95.921	97.656	97.732	100.991	98.071	97.308	95.360	96.799
38	16:30	97.559	96.681	95.702	97.760	97.660	100.969	98.001	97.168	98.609	96.386
39	17: 0	97.509	96.676	95.616	97.665	97.715	100.558	97.992	96.985	97.581	95.768
40	17:30	97.216	96.350	95.618	97.577	97.896	100.621	97.761	96.816	97.368	95.509
41	18: 0	97.115	96.260	95.366	97.515	96.980	100.266	97.621	96.775	97.258	95.696
42	18:30	96.966	96.123	99.189	97.630	96.716	100.115	97.557	96.666	96.662	95.017
43	19: 0	97.303	96.071	95.066	97.605	97.125	100.250	97.512	96.578	97.613	95.826
44	19:30	97.260	95.908	96.916	97.366	97.065	99.917	97.259	96.608	97.639	95.705
45	20:30	99.097	99.110	98.930	96.296	90.955	97.511	99.108	97.870	96.978	97.570

TITLE = CASE 16 DATE 86/10/21 TIME 15:41:36

CH. INDEX		221 S= 61	222 S= 62	223 S= 63	224 S= 71	225 S= 72	226 S= 81	227 S= 82	228 S= 83	229 S= 91	230 S= 92
INITIAL		0.153	0.156	0.198	0.153	0.157	0.166	0.157	0.158	0.168	0.166
FINAL		0.145	0.151	0.198	0.166	0.156	0.160	0.156	0.157	0.166	0.163
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	99.961	100.006	100.066	99.987	99.975	99.966	99.996	99.907	99.971	99.990
3	0: 0	99.983	100.026	100.057	99.221	100.000	99.973	99.996	99.996	99.959	100.000
4	0: 0	99.976	100.000	100.037	99.956	100.006	99.965	100.006	100.000	99.951	100.006
5	0: 0	99.961	99.987	100.019	99.956	100.025	99.965	100.019	99.996	99.951	100.012
6	0:30	99.070	99.987	100.066	99.810	99.996	99.931	99.996	99.967	99.955	100.006
7	1: 0	99.061	95.686	100.029	99.299	100.065	96.977	100.032	100.019	99.865	99.007
8	1:30	96.161	96.156	99.077	99.039	97.929	97.300	99.051	100.007	99.366	99.665
9	2: 0	96.652	92.456	97.000	89.900	90.925	92.076	95.256	97.719	95.666	97.071
10	2:30	96.296	96.382	98.356	91.020	93.292	96.796	93.299	96.910	89.956	93.089
11	3: 0	96.856	96.756	98.689	95.177	95.758	95.866	96.690	97.893	95.601	95.167
12	3:30	96.973	95.512	98.539	91.767	96.162	95.666	97.287	98.267	96.609	96.575
13	4: 0	96.660	96.025	98.615	93.905	96.161	95.296	97.367	97.922	96.616	96.373
14	4:30	96.393	96.850	98.786	96.763	96.583	95.751	96.125	98.206	96.819	96.965
15	5: 0	97.662	97.661	98.088	96.606	93.536	96.753	97.867	99.105	95.291	96.626
16	5:30	93.062	95.161	97.099	93.628	95.719	96.176	97.657	98.957	96.876	97.737
17	6: 0	97.765	91.960	97.668	89.258	95.566	92.026	95.975	97.135	97.666	96.528
18	6:30	95.506	95.651	97.856	92.961	95.165	95.617	93.809	98.066	92.558	97.555
19	7: 0	96.617	96.756	98.667	96.079	96.761	95.527	96.066	99.079	96.607	95.132
20	7:30	96.156	96.128	96.605	95.977	96.616	96.166	96.217	98.669	95.080	96.396
21	8: 0	97.261	96.961	98.519	95.565	97.069	96.166	96.828	98.001	95.221	96.722
22	8:30	97.229	96.623	98.756	95.625	97.156	96.128	96.961	99.065	95.698	96.135
23	9: 0	96.937	97.162	98.065	95.578	97.006	96.186	96.361	99.156	95.978	96.150
24	9:30	92.160	93.278	97.567	92.753	96.720	95.699	96.607	99.192	95.277	96.970
25	10: 0	97.607	96.165	97.926	86.197	91.177	89.610	91.608	97.676	90.278	97.331
26	10:30	95.627	95.621	96.059	97.161	95.261	93.161	96.268	97.606	91.317	93.132
27	11: 0	95.666	95.517	97.691	97.627	96.290	93.672	95.159	98.666	92.956	96.209
28	11:30	96.096	95.525	98.175	97.965	95.052	96.760	96.956	97.657	95.557	95.596
29	12: 0	96.068	95.608	98.266	91.556	96.665	96.196	95.567	97.307	96.157	95.766
30	12:30	97.656	96.753	96.181	93.963	96.297	93.992	96.967	98.757	93.356	96.673
31	13: 0	96.965	97.760	98.637	96.197	97.962	96.726	96.675	99.065	95.707	95.077
32	13:30	95.369	98.661	98.681	97.669	99.195	96.213	97.803	99.566	97.621	97.661
33	14: 0	99.153	97.961	98.618	97.600	99.153	90.150	97.878	99.571	97.695	98.708
34	14:30	70.976	97.709	98.721	97.778	99.990	96.055	97.720	98.516	97.672	98.076
35	15: 0	96.626	97.910	98.665	97.700	99.930	97.952	97.566	99.665	97.958	97.063
36	15:30	96.786	97.669	98.653	97.605	96.755	97.787	97.627	99.613	97.616	97.661
37	16: 0	96.626	97.566	98.586	97.762	96.776	97.601	97.518	99.567	97.389	97.762
38	16:30	96.760	97.665	98.527	97.569	70.655	97.605	97.159	99.519	97.567	97.658
39	17: 0	98.592	97.370	98.690	97.611	92.558	97.550	97.006	99.255	97.261	97.560
40	17:30	96.606	97.220	99.626	97.519	92.950	97.606	96.868	99.211	97.107	97.656
41	18: 0	90.271	97.162	98.362	97.003	98.555	97.127	96.720	99.166	97.011	97.566
42	18:30	99.213	97.090	98.517	97.123	98.266	97.219	96.567	99.177	96.897	97.260
43	19: 0	98.057	96.980	98.262	97.011	98.756	97.130	96.666	99.091	96.870	97.199
44	19:30	97.709	96.689	99.211	98.992	90.197	97.066	96.293	99.060	96.775	97.166
45	20:30	96.766	98.006	99.878	95.996	95.096	95.072	99.280	99.027	97.620	99.617

TITLE = CASE 16 DATE 86/10/21 TIME 15:41:36

CH. INDEX		231 S=101	232 S=102	233 S=103	234 S=111	235 S=112	236 S=121	237 S=122	238 S=123	239 S=131	240 S=132
INITIAL		0.156	0.162	0.150	0.152	0.165	0.133	0.149	0.166	0.153	0.156
FINAL		0.156	0.162	0.159	0.150	0.165	0.130	0.168	0.166	0.151	0.153
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	100.006	100.012	99.996	100.007	100.000	99.912	100.000	99.970	100.015	100.000
3	0: 0	100.000	100.006	100.000	100.007	99.996	99.955	100.000	99.987	100.007	100.000
4	0: 0	100.006	100.006	99.996	100.037	99.966	99.902	100.007	99.982	100.019	100.006
5	0: 0	100.000	100.006	99.981	100.720	99.996	100.000	100.007	100.006	100.020	100.006
6	0:30	100.000	100.018	100.006	100.620	99.996	99.857	100.067	99.965	100.029	100.006
7	1: 0	100.056	100.017	99.907	100.026	100.000	100.421	100.013	100.195	100.026	100.013
8	1:30	99.710	99.962	99.987	100.019	100.006	100.513	100.017	100.250	100.033	100.019
9	2: 0	95.689	98.906	99.682	97.562	99.619	100.268	100.013	100.166	100.026	100.019
10	2:30	96.616	96.676	97.266	91.956	97.662	99.686	99.691	99.963	99.123	99.662
11	3: 0	93.608	95.531	97.669	87.787	96.756	86.698	99.059	98.186	97.158	97.869
12	3:30	96.720	96.535	97.697	91.919	96.356	91.191	99.256	97.908	96.065	98.191
13	4: 0	95.066	97.396	98.678	93.605	97.328	92.668	99.667	98.389	97.665	97.356
14	4:30	95.696	97.670	98.171	96.162	97.765	93.209	99.502	98.818	97.666	97.698
15	5: 0	95.299	97.981	98.672	96.785	97.306	92.861	99.561	98.659	98.015	97.333
16	5:30	97.552	96.276	98.965	95.112	97.721	93.111	99.569	98.979	97.678	97.666
17	6: 0	96.620	96.510	99.226	96.655	97.072	96.063	99.666	99.265	98.586	98.319
18	6:30	90.230	96.097	96.796	91.566	95.661	91.819	99.620	98.636	98.310	98.256
19	7: 0	91.967	96.005	96.055	91.177	96.156	88.635	99.025	97.669	96.608	96.652
20	7:30	95.570	97.310	98.516	93.969	97.668	90.366	99.231	98.623	96.618	96.105
21	8: 0	95.052	97.516	98.572	96.076	97.098	93.156	99.620	98.666	97.636	97.606
22	8:30	98.609	96.967	98.282	95.265	97.563	93.672	99.309	98.727	97.376	97.729
23	9: 0	95.992	97.082	96.120	95.169	97.176	91.366	99.381	98.776	97.813	97.826
24	9:30	95.025	96.672	98.760	95.552	97.108	93.171	99.276	98.661	97.695	97.701
25	10: 0	91.065	96.096	98.238	96.005	96.038	92.565	99.207	98.851	97.761	97.619
26	10:30	88.660	93.020	97.219	90.050	96.002	89.655	98.931	98.125	97.557	97.515
27	11: 0	93.226	95.696	98.062	90.307	96.361	82.379	98.668	97.859	96.879	96.822
28	11:30	91.097	95.256	98.076	91.695	95.665	86.107	98.760	98.259	95.770	96.991
29	12: 0	96.001	95.755	98.163	93.102	96.969	88.663	98.665	98.119	96.539	96.223
30	12:30	93.669	95.256	97.916	93.656	96.233	90.309	98.669	98.108	96.567	96.502
31	13: 0	96.690	95.966	98.619	93.226	95.665	88.959	98.662	97.073	96.608	96.296
32	13:30	96.295	96.810	90.692	96.076	96.961	90.955	98.620	98.271	96.697	96.668
33	14: 0	97.868	97.867	99.058	96.226	97.727	96.736	98.776	98.507	97.309	97.516
34	14:30	97.805	97.556	99.960	90.975	97.939	95.821	98.610	98.758	98.062	98.060
35	15: 0	97.716	97.666	98.071	98.989	97.872	95.619	98.709	98.776	98.167	98.190
36	15:30	97.576	97.555	98.626	98.685	97.741	95.265	99.601	98.675	98.077	98.215
37	16: 0	97.696	97.199	98.908	98.752	97.702	95.725	98.561	98.857	97.950	98.166
38	16:30	97.356	97.090	98.870	98.635	97.698	95.605	98.660	98.861	97.832	98.066
39	17: 0	97.251	96.978	98.811	98.669	97.519	96.937	98.566	98.696	97.761	97.969
40	17:30	97.132	96.661	98.729	98.527	97.616	96.891	99.238	98.690	97.662	97.911
41	18: 0	97.018	96.738	98.726	98.676	97.368	96.508	99.117	98.309	97.551	97.766
42	18:30	96.996	96.611	98.709	98.597	97.765	96.508	98.050	98.317	97.600	97.742
43	19: 0	96.870	96.528	98.691	98.325	97.291	96.851	97.967	98.611	97.102	97.677
44	19:30	96.726	96.668	98.669	98.726	97.178	96.671	97.075	98.332	97.761	97.612
45	20:30	98.858	99.652	99.811	98.693	96.752	97.668	99.256	99.586	99.109	99.572

TITLE = CASE 16 DATE 86/10/21 TIME 15:41:36

CH. INDEX		250 V= 21	251 V= 22	252 V= 23	253 V= 24	254 V= 25	255 V= 26	256 V= 27	257 V= 28	258 V= 29	259 V= 31
INITIAL		0.119	0.114	0.107	0.116	0.116	0.118	0.130	0.129	0.121	0.099
FINAL		0.112	0.122	0.126	0.119	0.117	0.116	0.116	0.112	0.109	0.059
LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	0: 0	1.865	1.980	1.869	1.963	2.006	2.026	2.239	2.117	2.088	1.696
2	0: 0	1.919	1.795	1.902	1.966	2.011	1.901	2.095	2.011	1.935	1.066
3	0: 0	2.035	2.009	1.820	1.605	2.000	1.969	2.089	2.061	1.915	1.619
4	0: 0	1.666	1.659	1.866	1.902	1.996	1.906	1.963	1.675	1.916	1.080
5	0: 0	1.765	1.907	2.031	2.001	1.973	1.860	2.055	1.975	1.878	1.679
6	0:30	2.116	2.261	2.093	2.229	2.109	1.892	1.871	1.862	1.775	1.666
7	1: 0	2.098	2.100	2.007	1.966	1.970	1.915	2.210	2.063	2.166	2.561
8	1:30	2.196	2.176	2.151	2.146	2.216	1.965	2.160	2.187	2.256	2.166
9	2: 0	2.197	2.191	2.019	1.916	1.968	1.895	2.092	2.195	2.169	1.869
10	2:30	1.695	1.908	1.961	2.059	2.135	2.162	2.179	2.227	2.196	1.711
11	3: 0	2.100	2.200	1.996	1.906	1.971	1.992	2.135	2.202	2.386	2.152
12	3:30	2.222	2.057	1.975	1.901	1.979	1.961	2.060	2.255	2.255	2.538
13	4: 0	1.928	1.916	1.855	1.969	1.621	1.911	1.935	2.076	2.166	2.165
14	4:30	1.711	1.867	2.095	1.971	1.661	2.000	2.023	2.259	2.205	2.202
15	5: 0	2.165	2.261	2.165	2.055	1.959	1.970	2.165	2.188	1.966	2.006
16	5:30	2.217	2.598	1.966	1.890	2.061	2.070	2.160	2.162	2.081	2.090
17	6: 0	2.096	2.200	2.186	2.122	2.026	2.026	2.260	2.275	2.277	1.956
18	6:30	2.162	2.082	1.981	1.976	1.879	1.975	2.251	2.358	2.601	2.207
19	7: 0	2.296	2.126	2.110	2.010	2.068	1.765	1.792	2.161	2.603	1.888
20	7:30	2.207	2.196	1.997	1.859	1.610	1.665	1.866	2.293	2.580	2.212
21	8: 0	2.126	2.157	2.105	2.160	2.117	1.966	2.056	2.136	2.288	2.012
22	8:30	2.075	2.010	2.120	2.010	2.012	1.967	2.155	2.338	2.303	1.967
23	9: 0	2.166	2.166	2.020	1.967	1.965	2.090	2.155	2.365	2.370	2.018
24	9:30	2.105	2.102	2.097	2.000	1.997	1.991	2.056	2.266	2.255	1.976
25	10: 0	2.199	2.080	1.961	1.925	1.965	2.036	2.150	2.615	2.615	2.031
26	10:30	2.515	2.171	2.078	1.697	1.769	1.877	2.071	2.746	2.276	1.991
27	11: 0	2.623	2.179	2.060	2.002	2.065	2.116	2.219	2.160	2.069	2.566
28	11:30	2.261	2.181	1.976	2.026	2.106	2.126	2.116	2.179	2.307	1.962
29	12: 0	2.366	2.519	2.109	2.065	2.035	2.163	2.160	2.372	2.160	2.172
30	12:30	2.157	2.159	2.015	2.035	2.047	2.152	2.369	2.455	2.151	2.282
31	13: 0	2.236	2.107	2.026	2.062	1.561	2.102	2.267	2.326	2.288	1.868
32	13:30	2.395	1.921	1.887	2.036	2.297	2.200	2.311	2.277	2.055	2.099
33	14: 0	2.276	2.119	1.866	1.068	1.986	2.066	2.627	2.665	2.075	1.797
34	14:30	2.317	2.167	1.852	1.766	1.926	2.065	2.121	2.991	2.350	2.016
35	15: 0	2.131	2.259	2.108	2.035	1.995	2.079	2.652	2.557	2.525	2.078
36	15:30	2.207	2.229	2.062	1.997	1.966	1.975	2.060	2.071	2.171	2.106
37	16: 0	2.367	2.157	2.256	2.260	2.059	2.069	2.162	2.677	2.276	2.107
38	16:30	2.092	2.209	2.179	2.151	2.062	1.965	2.112	2.066	2.171	2.052
39	17: 0	2.096	2.199	2.010	2.117	2.019	2.076	2.199	2.666	2.618	1.906
40	17:30	1.665	2.086	1.929	1.952	1.615	1.786	1.992	2.268	2.519	1.929
41	18: 0	1.796	1.923	1.856	1.921	1.060	1.966	2.165	2.350	2.606	2.075
42	18:30	1.963	2.093	2.098	2.066	2.209	1.916	2.006	2.128	2.097	1.791
43	19: 0	1.799	1.909	1.915	1.932	1.996	1.865	2.106	2.066	2.058	1.916
44	19:30	1.678	1.729	1.770	2.000	2.071	1.986	2.292	2.355	2.052	1.775
45	20:30	1.921	2.098	2.141	2.050	2.016	1.956	1.957	1.926	1.871	1.017

TITLE = CASE 14 DATE 86/10/21 TIME 19: 61:36

CH. INDEX		260 V= 72	261 V= 73	262 V= 74	263 V=121	264 V=122	265 V=123	266 V=124
INITIAL		0.102	0.095	0.086	0.085	0.105	0.106	0.091
FINAL		0.094	0.126	0.086	0.005	0.110	0.107	0.009
LOOP	TIME	(N/S)	(N/S)	(U/S)	(N/S)	(U/S)	(U/S)	(P/S)
1	[illegible]	1.763		1.653	1.655	1.740	1.825	1.962
2	[illegible]	2.046		1.648	1.602	1.605	1.957	1.555
3	[illegible]	2.619		1.510	1.517	1.672	1.859	1.512
4	[illegible]	2.215		1.566	1.645	1.730	1.651	1.970
5	[illegible]	1.762		1.553	1.616	1.678	1.772	1.551
6	[illegible]	1.674		1.529	1.556	1.744	1.790	1.625
7	[illegible]	1.957		1.616	1.766	1.756	1.619	1.612
8	[illegible]	2.045		1.551	1.656	1.656	1.971	1.570
9	[illegible]	1.997		2.066	1.661	2.645	1.797	1.668
10	[illegible]	2.076		1.492	2.298	2.175	2.066	1.690
11	[illegible]	2.272		1.779	1.901	2.296	2.040	1.646
12	[illegible]	2.186		2.057	2.221	2.157	1.970	1.710
13	[illegible]	1.969		1.967	2.169	2.507	2.067	1.810
14	[illegible]	2.059		1.993	2.167	2.227	2.086	1.877
15	[illegible]	2.117		1.959	1.975	2.320	2.055	1.665
16	[illegible]	2.189		1.918	1.935	2.159	1.986	1.668
17	[illegible]	1.904		2.267	1.742	2.206	2.016	1.687
18	[illegible]	2.182		2.055	1.667	2.315	2.116	1.606
19	[illegible]	2.016		1.980	2.086	2.272	2.216	1.657
20	[illegible]	1.990		2.061	1.086	2.270	2.209	1.626
21	[illegible]	2.062		2.190	1.645	2.250	2.272	1.659
22	[illegible]	2.066		2.191	2.076	2.265	2.145	1.729
23	[illegible]	1.981		2.256	2.006	2.057	2.219	1.666
24	[illegible]	1.960		2.066	2.013	2.279	2.110	1.677
25	[illegible]	2.041		2.157	1.995	2.202	2.906	1.910
26	[illegible]	1.984		2.257	1.685	2.300	2.067	1.821
27	[illegible]	2.190		2.093	1.913	2.366	2.292	1.907
28	[illegible]	1.995		1.966	2.076	2.357	2.157	1.807
29	[illegible]	2.157		2.266	2.196	2.376	2.155	1.799
30	[illegible]	2.139		2.205	2.292	2.509	2.172	1.766
31	[illegible]	1.913		2.250	2.115	2.561	2.160	1.779
32	[illegible]	1.957		2.226	2.012	2.575	1.905	1.717
33	[illegible]	2.057		2.166	2.106	2.363	1.683	1.618
34	[illegible]	1.975		1.916	2.035	2.212	1.965	1.676
35	[illegible]	2.160		2.067	1.721	2.323	2.140	1.765
36	[illegible]	2.057		1.933	1.965	2.157	2.030	1.729
37	[illegible]	2.102		1.806	2.267	2.611	2.110	1.692
38	[illegible]	2.125		2.052	1.651	2.246	1.961	1.708
39	[illegible]	2.171		2.067	1.901	2.216	1.930	1.710
40	[illegible]	2.190		1.791	2.360	2.176	2.065	1.651
41	[illegible]	2.155		1.639	1.591	2.169	2.105	1.606
42	[illegible]	1.962		1.965	1.661	2.290	2.250	1.837
43	[illegible]	1.657		1.566	1.601	2.300	2.472	1.875
44	[illegible]	1.969		1.992	1.671	2.161	2.151	1.830
45	[illegible]	1.612		1.679	1.667	1.664	1.869	1.831

実験No.10　TITLE = CASE 15　(B)　DATE 86/10/21　TIME 131 5141

CH. INDEX		101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		18.400	19.000	19.000	19.003	18.900	18.900	18.900	18.900	19.000	18.900
FINAL		20.200	20.700	20.500	20.500	20.400	23.400	20.100	20.400	20.500	20.500
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	0.0
3	01 0	0.0	0.0	-0.100	-0.200	-0.100	-0.100	-0.100	-0.100	-0.100	0.200
4	01 0	0.0	-0.100	-0.100	-0.200	-0.100	-0.100	-0.100	-0.100	-0.100	0.200
5	01 0	0.0	-0.100	-0.100	-0.200	-0.100	-0.100	-0.100	-0.100	-0.100	0.0
6	01 30	1.400	15.800	11.400	8.300	5.000	3.000	2.500	2.000	1.200	9.200
7	11 0	5.500	30.100	29.700	24.900	22.500	16.400	10.400	7.200	3.900	28.100
8	11 30	9.200	35.800	34.200	31.400	26.400	20.300	14.200	10.000	4.400	32.200
9	21 0	7.200	40.400	38.200	35.900	30.900	24.100	19.400	13.800	8.400	35.900
10	21 30	8.500	42.200	38.720	36.500	24.300	25.200	18.400	14.100	9.700	39.800
11	31 0	9.900	49.400	48.400	43.900	38.900	35.000	25.000	19.100	10.400	42.900
12	31 30	10.900	48.000	49.700	47.200	41.200	37.000	28.700	19.800	9.300	45.900
13	41 0	12.500	52.200	51.700	49.400	45.800	40.400	29.800	21.400	19.900	46.300
14	41 30	16.500	56.100	51.600	51.500	47.800	40.500	29.400	21.100	19.800	51.800
15	51 0	15.300	56.800	32.700	50.200	43.100	36.700	29.900	25.400	17.900	50.800
16	51 30	16.100	58.800	55.500	52.500	47.200	41.700	33.700	26.400	11.400	52.500
17	61 0	17.900	60.400	58.200	56.000	49.400	44.000	34.000	26.000	15.800	55.100
18	61 30	17.900	62.700	59.900	55.900	52.200	45.500	34.400	29.300	14.400	56.700
19	71 0	18.000	67.100	62.400	58.500	53.500	44.200	34.700	27.900	15.200	55.800
20	71 30	20.400	67.200	64.300	60.700	56.500	50.100	39.100	28.900	14.400	59.100
21	81 0	19.900	65.000	63.100	58.100	51.700	47.700	39.700	28.900	13.900	59.300
22	81 30	21.500	67.800	66.400	62.400	54.200	51.300	41.100	30.000	13.300	60.400
23	91 0	21.500	69.500	66.700	63.400	55.100	54.200	43.800	36.400	18.400	61.500
24	91 30	21.800	68.000	64.800	61.400	57.000	51.000	44.300	33.400	16.400	61.200
25	101 0	22.300	67.000	69.100	64.400	53.400	54.400	41.400	31.100	14.000	60.700
26	101 30	25.100	68.800	68.700	65.700	57.500	51.100	37.400	26.500	16.100	62.500
27	111 0	24.800	72.900	70.800	68.400	61.400	55.400	40.400	25.500	13.000	63.400
28	111 30	26.700	72.900	76.100	67.100	61.700	56.800	44.900	27.700	13.100	64.400
29	121 0	25.700	76.100	72.400	66.100	62.700	55.400	40.800	29.400	10.700	67.400
30	121 30	27.200	73.800	72.100	68.100	64.100	58.400	45.100	31.200	10.500	67.200
31	131 0	27.900	74.900	72.409	68.800	64.205	59.990	40.700	29.500	15.700	66.700
32	131 30	27.900	78.500	77.100	73.700	67.600	58.900	43.400	28.800	14.700	72.000
33	141 0	29.200	79.400	76.800	73.100	67.800	60.800	49.100	31.200	11.400	69.700
34	141 30	29.600	74.900	72.200	69.000	62.900	56.400	45.400	33.000	17.400	69.400
35	151 0	29.800	79.200	77.500	72.600	64.500	55.400	40.900	26.400	14.800	68.200
36	151 30	25.900	71.400	67.400	62.500	58.400	52.400	39.900	26.800	13.800	67.400
37	161 0	28.900	68.100	68.500	61.400	61.800	54.200	44.800	31.700	11.300	66.400
38	161 30	24.700	66.300	67.400	58.100	52.500	45.400	35.400	25.300	15.400	57.800
39	171 0	22.600	55.900	58.200	50.400	48.700	41.100	30.900	21.100	11.900	51.900
40	171 30	25.400	48.400	48.730	43.100	39.200	39.700	27.500	20.000	11.300	44.900
41	181 0	29.200	42.000	38.400	37.500	30.500	30.400	21.700	16.800	8.100	41.300
42	181 30	23.500	33.000	20.700	29.400	22.400	20.100	14.400	9.600	5.500	34.900
43	191 0	19.400	27.900	22.700	19.300	15.900	13.500	10.200	7.400	5.400	28.900
44	191 30	17.100	29.100	19.400	12.100	10.300	9.100	7.000	6.100	4.800	24.900
45	471 0	1.400	1.700	1.500	1.500	1.500	1.500	1.400	1.500	1.500	1.700

TITLE = CASE 15　DATE 86/10/21　TIME 131 5141

CH. INDEX		111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		18.900	19.000	19.000	18.900	18.900	19.000	18.900	18.800	18.900	18.800
FINAL		20.500	20.400	20.400	20.500	20.400	20.400	20.400	20.600	20.500	20.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	-0.100	0.0	-0.100	0.0	0.0	0.0	0.100	0.0	0.100
3	01 0	-0.100	-0.100	-0.200	-0.100	-0.100	0.0	-0.100	0.100	-0.100	0.0
4	01 0	0.0	-0.100	-0.200	-0.100	-0.100	0.0	-0.100	0.0	-0.100	0.0
5	01 0	-0.100	-0.100	-0.100	-0.100	-0.100	0.0	-0.100	0.0	-0.100	0.0
6	01 30	4.000	6.100	4.100	4.400	3.100	1.000	0.600	1.200	1.000	0.700
7	11 0	26.300	20.930	17.700	12.400	4.400	4.700	3.200	15.100	11.900	7.200
8	11 30	29.100	24.690	20.300	16.700	10.003	6.100	4.900	20.700	20.400	15.900
9	21 0	32.100	25.700	26.800	14.400	10.200	8.800	4.000	26.900	26.000	21.900
10	21 30	35.500	27.900	23.400	19.000	19.300	9.400	4.400	31.200	30.400	26.900
11	31 0	37.000	29.400	22.400	14.700	12.300	9.400	8.200	36.000	33.400	29.900
12	31 30	42.900	32.700	26.100	16.400	13.760	9.300	8.200	38.400	36.000	31.700
13	41 0	47.402	33.100	26.900	20.900	15.600	10.300	6.400	40.000	39.100	33.700
14	41 30	47.900	30.900	30.400	22.400	16.800	11.300	7.400	41.000	40.000	35.600
15	51 0	47.200	40.000	33.600	24.400	16.400	12.400	8.400	44.400	42.900	37.200
16	51 30	49.430	42.800	35.700	23.700	19.100	13.600	8.400	45.800	43.900	38.700
17	61 0	52.400	40.100	30.400	24.200	16.529	12.900	7.400	47.500	44.100	39.400
18	61 30	53.100	41.030	33.400	25.100	14.400	13.100	8.700	48.000	40.400	40.500
19	71 0	51.500	45.900	37.400	20.400	22.030	14.900	10.000	49.700	44.000	41.200
20	71 30	57.900	44.900	34.800	22.500	19.700	13.400	9.600	50.300	48.400	41.200
21	81 0	57.300	51.500	44.000	33.400	21.700	14.500	18.400	52.000	40.400	42.300
22	81 30	57.290	52.900	41.500	32.100	25.000	14.400	18.300	53.200	51.200	44.300
23	91 0	52.403	49.100	37.200	24.400	21.400	17.100	18.200	54.100	52.400	45.000
24	91 30	54.501	40.400	47.400	32.400	25.100	18.100	11.100	54.400	55.000	45.500
25	101 0	59.150	52.400	47.405	37.403	23.100	17.000	10.700	55.100	53.100	45.800
26	101 30	62.400	54.400	43.000	32.100	22.043	18.800	10.800	56.100	56.000	46.700
27	111 0	61.433	52.830	40.700	40.400	21.400	18.000	10.300	57.200	55.400	46.500
28	111 30	62.200	54.100	44.700	35.000	26.100	18.400	11.400	58.300	55.900	48.300
29	121 0	44.103	57.400	48.900	38.100	23.190	18.900	11.500	58.800	57.600	49.900
30	121 30	45.700	54.420	49.200	35.400	27.400	19.300	12.000	60.300	58.300	51.500
31	131 0	55.430	56.700	51.400	37.400	26.220	18.700	11.800	59.400	57.700	51.200
32	131 30	71.340	64.700	60.700	45.100	31.200	20.700	12.800	61.900	60.700	57.300
33	141 0	64.403	63.400	55.900	41.600	29.700	21.900	13.700	61.700	62.000	55.500
34	141 30	64.209	63.900	57.900	45.400	32.700	21.100	14.700	63.100	62.100	56.600
35	151 0	64.430	60.400	49.700	34.400	26.300	21.700	13.200	61.800	60.700	56.800
36	151 30	64.100	56.730	45.400	34.900	25.400	19.400	11.400	61.000	60.500	56.800
37	161 0	42.403	54.500	45.600	35.400	25.400	19.400	11.800	59.100	58.500	53.100
38	161 30	46.700	40.900	38.700	29.900	22.100	17.900	11.700	56.700	56.100	51.400
39	171 0	51.930	45.400	37.600	20.900	22.100	16.800	10.000	55.100	51.000	47.900
40	171 30	42.700	37.400	34.000	27.100	16.400	13.500	9.100	48.400	47.400	44.200
41	181 0	37.160	28.400	20.300	19.100	11.100	16.400	7.100	43.400	42.800	41.700
42	181 30	42.900	28.700	24.100	17.500	12.800	16.300	6.900	39.000	38.200	37.300
43	191 0	27.900	25.400	23.500	19.700	15.400	11.200	7.400	31.900	32.400	32.400
44	191 30	24.000	22.100	19.900	17.100	13.400	10.900	7.700	27.200	25.700	25.300
45	471 0	1.400	1.400	1.500	1.400	1.500	1.500	1.500	1.400	1.400	1.400

TITLE = CASE 15　DATE 86/10/21　TIME 131 5141

CH. INDEX		121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 38	126 T= 41	127 T= 42	128 T= 43	129 T= 44	130 T= 51
INITIAL		18.430	18.800	18.800	18.800	18.900	18.900	18.900	18.800	18.800	18.800
FINAL		20.400	20.300	20.400	20.300	20.300	20.700	20.600	20.400	20.300	20.600
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.100	0.0	0.100	0.0	0.0	0.100	0.100	0.0	0.0	0.100
3	01 0	0.0	0.0	0.0	0.0	-0.100	-0.100	-0.200	-0.100	0.0	0.0
4	01 0	0.0	0.0	0.0	0.0	-0.100	-0.100	-0.100	-0.100	0.0	0.0
5	01 0	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	-0.100	0.0	0.0
6	01 30	0.303	0.200	0.100	0.100	0.0	0.0	0.0	-0.100	0.0	0.0
7	11 0	5.200	5.800	5.100	5.000	5.200	15.700	14.250	4.000	2.400	4.500
8	11 30	11.900	9.700	9.100	7.500	8.400	24.100	19.000	9.100	4.100	15.800
9	21 0	16.700	16.000	12.500	11.000	9.400	24.200	19.200	11.400	5.300	20.500
10	21 30	21.400	17.100	14.700	11.700	8.670	32.000	25.300	13.800	7.000	24.800
11	31 0	25.400	18.800	17.200	11.400	10.100	36.400	26.800	17.400	9.100	28.200
12	31 30	25.500	20.900	17.400	15.300	8.400	38.900	33.200	20.900	11.100	31.300
13	41 0	27.800	21.400	18.100	12.700	7.300	39.700	36.300	25.900	12.700	33.400
14	41 30	29.903	23.400	19.200	15.700	8.200	38.100	36.800	25.200	14.900	34.900
15	51 0	31.700	23.700	18.400	13.000	9.500	41.300	38.900	27.700	14.700	36.400
16	51 30	32.403	24.400	19.900	13.100	8.700	42.400	38.400	27.700	14.900	37.500
17	61 0	33.903	25.750	19.700	12.870	8.000	45.800	40.700	29.900	17.900	39.200
18	61 30	32.000	23.100	18.500	13.300	10.200	46.800	42.800	31.700	17.300	40.800
19	71 0	32.100	23.300	19.400	12.900	8.100	47.100	41.800	32.700	16.900	41.900
20	71 30	32.400	23.100	17.707	12.200	7.300	48.300	42.300	33.200	16.500	42.300
21	81 0	32.103	23.460	18.100	12.400	8.100	50.700	42.500	29.700	15.500	43.500
22	81 30	33.900	25.700	18.200	12.200	7.500	51.300	44.700	32.000	17.400	44.100
23	91 0	33.500	23.340	18.000	12.200	8.400	52.200	45.100	31.500	15.500	45.200
24	91 30	34.500	24.200	19.000	13.400	8.200	52.400	45.700	31.400	15.900	45.500
25	101 0	33.400	24.000	19.000	13.400	8.100	52.909	45.800	32.700	17.000	44.400
26	101 30	35.100	25.100	19.400	13.400	8.500	53.100	46.300	31.800	17.400	46.500
27	111 0	34.400	24.100	19.900	13.100	8.200	53.990	45.400	32.800	16.100	44.900
28	111 30	35.400	24.900	19.400	13.700	8.400	55.400	46.100	29.400	16.100	47.700
29	121 0	38.402	24.400	19.900	13.200	8.300	56.900	45.500	30.100	15.400	48.500
30	121 30	38.900	26.100	19.900	13.400	8.400	57.900	46.200	29.000	15.800	49.000
31	131 0	37.700	26.900	20.400	14.300	9.700	55.900	46.400	29.200	16.100	50.000
32	131 30	44.300	29.100	25.800	14.400	9.100	58.900	47.100	28.700	16.000	51.000
33	141 0	44.300	30.400	22.200	15.400	10.900	60.500	49.800	30.400	15.900	52.900
34	141 30	44.900	29.703	22.105	15.730	10.800	59.400	48.000	28.700	16.000	52.700
35	151 0	43.200	29.100	22.200	15.900	9.300	58.000	47.300	29.300	15.900	52.500
36	151 30	43.400	29.400	21.400	14.700	8.100	60.100	48.700	29.300	15.400	52.200
37	161 0	40.400	27.570	20.100	13.700	8.400	58.100	44.500	30.700	14.700	51.700
38	161 30	43.100	26.700	19.400	13.400	8.100	58.400	44.700	30.100	16.000	50.000
39	171 0	38.300	26.703	19.700	11.400	9.500	50.400	44.200	27.400	15.400	47.400
40	171 30	34.400	26.400	21.100	13.200	10.400	44.200	41.300	30.000	17.100	44.400
41	181 0	45.100	26.900	20.400	14.200	9.403	38.000	35.600	25.500	15.400	40.100
42	181 30	41.300	23.300	17.400	11.400	7.400	36.400	30.400	20.400	12.300	36.400
43	191 0	27.400	21.000	15.700	10.200	5.800	29.300	21.400	15.700	10.300	32.100
44	191 30	22.930	16.900	12.700	8.200	4.900	24.200	20.900	16.100	9.900	27.000
45	471 0	1.400	1.500	1.600	1.500	1.400	1.400	1.700	1.500	1.500	1.800

TITLE = CASE 15　DATE 86/10/21　TIME 131 5141

CH. INDEX		131 T= 52	132 T= 53	133 T= 54	134 T= 55	135 T= 61	136 T= 62	137 T= 63	138 T= 64	139 T= 71	140 T= 72
INITIAL		18.400	18.803	18.800	18.700	18.700	18.900	18.800	18.700	18.700	18.700
FINAL		20.500	20.400	20.200	20.100	20.500	20.400	20.300	20.100	20.500	20.300
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.100	0.100	0.100	0.100	0.100	0.0	0.100	0.100	0.100	0.100
3	01 0	0.100	0.100	0.0	0.100	0.100	0.0	0.0	0.100	0.100	0.100
4	01 0	0.100	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	0.0	0.0
5	01 0	0.100	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	0.0	0.100
6	01 30	0.100	0.0	0.0	0.100	0.0	-0.100	0.0	0.100	0.0	0.0
7	11 0	4.900	5.400	2.400	0.900	5.100	2.500	1.000	0.300	0.400	0.900
8	11 30	15.400	15.700	9.500	5.800	17.909	12.400	4.500	5.000	13.400	11.100
9	21 0	16.100	20.000	14.200	6.026	21.900	16.400	11.400	5.600	18.100	17.700
10	21 30	22.900	21.400	13.900	8.104	24.400	18.900	13.700	7.100	21.400	20.400
11	31 0	21.100	25.000	14.600	4.300	27.000	21.900	14.500	9.700	24.300	27.500
12	31 30	27.700	27.400	13.400	4.400	28.800	23.100	17.800	10.400	25.500	26.200
13	41 0	30.300	26.800	13.900	5.900	31.700	26.300	21.100	12.700	27.400	26.500
14	41 30	31.100	26.900	15.800	6.000	32.700	28.800	23.700	14.900	30.300	29.100
15	51 0	32.000	26.300	16.100	6.500	32.000	29.200	23.200	13.700	30.300	28.800
16	51 30	36.203	28.200	16.509	7.400	35.900	31.700	24.400	14.300	32.800	31.900
17	61 0	36.700	31.100	18.800	7.400	37.700	32.100	25.200	12.500	32.800	31.400
18	61 30	37.400	31.700	16.100	7.800	37.400	31.900	21.800	12.000	34.200	33.200
19	71 0	39.003	33.800	20.800	9.200	40.900	33.400	25.900	12.000	34.400	34.400
20	71 30	38.700	33.000	21.500	9.300	40.700	34.400	25.500	12.700	35.000	35.000
21	81 0	41.400	36.400	23.700	9.100	39.450	34.800	26.400	11.700	34.800	35.500
22	81 30	42.790	37.200	21.700	9.000	41.800	35.500	26.000	12.800	37.700	36.300
23	91 0	41.403	37.400	24.500	10.800	42.999	37.500	28.500	13.800	38.700	37.400
24	91 30	44.420	38.700	24.100	9.100	42.400	38.500	29.400	12.800	39.700	38.700
25	101 0	44.900	38.700	25.800	18.400	44.400	39.200	30.400	14.800	40.000	39.000
26	101 30	45.200	39.100	25.700	10.300	43.400	38.900	28.900	13.900	39.200	38.900
27	111 0	44.100	39.400	23.800	9.750	45.400	38.400	30.000	15.000	39.400	38.700
28	111 30	44.900	40.400	24.500	10.100	45.400	38.800	29.900	13.900	40.900	39.400
29	121 0	47.420	40.400	24.400	9.400	45.400	41.700	31.000	13.700	42.100	40.400
30	121 30	44.400	40.400	22.100	9.200	44.700	43.700	30.000	13.800	42.900	40.800
31	131 0	40.330	41.700	24.400	10.400	47.200	42.900	30.000	16.100	42.400	41.900
32	131 30	47.400	41.400	21.400	10.400	47.900	41.400	32.000	15.400	42.700	41.900
33	141 0	51.000	40.400	19.300	6.700	49.600	42.100	33.400	16.900	43.400	42.700
34	141 30	50.900	43.000	19.403	6.503	40.400	44.900	31.500	16.700	45.100	44.700
35	151 0	51.220	42.900	19.100	8.500	40.400	45.200	35.000	16.700	45.100	44.300
36	151 30	52.409	40.900	22.100	10.003	47.400	43.400	32.000	15.100	44.700	45.200
37	161 0	54.290	41.400	19.400	9.100	44.000	44.400	33.400	14.100	44.400	41.400
38	161 30	44.000	39.700	21.400	9.500	44.500	41.400	32.300	13.400	42.900	41.900
39	171 0	44.400	38.100	24.100	9.400	43.400	40.100	26.500	12.100	42.100	40.400
40	171 30	41.400	36.500	27.000	8.400	41.200	38.000	27.900	13.500	39.300	38.700
41	181 0	34.500	24.500	17.200	4.400	30.200	33.460	25.400	13.400	35.400	35.700
42	181 30	35.400	23.100	13.900	5.800	32.400	29.700	23.300	12.700	31.700	31.500
43	191 0	31.330	23.500	13.200	4.500	24.500	26.400	18.400	9.100	28.500	28.200
44	191 30	26.300	15.900	14.100	4.400	23.900	21.900	14.400	8.500	26.200	24.000
45	471 0	1.700	1.400	1.400	1.400	1.400	1.500	1.500	1.400	1.400	1.400

TITLE = CASE 15 DATE 86/10/21 TIME 131 5141

CH. INDEX		141 T= 73	142 T= 74	143 T= 79	144 T= 81	145 T= 82	146 T= 83	147 T= 86	148 T= 91	149 T= 92	150 T= 93
INITIAL		18.700	18.700	18.800	18.700	18.800	18.700	18.600	18.600	18.700	18.600
FINAL		20.400	20.200	20.200	20.400	20.500	20.200	20.100	20.400	20.500	20.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 5	0.200	0.100	0.0	0.0	0.100	0.100	0.100	0.100	0.100	0.0
3	01 P	0.0	0.100	0.100	0.100	0.100	0.200	0.200	0.100	0.200	0.100
4	01 F	0.0	0.100	0.0	0.100	0.100	0.100	0.200	0.100	0.100	0.100
5	C1 5	0.100	0.100	0.0	0.100	0.100	0.100	0.100	0.100	0.100	0.0
6	0130	0.0	0.100	0.0	0.100	0.100	0.100	0.100	0.100	0.100	0.0
7	11 0	0.500	0.200	0.0	0.100	0.100	0.100	0.100	0.100	0.100	0.0
8	1130	6.700	3.400	1.700	10.000	5.230	2.700	1.200	2.800	4.700	2.100
9	21 0	14.030	9.200	4.300	18.800	11.900	8.900	5.500	8.800	12.700	8.700
10	2130	14.020	11.700	6.200	18.900	14.500	11.900	5.900	12.700	16.100	12.700
11	31 0	17.700	12.400	8.100	20.200	16.200	12.800	8.800	15.200	18.800	15.100
12	3130	19.300	11.100	7.000	25.100	19.400	15.700	9.400	17.400	20.100	14.700
13	41 0	20.100	13.400	8.100	23.400	21.200	17.200	10.300	19.700	21.900	17.700
14	4130	23.100	15.400	6.400	26.700	22.300	18.200	10.200	20.900	23.900	18.500
15	51 0	25.000	15.000	6.700	28.430	23.600	19.800	12.100	22.300	24.900	20.800
16	5130	25.000	18.100	8.000	28.400	24.000	20.000	11.800	23.200	25.400	20.700
17	61 0	25.300	18.100	8.100	29.400	25.700	21.300	12.400	24.400	27.100	23.400
18	6130	27.000	20.300	4.400	30.700	26.700	20.900	10.800	25.900	28.900	24.400
19	71 0	29.900	20.300	5.300	31.100	27.200	21.000	11.100	26.400	29.000	25.000
20	7130	29.030	21.100	4.300	32.700	29.530	22.100	12.200	27.400	30.800	28.100
21	81 0	29.100	21.900	8.800	32.400	20.900	22.400	11.700	28.500	30.900	26.300
22	8130	30.100	20.800	9.000	32.700	30.700	25.800	13.200	28.700	30.900	26.300
23	91 0	31.100	21.900	9.000	34.900	31.900	26.700	13.100	29.700	32.100	26.800
24	9130	31.300	21.700	9.100	34.900	32.400	25.800	14.000	30.400	32.900	27.900
25	101 0	31.700	21.200	8.400	34.000	33.400	26.500	15.000	31.000	33.100	29.100
26	10130	31.200	21.500	9.500	34.100	34.000	26.800	14.100	31.900	34.200	29.300
27	111 0	31.800	21.100	8.400	34.200	33.900	27.200	14.800	31.700	33.800	29.200
28	11130	32.700	21.500	9.300	34.900	34.100	27.100	14.300	32.100	34.500	29.700
29	121 0	32.200	21.000	8.800	36.100	34.830	27.300	13.700	32.800	35.100	28.200
30	12130	31.800	19.400	8.200	34.200	35.900	28.500	12.900	35.500	35.800	29.500
31	131 0	33.230	21.000	8.850	36.800	36.500	28.000	12.900	36.300	36.900	30.400
32	13130	43.100	19.300	8.930	39.100	34.300	29.400	13.000	36.800	36.900	31.400
33	141 0	36.130	21.200	9.200	39.800	35.800	27.300	12.600	36.600	36.800	31.500
34	14130	38.800	23.400	9.900	41.900	37.800	28.600	12.500	35.400	37.900	30.800
35	151 0	44.800	23.800	9.800	40.203	37.700	27.000	12.000	35.800	38.200	32.100
36	15130	45.500	21.900	9.900	41.100	37.400	26.800	12.100	36.100	38.400	33.000
37	161 0	45.100	21.700	8.800	41.400	37.900	27.700	12.900	35.900	37.800	31.900
38	16130	33.400	20.500	8.900	39.400	37.100	27.100	12.200	36.000	37.800	32.900
39	171 0	42.400	18.800	9.230	34.200	36.200	27.400	12.300	35.400	36.800	31.400
40	17130	41.200	19.000	7.400	36.900	35.100	27.100	14.400	36.500	35.200	29.500
41	181 0	31.000	20.800	8.800	33.400	32.200	29.000	13.500	33.500	33.500	28.700
42	18130	25.200	15.500	7.200	30.200	20.400	21.900	12.500	31.000	30.000	27.000
43	191 0	21.200	12.900	8.400	27.200	24.500	19.200	10.200	27.000	26.700	22.000
44	19130	25.200	11.900	6.400	23.700	22.730	14.200	8.900	23.700	23.900	19.100
45	A21 0	1.700	1.900	1.400	1.400	1.700	1.500	1.500	1.800	1.800	1.400

TITLE = CASE 15 DATE 86/10/21 TIME 131 5141

CH. INDEX		151 T= 94	152 T= 95	153 T=101	154 T=102	155 T=104	156 T=106	157 T=111	158 T=112	159 T=113	160 T=114
INITIAL		18.700	18.600	18.600	18.700	18.600	19.600	18.500	18.500	18.600	18.600
FINAL		20.500	20.800	20.600	20.600	20.500	20.100	20.200	20.200	20.200	20.100
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 5	0.0	0.0	0.0	0.0	0.100	0.0	-0.100	0.0	-0.100	-0.100
3	01 P	0.100	0.100	0.0	0.100	0.200	0.100	0.0	0.0	0.100	0.0
4	01 F	0.100	0.100	0.100	0.100	0.200	0.100	0.100	0.100	0.100	0.100
5	01 5	0.100	0.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.0
6	0130	0.100	0.0	0.100	0.100	0.100	0.100	0.0	0.100	0.100	0.0
7	11 0	0.100	0.100	0.100	0.0	0.100	0.100	0.0	0.100	0.100	0.0
8	1130	0.400	0.100	1.800	1.300	0.700	0.700	0.0	0.100	0.100	0.0
9	21 0	6.000	1.701	8.800	7.000	8.500	1.800	6.800	5.600	2.900	1.400
10	2130	8.500	4.000	17.900	12.600	9.600	6.700	12.000	7.800	7.900	4.600
11	31 0	11.200	5.500	14.700	14.000	11.400	8.400	13.400	10.600	10.800	8.300
12	3130	12.400	6.100	18.000	15.720	12.700	7.900	15.100	12.700	12.400	10.200
13	41 0	13.400	6.600	18.400	17.100	14.700	8.600	16.900	14.700	14.700	11.200
14	4130	13.100	6.400	20.400	19.700	16.200	10.000	18.700	16.000	16.800	11.400
15	51 0	14.700	7.500	22.300	20.700	17.000	10.700	19.700	17.700	16.400	13.000
16	5130	16.403	7.800	22.500	21.900	17.400	11.700	20.900	18.800	17.000	13.700
17	61 0	17.100	7.900	23.403	22.600	18.700	10.900	21.900	19.900	18.100	15.000
18	6130	18.200	7.700	24.300	23.800	18.600	11.000	22.800	20.700	18.400	14.900
19	71 0	19.100	8.400	25.400	23.500	18.900	10.800	24.000	21.600	19.700	15.300
20	7130	18.900	8.300	28.400	25.600	19.000	12.700	24.100	22.400	20.200	15.300
21	81 0	16.600	7.400	27.000	26.200	21.000	12.900	25.100	25.700	20.400	16.000
22	8130	17.600	7.400	27.400	26.100	21.500	13.700	25.700	25.700	21.000	16.700
23	91 0	17.400	7.700	28.400	26.600	21.600	13.900	25.300	26.200	21.400	17.400
24	9130	18.270	7.400	29.900	27.700	22.400	13.900	27.700	25.100	22.400	17.400
25	101 0	17.900	7.400	29.400	27.900	23.900	13.900	28.200	25.900	23.400	18.700
26	10130	21.200	8.400	30.900	28.800	24.100	14.700	27.800	26.400	24.400	19.000
27	111 0	19.400	7.900	30.400	28.800	24.420	14.200	27.900	27.000	24.500	18.700
28	11130	19.400	8.500	30.900	28.400	23.400	14.200	27.400	26.900	24.400	19.200
29	121 0	19.400	8.300	31.100	28.700	24.900	13.700	26.400	27.400	24.900	18.800
30	12130	19.500	8.200	32.000	30.300	23.750	13.400	29.400	27.400	25.200	19.300
31	131 0	21.500	9.400	33.900	30.200	25.400	12.000	29.000	28.300	25.400	18.400
32	13130	21.800	9.300	31.800	31.400	26.100	12.900	30.800	29.000	25.400	18.700
33	141 0	22.200	9.400	33.800	31.200	25.730	12.800	30.500	29.100	25.700	18.500
34	14130	22.100	9.400	34.200	31.400	26.500	13.000	31.100	29.400	25.700	18.900
35	151 0	21.400	9.000	34.200	32.400	26.100	13.400	31.900	30.100	25.700	19.700
36	15130	24.400	9.400	34.500	33.200	25.400	13.800	32.100	30.500	27.400	20.100
37	161 0	21.400	9.700	34.500	32.400	25.200	13.000	32.100	30.700	26.900	20.400
38	16130	20.400	9.200	34.400	33.000	25.400	12.700	31.700	30.400	27.000	19.700
39	171 0	21.000	9.500	31.000	32.900	25.100	12.700	30.800	30.500	26.900	19.400
40	17130	14.400	8.500	32.900	30.700	22.400	12.900	30.300	29.800	25.900	18.600
41	181 0	18.100	8.900	31.800	30.100	22.400	12.200	29.300	29.000	25.300	18.900
42	18130	16.400	8.900	29.700	28.100	21.400	12.400	27.500	28.000	24.400	18.500
43	191 0	14.800	7.400	26.200	25.400	18.800	10.100	25.300	26.100	21.800	16.200
44	19130	11.400	6.400	23.000	23.000	17.000	8.900	21.900	23.700	19.900	16.400
45	A21 0	1.400	1.400	1.800	1.700	1.700	1.500	1.700	1.700	1.600	1.500

TITLE = CASE 15 DATE 86/10/21 TIME 131 5141

CH. INDEX		161 T=115	162 T=121	163 T=122	164 T=123	165 T=124	166 T=131	167 T=132	168 T=133	169 T=134	170 T=135
INITIAL		18.500	18.700	18.600	18.500	18.500	18.100	18.300	18.300	18.400	18.500
FINAL		20.000	20.800	20.200	20.100	20.800	19.700	19.900	20.000	20.000	19.700
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 5	-0.100	0.100	-0.100	0.0	-0.100	0.100	0.0	0.100	0.0	0.0
3	01 C	0.0	0.100	0.0	0.100	0.0	0.0	-0.100	0.100	0.0	0.0
4	01 F	0.0	0.100	0.0	0.100	0.0	0.100	0.100	0.200	0.100	0.0
5	01 5	0.0	0.200	0.0	0.100	0.100	0.100	0.100	0.200	0.100	0.100
6	0130	0.0	0.200	0.0	0.100	0.0	0.200	0.100	0.200	0.100	0.100
7	11 0	0.100	0.200	0.0	0.100	0.100	0.100	0.0	0.100	0.100	0.100
8	1130	0.0	0.200	0.0	0.100	0.0	0.200	0.100	0.200	0.100	0.100
9	21 0	0.400	1.100	1.400	1.400	0.400	0.200	0.0	0.200	0.100	0.100
10	2130	2.100	5.200	4.400	4.300	2.200	5.300	4.400	3.700	2.200	0.700
11	31 0	2.900	8.300	9.400	7.400	6.900	9.100	8.800	7.300	5.200	2.100
12	3130	5.900	10.200	11.400	9.400	8.100	11.100	10.800	9.400	7.800	3.900
13	41 0	6.400	12.100	13.500	11.400	9.700	12.800	12.300	10.800	9.100	4.900
14	4130	6.300	13.500	14.500	12.400	10.000	14.000	13.400	12.000	10.200	6.100
15	51 0	6.500	15.300	15.400	12.900	9.900	15.300	14.600	12.400	10.400	6.900
16	5130	7.100	16.300	17.000	14.400	10.900	16.100	16.200	14.100	11.900	7.200
17	61 0	7.000	17.150	17.100	16.900	10.000	16.900	16.800	14.900	12.900	7.400
18	6130	7.000	18.100	18.900	18.103	12.200	16.900	17.800	15.700	13.400	7.800
19	71 0	7.500	19.230	19.160	18.400	12.400	18.000	18.100	15.800	13.800	8.000
20	7130	7.230	19.800	20.100	17.127	13.100	19.400	19.800	16.100	14.100	8.100
21	81 0	7.400	20.900	20.400	17.700	13.000	20.000	19.700	17.400	14.400	9.000
22	8130	7.100	21.700	21.000	17.700	12.200	20.900	20.900	17.700	15.700	9.400
23	91 0	7.400	21.400	21.400	17.900	12.203	21.000	20.900	17.800	14.900	8.500
24	9130	7.800	22.100	22.000	18.100	12.700	21.400	20.800	18.400	15.400	8.800
25	101 0	7.870	22.000	22.700	19.100	12.900	22.400	22.000	19.100	16.100	9.400
26	10130	8.200	23.400	23.300	19.200	13.000	22.400	22.100	19.900	16.300	8.800
27	111 0	8.100	24.300	24.200	20.100	13.730	23.200	22.800	20.900	16.900	8.800
28	11130	8.900	24.100	24.100	20.100	13.800	23.400	22.800	20.700	16.900	8.800
29	121 0	8.800	24.300	23.400	19.450	13.800	23.730	23.500	20.500	17.200	9.100
30	12130	8.900	24.700	24.100	20.400	13.900	23.900	23.700	20.900	17.200	9.200
31	131 0	7.800	25.400	24.500	20.400	13.700	24.400	23.900	21.500	17.400	9.100
32	13130	7.700	25.900	24.900	20.400	13.400	24.100	24.100	21.200	17.400	8.700
33	141 0	6.900	26.200	25.900	21.300	13.600	25.400	24.700	22.200	17.700	8.900
34	14130	8.200	26.100	25.400	20.400	13.030	25.200	24.700	21.700	17.700	9.400
35	151 0	8.200	26.400	25.400	21.430	14.400	25.900	25.200	22.300	17.900	9.300
36	15130	8.400	27.200	26.900	21.400	17.400	25.900	25.700	22.400	18.400	9.100
37	161 0	8.000	27.500	26.900	21.900	13.900	26.400	26.050	23.500	18.900	9.000
38	16130	8.800	27.200	26.900	22.100	13.500	26.300	26.000	23.200	18.200	9.400
39	171 0	8.500	27.300	26.400	21.700	12.900	26.200	26.000	23.200	18.100	9.200
40	17130	8.430	27.000	26.400	22.100	14.100	25.900	25.400	22.900	18.200	9.200
41	181 0	8.900	26.400	25.400	21.000	13.100	25.400	25.100	22.300	17.700	9.100
42	18130	8.800	25.900	25.100	21.200	14.400	24.400	24.100	21.100	17.100	8.800
43	191 0	7.400	24.900	23.400	19.500	12.400	23.900	23.400	20.400	16.700	8.800
44	19130	7.400	22.900	21.300	17.400	10.400	22.000	21.400	18.700	16.700	7.900
45	A21 0	1.500	1.800	1.800	1.400	1.500	1.400	1.400	1.700	1.400	1.400

TITLE = CASE 15 DATE 86/10/21 TIME 131 5141

CH. INDEX		201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31	208 S= 32	209 S= 33	210 S= 34
INITIAL		0.159	0.167	0.161	0.154	0.170	0.166	0.164	0.146	0.158	0.157
FINAL		0.159	0.155	0.156	0.148	0.168	0.160	0.155	0.152	0.152	0.156
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.005	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 5	100.000	100.259	100.077	100.071	100.066	100.127	100.108	100.168	100.265	100.026
3	01 P	100.000	100.245	100.536	100.019	100.045	100.091	100.108	100.137	100.221	100.156
4	01 F	100.000	100.111	100.228	100.106	100.026	100.050	100.076	100.151	100.063	100.140
5	01 5	99.986	99.735	99.472	99.264	99.966	99.867	99.903	99.961	99.926	99.942
6	0130	97.304	99.566	99.472	97.711	99.726	99.978	99.161	98.612	99.855	99.000
7	11 0	98.314	91.470	93.885	93.166	95.575	96.655	97.660	90.209	96.170	97.606
8	1130	76.760	87.491	79.106	86.960	97.716	97.507	87.776	79.002	87.066	91.681
9	21 0	88.961	93.135	87.106	93.058	95.656	97.716	76.570	81.460	86.710	93.073
10	2130	91.881	95.206	89.263	96.926	96.771	95.965	87.055	88.811	91.260	97.070
11	31 0	91.221	96.942	91.560	96.115	96.950	97.525	85.026	80.265	92.668	96.220
12	3130	91.346	96.445	92.666	98.626	97.134	97.766	85.666	90.660	95.072	96.565
13	41 0	92.591	96.445	93.197	96.959	96.150	97.760	90.251	93.810	95.617	97.587
14	4130	90.787	93.927	87.109	92.121	93.664	95.061	89.578	95.602	94.615	97.666
15	51 0	96.963	90.956	82.126	90.600	91.891	96.777	82.565	88.125	88.965	95.199
16	5130	91.170	92.615	85.956	91.667	92.570	96.631	79.628	86.710	86.959	96.573
17	61 0	81.925	96.116	90.158	95.157	96.616	97.856	88.098	97.658	96.107	96.769
18	6130	97.016	95.661	89.602	96.761	95.370	97.965	90.627	93.578	93.550	96.891
19	71 0	93.391	93.613	89.720	96.665	96.667	97.005	91.655	93.868	92.900	96.662
20	7130	92.015	92.495	86.961	96.915	95.452	96.786	92.615	93.511	91.957	96.756
21	81 0	92.765	92.561	90.081	86.806	95.650	97.655	92.572	96.177	96.152	96.303
22	8130	92.557	92.276	90.290	89.551	90.655	97.209	92.686	93.665	95.775	96.026
23	91 0	88.450	90.066	91.652	91.715	91.032	96.566	90.658	89.008	91.107	96.613
24	9130	89.370	86.665	86.261	91.650	92.761	96.373	89.770	89.297	88.650	95.280
25	101 0	86.562	90.565	87.565	92.710	93.677	96.967	90.502	90.709	93.100	96.015
26	10130	86.222	98.652	88.269	92.677	92.716	96.761	91.071	90.318	92.706	95.686
27	111 0	86.556	88.651	87.726	92.153	92.661	96.666	91.665	90.679	92.366	96.713
28	11130	88.506	87.612	87.328	92.063	92.226	95.689	90.711	88.761	92.966	96.802
29	121 0	88.766	86.769	89.316	91.776	92.565	95.667	89.661	88.227	92.700	95.730
30	12130	91.170	87.066	90.057	93.999	96.676	97.586	95.191	90.077	91.956	95.250
31	131 0	91.652	87.666	90.509	96.779	96.726	97.592	95.065	92.562	96.600	96.068
32	13130	90.925	86.570	87.666	95.656	96.567	97.565	95.626	91.571	96.059	95.761
33	141 0	90.667	85.956	96.966	91.762	96.277	97.367	95.517	91.958	96.001	95.556
34	14130	90.172	86.702	87.106	92.741	95.905	97.282	95.096	91.766	96.155	95.566
35	151 0	85.716	86.621	85.962	32.276	93.601	97.118	96.685	91.657	95.775	95.377
36	15130	86.275	85.566	86.615	91.615	95.915	96.979	96.358	90.932	95.568	95.077
37	161 0	88.710	83.266	87.765	91.350	93.037	96.865	96.031	90.456	95.281	96.960
38	16130	86.368	82.762	88.677	92.936	92.661	96.725	95.609	90.668	95.076	96.726
39	171 0	87.925	82.160	89.560	93.537	92.590	96.553	95.573	90.028	96.800	96.520
40	17130	87.026	81.191	90.372	93.192	92.650	96.319	93.280	89.227	96.120	96.286
41	181 0	87.260	81.176	88.686	93.630	91.032	96.196	95.218	89.656	96.139	96.256
42	18130	87.161	81.065	87.676	88.560	91.168	96.105	95.286	89.155	95.666	96.086
43	191 0	86.986	85.600	87.720	86.260	91.611	95.666	95.217	88.751	95.650	95.850
44	19130	86.056	85.557	85.155	87.971	91.715	95.665	95.208	88.707	95.650	95.851
45	A21 0	95.709	95.567	95.551	96.999	97.571	97.566	95.667	91.651	95.027	96.059

TITLE = CASE 15 DATE 88/10/21 TIME 13:51:41

CH. INDEX	TIME	211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 51	217 S= 52	218 S= 53	219 S= 54	220 S= 55
INITIAL		0.199	0.155	0.196	0.188	0.152	0.162	0.138	0.156	0.156	0.157
FINAL		0.197	0.150	0.196	0.162	0.160	0.151	0.137	0.151	0.150	0.155
LOOP		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	[illegible]	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	[illegible]	101.120	100.025	100.007	100.012	100.316	100.896	99.978	100.026	100.066	100.979
3	[illegible]	101.245	100.181	100.033	100.010	100.011	100.192	100.051	100.045	100.068	100.859
4	[illegible]	100.120	100.106	100.020	100.026	100.170	100.076	100.015	100.013	100.105	100.288
5	[illegible]	97.001	100.006	99.993	99.996	98.912	99.976	99.978	100.008	100.058	100.025
6	[illegible]	99.876	100.025	99.676	99.966	96.001	99.815	99.888	99.962	99.976	100.066
7	[illegible]	97.715	95.682	97.170	89.760	97.566	97.614	98.766	99.616	100.186	100.369
8	[illegible]	86.729	79.917	88.906	92.656	95.259	79.296	83.509	91.666	92.565	94.173
9	[illegible]	88.205	80.009	89.707	81.042	95.695	79.171	83.743	86.979	89.959	92.477
10	[illegible]	96.411	87.786	93.557	95.076	95.764	86.890	98.611	89.166	93.681	96.397
11	[illegible]	97.524	83.665	92.976	93.710	96.817	89.369	91.021	92.115	92.660	96.561
12	[illegible]	87.172	89.526	95.660	96.062	95.242	91.610	92.736	96.615	95.103	96.517
13	[illegible]	97.757	90.501	95.196	95.611	96.600	92.956	92.422	96.007	95.926	97.795
14	[illegible]	96.160	96.665	96.155	95.172	96.502	95.006	96.155	96.230	96.751	97.603
15	[illegible]	96.914	86.715	91.717	92.681	96.591	91.650	91.765	91.089	96.601	98.049
16	[illegible]	96.707	79.276	86.736	86.122	91.557	86.869	82.914	90.592	91.105	96.817
17	[illegible]	97.649	87.616	91.611	92.657	96.567	95.275	86.695	87.660	95.808	97.167
18	[illegible]	97.796	88.862	92.231	96.622	95.606	95.716	95.998	95.617	95.193	96.937
19	[illegible]	97.296	89.531	93.256	96.695	95.108	95.828	95.800	97.556	95.618	98.068
20	[illegible]	97.970	86.787	92.256	96.197	96.538	95.898	95.919	93.725	96.260	98.277
21	[illegible]	99.006	88.881	92.681	91.698	96.669	97.057	96.106	95.981	96.910	97.705
22	[illegible]	96.932	89.896	93.301	96.520	95.765	97.151	95.772	93.320	95.817	97.592
23	[illegible]	96.121	86.595	91.916	91.551	95.502	97.126	95.666	97.601	96.568	97.556
24	[illegible]	96.116	77.656	85.767	83.619	92.245	98.049	67.185	88.179	91.697	96.040
25	[illegible]	96.256	86.689	87.901	86.532	75.869	92.667	68.118	89.036	93.258	96.056
26	[illegible]	97.279	85.536	87.676	91.791	96.025	96.690	98.526	98.669	96.655	96.605
27	[illegible]	96.209	85.695	89.311	92.667	96.742	96.868	91.087	91.065	96.856	97.608
28	[illegible]	96.751	85.219	85.775	92.127	96.036	96.555	91.606	91.288	95.193	97.030
29	[illegible]	96.906	86.319	89.189	92.126	96.696	95.049	90.216	90.212	95.902	96.986
30	[illegible]	97.662	95.116	80.626	92.219	96.976	13.957	89.606	89.671	96.758	97.276
31	[illegible]	96.206	89.967	91.666	95.017	96.622	96.190	95.939	95.515	97.138	97.776
32	[illegible]	87.666	89.666	91.655	96.956	96.209	79.811	96.788	96.091	97.318	97.169
33	[illegible]	96.273	89.231	91.036	96.672	96.966	99.056	96.676	97.705	97.908	97.036
34	[illegible]	80.675	88.766	90.662	96.552	96.815	96.129	96.215	95.907	98.888	98.001
35	[illegible]	96.696	86.293	90.197	96.155	96.611	97.126	96.686	95.719	98.656	98.952
36	[illegible]	96.650	87.675	96.775	96.170	96.612	99.005	95.867	97.966	98.965	98.875
37	[illegible]	96.675	87.606	89.331	91.690	96.765	99.221	95.651	97.666	98.815	99.129
38	[illegible]	96.622	87.600	89.955	93.710	96.666	98.996	95.170	97.267	98.996	99.398
39	[illegible]	96.761	86.869	88.977	93.521	96.610	98.776	97.702	91.998	98.929	99.402
40	[illegible]	91.692	88.267	88.206	93.271	96.652	90.563	92.821	91.692	98.396	98.039
41	[illegible]	96.195	86.065	97.066	97.162	96.650	90.866	92.651	91.616	98.686	99.872
42	[illegible]	96.662	85.796	77.632	92.979	96.921	90.630	92.103	91.179	98.679	99.129
43	[illegible]	97.096	85.666	87.196	92.760	95.565	90.967	92.299	90.687	97.679	98.010
44	[illegible]	98.267	85.962	87.205	92.699	96.302	95.673	91.996	90.955	98.171	98.933
45	[illegible]	96.912	85.165	87.166	87.528	96.511	96.819	95.558	96.516	98.182	98.663

TITLE = CASE 15 DATE 88/10/21 TIME 13:51:41

CH. INDEX	TIME	221 S= 61	222 S= 62	223 S= 63	224 S= 71	225 S= 72	226 S= 81	227 S= 82	228 S= 83	229 S= 91	230 S= 92
INITIAL		0.161	0.157	0.159	0.165	0.160	0.150	0.159	0.160	0.152	0.165
FINAL		0.132	0.152	0.157	0.119	0.152	0.144	0.155	0.157	0.146	0.162
LOOP		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	[illegible]	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	[illegible]	99.696	99.975	100.006	99.676	100.051	99.951	100.015	100.015	99.971	100.017
3	[illegible]	99.872	99.967	99.675	99.965	100.036	99.900	103.025	100.006	99.855	100.000
4	[illegible]	99.972	99.975	99.962	99.766	100.651	99.969	100.013	100.000	99.888	99.888
5	[illegible]	99.920	99.961	100.006	99.926	100.016	99.960	100.008	99.996	99.880	99.996
6	[illegible]	99.621	99.936	99.697	99.676	100.025	99.915	99.887	100.000	99.875	99.888
7	[illegible]	99.954	99.727	99.675	99.621	100.006	99.807	99.081	99.966	99.896	99.887
8	[illegible]	91.145	95.606	98.913	93.296	97.106	96.459	99.660	99.996	99.119	99.970
9	[illegible]	86.019	80.762	96.211	81.626	87.165	87.166	95.170	98.357	90.201	96.210
10	[illegible]	86.619	89.672	97.007	85.599	81.713	86.119	89.685	95.176	83.585	86.626
11	[illegible]	92.605	91.676	97.569	88.681	96.961	86.023	96.975	97.350	88.516	89.285
12	[illegible]	95.756	91.927	97.763	90.665	91.160	92.792	96.302	96.615	90.869	92.765
13	[illegible]	87.797	96.658	96.160	90.576	96.626	92.519	95.266	97.967	92.330	96.911
14	[illegible]	87.066	96.716	97.766	92.651	96.710	96.011	97.626	96.175	91.618	96.665
15	[illegible]	96.613	96.876	98.565	95.727	95.165	96.916	96.208	97.601	93.750	95.516
16	[illegible]	87.976	89.109	95.766	90.706	91.911	91.101	93.521	96.006	92.350	96.707
17	[illegible]	91.565	89.776	97.067	86.020	86.906	86.175	89.070	95.655	85.215	87.766
18	[illegible]	96.596	96.266	97.660	96.965	91.057	86.916	90.172	97.565	86.856	88.560
19	[illegible]	89.677	96.605	97.750	91.728	93.661	97.266	97.636	97.568	91.660	97.596
20	[illegible]	96.591	98.650	97.581	92.796	91.759	93.611	93.931	98.017	92.665	93.667
21	[illegible]	95.716	95.020	97.695	92.567	92.556	92.770	96.007	96.206	92.960	93.967
22	[illegible]	96.606	96.962	97.617	97.566	93.606	97.006	95.606	97.600	92.617	93.502
23	[illegible]	96.122	96.037	97.568	93.713	96.356	93.611	93.705	96.617	93.257	92.066
24	[illegible]	91.160	91.675	96.565	90.700	92.615	95.196	95.975	97.660	95.101	96.506
25	[illegible]	96.119	96.511	96.173	86.118	86.762	86.836	88.133	95.076	88.131	88.176
26	[illegible]	93.762	97.521	96.619	89.501	89.556	86.775	89.050	97.675	86.072	88.120
27	[illegible]	93.926	97.613	96.666	91.706	97.265	90.676	91.076	97.047	90.116	91.576
28	[illegible]	97.711	97.910	96.916	90.611	91.569	90.715	91.166	97.675	91.003	97.602
29	[illegible]	93.107	97.619	96.755	86.969	92.576	96.666	91.666	97.656	90.707	97.100
30	[illegible]	92.676	91.516	96.330	89.606	91.176	90.206	91.057	97.650	90.071	97.385
31	[illegible]	96.023	92.616	97.279	90.207	96.526	89.610	90.126	97.631	89.696	91.592
32	[illegible]	95.656	96.661	97.661	96.225	96.162	93.950	91.618	98.516	92.561	93.895
33	[illegible]	96.007	96.196	97.581	96.127	96.301	96.196	96.615	98.597	96.756	95.667
34	[illegible]	96.905	96.612	97.666	93.970	96.201	97.856	96.107	98.662	96.575	95.909
35	[illegible]	96.666	96.619	97.567	93.708	96.666	95.657	95.667	98.575	96.361	95.109
36	[illegible]	96.171	91.660	97.229	93.561	95.566	93.606	93.661	98.281	96.256	95.080
37	[illegible]	95.961	92.971	97.122	93.251	95.666	95.126	95.126	98.187	95.987	96.973
38	[illegible]	97.661	92.666	97.909	92.966	95.569	92.665	92.695	98.106	95.651	96.711
39	[illegible]	95.661	92.120	96.371	92.766	95.565	92.579	92.627	98.018	95.305	96.526
40	[illegible]	95.076	91.906	96.766	92.962	95.655	97.277	97.057	97.912	95.165	96.330
41	[illegible]	92.716	91.661	96.657	92.265	96.626	91.966	91.760	97.625	92.022	96.107
42	[illegible]	97.621	91.395	96.556	97.019	96.761	91.767	91.529	97.737	92.665	95.962
43	[illegible]	92.709	91.171	96.631	91.769	96.566	91.656	91.177	97.637	92.396	95.780
44	[illegible]	91.611	91.052	96.369	91.666	96.690	91.276	90.902	97.560	92.798	95.670
45	[illegible]	91.316	96.763	99.607	96.871	95.076	96.075	97.360	97.062	96.736	97.872

TITLE = CASE 15 DATE 88/10/21 TIME 13:51:41

CH. INDEX	TIME	231 S=101	232 S=102	233 S=103	234 S=111	235 S=112	236 S=121	237 S=122	238 S=123	239 S=131	240 S=132
INITIAL		0.161	0.166	0.199	0.159	0.167	0.138	0.151	0.165	0.159	0.196
FINAL		0.159	0.161	0.196	0.149	0.166	0.130	0.147	0.165	0.150	0.193
LOOP		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	[illegible]	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	[illegible]	97.575	99.666	99.961	97.997	100.006	100.168	99.993	100.139	99.987	100.000
3	[illegible]	99.965	99.976	99.967	99.566	100.006	100.199	100.000	100.079	99.987	100.000
4	[illegible]	99.956	99.970	100.000	99.995	99.996	100.110	100.000	100.062	99.981	100.000
5	[illegible]	99.965	99.962	99.996	99.961	100.006	99.869	99.991	99.939	99.968	99.996
6	[illegible]	99.996	99.962	99.691	99.961	99.996	100.037	99.991	99.996	99.981	100.000
7	[illegible]	97.380	99.67	99.579	99.576	100.006	100.000	99.975	99.986	99.976	100.000
8	[illegible]	96.615	99.631	99.666	99.611	100.006	99.996	99.973	100.000	99.968	99.996
9	[illegible]	96.523	87.525	99.687	97.627	99.960	99.676	99.980	99.976	99.961	99.996
10	[illegible]	96.575	98.665	99.560	97.962	96.270	91.706	99.688	99.782	99.931	99.795
11	[illegible]	97.100	98.661	96.319	79.617	96.701	70.286	98.572	97.721	95.176	96.910
12	[illegible]	91.760	95.162	97.960	57.196	96.701	80.098	97.665	96.666	97.978	97.976
13	[illegible]	96.615	96.917	97.115	96.666	96.669	87.087	99.150	97.170	95.233	96.220
14	[illegible]	93.161	95.115	97.191	90.751	95.178	87.696	96.987	97.582	95.657	96.676
15	[illegible]	97.266	95.507	97.902	96.658	95.165	80.661	99.117	98.261	96.302	95.715
16	[illegible]	95.192	95.111	96.076	92.199	95.916	88.533	99.265	98.226	96.296	95.267
17	[illegible]	96.295	92.616	96.072	96.711	91.675	86.160	99.216	98.571	96.199	96.695
18	[illegible]	96.166	90.267	95.613	93.535	90.731	92.120	96.585	97.026	95.677	96.900
19	[illegible]	96.015	95.751	97.060	96.526	87.698	76.719	98.270	96.166	92.791	91.577
20	[illegible]	91.962	96.712	97.667	96.137	97.665	86.195	98.656	97.695	91.366	90.100
21	[illegible]	91.609	96.960	97.638	96.622	96.671	86.961	98.665	97.869	96.908	95.091
22	[illegible]	97.250	96.509	97.996	96.778	73.991	86.960	95.572	98.103	95.560	95.112
23	[illegible]	97.566	96.766	97.776	91.126	96.967	86.653	96.552	98.115	95.206	95.111
24	[illegible]	95.227	96.697	77.966	31.595	96.261	87.661	98.699	98.018	95.658	95.520
25	[illegible]	96.611	92.565	98.673	91.610	96.669	88.196	96.399	98.200	95.568	95.516
26	[illegible]	96.366	89.716	95.617	65.673	96.261	85.285	98.016	96.697	95.600	95.000
27	[illegible]	83.162	92.180	96.516	15.211	89.933	76.321	97.336	96.521	92.708	91.967
28	[illegible]	96.192	92.566	96.095	86.266	93.018	81.516	97.600	97.152	92.959	92.637
29	[illegible]	96.731	92.667	97.151	90.131	97.232	83.507	97.696	97.612	93.680	93.617
30	[illegible]	30.993	92.959	97.160	86.151	93.611	86.059	97.663	97.368	93.620	96.110
31	[illegible]	96.622	91.695	97.026	79.202	92.392	86.792	97.305	97.609	95.800	91.966
32	[illegible]	96.666	92.576	97.676	87.615	92.336	86.118	97.106	97.156	93.311	93.616
33	[illegible]	96.606	96.566	98.693	91.269	95.031	89.667	97.210	97.155	93.776	96.292
34	[illegible]	96.695	96.665	96.615	96.669	95.662	91.716	97.130	98.127	96.666	96.522
35	[illegible]	76.561	96.242	86.365	96.595	95.562	92.078	97.183	96.097	95.116	96.119
36	[illegible]	76.100	93.956	95.306	76.616	95.630	91.613	96.071	96.018	95.181	95.952
37	[illegible]	37.937	97.710	95.233	96.210	95.252	91.629	96.772	97.966	96.917	95.856
38	[illegible]	35.666	93.627	96.186	96.119	95.077	91.219	96.566	97.960	96.750	95.676
39	[illegible]	97.395	93.167	90.095	95.573	96.665	91.061	96.315	97.673	96.576	95.686
40	[illegible]	95.121	92.902	96.026	95.705	96.719	90.611	96.161	97.691	96.292	95.272
41	[illegible]	92.695	92.610	97.966	96.905	96.561	90.619	95.968	97.666	96.112	95.131
42	[illegible]	72.662	92.166	97.667	95.126	96.367	96.296	95.762	97.560	93.912	96.087
43	[illegible]	92.605	92.116	97.616	95.126	96.271	89.896	95.523	97.617	93.706	96.791
44	[illegible]	92.219	91.093	97.761	96.095	96.695	96.601	95.361	97.360	93.519	96.637
45	[illegible]	97.715	97.616	99.126	96.633	96.763	95.996	97.655	98.788	96.869	98.063

TITLE = CASE 15 DATE 88/10/21 TIME 13:51:41

CH. INDEX	TIME	250 V= 21	251 V= 22	252 V= 23	253 V= 24	254 V= 25	255 V= 26	256 V= 27	257 V= 28	258 V= 29	259 V= 31
INITIAL		0.119	0.122	0.118	0.119	0.117	0.110	0.117	0.111	0.107	0.126
FINAL		0.108	0.107	0.117	0.118	0.110	0.106	0.108	0.119	0.108	0.079
LOOP		(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	[illegible]	2.030	2.107	2.030	2.067	2.012	2.023	2.019	1.916	1.760	2.171
2	[illegible]	1.905	2.002	1.966	1.895	1.975	1.925	1.950	1.999	1.950	2.420
3	[illegible]	1.925	1.926	1.796	1.596	1.907	1.901	1.987	1.961	2.075	2.215
4	[illegible]	2.095	2.227	1.950	1.921	1.921	1.866	1.861	1.675	1.916	2.207
5	[illegible]	1.827	2.035	1.796	1.559	2.029	2.060	2.100	2.267	2.257	1.675
6	[illegible]	2.502	2.597	2.663	2.630	2.655	2.251	2.250	2.121	2.009	1.860
7	[illegible]	2.129	2.267	2.096	2.001	1.852	1.990	2.279	2.069	2.319	2.000
8	[illegible]	2.319	2.250	1.650	1.506	1.976	2.085	2.117	2.153	2.116	2.516
9	[illegible]	2.007	2.006	1.965	1.976	1.960	2.067	2.105	2.119	2.067	1.906
10	[illegible]	2.065	2.018	2.036	1.051	1.707	1.051	2.190	2.015	2.217	2.076
11	[illegible]	2.577	2.112	1.976	2.027	2.106	1.997	2.519	2.506	2.661	2.579
12	[illegible]	2.656	2.011	2.167	1.975	1.960	1.925	2.227	2.196	2.528	2.508
13	[illegible]	2.650	2.226	1.681	1.997	2.167	2.083	2.196	2.573	2.420	2.277
14	[illegible]	2.331	2.672	1.971	1.265	1.950	2.021	2.259	2.605	2.601	2.095
15	[illegible]	2.962	2.102	1.991	2.067	2.277	2.356	2.686	2.773	2.657	2.261
16	[illegible]	1.566	2.120	2.261	1.997	1.975	1.901	2.116	2.301	2.566	2.207
17	[illegible]	2.196	2.219	1.907	1.665	2.076	2.226	2.396	2.561	2.568	2.376
18	[illegible]	2.606	2.336	1.902	1.765	2.079	2.210	2.396	2.516	2.660	2.062
19	[illegible]	2.563	2.269	1.997	2.135	2.226	2.272	2.651	2.578	2.506	2.026
20	[illegible]	2.907	2.302	2.156	1.995	1.995	1.950	2.221	2.730	2.685	2.075
21	[illegible]	2.336	2.158	1.997	1.657	1.916	2.085	2.567	2.750	2.670	1.966
22	[illegible]	2.222	2.295	1.690	2.076	2.259	2.315	2.635	2.592	2.567	2.092
23	[illegible]	2.276	2.276	1.770	1.909	1.650	1.967	2.627	2.733	2.723	2.006
24	[illegible]	2.392	2.265	1.695	1.967	2.021	2.229	2.565	2.658	2.669	1.937
25	[illegible]	2.360	2.361	1.371	1.709	1.611	1.990	2.229	2.356	2.603	1.957
26	[illegible]	2.267	2.296	2.081	2.156	2.356	2.396	2.720	2.835	2.697	2.216
27	[illegible]	2.356	2.666	1.660	2.062	2.165	2.065	2.190	2.616	2.595	2.096
28	[illegible]	2.139	2.216	1.911	2.119	2.512	2.295	2.565	2.660	2.700	2.102
29	[illegible]	2.167	2.522	2.112	2.169	2.265	1.985	2.608	2.565	2.566	2.067
30	[illegible]	2.585	2.202	2.133	1.695	2.626	2.157	2.302	2.726	2.880	2.122
31	[illegible]	2.372	2.371	2.057	1.903	1.955	2.091	2.651	2.676	2.888	1.975
32	[illegible]	2.375	2.617	2.105	1.666	1.709	2.171	2.606	2.671	3.000	2.060
33	[illegible]	2.262	2.212	1.718	1.766	2.067	2.018	2.366	2.505	2.757	1.985
34	[illegible]	2.296	2.097	2.503	2.012	1.675	1.665	2.360	2.756	2.906	1.650
35	[illegible]	2.506	2.665	2.265	1.952	1.966	2.196	2.677	2.667	2.867	1.002
36	[illegible]	2.377	2.229	2.076	2.019	2.576	2.367	2.709	2.686	2.570	2.185
37	[illegible]	2.662	2.265	1.665	1.666	1.976	2.060	2.602	2.505	2.878	1.660
38	[illegible]	2.155	2.095	1.856	1.725	2.057	2.162	2.501	2.516	3.025	1.901
39	[illegible]	2.315	2.212	1.606	1.767	1.672	2.095	2.370	2.667	2.356	1.962
40	[illegible]	1.675	2.150	1.566	1.556	1.715	2.066	2.172	2.069	2.165	2.067
41	[illegible]	2.621	2.655	1.765	1.659	2.136	2.016	2.222	2.669	2.670	1.837
42	[illegible]	2.070	1.965	1.796	1.952	2.050	2.217	2.605	2.670	2.552	1.997
43	[illegible]	1.760	1.716	1.625	1.626	1.627	1.997	2.165	2.709	2.767	1.706
44	[illegible]	1.897	2.061	2.066	2.619	2.112	2.129	2.162	2.196	2.298	1.676
45	[illegible]	1.726	1.669	1.938	1.950	1.766	1.530	1.666	2.069	1.859	1.352

TITLE = CASE 15 DATE 08/10/81 TIME 13:51:43

CH. / POLE		260 V= 72	261 V= 73	262 V= 74	263 V=121	264 V=122	265 V=123	266 V=124
INITIAL		0.109	0.109	0.096	0.098	0.112	0.103	0.095
FINAL		0.119	0.123	0.097	0.095	0.106	0.106	0.087
LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	[illegible]	1.876		1.651	1.676	1.933	1.765	1.636
2	[illegible]	1.811		1.737	1.943	1.778	1.787	1.593
3	[illegible]	1.825		1.598	1.671	1.698	1.842	1.679
4	[illegible]	1.866		1.665	1.702	1.817	1.902	1.683
5	[illegible]	1.866		1.533	1.568	1.801	1.797	1.796
6	[illegible]	1.964		1.666	1.672	1.876	1.851	1.655
7	[illegible]	2.159		1.689	1.909	1.957	1.866	1.591
8	[illegible]	2.277		1.851	1.655	2.069	1.908	1.651
9	[illegible]	2.026		1.961	2.050	2.279	1.908	1.604
10	[illegible]	2.150		2.628	2.255	2.525	2.062	1.577
11	[illegible]	2.251		2.000	2.141	2.411	2.269	1.619
12	[illegible]	2.167		2.026	2.265	2.477	2.006	1.660
13	[illegible]	2.106		1.969	2.159	2.475	2.078	1.632
14	[illegible]	2.202		2.199	1.916	2.309	2.276	1.649
15	[illegible]	2.215		2.179	2.166	2.286	2.151	1.729
16	[illegible]	2.165		2.126	1.987	2.668	2.257	1.751
17	[illegible]	2.174		2.069	2.195	2.519	2.251	1.897
18	[illegible]	2.090		2.288	2.091	2.510	2.290	1.967
19	[illegible]	2.179		2.103	2.176	2.398	2.117	1.873
20	[illegible]	2.202		2.162	2.093	2.555	2.057	2.006
21	[illegible]	2.109		2.332	2.009	2.119	2.176	1.937
22	[illegible]	2.190		2.210	2.129	2.319	2.351	1.971
23	[illegible]	1.999		2.356	2.033	2.036	2.262	1.866
24	[illegible]	2.122		2.276	2.290	2.344	2.193	2.006
25	[illegible]	2.176		2.290	2.166	2.341	2.114	1.792
26	[illegible]	2.020		2.067	2.217	2.247	2.551	1.665
27	[illegible]	2.092		2.376	2.126	2.379	2.229	1.984
28	[illegible]	2.210		2.167	2.011	2.979	2.110	2.021
29	[illegible]	2.172		2.270	2.172	2.739	2.160	1.967
30	[illegible]	2.090		2.290	2.230	2.155	2.117	2.019
31	[illegible]	2.026		2.628	2.266	2.758	2.658	2.000
32	[illegible]	2.006		2.238	2.319	2.270	2.289	1.981
33	[illegible]	2.079		2.090	2.135	2.943	2.473	1.851
34	[illegible]	2.272		1.997	2.177	2.291	2.186	1.992
35	[illegible]	2.195		2.368	2.322	2.680	2.083	1.866
36	[illegible]	2.219		2.097	1.997	2.366	2.768	2.121
37	[illegible]	2.045		2.176	2.097	2.571	2.539	1.866
38	[illegible]	2.186		1.837	2.012	2.537	2.057	1.796
39	[illegible]	2.018		1.914	2.112	2.466	2.203	1.787
40	[illegible]	2.030		1.997	1.858	2.288	2.126	1.938
41	[illegible]	2.659		1.985	2.016	2.292	2.179	1.789
42	[illegible]	2.191		2.010	2.109	2.377	2.363	1.949
43	[illegible]	1.949		1.899	1.709	2.160	2.172	2.112
44	[illegible]	2.290		1.975	1.860	2.150	2.110	2.155
45	[illegible]	2.662		1.677	1.651	1.029	1.719	1.698

実験No.11　TITLE : CASE 3　(A)　DATE 85/10/28　TIME 14: 0140

CH.		101	102	103	104	105	106	107	108	109	110
[illegible]		T= 01	T= 11	T= 12	T= 13	T= 14	T= 15	T= 16	T= 17	T= 18	T= 21
INITIAL		18.900	16.200	17.600	18.000	17.700	17.900	17.900	17.700	17.800	17.900
FINAL		26.600	21.600	21.203	19.600	19.100	18.100	17.800	17.600	17.900	22.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	-0.100	-0.100	0.0	-0.100	0.0	-0.100	0.0	0.0	0.0	0.100
3	0: 0	-0.100	-0.100	0.0	-0.100	0.100	0.0	-0.100	0.0	0.0	0.200
4	0: 0	2.100	1.100	1.500	0.100	0.100	0.0	0.100	0.0	0.0	0.0
5	0:30	10.600	14.800	7.100	0.500	0.200	0.100	-0.200	0.0	0.0	4.900
6	1: 0	46.600	27.100	13.500	0.900	0.300	0.200	0.100	0.100	0.100	16.600
7	1:30	[illegible]	41.100	15.600	0.800	0.400	0.200	-0.200	0.100	0.100	21.000
8	2: 0	58.900	41.100	17.500	1.000	0.500	0.300	0.100	0.100	0.200	21.900
9	2:30	61.600	45.700	41.600	1.500	0.600	0.400	0.100	0.100	0.200	25.700
10	3: 0	64.600	45.600	26.200	2.300	0.700	0.500	0.400	0.200	0.200	27.400
11	3:30	70.400	47.500	26.400	3.000	1.000	0.400	0.400	0.300	0.300	28.100
12	4: 0	72.400	50.600	25.400	4.000	1.100	0.400	0.300	0.300	0.300	29.200
13	4:30	[illegible]	46.800	26.600	4.100	1.300	0.400	0.500	0.400	0.400	30.100
14	5: 0	72.400	41.600	27.200	4.600	1.300	0.900	0.500	0.400	0.400	31.600
15	5:30	[illegible]	42.100	28.400	4.800	1.400	0.900	0.400	0.400	0.500	33.000
16	6: 0	[illegible]	43.600	28.300	5.000	1.500	0.900	0.400	0.400	0.500	33.500
17	6:30	67.200	49.500	31.100	6.600	1.600	0.800	0.600	0.400	0.500	36.100
18	7: 0	60.400	50.600	32.700	6.100	1.700	0.900	0.500	0.400	0.500	38.100
19	7:30	[illegible]	[illegible]	33.600	6.600	1.500	0.800	0.600	0.600	0.600	39.500
20	8: 0	[illegible]	52.100	33.100	8.600	1.800	0.700	0.700	0.300	0.600	40.050
21	8:30	[illegible]	51.600	42.600	11.200	1.900	0.700	0.400	0.500	0.400	40.400
22	9: 0	80.600	52.600	42.500	12.100	2.400	0.700	0.400	0.500	0.400	40.000
23	9:30	[illegible]	[illegible]	43.700	11.800	[illegible]	0.700	0.400	0.300	0.400	40.400
24	10: 0	[illegible]	55.500	45.100	10.300	3.100	0.800	0.400	0.300	0.400	42.000
25	10:30	[illegible]	55.100	46.300	8.500	3.700	0.800	0.500	0.300	0.400	42.700
26	11: 0	[illegible]	56.100	46.600	8.500	3.500	0.800	0.600	0.400	0.400	43.400
27	11:30	[illegible]	56.100	47.100	10.700	3.600	0.400	0.700	0.400	0.500	44.800
28	12: 0	[illegible]	56.400	48.700	11.600	4.400	0.800	0.500	0.400	0.400	44.500
29	12:30	[illegible]	57.600	49.600	11.600	4.130	0.900	0.600	0.400	0.400	45.400
30	13: 0	[illegible]	57.600	47.600	12.700	4.130	1.000	0.400	0.400	0.400	46.400
31	13:30	81.600	56.100	49.600	13.200	4.100	0.900	0.400	0.400	0.500	46.400
32	14: 0	[illegible]	56.900	46.600	14.100	4.100	0.900	0.400	0.100	0.500	46.200
33	14:30	[illegible]	[illegible]	47.600	[illegible]	[illegible]	1.000	0.400	0.400	0.500	43.100
34	15: 0	73.600	51.700	[illegible]	15.100	4.500	0.900	0.100	0.500	0.500	42.200
35	15:30	[illegible]	47.600	45.600	14.800	4.500	0.900	0.500	0.300	0.900	40.700
36	16: 0	[illegible]	45.100	46.100	11.200	4.200	0.700	0.200	0.300	0.500	38.400
37	16:30	[illegible]	[illegible]	40.600	11.600	3.700	0.730	0.500	0.300	0.500	35.400
38	17: 0	[illegible]	39.600	[illegible]	10.900	3.100	0.400	0.0	0.200	0.400	31.700
39	17:30	[illegible]	27.600	[illegible]	10.600	2.400	0.400	0.0	0.100	0.100	27.400
40	18: 0	[illegible]	22.500	19.100	10.600	1.100	0.400	0.100	0.100	0.300	22.900
41	18:30	35.500	19.500	18.200	6.600	2.700	0.100	0.0	0.0	0.200	19.400
42	19: 0	24.700	18.600	16.100	7.600	2.700	0.0	-0.200	-0.100	0.200	17.000
43	19:30	16.800	17.100	11.500	4.600	2.100	0.0	-0.200	-0.100	0.200	16.900
44	25:24	0.100	9.600	3.200	1.900	1.600	0.200	-0.100	0.100	0.300	4.700

TITLE : CASE 3　DATE 85/10/28　TIME 14: 0140

CH.		111	112	113	114	115	116	117	118	119	120
[illegible]		T= 22	T= 23	T= 24	T= 25	T= 26	T= 27	T= 28	T= 31	T= 32	T= 33
INITIAL		18.900	18.600	[illegible]	[illegible]	17.600	18.100	17.600	19.100	18.300	18.500
FINAL		21.600	20.500	20.700	17.600	17.100	18.100	17.700	25.000	22.600	21.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0
3	0: 0	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0
4	0: 0	-0.100	0.0	0.0	-0.100	-0.100	0.0	0.0	-0.100	-0.100	0.0
5	0:30	0.0	1.800	0.300	0.0	-0.100	0.100	0.0	-0.100	-0.100	0.0
6	1: 0	1.500	2.800	0.200	0.0	-0.100	0.100	0.0	2.100	1.500	0.100
7	1:30	4.600	3.200	0.400	0.0	-0.100	0.100	0.0	4.100	3.900	0.700
8	2: 0	5.900	4.800	0.600	0.0	0.0	0.100	0.100	9.100	7.200	1.700
9	2:30	7.500	7.600	0.700	0.0	0.0	0.150	0.100	11.600	9.900	2.700
10	3: 0	[illegible]	8.000	0.800	0.100	0.0	0.200	0.100	13.600	11.900	3.700
11	3:30	9.600	8.700	1.000	0.100	0.0	0.200	0.100	15.100	15.500	4.500
12	4: 0	10.900	10.900	1.100	0.200	0.100	0.100	0.200	16.700	15.600	5.400
13	4:30	11.600	11.700	1.400	0.400	0.200	0.100	0.200	17.900	17.400	6.400
14	5: 0	12.100	12.300	1.600	0.500	0.200	0.100	0.200	18.800	18.400	7.200
15	5:30	12.600	13.900	2.400	0.600	0.100	0.400	0.500	19.700	19.500	7.800
16	6: 0	[illegible]	14.100	1.300	0.600	0.400	0.300	0.500	20.600	20.300	8.100
17	6:30	[illegible]	15.100	1.100	0.600	0.400	0.300	0.300	21.700	21.000	8.100
18	7: 0	[illegible]	16.700	1.600	0.300	0.300	0.300	0.300	22.400	22.000	8.000
19	7:30	[illegible]	12.600	1.600	0.200	0.200	0.400	0.400	23.600	23.000	7.700
20	8: 0	17.700	11.600	1.100	0.200	0.200	0.300	0.300	24.600	24.100	7.800
21	8:30	10.300	16.400	1.100	0.100	0.100	0.300	0.300	25.600	25.700	8.700
22	9: 0	16.700	17.400	2.400	0.100	0.100	0.300	0.400	26.500	26.000	9.700
23	9:30	[illegible]	17.900	2.100	0.100	0.100	0.100	0.300	27.000	26.700	10.200
24	10: 0	11.600	16.600	2.500	0.100	0.100	0.150	0.300	27.500	26.900	10.400
25	10:30	[illegible]	18.300	[illegible]	0.100	0.200	0.300	0.400	28.200	27.400	11.400
26	11: 0	[illegible]	17.900	[illegible]	0.100	0.200	0.300	0.400	28.600	27.500	12.400
27	11:30	[illegible]	18.700	[illegible]	0.100	0.200	0.400	0.300	29.500	28.400	15.000
28	12: 0	[illegible]	18.200	3.100	0.100	0.200	0.300	0.300	30.000	28.100	13.400
29	12:30	[illegible]	17.100	3.200	0.100	0.200	0.300	0.400	30.300	29.700	14.100
30	13: 0	[illegible]	[illegible]	3.100	0.100	0.200	0.300	0.400	30.600	30.100	14.100
31	13:30	[illegible]	18.100	3.100	0.100	0.200	0.300	0.300	30.400	30.000	14.300
32	14: 0	[illegible]	17.500	3.200	0.100	0.100	0.200	0.300	30.400	29.700	14.900
33	14:30	[illegible]	17.100	3.300	0.200	0.300	0.300	0.400	30.600	29.400	15.700
34	15: 0	[illegible]	[illegible]	[illegible]	0.100	0.200	0.200	0.400	30.400	29.500	16.200
35	15:30	[illegible]	[illegible]	[illegible]	0.100	0.200	0.200	0.400	30.100	29.100	16.000
36	16: 0	[illegible]	11.500	[illegible]	0.0	0.100	0.200	0.400	29.100	28.200	15.800
37	16:30	[illegible]	[illegible]	[illegible]	0.0	0.0	0.100	0.300	28.200	27.200	15.600
38	17: 0	[illegible]	[illegible]	2.100	-0.100	0.0	0.100	0.100	26.700	25.700	12.600
39	17:30	[illegible]	11.500	[illegible]	-0.200	-0.100	0.0	0.200	25.000	23.600	11.500
40	18: 0	[illegible]	[illegible]	[illegible]	-0.300	-0.200	-0.100	0.200	23.600	21.500	10.700
41	18:30	16.300	11.100	1.700	-0.400	-0.300	-0.200	0.100	21.200	19.500	10.100
42	19: 0	[illegible]	11.100	1.600	-0.300	-0.100	-0.200	0.100	19.200	17.600	9.600
43	19:30	[illegible]	[illegible]	1.600	-0.300	-0.500	-0.100	0.100	17.600	15.600	0.900
44	25:24	[illegible]	[illegible]	[illegible]	-0.200	-0.100	0.200	0.100	9.600	6.100	3.600

TITLE : CASE 3　DATE 85/10/28　TIME 14: 0140

CH.		121	122	123	124	125	126	127	128	129	130
[illegible]		T= 34	T= 35	T= 36	T= 37	T= 41	T= 42	T= 43	T= 44	T= 45	T= 46
INITIAL		[illegible]	17.400	18.500	17.600	18.400	18.400	18.100	17.700	17.400	17.100
FINAL		18.600	18.800	18.600	17.600	24.600	22.400	19.400	17.600	18.300	17.100
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.0	-0.100	0.0	0.0	-0.100	-0.100	-0.100	0.0	0.0
3	0: 0	0.0	0.0	-0.100	0.0	0.0	-0.100	-0.100	-0.100	0.0	0.0
4	0: 0	0.0	0.0	-0.100	0.0	-0.100	-0.100	-0.200	-0.100	-0.100	0.0
5	0:30	-0.100	0.0	0.0	0.0	-0.100	-0.200	-0.200	-0.100	0.100	0.0
6	1: 0	-0.100	0.0	0.0	0.0	-0.200	-0.200	-0.200	-0.100	0.200	0.0
7	1:30	0.0	0.0	0.0	0.0	1.800	0.600	0.900	0.200	0.300	0.0
8	2: 0	0.0	0.0	0.100	0.0	5.100	2.000	1.700	0.300	0.200	0.0
9	2:30	0.0	0.0	0.100	0.0	7.600	3.700	4.900	0.400	0.400	0.0
10	3: 0	0.100	0.100	0.100	0.100	10.100	5.200	5.200	0.700	0.300	0.100
11	3:30	0.100	0.100	0.100	0.100	11.600	6.600	6.100	0.400	0.300	0.100
12	4: 0	0.200	0.200	0.200	0.100	13.200	7.600	6.900	0.500	0.300	0.100
13	4:30	0.200	0.200	0.200	0.100	14.600	9.600	8.500	0.500	0.500	0.100
14	5: 0	0.200	0.300	0.200	0.100	15.300	10.900	9.100	0.600	0.500	0.100
15	5:30	[illegible]	0.300	0.200	0.200	15.900	11.500	8.500	0.600	0.700	0.200
16	6: 0	[illegible]	0.400	0.200	0.200	16.600	12.300	9.100	0.600	0.800	0.200
17	6:30	0.300	0.600	0.200	0.200	17.100	13.600	8.100	0.600	1.500	0.200
18	7: 0	0.400	0.600	0.100	0.200	17.600	13.600	8.600	0.700	1.500	0.200
19	7:30	0.300	0.500	0.100	0.200	10.530	14.300	9.100	0.900	1.900	0.200
20	8: 0	0.300	0.503	0.100	0.200	19.300	15.000	8.900	1.100	1.700	0.200
21	8:30	0.400	0.500	0.100	0.200	20.500	15.900	9.900	1.200	1.700	0.200
22	9: 0	[illegible]	0.600	0.100	0.200	21.100	16.600	10.600	1.200	2.100	0.300
23	9:30	[illegible]	0.600	0.100	0.200	21.600	17.600	11.500	1.100	2.200	0.300
24	10: 0	[illegible]	0.700	0.100	0.200	22.300	17.800	11.700	1.000	1.900	0.300
25	10:30	[illegible]	0.700	0.100	0.200	23.000	18.100	12.200	1.000	1.800	0.300
26	11: 0	[illegible]	0.700	0.100	0.200	23.500	18.700	12.100	0.900	1.700	0.300
27	11:30	[illegible]	0.700	0.100	0.200	23.600	19.000	12.200	0.800	1.800	0.300
28	12: 0	[illegible]	0.700	0.100	0.200	24.600	19.500	12.400	1.000	2.200	0.400
29	12:30	[illegible]	0.800	0.100	0.200	24.800	19.700	13.600	1.000	1.900	0.100
30	13: 0	[illegible]	[illegible]	[illegible]	0.200	25.100	20.300	14.100	1.900	2.300	0.300
31	13:30	0.600	[illegible]	[illegible]	0.200	25.100	20.400	13.900	1.900	2.400	0.400
32	14: 0	[illegible]	[illegible]	0.100	0.200	25.100	20.600	13.900	2.000	2.000	0.300
33	14:30	[illegible]	[illegible]	0.200	0.100	25.100	20.300	13.100	2.100	2.100	0.400
34	15: 0	[illegible]	0.700	0.200	0.100	25.100	20.400	13.500	1.900	1.900	0.100
35	15:30	[illegible]	1.600	0.100	0.100	24.900	20.200	13.400	1.800	2.000	0.100
36	16: 0	[illegible]	2.900	0.100	0.200	24.600	20.600	13.100	1.600	1.700	0.100
37	16:30	[illegible]	[illegible]	0.100	0.200	23.700	19.900	12.600	1.600	1.500	0.200
38	17: 0	0.300	[illegible]	[illegible]	0.100	22.600	18.600	11.906	1.500	1.300	0.200
39	17:30	[illegible]	[illegible]	0.100	0.101	21.500	17.600	9.100	1.200	1.000	0.100
40	18: 0	0.100	[illegible]	0.100	0.101	20.600	16.500	5.000	1.100	1.700	0.100
41	18:30	0.100	0.700	0.100	0.0	16.500	15.600	5.700	1.600	1.400	0.100
42	19: 0	0.100	0.700	0.100	0.100	17.100	14.600	5.700	0.900	1.600	0.100
43	19:30	5.100	[illegible]	0.0	0.100	15.600	13.700	2.000	0.900	1.500	0.200
44	25:24	0.100	0.900	0.0	0.0	4.000	4.000	1.700	0.100	0.500	0.0

TITLE : CASE 3　DATE 85/10/28　TIME 14: 0140

CH.		131	132	133	134	135	136	137	138	139	140
[illegible]		T= 47	T= 51	T= 52	T= 53	T= 54	T= 61	T= 62	T= 63	T= 64	T= 65
INITIAL		[illegible]	[illegible]	17.600	17.200	17.200	17.600	17.500	17.100	17.100	17.100
FINAL		[illegible]	20.600	[illegible]	17.100	17.200	18.600	17.100	17.000	17.000	16.800
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.0	0.0	-0.100	0.0	0.0	-0.100	-0.200	0.0	0.0
3	0: 0	0.0	-0.100	0.0	-0.100	0.0	0.0	0.0	-0.100	0.0	0.0
4	0: 0	0.0	-0.100	0.0	-0.100	0.0	0.0	0.0	0.0	0.100	0.0
5	0:30	0.0	-0.100	0.0	0.0	0.0	-0.100	0.0	0.200	0.100	0.0
6	1: 0	0.0	-0.200	0.0	0.0	0.0	-0.100	0.0	0.100	0.100	0.0
7	1:30	0.0	-0.300	0.0	-0.100	0.0	-0.100	0.100	0.200	0.100	0.0
8	2: 0	0.0	1.400	0.0	0.0	0.0	0.0	0.100	0.100	0.200	0.100
9	2:30	0.0	4.200	0.200	0.0	0.0	0.200	0.0	0.0	0.200	0.0
10	3: 0	0.0	7.000	0.400	0.0	0.0	1.300	0.400	0.0	0.200	0.100
11	3:30	0.100	8.100	0.600	0.0	0.0	2.100	0.500	0.0	0.200	0.100
12	4: 0	0.0	8.600	0.600	0.0	0.0	2.700	0.600	0.200	0.100	0.100
13	4:30	0.100	8.900	0.500	0.100	0.0	3.700	0.800	0.200	0.100	0.100
14	5: 0	0.100	10.100	1.100	0.100	0.0	4.500	0.800	0.200	0.100	0.100
15	5:30	0.100	10.700	1.600	0.100	0.100	5.500	0.900	0.100	0.100	0.100
16	6: 0	0.100	11.500	1.300	0.100	0.100	5.500	1.200	0.100	0.100	0.100
17	6:30	0.100	12.100	[illegible]	0.100	0.100	6.600	1.000	0.0	0.100	0.100
18	7: 0	0.100	12.600	[illegible]	0.100	0.100	6.600	0.800	0.0	0.100	0.100
19	7:30	0.100	13.400	0.700	0.200	0.100	6.600	0.900	0.200	0.100	0.100
20	8: 0	0.100	11.700	0.800	0.200	0.200	6.700	0.700	0.0	0.200	0.200
21	8:30	0.100	12.100	0.800	0.200	0.200	6.900	0.700	0.100	0.200	0.200
22	9: 0	0.100	13.100	0.700	0.200	0.200	5.600	1.000	0.200	0.200	0.200
23	9:30	0.100	[illegible]	0.100	0.200	0.200	5.900	1.100	0.0	0.200	0.100
24	10: 0	[illegible]	14.700	[illegible]	0.200	0.200	6.700	1.600	0.0	0.200	0.100
25	10:30	[illegible]	15.100	[illegible]	0.200	0.200	7.600	1.600	0.100	0.200	0.100
26	11: 0	[illegible]	[illegible]	[illegible]	0.200	0.200	6.130	2.500	0.200	0.200	0.200
27	11:30	[illegible]	15.200	1.100	0.200	0.200	6.100	2.700	0.260	0.200	0.200
28	12: 0	[illegible]	15.100	1.000	0.200	0.200	6.100	2.900	0.400	0.200	0.200
29	12:30	[illegible]	16.500	1.600	0.300	0.200	6.600	3.200	0.200	0.200	0.200
30	13: 0	[illegible]	16.700	1.600	0.300	0.200	9.700	3.500	0.200	0.300	0.200
31	13:30	[illegible]	16.700	1.200	0.300	0.500	9.600	3.600	0.200	0.200	0.200
32	14: 0	[illegible]	16.200	1.200	0.300	0.300	9.100	3.100	0.100	0.200	0.100
33	14:30	[illegible]	[illegible]	[illegible]	0.300	0.300	8.900	2.300	0.0	0.200	0.100
34	15: 0	[illegible]	[illegible]	[illegible]	0.200	0.200	8.600	2.000	0.200	0.200	0.100
35	15:30	[illegible]	16.400	[illegible]	0.200	0.200	8.600	1.900	-0.100	0.100	0.0
36	16: 0	[illegible]	16.500	[illegible]	0.200	0.200	8.100	1.300	0.100	0.100	0.0
37	16:30	[illegible]	15.500	[illegible]	0.100	0.200	8.500	1.700	-0.200	0.0	0.0
38	17: 0	[illegible]	15.600	[illegible]	0.100	0.100	7.800	1.100	0.100	0.100	0.0
39	17:30	[illegible]	13.700	[illegible]	0.100	0.100	6.900	1.000	0.200	0.100	0.0
40	18: 0	[illegible]	12.800	[illegible]	0.100	0.100	6.000	0.900	0.0	0.100	0.100
41	18:30	[illegible]	10.500	[illegible]	0.100	0.100	6.700	0.600	0.0	0.100	0.100
42	19: 0	[illegible]	4.600	[illegible]	0.100	0.100	5.030	0.400	0.100	0.200	0.100
43	19:30	[illegible]	6.700	[illegible]	0.000	0.200	3.200	0.100	0.200	0.200	0.100
44	25:24	[illegible]	0.900	-0.100	-0.100	0.0	0.400	-0.600	-0.100	-0.100	-0.300

TITLE = CASE 3   DATE 85/10/28   TIME 14:01:48

CH. INDEX		141 T= 71	142 T= 72	143 T= 73	144 T= 74	145 T= 81	146 T= 82	147 T= 83	148 T= 84	149 T= 85	150 T= 91
INITIAL		17.300	17.310	17.200	17.100	17.200	17.300	17.200	17.200	17.100	17.200
FINAL		17.400	16.700	16.700	17.000	17.000	17.200	17.100	17.000	17.000	17.100
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	0.0	0.0	0.0	-0.100	-0.100	-0.100	0.0	0.0	0.0	0.100
3	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.100
4	[illegible]	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.100
5	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.100
6	[illegible]	0.0	0.0	0.0	0.0	0.100	0.0	0.0	0.0	0.100	0.100
7	[illegible]	0.0	0.0	0.0	0.0	0.100	0.0	0.0	0.0	0.0	0.100
8	[illegible]	0.0	0.100	0.0	0.0	0.100	0.0	0.0	0.0	0.0	0.100
9	[illegible]	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.100
10	[illegible]	0.0	0.100	0.100	0.0	0.0	0.0	0.0	0.0	0.100	0.100
11	[illegible]	[illegible]	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.100
12	[illegible]	[illegible]	0.100	0.100	0.0	0.0	0.0	0.0	0.0	0.100	0.100
13	[illegible]	[illegible]	0.100	0.100	0.0	0.0	0.0	0.0	0.0	0.100	0.100
14	[illegible]	[illegible]	0.100	0.100	0.0	0.0	0.0	0.0	0.100	0.100	0.100
15	[illegible]	[illegible]	0.100	0.0	0.0	0.0	0.0	0.0	0.100	0.100	0.100
16	[illegible]	[illegible]	0.100	0.0	0.100	0.0	0.0	0.0	0.100	0.100	0.100
17	[illegible]	[illegible]	0.100	0.100	0.0	0.100	0.0	0.0	0.0	0.100	0.0
18	[illegible]	[illegible]	0.100	0.100	0.100	0.0	0.0	0.0	0.0	0.100	0.0
19	[illegible]	[illegible]	0.100	0.100	0.100	0.0	0.100	0.0	0.0	0.100	0.0
20	[illegible]	[illegible]	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.0
21	[illegible]	[illegible]	0.100	0.0	0.0	-0.100	0.0	0.0	0.0	0.100	0.0
22	[illegible]	[illegible]	0.100	0.0	0.0	-0.100	0.0	0.0	0.0	0.100	0.100
23	[illegible]	[illegible]	0.100	0.0	0.0	0.0	0.100	0.100	0.0	0.100	0.100
24	[illegible]	[illegible]	0.100	0.0	0.0	0.100	0.200	0.100	0.0	0.0	0.100
25	[illegible]	[illegible]	0.100	0.0	0.0	0.100	0.200	0.100	0.0	0.0	0.100
26	[illegible]	[illegible]	0.200	0.100	0.0	0.100	0.200	0.100	0.100	0.100	0.100
27	[illegible]	[illegible]	0.200	0.100	0.0	0.100	0.200	0.100	0.100	0.100	0.0
28	[illegible]	[illegible]	0.100	0.100	0.100	0.0	0.100	0.100	0.100	0.100	0.0
29	[illegible]	[illegible]	0.200	0.100	0.100	0.0	0.100	0.100	0.0	0.100	0.0
30	[illegible]	[illegible]	0.100	0.0	0.0	-0.100	0.100	0.0	0.0	0.0	-0.100
31	[illegible]	[illegible]	0.100	-0.100	0.0	-0.100	0.0	0.0	0.0	0.0	-0.200
32	[illegible]	[illegible]	0.100	-0.100	-0.100	-0.200	0.0	-0.100	0.0	0.0	-0.200
33	[illegible]	[illegible]	0.0	-0.100	-0.100	-0.100	0.0	-0.100	-0.100	0.0	-0.200
34	[illegible]	[illegible]	-0.100	-0.200	-0.200	-0.100	-0.100	-0.100	-0.100	0.0	-0.200
35	[illegible]	[illegible]	-0.100	-0.200	-0.300	-0.200	-0.100	-0.100	-0.100	0.0	-0.200
36	[illegible]	[illegible]	-0.100	-0.200	-0.200	-0.200	-0.100	-0.100	-0.100	0.0	-0.100
37	[illegible]	[illegible]	-0.100	-0.200	-0.200	-0.100	0.0	0.0	0.0	0.0	-0.100
38	[illegible]	[illegible]	0.0	-0.100	-0.100	-0.100	0.100	0.0	0.0	0.0	-0.100
39	[illegible]	[illegible]	0.0	0.0	-0.100	-0.100	0.100	0.0	0.0	0.0	0.0
40	[illegible]	[illegible]	0.100	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0
41	[illegible]	[illegible]	0.0	0.0	0.0	0.0	0.100	0.0	0.0	0.0	0.100
42	[illegible]	[illegible]	0.100	0.0	0.0	0.0	0.100	0.100	0.100	0.100	0.100
43	[illegible]	[illegible]	0.100	0.100	0.0	0.100	0.0	0.100	0.100	0.100	0.0
44	[illegible]	[illegible]	-0.400	-0.100	-0.300	-0.200	-0.100	-0.100	-0.200	-0.100	-0.100

TITLE = CASE 3   DATE 85/10/28   TIME 14:01:48

CH. INDEX		151 T= 92	152 T= 93	153 T= 94	154 T=101	155 T=102	156 T=103	157 T=104	158 T=105	159 T=111	160 T=112
INITIAL		17.200	17.100	17.100	17.600	17.900	17.200	17.200	17.200	17.400	17.200
FINAL		17.600	17.200	17.100	17.200	17.100	17.200	17.200	17.200	17.200	17.100
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	[illegible]	0.100	0.0	0.100	0.100	0.0	0.0	0.0	0.0	0.0	0.0
4	[illegible]	0.100	0.0	0.100	0.100	-0.100	0.100	0.0	0.0	0.0	0.0
5	[illegible]	0.100	0.0	0.100	0.0	-0.100	0.100	0.0	0.0	-0.100	0.0
6	[illegible]	0.100	0.100	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	[illegible]	0.100	0.0	0.100	0.0	-0.100	0.0	0.100	0.100	0.0	0.0
8	[illegible]	0.100	0.100	0.100	0.0	0.0	0.100	0.0	0.100	0.0	0.0
9	[illegible]	0.100	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	[illegible]	0.100	0.100	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	[illegible]	0.100	0.100	0.100	0.100	0.0	0.100	0.100	0.100	0.0	0.0
12	[illegible]	0.100	0.100	0.100	0.0	-0.100	0.0	0.100	0.100	0.0	0.0
13	[illegible]	0.100	0.100	0.100	0.100	0.0	0.100	0.100	0.100	-0.100	0.0
14	[illegible]	0.100	0.100	0.100	0.0	0.0	0.100	0.100	0.0	-0.100	0.0
15	[illegible]	0.100	0.100	0.100	0.0	-0.100	0.0	0.0	0.0	-0.100	0.0
16	[illegible]	0.100	0.100	0.100	0.0	-0.100	0.100	0.0	0.0	-0.100	0.0
17	[illegible]	0.100	0.100	0.100	-0.100	0.0	0.100	0.0	0.0	-0.100	-0.100
18	[illegible]	0.100	0.100	0.100	-0.100	-0.100	0.100	0.100	0.0	-0.100	-0.100
19	[illegible]	0.100	0.100	0.100	-0.100	-0.100	0.100	0.100	0.0	-0.100	0.0
20	[illegible]	0.100	0.100	0.100	-0.100	-0.100	0.100	0.100	0.100	0.0	0.100
21	[illegible]	[illegible]	0.100	0.100	0.0	-0.100	0.200	0.100	0.100	0.100	0.100
22	[illegible]	[illegible]	0.100	0.200	0.100	0.0	0.200	0.200	0.200	0.0	0.100
23	[illegible]	[illegible]	0.200	0.200	0.100	0.0	0.200	0.200	0.200	0.0	0.0
24	[illegible]	[illegible]	0.200	0.200	0.0	0.0	0.200	0.100	0.100	0.0	0.0
25	[illegible]	[illegible]	0.200	0.200	0.0	-0.100	0.200	0.100	0.0	-0.100	-0.100
26	[illegible]	[illegible]	0.200	0.200	0.0	-0.100	0.200	0.100	0.100	-0.100	0.0
27	[illegible]	[illegible]	0.100	0.100	0.0	-0.100	0.100	0.100	0.0	-0.100	-0.100
28	[illegible]	[illegible]	0.100	0.100	-0.100	-0.200	0.100	0.100	0.0	-0.100	-0.200
29	[illegible]	[illegible]	0.100	0.100	-0.100	-0.200	0.100	0.100	-0.100	-0.100	-0.200
30	[illegible]	[illegible]	0.0	0.100	-0.200	-0.200	0.100	0.0	-0.100	-0.300	-0.200
31	[illegible]	[illegible]	0.0	0.0	-0.200	-0.100	0.0	0.0	-0.100	-0.300	-0.200
32	[illegible]	[illegible]	-0.100	0.0	-0.300	-0.100	0.0	0.0	-0.100	-0.300	-0.200
33	[illegible]	[illegible]	0.0	0.0	-0.200	-0.100	0.100	0.0	0.0	-0.200	-0.100
34	[illegible]	[illegible]	-0.100	0.0	-0.200	-0.200	0.100	0.0	0.0	-0.100	-0.100
35	[illegible]	[illegible]	0.0	0.0	-0.100	-0.100	0.100	0.100	0.0	-0.100	-0.100
36	[illegible]	[illegible]	0.0	0.100	-0.100	-0.200	0.100	0.0	0.100	-0.100	-0.100
37	[illegible]	[illegible]	0.0	0.100	-0.100	-0.200	0.100	0.100	0.100	-0.200	-0.100
38	[illegible]	[illegible]	0.100	0.0	-0.100	-0.200	0.100	0.100	0.100	-0.100	0.0
39	[illegible]	[illegible]	0.0	0.100	-0.100	-0.100	0.200	0.100	0.200	0.100	0.100
40	[illegible]	[illegible]	0.100	0.200	0.0	0.0	0.200	0.200	0.200	0.0	0.100
41	[illegible]	[illegible]	0.200	0.200	0.0	0.0	0.200	0.100	0.100	-0.300	-0.200
42	[illegible]	[illegible]	0.100	0.100	-0.100	-0.200	0.0	0.0	-0.100	-0.500	-0.300
43	[illegible]	[illegible]	-0.100	0.0	-0.200	-0.100	0.0	0.0	-0.100	-0.500	-0.300
44	[illegible]	[illegible]	-0.100	0.0	-0.200	-0.100	0.0	0.0	0.0	-0.200	-0.100

TITLE = CASE 3   DATE 85/10/28   TIME 14:01:48

CH. INDEX		161 T=113	162 T=114	163 T=121	164 T=122	165 T=123	166 T=124	167 T=125	168 T=131	169 T=132	170 T=133
INITIAL		17.400	17.500	17.600	17.300	17.300	17.400	17.300	17.400	17.400	17.400
FINAL		17.200	17.200	17.300	17.200	17.100	17.300	17.200	17.200	17.200	17.200
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	-0.100	-0.100
3	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	-0.100	-0.100
4	[illegible]	-0.100	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	-0.100
5	[illegible]	-0.100	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	[illegible]	-0.100	0.0	0.0	0.100	0.0	0.0	0.0	0.0	0.0	-0.100
7	[illegible]	-0.100	0.0	0.100	0.100	0.100	0.0	0.100	-0.100	0.0	-0.100
8	[illegible]	0.0	0.100	0.0	0.100	0.0	0.0	0.0	-0.100	-0.100	-0.100
9	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.200	-0.200	-0.200
10	[illegible]	0.0	0.0	0.0	0.0	0.0	-0.100	0.0	-0.200	-0.100	-0.200
11	[illegible]	-0.100	0.0	-0.100	0.0	-0.100	-0.100	-0.100	-0.200	-0.200	-0.200
12	[illegible]	-0.100	-0.100	-0.100	0.0	-0.100	-0.100	-0.100	-0.300	-0.200	-0.200
13	[illegible]	-0.100	-0.100	-0.100	0.0	0.0	-0.100	0.0	-0.200	-0.200	-0.200
14	[illegible]	-0.100	0.0	-0.100	-0.100	-0.100	-0.100	-0.100	-0.200	-0.200	-0.200
15	[illegible]	-0.100	-0.100	-0.200	-0.100	-0.100	-0.200	-0.100	-0.200	-0.200	-0.100
16	[illegible]	-0.300	-0.100	-0.200	-0.100	-0.100	-0.100	-0.100	-0.100	-0.200	-0.100
17	[illegible]	-0.200	-0.100	-0.100	-0.100	0.0	-0.100	0.0	-0.100	0.0	-0.200
18	[illegible]	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.100	-0.100
19	[illegible]	0.0	0.100	0.100	0.200	0.100	0.100	0.100	0.100	0.100	0.100
20	[illegible]	0.0	0.100	0.200	0.200	0.100	0.200	0.100	0.0	0.0	-0.100
21	[illegible]	0.100	0.200	0.100	0.100	0.100	0.100	0.100	-0.100	-0.100	-0.100
22	[illegible]	0.100	0.100	0.0	0.100	0.0	0.0	0.100	-0.200	-0.300	-0.200
23	[illegible]	0.0	0.100	-0.100	-0.100	-0.100	-0.100	0.0	-0.100	-0.100	-0.200
24	[illegible]	-0.100	0.0	-0.100	0.0	-0.100	-0.100	-0.100	-0.200	-0.200	-0.300
25	[illegible]	-0.100	0.0	0.0	0.0	-0.100	-0.100	-0.100	-0.400	-0.400	-0.400
26	[illegible]	-0.100	0.0	-0.200	-0.200	-0.200	-0.200	-0.100	-0.400	-0.400	-0.400
27	[illegible]	-0.200	-0.100	-0.200	-0.200	-0.300	-0.100	-0.200	-0.500	-0.500	-0.400
28	[illegible]	-0.100	-0.100	-0.200	-0.100	-0.300	-0.100	-0.200	-0.400	-0.500	-0.400
29	[illegible]	-0.100	-0.100	-0.300	-0.100	-0.300	-0.300	-0.200	-0.300	-0.300	-0.400
30	[illegible]	-0.100	-0.200	-0.200	-0.200	-0.200	-0.200	-0.100	-0.100	-0.200	-0.100
31	[illegible]	-0.200	-0.100	-0.100	-0.100	-0.200	-0.200	-0.100	-0.200	-0.200	-0.200
32	[illegible]	-0.200	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
33	[illegible]	-0.100	0.0	0.0	0.0	-0.100	0.0	0.0	-0.200	-0.200	-0.200
34	[illegible]	-0.100	0.0	-0.100	0.0	-0.100	0.0	0.0	-0.200	-0.100	-0.100
35	[illegible]	-0.100	0.0	0.0	0.0	-0.100	0.0	0.0	-0.200	-0.200	-0.200
36	[illegible]	-0.100	0.0	-0.100	-0.100	-0.100	0.0	0.0	-0.200	-0.100	-0.100
37	[illegible]	-0.100	0.0	0.0	0.0	-0.100	0.0	0.0	0.0	0.100	0.0
38	[illegible]	0.0	0.100	0.200	0.200	0.100	0.0	0.200	0.100	0.200	0.100
39	[illegible]	0.100	0.200	0.200	0.200	0.100	0.200	0.200	-0.100	-0.400	-0.100
40	[illegible]	0.0	0.100	-0.300	-0.300	-0.300	-0.300	-0.100	-0.500	-0.600	-0.600
41	[illegible]	-0.600	-0.700	-0.600	-0.600	-0.600	-0.600	-0.100	-0.600	-0.600	-0.600
42	[illegible]	-0.500	-0.500	-0.400	-0.500	-0.400	-0.400	-0.100	-0.600	-0.700	-0.600
43	[illegible]	-0.400	-0.400	-0.500	-0.400	-0.500	-0.500	-0.100	-0.700	-0.700	-0.600
44	[illegible]	-0.300	-0.100	-0.100	-0.100	-0.200	-0.100	-0.100	-0.200	-0.200	-0.200

TITLE = CASE 3   DATE 85/10/28   TIME 14:01:48

CH. INDEX		171 T=134	172 T=141	173 T=151	201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31
INITIAL		17.600	17.400	17.500	0.150	0.162	0.157	0.161	0.161	0.159	0.163
FINAL		17.500	16.500	17.600	0.151	0.157	0.156	0.161	0.161	0.159	0.158
LOOP	TIME	(C)	(C)	(C)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	[illegible]	0.0	0.0	0.0	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	[illegible]	0.0	-0.100	-0.100	[illegible]	100.012	100.019	100.031	100.047	100.044	99.994
3	[illegible]	0.0	0.0	0.0	[illegible]	100.002	99.988	100.011	100.006	100.051	99.998
4	[illegible]	-0.100	0.0	-0.100	[illegible]	100.000	100.025	100.019	100.019	100.006	100.006
5	[illegible]	0.0	0.100	-0.100	[illegible]	100.145	99.962	100.043	99.981	100.019	100.000
6	[illegible]	0.0	0.100	-0.100	[illegible]	100.156	100.019	100.017	100.012	100.019	100.012
7	[illegible]	0.0	0.100	0.0	[illegible]	100.145	99.988	100.056	99.994	100.031	99.988
8	[illegible]	-0.200	0.100	-0.100	[illegible]	100.088	100.045	100.056	100.017	100.031	100.006
9	[illegible]	-0.200	0.200	-0.100	[illegible]	100.000	100.003	100.050	100.075	100.025	100.012
10	[illegible]	-0.100	0.300	0.0	[illegible]	95.888	100.019	100.062	100.100	100.050	100.000
11	[illegible]	-0.100	[illegible]	-0.100	[illegible]	96.209	100.119	100.076	100.100	100.065	99.570
12	[illegible]	-0.200	[illegible]	-0.100	[illegible]	86.611	99.975	100.076	100.050	100.065	86.557
13	[illegible]	-0.200	[illegible]	-0.100	[illegible]	88.927	97.809	100.087	100.082	100.075	81.507
14	[illegible]	-0.200	[illegible]	-0.100	[illegible]	87.557	100.051	100.087	100.050	100.065	86.705
15	[illegible]	-0.200	[illegible]	-0.100	[illegible]	88.015	95.216	100.093	100.044	100.057	87.712
16	[illegible]	-0.100	[illegible]	-0.100	[illegible]	91.082	95.361	100.081	100.050	100.019	88.551
17	[illegible]	0.0	[illegible]	-0.100	[illegible]	95.759	97.561	100.081	100.137	100.057	91.818
18	[illegible]	0.0	[illegible]	0.0	[illegible]	96.156	96.282	100.087	100.118	100.088	94.580
19	[illegible]	-0.200	[illegible]	0.0	[illegible]	95.602	98.387	100.088	100.062	100.075	96.905
20	[illegible]	0.100	[illegible]	0.0	[illegible]	96.190	98.162	100.012	100.181	100.088	97.817
21	[illegible]	0.0	[illegible]	0.0	[illegible]	96.571	97.741	99.988	100.060	100.038	97.094
22	[illegible]	-0.200	[illegible]	0.0	[illegible]	95.708	97.742	99.913	100.081	100.000	95.421
23	[illegible]	-0.100	[illegible]	0.0	[illegible]	91.666	96.465	99.912	100.137	100.006	95.567
24	[illegible]	-0.100	[illegible]	0.0	[illegible]	95.025	96.776	99.037	100.169	100.041	96.077
25	[illegible]	-0.200	[illegible]	0.0	[illegible]	85.101	96.676	99.070	100.118	100.000	95.825
26	[illegible]	-0.200	[illegible]	0.0	[illegible]	92.872	96.789	99.225	100.056	100.013	96.026
27	[illegible]	-0.100	[illegible]	0.0	[illegible]	96.661	97.150	99.886	100.051	100.006	95.667
28	[illegible]	-0.100	[illegible]	0.0	[illegible]	96.144	96.863	99.906	100.031	100.006	96.881
29	[illegible]	-0.200	[illegible]	0.0	[illegible]	96.759	96.292	99.656	100.106	100.019	95.311
30	[illegible]	-0.100	[illegible]	0.0	[illegible]	95.671	93.245	99.662	100.019	100.000	96.876
31	[illegible]	-0.100	[illegible]	0.0	[illegible]	97.149	95.425	99.206	99.882	99.950	97.244
32	[illegible]	0.0	[illegible]	0.0	[illegible]	97.606	96.088	99.927	99.857	99.969	97.956
33	[illegible]	0.0	[illegible]	0.0	[illegible]	97.009	96.069	99.175	99.994	99.969	98.257
34	[illegible]	0.0	[illegible]	0.0	[illegible]	97.779	96.309	99.007	99.561	99.837	98.446
35	[illegible]	-0.100	[illegible]	0.0	[illegible]	97.710	96.825	99.162	100.081	99.950	98.355
36	[illegible]	0.0	[illegible]	0.100	[illegible]	97.809	97.560	99.307	100.064	99.962	98.264
37	[illegible]	0.100	[illegible]	0.0	[illegible]	97.601	96.661	99.766	100.226	100.013	98.017
38	[illegible]	0.100	[illegible]	0.100	[illegible]	97.015	97.717	99.560	100.188	100.075	97.000
39	[illegible]	-0.200	[illegible]	0.100	[illegible]	96.060	97.302	99.690	100.081	100.019	97.617
40	[illegible]	-0.400	[illegible]	0.100	[illegible]	96.060	96.818	99.607	100.156	100.013	97.650
41	[illegible]	-0.500	[illegible]	0.100	[illegible]	97.767	95.812	99.816	100.156	99.950	97.556
42	[illegible]	-0.500	[illegible]	0.100	[illegible]	96.976	96.912	99.824	100.099	100.050	97.400
43	[illegible]	-0.500	[illegible]	0.100	[illegible]	97.146	97.666	99.700	100.037	99.987	97.460
44	[illegible]	-0.100	[illegible]	0.0	[illegible]	96.877	97.800	100.019	100.160	99.963	97.701

TITLE = CASE 3 DATE 85/10/28 TIME 14: 0146

CH. INDEX		208 S= 32	209 S= 33	210 S= 34	211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 45	217 S= 51
INITIAL		0.155	0.157	0.157	0.160	0.155	0.156	0.158	0.149	0.163	0.155
FINAL		0.157	0.156	0.157	0.160	0.153	0.156	0.155	0.149	0.163	0.151
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0' 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0' 0	99.961	100.000	99.996	100.011	100.019	100.008	100.000	100.015	100.186	100.012
3	0' 0	99.979	99.987	100.002	100.025	100.032	99.987	100.006	99.987	100.076	99.981
4	0' 0	99.987	100.008	100.002	100.011	100.019	99.975	100.006	100.007	99.996	99.994
5	0'30	99.996	99.987	100.032	99.996	100.066	100.000	100.013	99.973	100.104	99.956
6	1' 0	99.961	100.013	100.019	100.006	100.052	100.032	100.013	99.993	100.123	99.981
7	1'30	99.987	99.987	100.019	100.019	100.077	99.987	100.013	99.966	100.147	99.929
8	2' 0	99.975	100.013	100.019	100.031	100.071	100.052	100.019	99.993	100.135	99.929
9	2'30	99.961	100.032	100.025	100.030	100.077	99.960	100.000	100.020	100.104	99.974
10	3' 0	99.961	100.032	100.019	100.045	100.077	99.948	100.000	100.020	100.221	99.903
11	3'30	99.961	100.013	100.019	100.051	100.000	99.987	100.000	100.020	100.331	99.903
12	4' 0	91.390	100.000	100.032	100.032	99.199	99.975	99.987	99.988	100.193	99.710
13	4'30	[illegible]	100.006	100.057	100.006	91.583	99.193	99.968	99.993	100.266	99.767
14	5' 0	[illegible]	99.785	100.051	100.050	88.512	99.631	99.961	99.993	100.208	99.421
15	5'30	[illegible]	99.996	100.065	100.032	86.157	95.262	99.910	99.980	100.266	88.500
16	6' 0	73.691	99.710	100.045	100.011	80.698	91.350	100.000	99.987	100.208	85.012
17	6'30	77.391	98.038	100.025	100.075	80.659	85.097	91.998	100.070	100.314	87.886
18	7' 0	77.763	98.085	99.801	100.065	91.026	86.517	99.662	100.007	100.349	88.929
19	7'30	78.635	[illegible]	100.032	100.058	92.611	88.088	97.957	99.973	100.368	90.787
20	8' 0	[illegible]	99.398	100.000	100.091	99.662	91.538	98.167	100.027	100.315	92.150
21	8'30	92.671	98.706	100.095	100.058	98.866	92.709	92.208	99.987	100.235	91.650
22	9' 0	[illegible]	99.990	99.617	100.087	98.716	95.170	92.291	99.973	100.106	95.703
23	9'30	[illegible]	99.292	99.095	100.075	96.001	95.191	95.926	100.036	100.086	97.071
24	10' 0	[illegible]	87.360	99.053	100.000	95.632	95.670	96.301	100.020	100.106	96.900
25	10'30	[illegible]	99.100	95.730	100.001	96.751	92.719	96.031	100.000	100.082	96.180
26	11' 0	80.811	99.820	99.610	100.075	96.801	92.720	97.622	99.987	100.076	93.962
27	11'30	[illegible]	97.811	99.707	100.098	95.208	96.068	96.657	100.007	100.116	92.719
28	12' 0	[illegible]	99.700	99.720	100.000	95.726	92.959	96.412	99.966	100.135	92.217
29	12'30	[illegible]	98.796	97.696	100.000	95.667	91.959	94.322	99.951	100.250	91.650
30	13' 0	[illegible]	99.906	99.312	100.005	98.209	96.219	95.596	99.900	100.031	96.212
31	13'30	92.861	97.253	99.034	100.090	96.211	96.599	95.687	96.778	99.835	93.071
32	14' 0	91.597	97.016	99.756	100.061	97.290	96.212	96.809	99.951	99.916	96.966
33	14'30	93.976	91.800	99.156	100.076	96.132	96.203	96.606	100.011	100.040	96.666
34	15' 0	[illegible]	95.962	96.068	100.000	95.176	96.356	95.761	99.966	99.896	96.090
35	15'30	95.970	[illegible]	[illegible]	100.115	96.563	97.567	96.908	99.980	99.700	95.418
36	16' 0	96.751	96.961	96.796	100.075	96.738	96.898	93.056	99.960	100.017	96.227
37	16'30	96.610	97.930	96.953	100.125	96.670	97.615	97.106	99.990	100.006	97.676
38	17' 0	99.700	96.209	96.916	100.075	96.176	95.767	96.156	99.980	100.161	96.219
39	17'30	96.127	96.915	96.976	100.013	96.150	97.115	99.076	99.955	100.017	96.187
40	18' 0	97.712	96.092	96.917	100.000	96.001	96.097	98.049	99.906	100.098	96.061
41	18'30	96.756	97.695	99.711	100.000	96.167	97.696	98.882	99.966	100.040	96.240
42	19' 0	97.293	[illegible]	[illegible]	100.095	97.007	96.339	99.369	99.980	100.355	96.666
43	19'30	97.706	[illegible]	[illegible]	100.056	87.550	70.670	99.656	99.987	100.161	96.659
44	25'24	[illegible]	99.323	100.020	100.085	99.925	96.675	99.566	99.966	99.886	97.275

TITLE = CASE 3 DATE 85/10/28 TIME 14: 0146

CH. INDEX		218 S= 52	219 S= 53	220 S= 54	221 S= 61	222 S= 62	223 S= 63	224 S= 64	225 S= 71	226 S= 72	227 S= 81
INITIAL		0.161	0.165	0.155	0.147	0.155	0.155	0.157	0.150	0.156	0.156
FINAL		0.162	0.162	0.156	0.145	0.155	0.152	0.157	0.151	0.158	0.156
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0' 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0' 0	100.161	99.977	100.129	99.996	100.019	100.166	100.013	100.020	99.025	100.013
3	0' 0	100.050	99.762	100.026	100.000	100.000	100.059	100.006	99.960	100.420	99.981
4	0' 0	99.991	99.960	100.013	100.027	100.011	100.019	100.000	99.920	100.448	100.032
5	0'30	[illegible]	99.969	100.054	100.020	100.026	100.005	100.019	99.967	100.461	100.045
6	1' 0	100.069	99.603	100.026	100.036	100.019	100.019	100.000	99.960	100.461	100.057
7	1'30	[illegible]	99.951	100.007	100.000	100.017	100.110	100.019	99.960	100.456	100.065
8	2' 0	100.067	99.996	100.026	100.075	100.019	100.013	100.000	100.060	100.456	100.045
9	2'30	100.056	99.968	100.256	99.952	100.006	100.097	99.996	100.093	100.461	100.017
10	3' 0	100.129	99.976	100.136	99.911	99.996	100.137	100.000	100.067	100.476	100.045
11	3'30	100.221	99.957	100.220	99.870	99.996	100.240	100.019	100.055	100.467	100.097
12	4' 0	100.125	99.893	100.125	89.890	92.960	100.111	100.019	100.020	100.476	100.039
13	4'30	100.167	99.963	100.136	99.700	99.960	100.193	100.019	99.936	100.480	100.052
14	5' 0	[illegible]	99.763	100.110	99.600	99.991	100.157	100.019	99.980	100.488	100.050
15	5'30	100.867	99.951	100.162	99.600	99.923	100.157	100.000	99.867	100.495	100.050
16	6' 0	99.613	99.953	100.091	98.661	99.626	100.111	100.000	99.801	100.487	100.071
17	6'30	96.977	99.981	100.220	96.655	100.045	100.768	100.000	99.676	100.487	100.058
18	7' 0	[illegible]	99.917	100.233	98.690	100.019	100.268	100.013	100.100	100.487	100.065
19	7'30	96.071	99.920	100.200	91.021	99.905	100.101	100.019	100.006	100.500	100.081
20	8' 0	95.767	99.907	100.166	90.959	99.987	100.306	100.000	100.113	100.506	100.097
21	8'30	96.871	96.900	100.116	91.161	99.077	100.170	99.994	100.126	100.487	100.091
22	9' 0	93.965	99.720	100.017	91.252	97.915	100.072	99.987	100.146	100.487	100.091
23	9'30	99.251	99.000	100.010	91.309	98.556	99.900	99.975	100.146	100.513	100.071
24	10' 0	96.027	99.916	100.052	91.807	96.066	100.007	99.960	100.186	100.495	100.078
25	10'30	96.195	100.000	100.021	92.773	96.052	99.670	99.975	100.153	100.506	100.071
26	11' 0	99.517	99.762	99.995	92.712	95.205	99.280	99.975	100.146	100.500	100.071
27	11'30	96.961	99.970	99.911	91.730	95.163	99.760	99.955	100.146	100.509	100.071
28	12' 0	96.919	99.755	100.000	91.455	95.270	96.996	99.961	99.502	100.506	100.065
29	12'30	[illegible]	99.611	100.076	91.502	95.050	96.020	99.975	96.179	100.493	100.078
30	13' 0	91.613	99.901	96.022	96.507	96.625	96.751	99.962	96.197	100.906	100.071
31	13'30	96.196	99.507	96.722	91.637	96.876	99.627	99.011	95.621	100.519	100.058
32	14' 0	99.065	99.602	99.026	92.961	96.656	99.800	99.063	95.287	100.487	100.078
33	14'30	96.772	99.786	99.916	97.567	96.760	99.908	99.963	95.960	100.500	100.091
34	15' 0	[illegible]	[illegible]	[illegible]	95.263	96.673	99.836	99.036	95.960	100.500	100.078
35	15'30	96.795	99.606	96.891	95.716	96.686	99.979	99.075	95.975	100.506	100.078
36	16' 0	96.902	99.610	96.960	96.135	96.966	99.921	99.063	100.255	100.500	100.091
37	16'30	96.051	99.565	96.212	96.566	96.711	96.761	99.026	100.266	100.506	100.091
38	17' 0	100.060	99.601	96.601	95.125	96.676	96.710	99.660	100.175	100.500	100.091
39	17'30	97.177	99.957	96.760	95.560	96.216	96.777	99.050	100.155	100.513	100.086
40	18' 0	97.606	99.606	96.516	96.311	99.697	96.766	99.056	100.193	100.513	100.106
41	18'30	96.650	96.987	96.195	96.802	99.610	100.060	99.060	100.190	100.513	100.106
42	19' 0	96.526	99.951	100.110	96.730	100.155	100.321	99.987	100.170	100.532	100.125
43	19'30	96.676	97.606	96.576	99.666	100.175	99.960	99.016	100.175	100.576	100.106
44	25'24	96.919	99.762	96.709	99.100	100.160	99.777	99.017	100.206	100.552	100.156

TITLE = CASE 3 DATE 85/10/28 TIME 14: 0146

CH. INDEX		228 S= 82	229 S= 83	230 S= 91	231 S= 92	232 S=101	233 S=102	234 S=103	235 S=111	236 S=112	237 S=121
INITIAL		0.155	0.157	0.157	0.156	0.149	0.156	0.158	0.155	0.157	0.150
FINAL		0.156	0.157	0.157	0.156	0.149	0.156	0.159	0.156	0.157	0.158
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0' 0	100.000	100.003	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0' 0	100.026	100.020	100.015	100.013	100.026	100.026	100.013	100.026	100.026	100.006
3	0' 0	100.019	99.987	100.000	100.013	100.036	100.040	100.013	100.000	100.000	99.996
4	0' 0	100.012	99.987	100.000	99.987	100.007	100.013	100.006	100.013	99.987	100.000
5	0'30	100.089	100.000	100.006	99.996	100.056	100.019	100.006	100.019	100.000	100.019
6	1' 0	100.020	99.988	99.996	99.987	100.007	100.019	100.025	100.019	99.993	100.006
7	1'30	100.000	99.968	100.019	99.996	100.026	100.019	100.019	100.013	99.991	100.006
8	2' 0	[illegible]	99.996	100.000	99.976	100.000	100.026	100.013	100.013	99.987	100.013
9	2'30	100.026	99.987	100.000	99.996	99.991	100.026	99.996	100.019	99.993	100.013
10	3' 0	[illegible]	99.996	100.100	100.000	100.056	100.019	100.019	100.058	99.987	100.006
11	3'30	100.039	100.000	100.026	99.981	100.000	100.032	100.025	100.065	100.026	100.038
12	4' 0	100.026	99.930	100.119	99.981	100.000	100.013	100.006	100.026	100.000	100.025
13	4'30	100.013	100.000	100.019	99.962	100.026	100.026	100.006	100.000	100.007	100.019
14	5' 0	100.010	99.987	100.013	99.962	100.000	100.026	100.013	100.032	99.961	100.013
15	5'30	100.013	99.900	100.005	99.966	100.000	100.026	100.006	100.065	100.000	100.025
16	6' 0	100.006	99.987	100.013	99.960	100.013	100.032	100.006	100.032	99.980	100.019
17	6'30	100.012	99.987	100.026	99.981	100.007	100.019	100.006	100.091	99.993	100.025
18	7' 0	100.003	100.000	100.012	99.987	100.060	100.065	100.013	100.039	100.007	100.025
19	7'30	[illegible]	100.000	100.012	99.960	100.056	100.019	100.006	100.065	100.007	100.013
20	8' 0	100.009	100.003	100.032	99.986	100.000	100.019	100.019	100.019	100.000	100.025
21	8'30	100.069	99.961	100.013	99.980	100.036	100.013	100.006	100.013	99.976	100.013
22	9' 0	100.005	99.980	100.019	99.936	100.020	100.019	100.000	100.039	99.976	100.006
23	9'30	100.026	99.975	100.000	99.962	100.040	100.013	99.976	100.032	99.967	100.006
24	10' 0	[illegible]	99.961	100.013	99.962	100.036	100.006	99.996	100.019	99.960	100.006
25	10'30	[illegible]	99.962	100.013	99.955	100.007	100.013	99.996	100.019	99.967	99.906
26	11' 0	100.026	99.962	100.000	99.936	100.056	100.006	100.000	100.019	99.956	100.000
27	11'30	100.013	99.956	100.000	99.921	100.036	99.946	99.987	100.045	99.956	100.000
28	12' 0	100.019	99.971	100.000	99.923	100.056	100.000	99.996	100.051	99.960	100.006
29	12'30	100.026	99.976	100.013	99.960	100.027	100.026	100.006	100.071	99.956	100.006
30	13' 0	100.000	99.956	100.026	99.916	100.000	100.000	100.000	100.058	99.956	100.000
31	13'30	99.967	99.963	99.973	99.967	100.020	99.968	100.000	100.006	99.928	99.994
32	14' 0	100.013	99.963	100.019	99.910	100.013	99.987	100.000	100.013	99.936	100.000
33	14'30	100.026	99.965	100.013	99.916	100.007	100.006	100.011	100.000	99.967	99.987
34	15' 0	100.013	99.988	100.000	99.947	100.027	99.961	100.019	100.013	99.928	99.987
35	15'30	99.996	99.977	99.981	99.966	99.961	99.976	100.025	100.045	99.921	100.000
36	16' 0	100.019	99.965	100.019	99.987	100.040	100.013	100.051	100.057	99.960	100.019
37	16'30	100.013	99.965	99.965	99.961	100.000	99.976	100.030	100.051	99.936	100.006
38	17' 0	100.013	99.967	100.000	99.997	100.060	100.060	100.051	100.077	99.967	100.013
39	17'30	100.000	99.965	100.000	99.991	100.019	100.011	100.051	100.006	99.956	100.013
40	18' 0	100.026	99.999	100.113	99.976	100.000	100.013	100.051	100.086	99.956	100.019
41	18'30	100.013	99.982	100.026	99.967	100.027	100.019	100.457	100.109	99.967	100.032
42	19' 0	100.050	99.775	100.032	99.967	100.076	100.045	100.057	100.167	99.987	100.051
43	19'30	100.026	99.963	100.019	99.970	100.047	100.013	100.063	100.122	99.956	100.025
44	25'24	[illegible]	99.965	100.026	99.954	100.036	100.026	100.085	100.135	99.976	100.057

TITLE = CASE 3 DATE 85/10/28 TIME 14: 0146

CH. INDEX		238 S=122	239 S=123	240 S=131
INITIAL		0.155	0.157	0.127
FINAL		0.155	0.157	0.130
LOOP	TIME	(%)	(%)	(%)
1	0' 0	100.000	100.000	100.000
2	0' 0	100.020	100.000	100.160
3	0' 0	99.995	99.975	100.361
4	0' 0	100.000	99.981	100.426
5	0'30	99.995	99.981	101.125
6	1' 0	100.000	99.901	101.235
7	1'30	99.996	99.987	101.850
8	2' 0	99.950	99.981	101.818
9	2'30	99.955	99.981	101.801
10	3' 0	99.990	99.981	101.868
11	3'30	99.976	99.987	101.878
12	4' 0	99.965	99.976	100.669
13	4'30	99.987	99.981	100.075
14	5' 0	99.965	99.975	99.920
15	5'30	99.956	99.961	99.517
16	6' 0	99.967	99.961	97.866
17	6'30	99.987	99.997	98.819
18	7' 0	99.987	99.981	99.791
19	7'30	99.991	97.976	99.866
20	8' 0	99.981	99.987	99.613
21	8'30	99.607	99.955	98.165
22	9' 0	99.901	99.962	99.862
23	9'30	99.987	99.955	98.987
24	10' 0	99.996	99.965	97.369
25	10'30	99.901	99.931	98.091
26	11' 0	99.957	99.919	99.156
27	11'30	99.901	99.956	98.171
28	12' 0	99.961	99.916	97.960
29	12'30	99.907	99.911	97.789
30	13' 0	99.951	99.976	97.637
31	13'30	99.901	99.905	97.670
32	14' 0	99.901	99.917	98.159
33	14'30	99.987	99.916	98.890
34	15' 0	99.911	99.905	98.771
35	15'30	99.955	99.990	99.761
36	16' 0	99.987	99.976	99.701
37	16'30	99.901	99.920	100.161
38	17' 0	99.901	99.926	100.378
39	17'30	99.961	99.941	100.591
40	18' 0	99.907	99.991	100.653
41	18'30	99.956	99.910	100.712
42	19' 0	100.000	99.965	100.310
43	19'30	99.950	99.910	100.802
44	25'24	100.020	99.960	101.656

実験No.12 TITLE : CASE 2 (A) DATE 85/10/28 TIME 15:21:11

CH. INDEX		101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		18.300	18.400	18.000	17.500	17.500	17.000	17.400	17.900	17.500	17.000
FINAL		31.503	20.100	22.000	20.400	20.000	18.300	17.900	18.100	18.300	24.000
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	-0.100	0.0	0.0	0.100	-0.100	0.0	0.200	0.0	0.100	-0.100
3	01 0	-0.100	0.100	0.0	0.100	0.0	0.0	0.200	0.0	0.100	0.100
4	01 0	30.200	6.800	3.600	1.800	0.100	0.100	0.0	0.0	0.100	0.900
5	0130	50.900	33.900	21.800	4.600	0.500	0.200	0.500	0.100	0.100	17.300
6	11 0	67.600	44.800	30.900	6.500	0.800	0.300	0.400	0.100	0.200	29.300
7	1130	78.000	46.700	37.000	16.600	1.300	0.400	0.300	0.200	0.200	35.700
8	21 0	82.600	49.700	41.500	19.000	1.600	0.500	0.700	0.100	0.300	39.100
9	2130	85.900	53.700	44.000	18.500	1.800	0.600	0.600	0.100	0.300	42.400
10	31 0	97.200	57.100	46.800	22.100	2.000	0.800	0.800	0.400	0.400	44.700
11	3130	108.300	59.000	48.800	26.200	2.100	0.900	0.800	0.400	0.500	47.900
12	41 0	106.500	62.800	52.000	29.800	2.600	1.000	0.600	0.500	0.500	49.400
13	4130	107.900	66.700	56.200	29.900	3.300	1.100	0.700	0.600	0.600	51.200
14	51 0	114.200	69.000	58.200	32.100	4.550	1.200	1.100	0.800	0.600	56.200
15	5130	112.000	72.500	61.800	33.500	7.300	1.500	1.000	0.700	0.700	58.500
16	61 0	118.000	75.100	61.700	35.300	8.800	1.700	1.200	0.800	0.700	60.800
17	6130	119.300	76.600	60.900	36.900	9.800	1.900	1.200	0.800	0.700	62.100
18	71 0	119.800	77.800	61.800	35.900	10.100	2.000	1.700	0.900	0.800	62.900
19	7130	123.800	79.400	65.000	37.900	10.100	2.100	1.600	0.900	0.800	63.800
20	81 0	125.900	80.500	67.500	37.900	10.200	2.300	1.400	0.900	0.800	65.800
21	8130	127.800	81.500	85.400	57.000	10.700	2.300	1.700	0.900	0.900	65.300
22	91 0	127.700	81.100	86.200	36.400	10.500	2.400	1.800	1.000	1.000	66.000
23	9130	126.300	83.800	87.300	38.400	10.700	2.400	1.800	1.000	0.900	67.700
24	101 0	128.800	82.800	88.000	38.000	10.900	2.400	1.900	1.000	1.000	67.400
25	10130	129.100	82.900	87.700	40.200	10.800	2.500	1.700	1.000	1.000	67.400
26	111 0	126.700	81.700	86.300	39.100	10.900	2.800	1.700	1.000	1.000	67.300
27	11130	125.800	81.300	86.300	38.800	10.700	2.900	1.500	1.000	1.100	67.000
28	121 0	121.600	78.100	86.000	39.400	10.800	2.500	1.400	1.100	1.100	66.500
29	12130	112.800	76.200	83.000	39.500	11.500	2.500	1.800	1.100	1.100	61.900
30	131 0	103.900	67.600	59.800	36.200	11.700	2.400	1.700	1.000	1.700	59.400
31	13130	88.900	63.800	52.600	33.800	10.600	2.100	1.900	1.100	1.100	54.300
32	141 0	89.200	58.900	49.900	29.900	10.100	2.100	1.800	1.000	1.100	51.800
33	14130	84.700	56.900	46.900	27.600	10.900	2.200	1.600	1.000	1.100	47.700
34	151 0	70.400	50.800	40.800	25.700	9.000	2.100	1.600	1.000	1.100	44.900
35	15130	66.700	45.700	35.900	23.800	9.800	2.100	1.500	1.000	1.100	41.000
36	161 0	61.200	40.900	31.900	21.200	9.000	1.900	1.360	1.000	1.000	37.300
37	16130	55.500	37.800	27.500	18.200	8.500	1.800	1.200	0.900	1.000	33.700
38	171 0	49.600	32.800	25.800	16.100	7.500	1.500	1.300	0.900	1.100	30.300
39	17130	43.800	29.300	22.300	16.200	6.800	1.400	1.100	0.800	1.100	27.400
40	181 0	30.800	27.300	19.600	13.300	5.800	1.300	1.300	0.800	1.000	24.700
41	18130	36.200	24.000	18.600	12.803	5.700	1.700	1.200	0.800	1.000	22.700
42	191 0	34.700	21.700	17.200	10.700	5.000	1.200	0.800	0.700	1.000	20.700
43	19130	32.800	15.500	15.800	9.300	4.700	1.100	0.800	0.700	0.900	19.000
44	27126	12.600	7.700	6.900	2.400	2.500	0.700	0.500	0.600	0.800	7.000

TITLE : CASE 2 DATE 85/10/28 TIME 15:21:11

CH. INDEX		111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		19.300	17.900	19.600	17.400	17.500	18.100	17.500	19.300	18.900	18.300
FINAL		27.100	21.500	22.500	17.800	18.400	18.600	17.900	26.700	26.000	26.700
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.100	0.0	0.0	0.100	0.100	0.0	0.0	0.100	0.0
3	01 0	0.0	0.100	0.300	0.100	0.100	0.100	0.0	0.0	0.100	0.100
4	01 0	0.100	0.0	0.0	0.100	0.100	0.100	0.0	0.0	0.100	0.100
5	0130	1.000	5.200	0.500	0.100	0.100	0.0	0.0	0.0	0.100	0.100
6	11 0	4.800	11.400	0.100	0.200	0.200	0.0	0.100	7.000	4.500	1.600
7	1130	8.000	16.100	0.400	0.200	0.200	0.0	0.100	13.800	13.300	3.700
8	21 0	12.200	20.130	1.600	0.300	0.300	0.0	0.200	18.500	18.700	6.200
9	2130	16.900	23.200	2.200	0.400	0.300	0.0	0.200	22.200	22.400	8.400
10	31 0	17.100	25.900	2.700	0.500	0.400	0.100	0.300	25.400	26.000	10.800
11	3130	18.400	29.100	2.560	0.400	0.500	0.100	0.300	28.300	28.800	12.700
12	41 0	20.800	31.800	2.200	0.500	0.500	0.100	0.400	30.800	31.200	14.400
13	4130	22.100	33.800	2.400	0.600	0.600	0.200	0.400	32.400	33.500	14.300
14	51 0	24.000	36.600	1.700	0.700	0.700	0.200	0.400	35.500	36.500	18.400
15	5130	25.500	38.700	1.600	0.800	0.800	0.300	0.500	38.100	39.200	20.400
16	61 0	26.400	40.000	1.600	0.800	0.900	0.400	0.500	40.200	41.200	22.700
17	6130	24.200	46.700	1.600	0.800	0.900	0.500	0.600	42.100	43.800	24.500
18	71 0	28.200	40.500	2.860	0.800	0.900	0.400	0.600	43.600	44.300	26.000
19	7130	30.600	42.400	6.700	0.800	0.900	0.400	0.600	45.000	45.100	27.000
20	81 0	30.800	44.700	7.100	1.000	1.100	0.400	0.600	46.300	46.200	28.100
21	8130	31.500	42.500	7.900	1.800	1.200	0.400	0.700	47.100	47.100	29.000
22	91 0	42.000	42.900	10.340	1.000	1.100	0.500	0.700	47.800	47.900	30.800
23	9130	32.800	43.700	10.800	1.000	1.100	0.400	0.700	48.600	48.700	30.700
24	101 0	32.900	45.600	11.500	1.100	1.100	0.400	0.800	48.800	49.100	31.900
25	10130	37.500	45.700	10.900	1.000	1.100	0.400	0.800	49.800	49.400	32.000
26	111 0	33.900	44.400	11.560	1.000	1.100	0.500	0.800	50.800	49.900	32.500
27	11130	34.300	44.700	12.100	1.100	1.100	0.500	0.800	50.700	49.900	33.000
28	121 0	34.600	44.900	11.900	1.200	1.200	0.600	0.800	50.300	49.800	33.400
29	12130	34.500	42.900	9.30C	1.200	1.200	0.500	0.800	48.900	49.600	33.800
30	131 0	33.800	41.460	9.500	1.100	1.100	0.500	0.800	48.900	48.400	33.800
31	13130	32.600	39.000	11.900	1.100	1.100	0.800	0.900	46.700	45.900	32.800
32	141 0	31.000	35.900	10.200	1.100	1.100	0.700	0.900	44.400	43.500	31.500
33	14130	29.800	36.000	13.600	1.000	1.100	0.600	0.900	42.200	40.900	30.400
34	151 0	27.900	33.160	16.400	1.000	1.100	0.600	0.900	39.800	38.700	29.700
35	15130	26.300	28.600	10.300	1.100	1.100	0.600	0.800	37.530	35.900	27.600
36	161 0	26.000	25.400	8.700	0.900	1.000	0.600	0.800	35.100	33.100	26.200
37	16130	23.200	22.500	6.000	0.800	1.600	0.500	0.800	32.600	30.900	24.600
38	171 0	21.500	19.400	5.100	0.800	0.900	0.500	0.700	30.200	27.700	23.000
39	17130	19.800	18.160	3.800	0.800	0.900	0.400	0.700	27.900	25.300	21.500
40	181 0	18.800	15.200	2.800	0.700	0.800	0.500	0.700	25.600	22.900	20.000
41	18130	17.100	13.800	1.700	0.700	0.700	0.400	0.600	23.600	20.700	18.500
42	191 0	16.000	12.600	2.200	0.600	0.700	0.400	0.600	21.800	18.800	17.200
43	19130	15.000	11.500	1.800	0.600	0.700	0.400	0.600	20.100	17.200	16.000
44	27126	7.000	3.400	2.900	0.400	0.500	0.300	0.400	7.400	5.100	4.400

TITLE : CASE 2 DATE 85/10/28 TIME 15:21:11

CH. INDEX		121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 41	126 T= 42	127 T= 43	128 T= 44	129 T= 45	130 T= 46
INITIAL		17.000	18.500	18.200	17.300	18.400	18.700	17.000	17.500	17.800	17.300
FINAL		18.300	19.100	18.000	17.600	25.500	26.000	20.800	18.400	18.900	17.500
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.0
3	01 0	-0.100	0.0	0.0	0.0	0.0	0.0	-0.100	0.0	0.100	0.0
4	01 0	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	0.0	0.100
5	0130	-0.100	0.0	0.100	0.100	0.0	0.0	0.0	-0.100	-0.100	0.100
6	11 0	0.0	0.200	0.100	0.100	0.0	-0.100	0.0	-0.100	-0.100	0.0
7	1130	0.100	0.200	0.100	0.100	7.500	4.800	4.700	2.500	0.700	0.0
8	21 0	0.100	0.400	0.200	0.100	12.800	9.000	9.300	5.100	0.900	0.100
9	2130	0.200	0.500	0.200	0.100	17.100	12.900	12.300	6.100	1.200	0.100
10	31 0	0.300	0.700	0.300	0.200	20.400	15.400	14.900	6.000	1.700	0.100
11	3130	0.400	0.800	0.300	0.200	22.900	17.900	16.500	4.000	1.700	0.200
12	41 0	0.400	0.900	0.400	0.200	25.100	20.300	17.400	3.600	2.000	0.200
13	4130	0.400	1.000	0.500	0.200	27.100	22.800	19.500	4.000	1.800	0.300
14	51 0	0.500	1.100	0.400	0.200	29.100	25.100	21.100	4.000	1.700	0.300
15	5130	0.400	1.200	0.500	0.100	31.800	27.400	23.400	4.900	1.800	0.400
16	61 0	0.400	1.200	0.500	0.100	33.800	30.000	24.800	5.900	1.800	0.400
17	6130	0.600	1.400	0.500	0.400	35.000	31.500	25.800	5.800	2.000	0.500
18	71 0	0.700	1.400	0.600	0.400	36.500	33.200	26.700	5.800	1.800	0.400
19	7130	0.800	1.500	0.600	0.400	38.000	34.500	27.900	6.400	2.100	0.400
20	81 0	0.600	1.700	0.600	0.400	39.100	35.200	28.400	8.100	2.200	0.400
21	8130	0.800	1.800	0.700	0.500	40.000	35.000	28.700	8.800	2.400	0.500
22	91 0	0.900	2.000	0.700	0.500	40.600	36.700	29.800	8.800	2.400	0.500
23	9130	0.900	2.200	0.800	0.500	41.200	37.300	30.100	10.800	2.400	0.500
24	101 0	0.900	2.400	0.800	0.500	41.900	37.800	30.400	9.100	2.900	0.500
25	10130	1.000	2.600	0.900	0.500	42.400	38.400	31.100	8.500	3.100	0.600
26	111 0	1.000	2.600	0.900	0.500	42.900	38.600	30.500	9.700	3.200	0.600
27	11130	1.100	2.700	0.900	0.500	43.000	39.100	31.200	10.000	2.900	0.600
28	121 0	1.100	2.800	0.900	0.400	43.100	39.100	30.900	10.100	2.700	0.600
29	12130	1.100	2.400	1.000	0.400	42.900	39.400	31.000	10.300	2.800	0.600
30	131 0	1.100	2.600	1.000	0.400	42.600	38.800	30.800	10.500	3.000	0.700
31	13130	1.100	2.400	1.600	0.800	41.800	38.100	28.800	9.800	2.400	0.700
32	141 0	1.200	2.900	1.600	0.700	39.800	36.500	27.100	9.100	2.500	0.700
33	14130	1.100	2.800	0.900	0.700	37.800	34.600	25.600	9.000	2.300	0.700
34	151 0	1.100	2.700	0.900	0.700	36.000	33.000	24.700	9.300	3.200	0.700
35	15130	1.200	2.600	0.900	0.700	35.800	31.100	22.800	9.800	3.200	0.800
36	161 0	1.100	2.500	0.900	0.600	31.800	29.300	21.000	9.000	3.100	0.800
37	16130	1.100	2.600	0.900	0.600	26.700	27.200	19.100	7.800	2.800	0.600
38	171 0	1.600	2.300	0.700	0.600	27.900	25.800	16.800	7.803	2.500	0.600
39	17130	1.000	2.200	0.900	0.600	25.900	23.800	15.200	5.800	2.800	0.400
40	181 0	0.900	2.100	0.863	0.500	23.500	21.720	13.000	4.200	2.100	0.300
41	18130	0.900	2.000	0.800	0.500	21.800	20.000	11.500	3.100	2.000	0.500
42	191 0	0.800	1.900	0.863	0.500	19.400	18.800	10.300	2.500	2.100	0.500
43	19130	0.900	1.800	0.800	0.400	16.300	17.000	9.200	2.200	2.100	0.300
44	27126	0.500	1.100	0.800	0.300	8.800	5.300	2.900	0.900	1.100	0.200

TITLE : CASE 2 DATE 85/10/28 TIME 15:21:11

CH. INDEX		131 T= 47	132 T= 51	133 T= 52	134 T= 53	135 T= 56	136 T= 61	137 T= 62	138 T= 63	139 T= 64	140 T= 65
INITIAL		17.100	17.300	17.200	17.200	17.200	17.700	17.200	17.500	17.100	17.100
FINAL		17.500	21.000	18.800	17.600	17.660	19.400	17.900	17.500	17.300	17.100
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.100	0.0	-0.100	0.0	0.0	0.0	-0.100	0.0	0.0
3	01 0	0.0	0.100	0.0	0.0	0.0	0.0	0.0	-0.200	0.0	-0.100
4	01 0	0.0	0.0	0.0	-0.100	0.0	-0.100	0.0	-0.100	0.0	-0.100
5	0130	0.0	0.100	0.0	0.0	0.0	0.0	0.0	-0.400	0.0	-0.100
6	11 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.200	0.0	0.0
7	1130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	0.100	0.0
8	21 0	0.0	11.100	2.000	0.0	0.0	0.0	0.0	-0.400	0.100	0.0
9	2130	0.0	15.500	2.800	0.0	0.0	4.000	1.600	-0.200	0.100	0.0
10	31 0	0.100	16.200	3.700	0.100	0.100	0.500	2.400	-0.200	0.100	0.100
11	3130	0.100	14.400	4.800	0.200	0.100	11.100	5.000	0.0	0.100	0.100
12	41 0	0.100	20.800	5.500	0.200	0.100	12.500	6.100	0.100	0.100	0.100
13	4130	0.100	22.800	6.300	0.200	0.100	12.800	6.200	0.0	0.100	0.0
14	51 0	0.200	24.600	7.500	0.200	0.100	14.900	7.200	-0.200	0.100	0.0
15	5130	0.200	26.900	9.800	0.300	0.200	16.800	9.600	-0.200	0.100	0.0
16	61 0	0.200	28.300	11.100	0.300	0.200	18.700	12.100	-0.100	0.100	0.0
17	6130	0.200	31.000	12.000	0.300	0.200	20.100	13.000	0.100	0.100	0.100
18	71 0	0.200	30.300	12.000	0.300	0.200	20.900	15.300	-0.200	0.200	0.100
19	7130	0.200	32.100	12.700	0.300	0.200	21.700	16.100	0.100	0.200	0.100
20	81 0	0.200	33.700	13.500	0.400	0.300	22.300	16.200	0.300	0.200	0.100
21	8130	0.200	31.200	14.500	0.400	0.100	21.400	17.600	0.100	0.200	0.100
22	91 0	0.200	36.400	14.630	0.400	0.100	21.200	17.900	0.0	0.300	0.100
23	9130	0.300	36.000	14.300	0.400	0.100	23.800	18.500	0.200	0.300	0.100
24	101 0	0.300	36.800	14.700	0.400	0.100	24.300	18.900	0.100	0.300	0.100
25	10130	0.300	36.900	14.900	0.500	0.400	24.500	19.000	0.100	0.300	0.200
26	111 0	0.300	35.900	14.500	0.500	0.400	24.700	19.400	0.200	0.300	0.200
27	11130	0.300	36.200	14.800	0.500	0.400	25.000	18.800	0.100	0.400	0.200
28	121 0	0.300	36.200	14.800	0.600	0.400	25.400	19.100	0.0	0.400	0.200
29	12130	0.300	35.100	14.800	0.500	0.500	25.230	19.400	0.100	0.400	0.200
30	131 0	0.400	35.700	14.300	0.400	0.500	24.400	18.700	0.100	0.400	0.200
31	13130	0.400	35.000	13.700	0.400	0.500	24.500	17.900	0.100	0.400	0.200
32	141 0	0.400	34.200	13.100	0.400	0.500	23.900	15.900	0.100	0.400	0.200
33	14130	0.400	30.200	11.800	0.500	0.500	22.730	14.800	0.200	0.400	0.200
34	151 0	0.400	28.900	10.100	0.500	0.500	21.500	13.100	0.300	0.400	0.200
35	15130	0.400	27.800	8.800	0.500	0.500	20.400	12.300	0.200	0.400	0.200
36	161 0	0.400	26.200	6.100	0.500	0.500	19.400	10.900	0.0	0.400	0.100
37	16130	0.400	24.900	7.200	0.500	0.500	18.100	9.060	0.100	0.300	0.100
38	171 0	0.300	22.700	6.000	0.400	0.500	16.100	8.200	-0.100	0.300	0.100
39	17130	0.300	20.400	4.200	0.400	0.400	15.400	7.100	0.0	0.400	0.100
40	181 0	0.300	19.000	1.500	0.400	0.400	13.000	6.200	-0.200	0.300	0.100
41	18130	0.300	17.400	2.800	0.400	0.400	12.400	5.600	-0.100	0.300	0.100
42	191 0	0.300	16.200	2.400	0.400	0.400	10.200	4.800	0.100	0.300	0.100
43	19130	0.200	14.800	2.000	0.100	0.400	8.700	4.300	0.0	0.300	0.100
44	27126	0.200	4.500	0.800	0.200	0.200	2.200	0.700	0.0	0.200	0.0

TITLE = CASE 2 DATE 85/10/28 TIME 15121111

CH. INDEX		141 T= 71	142 T= 72	143 T= 73	144 T= 74	145 T= 81	146 T= 82	147 T= 83	148 T= 84	149 T= 85	150 T= 91
INITIAL		17.200	17.100	17.100	17.000	17.000	17.200	17.100	17.100	17.100	17.000
FINAL		17.200	17.000	17.000	17.000	17.000	17.200	17.100	17.200	17.100	17.000
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.0
3	01 0	-0.100	-0.100	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.100
4	01 0	0.0	-0.100	0.0	0.0	0.100	0.0	0.100	0.100	0.0	0.100
5	0130	-0.100	0.0	0.0	0.0	0.100	0.0	0.100	0.100	0.0	0.100
6	11 0	0.0	0.0	0.0	0.0	0.100	0.0	0.100	0.100	0.0	0.100
7	1130	0.0	0.0	0.0	0.0	0.100	0.100	0.100	0.100	0.100	0.100
8	21 0	0.0	0.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
9	2130	0.0	0.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.0
10	31 0	0.0	0.0	0.100	0.100	0.0	0.0	0.100	0.100	0.100	0.0
11	3130	0.300	0.0	0.0	0.100	0.0	0.0	0.100	0.100	0.0	0.0
12	41 0	1.500	0.0	0.0	0.0	0.0	0.0	0.100	0.100	0.0	0.0
13	4130	3.300	0.100	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.0
14	51 0	5.800	0.100	0.0	0.0	0.0	0.0	0.100	0.100	0.0	0.0
15	5130	7.100	0.100	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.0
16	61 0	8.200	0.300	0.0	0.0	0.0	0.100	0.100	0.100	0.0	0.0
17	6130	10.700	0.700	0.0	0.0	0.0	0.100	0.100	0.100	0.0	0.0
18	71 0	12.800	1.200	0.0	0.0	0.100	0.100	0.100	0.100	0.0	0.100
19	7130	13.500	1.500	0.0	0.0	2.100	1.000	0.100	0.100	0.0	0.100
20	81 0	14.000	1.500	0.0	0.100	3.100	1.500	0.100	0.100	0.100	0.100
21	8130	14.700	1.200	0.0	0.100	3.900	1.200	0.100	0.100	0.0	0.100
22	91 0	15.300	1.500	0.100	0.100	3.800	1.300	0.100	0.200	0.100	0.100
23	9130	15.800	1.200	0.100	0.100	4.200	1.400	0.100	0.200	0.100	0.100
24	101 0	16.200	1.200	0.100	0.100	4.500	1.400	0.200	0.200	0.100	0.100
25	10130	16.600	1.200	0.200	0.100	4.100	1.400	0.100	0.200	0.100	0.100
26	111 0	17.100	1.700	0.100	0.200	5.100	1.800	0.200	0.200	0.100	0.200
27	11130	17.000	1.700	0.200	0.200	5.500	2.000	0.100	0.200	0.100	0.200
28	121 0	17.500	1.500	0.200	0.200	5.800	2.200	0.200	0.200	0.100	0.200
29	12130	17.700	1.300	0.200	0.200	5.400	1.800	0.200	0.200	0.100	0.100
30	131 0	17.000	1.500	0.200	0.200	5.500	1.700	0.100	0.200	0.100	0.100
31	13130	17.800	1.100	0.100	0.200	5.500	1.400	0.100	0.200	0.100	0.100
32	141 0	17.200	0.900	0.100	0.100	5.500	1.300	0.100	0.200	0.100	0.100
33	14130	16.500	0.700	0.100	0.100	5.100	1.100	0.100	0.100	0.100	0.0
34	151 0	15.500	0.700	0.0	0.100	4.900	0.900	0.100	0.100	0.100	0.0
35	15130	14.300	0.600	0.0	0.100	4.800	1.000	0.100	0.100	0.100	0.0
36	161 0	13.600	0.600	0.0	0.100	4.300	1.000	0.100	0.100	0.100	0.0
37	16130	11.900	0.500	0.0	0.100	4.200	0.900	0.100	0.100	0.100	0.0
38	171 0	10.600	0.500	0.100	0.100	3.800	0.800	0.100	0.100	0.100	0.0
39	17130	9.000	0.300	0.0	0.100	3.200	0.700	0.100	0.100	0.100	0.0
40	181 0	7.000	0.200	0.0	0.0	2.400	0.700	0.100	0.100	0.100	0.0
41	18130	6.500	0.700	0.0	0.0	1.700	0.400	0.100	0.100	0.0	0.0
42	191 0	5.500	0.200	0.0	0.0	1.100	0.400	0.100	0.100	0.0	0.0
43	19130	4.500	0.100	0.0	0.0	0.900	0.300	0.100	0.100	0.100	0.0
44	27126	0.0	-0.100	-0.100	0.0	0.0	0.0	0.0	0.100	0.0	0.0

TITLE = CASE 2 DATE 85/10/28 TIME 15121111

CH. INDEX		151 T= 92	152 T= 93	153 T= 94	154 T=101	155 T=102	156 T=103	157 T=104	158 T=105	159 T=111	160 T=112
INITIAL		17.200	17.200	17.100	17.100	17.000	17.200	17.200	17.100	17.200	17.100
FINAL		17.200	17.200	17.100	17.100	17.000	17.200	17.200	17.100	17.000	16.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	0.100	0.100	0.0	0.0	0.0	0.0	0.0
3	01 0	0.0	0.100	0.0	0.100	0.100	0.0	0.0	0.0	0.0	0.0
4	01 0	0.0	0.100	0.100	0.100	0.100	0.0	0.0	0.0	-0.100	-0.100
5	0130	0.0	0.100	0.0	0.100	0.200	0.0	0.0	0.0	-0.100	-0.100
6	11 0	0.0	0.100	0.0	0.100	0.100	0.0	0.0	0.0	-0.100	-0.100
7	1130	0.0	0.100	0.0	0.100	0.0	0.0	0.0	0.0	-0.200	-0.100
8	21 0	0.0	0.100	0.100	0.100	0.100	0.0	0.0	0.0	-0.100	-0.100
9	2130	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	-0.100
10	31 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	-0.100
11	3130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	-0.100
12	41 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	-0.100
13	4130	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.0	-0.100	-0.100
14	51 0	0.0	0.100	0.0	0.0	0.100	0.100	0.100	0.0	-0.100	-0.100
15	5130	0.0	0.100	0.100	0.100	0.0	0.100	0.100	0.100	0.0	-0.100
16	61 0	0.100	0.100	0.100	0.100	0.0	0.100	0.100	0.100	0.0	0.0
17	6130	0.100	0.100	0.100	0.100	0.0	0.100	0.100	0.100	0.0	0.0
18	71 0	0.100	0.100	0.100	0.100	0.100	0.200	0.100	0.100	0.0	0.0
19	7130	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.200	0.0	0.0
20	81 0	0.100	0.200	0.100	0.200	0.100	0.100	0.100	0.200	0.0	0.0
21	8130	0.100	0.200	0.100	0.200	0.100	0.100	0.100	0.200	0.0	0.0
22	91 0	0.100	0.200	0.200	0.200	0.200	0.100	0.100	0.200	0.0	0.0
23	9130	0.100	0.200	0.100	0.200	0.100	0.100	0.100	0.200	0.0	0.0
24	101 0	0.100	0.100	0.100	0.200	0.200	0.100	0.100	0.200	0.0	0.0
25	10130	0.100	0.200	0.200	0.200	0.100	0.100	0.100	0.200	0.0	0.0
26	111 0	0.100	0.200	0.200	0.200	0.200	0.100	0.100	0.200	0.0	0.0
27	11130	0.100	0.200	0.100	0.200	0.200	0.100	0.100	0.200	0.0	0.0
28	121 0	0.100	0.200	0.100	0.200	0.100	0.100	0.100	0.200	0.0	-0.100
29	12130	0.100	0.200	0.100	0.100	0.100	0.100	0.100	0.200	-0.100	-0.100
30	131 0	0.100	0.100	0.100	0.100	0.100	0.0	0.100	0.100	-0.100	-0.100
31	13130	0.100	0.100	0.100	0.100	0.100	0.0	0.0	0.100	0.0	-0.100
32	141 0	0.0	0.100	0.0	0.100	0.100	0.0	0.0	0.100	-0.100	-0.100
33	14130	0.0	0.100	0.100	0.100	0.0	0.0	0.0	0.100	-0.100	-0.100
34	151 0	0.0	0.100	0.0	0.100	0.0	0.0	0.0	0.100	-0.100	-0.100
35	15130	0.0	0.100	0.100	0.0	0.0	0.0	0.0	0.100	-0.100	-0.100
36	161 0	0.0	0.100	0.0	0.100	0.0	0.0	0.0	0.100	-0.100	-0.100
37	16130	0.0	0.100	0.0	0.100	0.100	0.0	0.0	0.100	-0.100	-0.100
38	171 0	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.100	-0.100	-0.100
39	17130	0.100	0.100	0.100	0.100	0.100	0.100	0.0	0.100	-0.100	-0.100
40	181 0	0.100	0.100	0.100	0.0	0.100	0.100	0.100	0.100	-0.100	-0.100
41	18130	0.100	0.100	0.0	0.0	0.0	0.100	0.100	0.100	-0.200	-0.100
42	191 0	0.100	0.100	0.100	0.0	0.0	0.100	0.0	0.0	-0.100	-0.200
43	19130	0.100	0.100	0.0	0.0	0.0	0.100	0.0	0.0	-0.100	-0.100
44	27126	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.200	-0.200

TITLE = CASE 2 DATE 85/10/28 TIME 15121111

CH. INDEX		161 T=113	162 T=114	163 T=121	164 T=122	165 T=123	166 T=124	167 T=125	168 T=131	169 T=132	170 T=133
INITIAL		17.200	17.200	17.200	17.100	17.100	17.200	17.100	17.000	17.100	17.100
FINAL		17.100	17.100	17.100	17.000	16.900	17.100	17.000	16.800	16.800	16.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	-0.100	-0.100
3	01 0	0.0	0.0	-0.100	-0.100	0.0	-0.100	0.0	0.0	-0.200	-0.200
4	01 0	-0.100	-0.100	-0.200	-0.100	-0.100	-0.100	0.0	0.0	-0.100	-0.100
5	0130	-0.100	-0.100	-0.200	-0.100	-0.100	-0.100	-0.100	0.0	-0.200	-0.200
6	11 0	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	0.0	-0.200	-0.100
7	1130	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	0.0	-0.100	-0.100
8	21 0	-0.100	-0.100	0.0	0.0	-0.100	-0.100	0.0	0.0	-0.100	-0.100
9	2130	-0.100	0.0	-0.100	0.0	-0.100	0.0	0.0	0.0	-0.100	-0.100
10	31 0	-0.100	0.0	-0.100	0.0	0.0	0.0	0.0	0.100	0.0	-0.100
11	3130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.100	-0.100	0.0
12	41 0	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0
13	4130	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.100	0.0	0.0
14	51 0	0.0	0.0	0.100	0.100	0.0	0.100	0.100	0.100	0.100	0.0
15	5130	0.100	0.100	0.100	0.100	0.0	0.100	0.100	0.100	0.0	0.0
16	61 0	0.100	0.100	0.100	0.100	0.0	0.100	0.100	0.100	0.100	0.0
17	6130	0.100	0.100	0.100	0.200	0.100	0.100	0.200	0.200	0.100	0.100
18	71 0	0.100	0.100	0.200	0.200	0.100	0.100	0.200	0.200	0.100	0.0
19	7130	0.100	0.100	0.100	0.100	0.100	0.100	0.200	0.200	0.100	0.100
20	81 0	0.100	0.100	0.100	0.200	0.100	0.200	0.200	0.200	0.100	0.200
21	8130	0.100	0.100	0.200	0.200	0.100	0.200	0.200	0.200	0.200	0.200
22	91 0	0.100	0.200	0.200	0.200	0.100	0.200	0.200	0.200	0.100	0.100
23	9130	0.100	0.200	0.100	0.100	0.100	0.100	0.200	0.100	0.0	0.0
24	101 0	0.100	0.100	0.100	0.100	0.100	0.100	0.200	0.100	0.0	0.0
25	10130	0.100	0.100	0.100	0.0	0.100	0.0	0.100	0.100	0.0	0.0
26	111 0	0.0	0.100	0.0	0.0	0.0	0.0	0.100	0.100	0.0	0.0
27	11130	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.0	0.0
28	121 0	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.0	0.0
29	12130	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.100	-0.100	-0.100
30	131 0	-0.100	0.0	0.0	0.0	0.0	0.0	0.100	0.100	0.0	0.0
31	13130	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.0	-0.100	-0.100
32	141 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	-0.100
33	14130	-0.100	0.0	0.0	0.0	-0.100	-0.100	0.0	0.0	0.0	0.0
34	151 0	-0.100	0.0	0.0	0.0	0.0	0.0	0.100	0.0	-0.100	0.0
35	15130	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.0	-0.100	0.0
36	161 0	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.0	-0.100	-0.100
37	16130	0.0	0.0	0.0	0.0	-0.100	-0.100	0.100	0.0	-0.100	-0.100
38	171 0	-0.100	0.0	0.0	0.0	0.0	0.0	0.100	0.0	-0.100	-0.200
39	17130	-0.100	0.0	0.0	0.0	-0.100	-0.100	0.0	0.0	-0.100	-0.100
40	181 0	-0.100	0.0	0.0	-0.100	-0.100	-0.100	0.0	-0.100	-0.200	-0.200
41	18130	-0.100	0.0	-0.100	-0.100	-0.200	-0.100	0.0	0.0	-0.100	-0.100
42	191 0	-0.100	0.0	-0.100	0.0	-0.100	-0.100	0.0	0.0	-0.100	0.0
43	19130	-0.100	-0.100	0.0	0.0	-0.100	0.0	0.0	0.0	-0.100	-0.100
44	27126	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.200	-0.300	-0.200

TITLE = CASE 2 DATE 85/10/28 TIME 15121111

CH. INDEX		171 T=135	172 T=141	173 T=151	201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31
INITIAL		17.100	18.300	17.100	0.154	0.160	0.157	0.162	0.162	0.159	0.160
FINAL		17.000	16.790	16.600	0.167	0.151	0.154	0.161	0.162	0.159	0.157
LOOP	TIME	(C)	(C)	(C)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	0.0	0.0	0.0	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	-0.100	-0.100	0.0	100.013	99.997	100.670	100.004	100.037	100.058	100.011
3	01 0	-0.100	-0.100	0.0	100.026	100.006	100.108	100.075	100.062	100.066	100.050
4	01 0	-0.100	0.0	0.0	100.013	100.009	100.019	100.019	100.011	100.013	100.056
5	0130	-0.100	0.0	0.0	100.033	99.981	100.172	100.031	100.110	100.050	100.080
6	11 0	-0.100	0.100	0.0	100.034	100.069	100.108	100.075	100.056	100.058	100.006
7	1130	0.0	0.100	0.0	100.072	100.058	100.066	100.063	100.037	100.066	100.088
8	21 0	0.100	0.200	0.100	100.005	99.992	100.157	100.077	100.140	100.069	100.119
9	2130	0.100	0.100	0.0	100.078	100.013	100.159	100.049	100.089	100.066	100.144
10	31 0	0.100	0.900	0.0	99.745	99.906	100.107	100.025	100.111	100.013	100.156
11	3130	0.100	1.500	0.0	93.124	95.667	99.808	100.025	100.060	99.981	97.190
12	41 0	0.100	2.000	0.0	99.112	99.095	97.062	100.025	100.074	99.975	93.756
13	4130	0.600	2.500	0.0	91.036	99.900	96.006	99.966	100.068	100.000	91.933
14	51 0	0.200	4.700	0.0	98.039	91.065	95.120	99.920	100.142	100.011	93.595
15	5130	0.200	3.000	0.100	98.207	92.652	96.031	99.754	100.099	100.056	94.897
16	61 0	0.500	4.800	0.100	98.402	94.353	98.097	99.586	100.091	100.019	96.351
17	6130	0.800	4.800	0.100	95.714	94.056	94.002	99.277	100.011	100.075	96.670
18	71 0	0.200	4.200	0.100	97.909	95.506	97.606	97.006	100.095	100.058	96.806
19	7130	0.200	4.900	0.100	97.777	95.906	97.018	99.638	100.025	100.075	97.093
20	81 0	0.100	4.800	0.100	95.076	96.071	96.187	99.154	100.057	100.038	97.192
21	8130	0.500	5.030	0.100	93.337	93.716	98.052	99.222	100.079	100.010	95.150
22	91 0	0.200	5.200	0.100	91.939	94.151	96.900	98.919	100.080	100.069	96.197
23	9130	0.200	5.900	0.100	92.103	99.726	96.765	98.027	100.000	100.019	93.679
24	101 0	0.100	5.800	0.100	92.714	91.652	96.070	98.752	100.037	100.066	97.890
25	10130	0.100	5.700	0.100	92.245	91.258	95.854	98.981	99.988	100.019	93.997
26	111 0	0.100	5.700	0.100	92.212	91.577	96.806	97.554	99.859	100.006	96.117
27	11130	0.100	6.000	0.100	93.051	92.102	96.337	97.501	99.935	99.987	95.997
28	121 0	0.100	6.100	0.100	94.032	93.299	96.006	98.908	99.746	100.013	96.062
29	12130	0.100	6.200	0.100	93.075	92.796	96.361	98.096	99.866	100.050	95.651
30	131 0	0.100	6.200	0.100	94.921	95.669	97.075	96.990	99.715	100.056	96.550
31	13130	0.0	6.200	0.100	94.083	95.191	97.818	96.325	99.937	100.006	96.544
32	141 0	0.0	6.200	0.100	94.208	94.065	97.305	97.626	99.771	99.975	96.871
33	14130	0.100	6.100	0.100	93.090	94.097	97.700	97.658	99.616	99.975	96.814
34	151 0	0.100	3.900	0.100	93.705	94.200	97.502	97.506	99.660	99.975	96.700
35	15130	0.100	5.700	0.100	91.023	93.726	96.628	97.135	99.619	99.981	95.051
36	161 0	0.100	5.500	0.100	92.002	92.915	96.755	96.271	99.906	100.015	96.138
37	16130	0.0	5.200	0.100	92.056	91.903	96.558	98.619	99.926	99.981	96.710
38	171 0	0.0	4.900	0.100	93.001	93.059	96.610	98.561	100.819	99.956	95.844
39	17130	0.0	4.300	0.100	92.602	93.027	96.112	98.631	99.813	99.975	95.088
40	181 0	0.0	4.300	0.100	92.075	93.959	97.024	98.306	99.990	99.925	95.082
41	18130	0.0	3.900	0.100	92.087	93.616	97.210	98.655	99.675	99.962	95.700
42	191 0	0.100	2.600	0.100	92.062	94.122	97.618	96.686	99.926	99.925	95.610
43	19130	0.0	1.800	0.100	92.752	94.670	97.066	96.129	99.871	99.875	95.744
44	27126	-0.100	1.400	0.100	91.059	94.516	97.779	99.616	99.969	99.925	95.394

TITLE = CASE 2 DATE 05/10/28 TIME 15:21:11

CH. INDEX		208 S= 32	209 S= 33	210 S= 34	211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 45	217 S= 51
INITIAL		0.154	0.157	0.154	0.160	0.156	0.158	0.156	0.149	0.166	0.155
FINAL		0.149	0.151	0.157	0.160	0.150	0.154	0.153	0.149	0.163	0.145
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	99.967	100.026	100.006	100.000	100.013	100.019	100.000	100.020	100.136	100.058
3	0: 0	99.961	100.012	100.013	100.019	100.019	100.044	100.013	100.034	100.110	100.097
4	0: 0	100.007	100.026	100.019	100.000	100.052	100.063	100.013	100.000	99.994	100.045
5	0:30	99.967	100.057	100.006	100.031	100.065	100.116	100.019	100.054	100.165	100.168
6	1: 0	99.950	100.091	100.013	100.019	100.076	100.000	100.019	100.027	100.209	100.129
7	1:30	99.956	100.061	100.025	100.012	100.041	100.044	100.013	100.013	100.171	100.103
8	2: 0	99.961	100.061	100.000	100.031	100.097	100.044	100.000	100.040	100.177	100.013
9	2:30	99.958	100.077	100.025	100.025	100.110	100.038	99.994	100.040	100.171	99.916
10	3: 0	99.967	100.083	100.013	100.025	100.117	100.038	99.987	100.054	99.976	99.852
11	3:30	97.175	100.003	100.019	100.057	100.123	100.019	99.994	100.054	99.790	99.768
12	4: 0	93.779	100.006	100.025	100.044	96.160	99.778	99.981	100.007	99.885	99.581
13	4:30	96.757	99.757	100.019	100.019	95.296	99.616	99.685	100.013	99.885	99.490
14	5: 0	94.606	99.760	97.900	100.050	95.052	93.008	99.717	100.066	99.817	95.161
15	5:30	94.003	99.661	96.000	100.044	96.626	91.620	95.537	100.013	100.104	91.160
16	6: 0	92.971	99.116	94.601	100.044	95.009	91.887	93.909	100.020	99.890	91.161
17	6:30	91.541	95.678	99.327	100.031	96.377	93.296	94.809	99.953	99.919	93.083
18	7: 0	96.714	96.760	99.005	100.056	96.317	94.096	95.136	100.027	100.073	93.599
19	7:30	95.140	96.926	96.521	100.044	97.162	95.540	96.016	99.993	99.913	94.315
20	8: 0	95.542	96.656	96.551	100.031	97.557	95.556	96.026	99.980	99.939	95.109
21	8:30	95.011	97.770	96.515	100.050	97.306	95.540	97.178	100.013	99.829	95.290
22	9: 0	91.691	97.942	96.186	100.044	95.111	95.215	97.693	100.013	100.006	95.452
23	9:30	95.965	96.571	99.161	100.037	95.961	93.277	96.143	99.852	99.927	94.005
24	10: 0	96.024	95.262	99.002	100.064	93.091	92.096	96.507	99.619	99.886	91.993
25	10:30	96.756	92.967	97.056	100.060	93.090	91.009	95.076	99.906	99.951	91.128
26	11: 0	95.052	92.776	96.024	99.946	96.051	92.058	93.527	99.865	99.850	91.954
27	11:30	96.605	91.675	96.228	99.944	96.537	93.041	96.564	99.013	99.927	90.487
28	12: 0	91.790	92.080	96.965	100.031	95.016	92.063	93.713	100.007	100.026	91.167
29	12:30	96.190	93.852	98.038	100.044	95.086	93.090	93.816	99.852	100.043	91.373
30	13: 0	96.276	96.942	96.068	99.955	95.839	93.670	93.359	99.879	100.067	90.799
31	13:30	95.114	96.929	96.158	100.000	96.559	93.670	96.137	99.060	99.933	91.683
32	14: 0	95.123	96.712	96.079	100.066	96.005	95.023	96.529	99.879	99.006	92.057
33	14:30	96.730	95.019	96.712	99.950	97.060	96.038	95.751	99.906	99.851	93.231
34	15: 0	96.021	96.130	96.026	99.960	97.050	94.007	96.651	99.906	99.855	93.103
35	15:30	96.059	95.677	96.505	100.000	96.775	96.400	96.387	99.072	99.927	92.719
36	16: 0	95.070	75.565	96.105	99.998	96.779	95.541	96.329	99.960	99.902	93.006
37	16:30	95.075	96.906	96.016	99.975	96.708	93.736	96.702	99.059	99.811	92.978
38	17: 0	95.290	95.907	98.072	99.960	96.676	94.057	96.700	99.966	99.701	92.825
39	17:30	95.069	96.542	97.018	99.969	96.019	95.061	96.556	99.953	99.805	92.778
40	18: 0	96.276	97.615	99.059	99.981	96.922	96.165	96.009	99.940	99.719	92.444
41	18:30	96.714	96.196	97.334	99.906	97.006	95.911	96.985	99.960	99.627	91.625
42	19: 0	94.555	96.515	96.257	99.931	96.060	95.670	97.255	99.003	99.600	92.605
43	19:30	96.097	97.001	96.150	99.966	96.701	96.083	97.551	99.879	99.540	92.760
44	27:26	97.121	97.727	97.017	99.960	96.099	97.543	98.571	99.852	99.462	93.231

TITLE = CASE 2 DATE 05/10/28 TIME 15:21:11

CH. INDEX		218 S= 52	219 S= 53	220 S= 54	221 S= 61	222 S= 62	223 S= 63	224 S= 64	225 S= 71	226 S= 72	227 S= 81
INITIAL		0.162	0.164	0.155	0.167	0.156	0.153	0.157	0.161	0.155	0.154
FINAL		0.153	0.165	0.156	0.161	0.152	0.152	0.157	0.167	0.155	0.153
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.006	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	100.124	100.476	100.052	100.027	100.026	100.020	99.996	99.993	100.006	99.996
3	0: 0	100.126	100.320	100.058	100.001	100.032	100.085	100.000	100.013	100.015	100.019
4	0: 0	100.025	100.271	100.000	100.001	100.019	99.961	100.000	99.993	100.019	100.019
5	0:30	100.145	100.166	100.135	100.054	100.051	100.137	100.006	100.027	100.032	100.026
6	1: 0	100.272	100.375	100.155	100.047	100.043	100.183	100.019	100.020	100.039	100.026
7	1:30	100.175	100.204	100.110	100.036	100.051	100.117	100.019	99.993	100.026	100.026
8	2: 0	100.144	100.206	100.116	100.056	100.000	100.091	100.000	100.053	100.039	100.026
9	2:30	100.061	100.326	100.122	99.769	99.962	100.106	100.019	100.033	100.045	100.026
10	3: 0	99.032	100.357	100.000	99.349	99.923	99.922	99.994	100.066	100.032	100.013
11	3:30	99.617	100.301	99.761	99.916	99.769	99.667	99.975	99.967	100.010	100.006
12	4: 0	95.666	100.271	99.017	99.959	99.525	99.767	99.987	99.761	100.026	100.006
13	4:30	97.302	100.271	99.925	99.507	99.564	99.735	99.987	99.602	100.019	100.000
14	5: 0	92.850	100.205	99.065	99.180	99.226	99.785	99.975	99.423	100.039	99.997
15	5:30	93.610	100.135	100.050	99.669	98.676	100.000	100.013	99.430	100.032	99.981
16	6: 0	90.334	100.151	99.071	99.765	86.305	99.674	99.987	97.913	100.026	99.976
17	6:30	89.224	100.221	99.961	98.064	85.327	99.566	100.013	99.510	100.019	100.006
18	7: 0	72.029	100.166	100.000	98.519	90.161	99.813	100.066	87.092	100.045	97.635
19	7:30	91.667	100.316	99.961	99.750	90.083	99.750	100.000	86.587	100.026	96.658
20	8: 0	91.674	100.703	99.935	99.975	93.672	99.602	100.006	80.775	100.039	95.056
21	8:30	96.812	100.252	99.065	91.857	91.656	99.861	99.981	88.703	100.032	96.703
22	9: 0	96.117	99.069	99.976	93.133	93.375	99.190	100.000	91.881	100.045	96.690
23	9:30	97.092	99.980	97.096	93.676	93.017	99.066	100.013	91.665	100.058	96.590
24	10: 0	[illegible]	99.772	97.056	93.100	93.003	99.401	99.987	91.669	100.058	96.230
25	10:30	97.740	99.760	99.629	90.872	89.029	99.357	100.000	89.729	99.968	96.451
26	11: 0	96.921	99.950	99.027	87.962	86.676	99.318	100.000	86.575	100.045	96.495
27	11:30	96.005	99.756	99.916	90.112	90.000	99.455	100.000	87.556	100.032	96.068
28	12: 0	97.052	100.062	100.000	90.605	92.016	99.520	100.000	87.676	100.045	96.022
29	12:30	96.902	99.063	100.013	87.677	92.516	99.409	100.000	89.707	100.045	96.007
30	13: 0	96.627	99.065	100.009	90.003	93.023	99.400	100.017	89.317	100.052	95.919
31	13:30	91.202	100.363	99.916	89.170	92.033	98.872	99.987	88.159	100.045	95.685
32	14: 0	92.019	99.901	99.071	90.195	93.016	99.178	99.981	91.698	100.045	96.681
33	14:30	91.067	99.877	99.013	91.762	93.050	99.859	99.981	91.167	100.026	96.081
34	15: 0	92.700	99.717	99.026	92.674	95.120	99.107	99.981	92.969	100.032	95.882
35	15:30	92.070	100.105	99.052	91.591	96.561	99.120	99.994	93.579	100.039	96.617
36	16: 0	92.514	100.250	99.062	92.007	95.122	99.826	99.975	93.866	100.045	96.405
37	16:30	92.759	99.920	99.000	92.006	95.155	99.957	99.960	94.308	100.032	96.474
38	17: 0	92.647	99.916	99.736	92.084	95.707	99.028	99.969	96.666	100.045	96.700
39	17:30	92.267	99.654	99.207	92.176	95.831	99.285	99.956	94.871	100.019	96.968
40	18: 0	93.015	100.171	99.671	92.570	95.005	99.257	99.955	95.716	100.045	97.000
41	18:30	91.311	100.176	99.691	92.715	96.358	99.587	99.965	95.090	100.045	98.115
42	19: 0	93.571	100.010	99.761	93.109	96.560	99.348	99.969	99.083	100.052	98.743
43	19:30	93.073	99.050	99.592	93.336	96.067	99.208	99.917	99.616	100.045	99.321
44	27:26	96.614	100.051	97.301	95.596	97.711	99.041	99.000	97.636	100.026	99.391

TITLE = CASE 2 DATE 05/10/28 TIME 15:21:11

CH. INDEX		228 S= 82	229 S= 83	230 S= 91	231 S= 92	232 S=101	233 S=102	234 S=103	235 S=111	236 S=112	237 S=121
INITIAL		0.156	0.150	0.157	0.158	0.160	0.158	0.159	0.156	0.152	0.158
FINAL		0.154	0.150	0.157	0.158	0.158	0.156	0.159	0.156	0.152	0.159
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	99.987	99.987	100.000	99.961	99.968	100.006	100.006	99.994	100.000	99.994
3	0: 0	100.019	100.006	100.006	99.987	99.967	100.026	100.013	100.019	100.020	100.000
4	0: 0	99.994	99.994	100.006	100.000	99.986	100.013	100.013	99.994	100.013	100.000
5	0:30	100.013	100.006	100.019	100.000	99.960	100.038	100.019	100.045	100.046	100.019
6	1: 0	100.026	100.013	100.019	99.987	100.000	100.038	100.006	100.032	100.053	100.019
7	1:30	100.013	100.013	100.019	99.994	100.007	100.045	100.000	100.026	100.059	100.013
8	2: 0	100.013	100.000	100.019	100.000	99.973	100.032	99.994	100.006	100.033	100.000
9	2:30	100.016	100.013	100.026	99.994	100.000	100.045	99.987	100.019	100.046	100.013
10	3: 0	100.000	99.994	100.019	99.994	100.000	100.026	99.968	99.994	100.020	100.000
11	3:30	99.987	99.987	99.994	99.961	100.000	100.000	99.956	99.994	100.007	99.994
12	4: 0	99.987	99.976	99.987	99.981	100.007	100.006	99.962	100.032	100.013	100.000
13	4:30	99.961	99.987	99.997	99.981	99.997	100.019	99.962	99.994	100.020	100.006
14	5: 0	99.987	100.000	99.974	99.987	99.987	100.026	99.950	100.019	100.020	100.006
15	5:30	100.013	100.019	100.026	100.000	100.013	100.038	99.956	100.026	100.039	100.025
16	6: 0	99.981	99.961	100.000	99.994	100.007	100.032	99.937	100.000	100.013	100.013
17	6:30	100.020	100.006	100.019	99.987	100.007	100.032	99.937	100.026	100.026	100.019
18	7: 0	100.019	100.006	100.027	99.987	100.000	100.051	99.962	100.013	100.053	100.038
19	7:30	99.994	100.006	100.019	99.968	100.020	100.032	99.956	100.032	100.033	100.032
20	8: 0	99.974	100.000	100.019	99.987	100.027	100.045	99.956	100.039	100.033	100.032
21	8:30	99.523	100.000	100.006	99.968	99.961	100.038	99.943	100.032	100.026	100.032
22	9: 0	99.429	100.006	100.032	99.987	100.020	100.045	99.956	100.026	100.046	100.032
23	9:30	99.904	100.006	100.032	99.987	100.054	100.051	99.956	100.019	100.046	100.038
24	10: 0	99.674	100.000	100.026	99.974	100.013	100.051	99.937	100.032	100.033	100.038
25	10:30	99.740	100.000	100.019	100.000	100.007	100.051	99.943	100.057	100.046	100.044
26	11: 0	99.967	100.006	100.026	99.961	100.027	100.058	99.924	100.051	100.033	100.050
27	11:30	99.003	100.013	100.032	99.987	100.033	100.064	99.924	100.058	100.046	100.063
28	12: 0	99.995	100.019	100.045	99.987	100.007	100.090	99.943	100.071	100.072	100.076
29	12:30	99.749	100.019	100.057	99.944	100.047	100.077	99.943	100.090	100.079	100.069
30	13: 0	99.903	100.025	100.057	99.974	100.076	100.083	99.937	100.083	100.072	100.063
31	13:30	99.631	100.019	100.051	99.981	100.047	100.083	99.931	100.045	100.066	100.069
32	14: 0	99.003	100.006	100.057	99.981	100.076	100.064	99.937	100.019	100.059	100.063
33	14:30	99.910	100.013	100.051	99.981	100.100	100.064	99.924	100.058	100.059	100.063
34	15: 0	99.790	100.013	100.051	99.974	100.087	100.083	99.918	100.045	100.066	100.057
35	15:30	99.761	100.025	100.057	99.961	100.060	100.077	99.924	100.064	100.059	100.063
36	16: 0	99.630	100.025	100.064	99.974	100.020	100.096	99.924	100.045	100.079	100.088
37	16:30	99.000	100.013	100.057	99.974	100.060	100.083	99.937	100.071	100.059	100.069
38	17: 0	99.961	100.006	100.130	99.964	100.000	100.064	99.918	100.045	100.053	100.063
39	17:30	99.952	100.013	100.157	99.961	100.047	100.077	99.924	100.083	100.072	100.076
40	18: 0	99.904	100.006	100.057	99.960	100.096	100.083	99.931	100.090	100.072	100.088
41	18:30	99.966	100.006	100.064	99.955	100.080	100.071	99.924	100.083	100.059	100.076
42	19: 0	100.000	100.006	100.061	99.955	100.000	100.064	99.918	100.083	100.053	100.057
43	19:30	99.967	100.000	100.032	99.959	100.096	100.071	99.918	100.077	100.059	100.063
44	27:26	99.974	100.006	100.019	99.969	100.107	100.083	99.962	100.077	100.086	100.088

TITLE = CASE 2 DATE 05/10/28 TIME 15:21:11

CH. INDEX		238 S=122	239 S=123	240 S=131
INITIAL		0.155	0.157	0.166
FINAL		0.150	0.157	0.163
LOOP	TIME	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000
2	0: 0	100.000	99.996	99.976
3	0: 0	100.000	100.013	100.075
4	0: 0	100.000	100.006	100.000
5	0:30	100.000	100.025	100.116
6	1: 0	100.010	100.025	100.128
7	1:30	100.000	100.019	100.128
8	2: 0	100.013	100.019	100.218
9	2:30	100.000	100.045	100.310
10	3: 0	100.010	100.000	100.357
11	3:30	100.010	99.975	99.580
12	4: 0	100.010	99.996	99.739
13	4:30	100.022	100.006	99.651
14	5: 0	100.010	100.013	100.055
15	5:30	100.032	100.025	99.056
16	6: 0	100.020	100.026	98.181
17	6:30	100.012	100.013	97.195
18	7: 0	100.050	100.036	97.256
19	7:30	100.045	100.019	97.350
20	8: 0	100.045	100.045	96.615
21	8:30	100.019	100.010	96.008
22	9: 0	100.045	100.042	96.615
23	9:30	100.045	100.026	96.019
24	10: 0	100.045	100.025	97.299
25	10:30	100.051	100.032	95.672
26	11: 0	100.045	100.032	96.052
27	11:30	100.051	100.038	95.229
28	12: 0	100.054	100.051	95.659
29	12:30	100.050	100.051	95.716
30	13: 0	100.051	100.051	95.617
31	13:30	100.050	100.045	95.676
32	14: 0	100.056	100.025	95.616
33	14:30	100.056	100.025	96.160
34	15: 0	100.054	100.045	97.195
35	15:30	100.071	100.076	97.006
36	16: 0	100.071	100.057	96.191
37	16:30	100.066	100.072	99.167
38	17: 0	100.051	100.010	99.167
39	17:30	100.077	100.065	99.607
40	18: 0	100.071	100.038	99.552
41	18:30	100.066	100.019	99.523
42	19: 0	100.051	100.011	99.601
43	19:30	100.051	100.030	99.652
44	27:26	100.077	100.034	99.609

実験No.13

TITLE + CASE 1 (A) DATE 85/10/28 TIME 16141135

CH. INDEX		101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		21.300	20.300	19.300	18.400	18.300	18.200	17.700	17.500	17.400	19.400
FINAL		18.900	27.000	21.200	21.140	20.000	19.400	18.500	17.400	17.400	24.200
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.100	0.0	0.0	0.100	0.0	0.0	0.100	0.100	0.0	0.0
3	01 0	0.200	0.0	-0.200	0.200	0.0	0.0	0.200	0.0	0.0	-0.200
4	01 0	59.900	17.700	18.700	6.800	0.700	0.100	0.200	0.100	0.0	-0.100
5	0130	98.200	51.500	45.100	21.500	2.200	0.400	0.300	0.100	-0.100	37.900
6	11 0	118.200	61.400	53.900	35.100	3.000	1.000	0.700	0.200	-0.100	50.200
7	1130	126.200	67.500	59.900	41.500	4.900	1.200	0.500	0.200	-0.100	55.200
8	21 0	135.400	71.400	65.100	49.400	7.900	1.300	0.500	0.300	0.0	58.400
9	2130	141.000	75.500	70.300	54.300	11.000	1.400	0.600	0.300	0.100	63.900
10	31 0	151.000	80.200	74.100	58.000	13.000	1.600	0.900	0.400	0.200	66.000
11	3130	156.100	88.000	78.600	62.200	19.500	1.800	0.900	0.500	0.300	71.200
12	41 0	159.500	95.000	87.400	72.500	29.000	6.700	1.100	0.700	0.500	78.500
13	4130	160.700	97.000	90.900	76.800	36.000	10.100	1.700	0.800	0.600	83.800
14	51 0	166.000	102.100	95.700	81.800	32.100	14.700	2.100	0.900	0.700	88.800
15	5130	167.900	105.200	97.100	83.500	35.700	17.400	2.700	0.900	0.700	90.500
16	61 0	173.000	107.500	99.700	85.100	37.200	20.100	2.800	1.000	0.800	91.200
17	6130	176.200	111.100	102.500	88.000	39.900	21.200	3.000	1.200	0.800	94.500
18	71 0	178.000	111.800	103.100	89.200	39.900	21.300	2.800	1.100	0.900	96.400
19	7130	178.200	112.800	105.700	91.700	40.700	21.300	3.100	1.300	0.900	97.700
20	81 0	169.500	115.700	105.000	93.800	41.300	22.500	3.400	1.400	0.800	99.500
21	8130	169.900	118.300	106.900	92.800	41.200	22.300	3.600	1.300	0.800	100.400
22	91 0	188.900	118.800	108.200	93.700	41.000	22.900	3.600	1.300	1.900	101.800
23	9130	183.000	119.800	107.400	93.000	41.500	22.700	3.400	1.200	0.800	101.900
24	101 0	187.500	116.800	108.200	95.103	41.800	22.200	3.700	1.300	0.800	101.800
25	10130	188.000	116.000	107.400	97.400	41.800	23.400	4.200	1.400	0.900	100.800
26	111 0	180.800	119.100	107.000	91.100	41.800	21.400	4.700	1.500	0.900	99.500
27	11130	173.800	109.700	103.300	87.500	43.400	21.200	4.500	1.400	0.900	97.800
28	121 0	168.000	105.700	98.800	86.400	43.100	22.400	3.800	1.400	1.000	92.400
29	12130	158.000	100.200	93.800	81.100	41.100	22.400	3.900	1.400	1.100	90.400
30	131 0	147.700	91.700	88.200	77.100	40.500	22.000	4.100	1.400	1.200	83.200
31	13130	130.000	85.200	80.200	71.100	38.000	22.000	3.700	1.400	1.300	78.100
32	141 0	120.700	78.500	76.100	65.500	35.000	20.700	3.600	1.600	1.400	73.700
33	14130	117.500	72.200	67.100	59.000	31.500	20.500	3.400	1.500	1.700	67.500
34	151 0	101.600	69.700	67.400	55.100	30.400	19.400	3.100	1.400	1.100	62.400
35	15130	89.700	58.400	55.700	45.100	27.100	18.000	2.500	1.200	1.100	58.100
36	161 0	67.500	51.200	50.500	45.000	26.000	15.000	2.500	1.000	1.000	51.100
37	16130	74.100	47.400	45.500	40.200	23.100	13.600	1.900	0.900	0.800	46.800
38	171 0	60.100	42.700	40.200	36.100	21.100	11.400	1.800	0.800	0.400	41.700
39	17130	60.200	40.200	37.000	32.100	16.700	9.900	1.300	0.600	0.500	38.100
40	181 0	56.900	35.900	33.500	27.700	17.000	6.200	1.200	0.600	0.400	34.500
41	18130	49.100	32.500	30.200	25.100	16.700	7.400	1.100	0.500	0.500	31.400
42	191 0	43.700	29.000	26.900	21.900	14.000	6.750	1.000	0.500	0.300	28.700
43	19130	38.900	26.900	25.300	18.900	14.000	5.200	0.800	0.400	0.400	26.100
44	19133	9.000	6.700	5.900	2.500	2.300	1.200	0.800	0.100	0.0	4.400

TITLE + CASE 1 DATE 85/10/28 TIME 16141135

CH. INDEX		111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		21.600	18.900	18.000	17.500	17.700	18.000	17.400	20.500	19.400	19.500
FINAL		24.900	19.900	19.100	17.100	17.500	18.100	17.300	24.600	23.700	26.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	0.100	0.0	-0.100	0.0	0.100	0.0	0.0
3	01 0	0.0	0.100	0.200	0.0	-0.100	0.0	-0.100	0.100	0.0	0.0
4	01 0	-0.100	0.0	-0.100	0.0	-0.100	0.0	-0.100	0.0	-0.100	0.0
5	0130	2.600	14.000	6.500	0.300	0.100	-0.100	-0.100	5.300	4.900	1.400
6	11 0	9.700	27.900	12.000	0.400	0.300	-0.100	-0.100	18.900	21.500	7.400
7	1130	16.200	35.700	15.500	0.700	0.400	-0.200	-0.100	27.400	30.400	12.700
8	21 0	21.200	41.000	19.500	1.000	0.600	-0.100	0.0	31.400	37.100	17.200
9	2130	25.000	45.500	23.400	1.000	0.500	-0.100	0.100	38.900	42.100	21.100
10	31 0	27.900	50.000	26.000	0.800	0.500	-0.100	0.100	43.400	46.500	25.400
11	3130	30.700	53.600	38.900	0.700	0.500	0.0	0.200	47.100	50.300	29.100
12	41 0	33.100	58.400	41.600	0.800	0.600	0.0	0.300	51.000	55.200	33.900
13	4130	36.300	63.100	45.900	1.200	0.900	0.100	0.400	56.900	59.400	37.000
14	51 0	39.000	66.300	46.500	1.700	1.000	0.200	0.400	60.800	63.400	41.200
15	5130	41.360	69.900	48.100	3.100	2.600	0.300	0.500	64.700	66.600	44.100
16	61 0	43.600	71.000	50.100	4.200	2.700	0.300	0.500	67.100	69.400	47.000
17	6130	46.900	73.500	52.900	5.400	2.900	0.300	0.500	69.700	71.600	49.000
18	71 0	46.900	75.600	55.400	7.300	2.500	0.400	0.500	72.700	74.100	52.100
19	7130	48.400	77.000	51.900	7.100	2.500	0.300	0.500	74.400	76.200	54.600
20	81 0	49.500	77.900	55.500	8.500	2.700	0.400	0.400	76.000	77.300	56.000
21	8130	50.500	79.000	56.200	8.000	2.700	0.500	0.400	77.500	78.700	58.100
22	91 0	51.900	80.400	55.800	8.500	2.700	0.400	0.300	78.900	80.200	59.700
23	9130	52.000	80.400	58.100	8.900	2.700	0.400	0.300	80.000	81.500	61.000
24	101 0	53.500	80.500	57.600	8.800	2.800	0.400	0.300	80.300	81.900	62.900
25	10130	54.900	80.600	56.100	8.100	2.900	0.400	0.300	80.800	81.900	63.000
26	111 0	54.100	80.400	56.200	9.200	3.200	0.600	0.400	80.500	81.100	63.600
27	11130	54.400	78.900	55.700	9.500	3.200	0.600	0.500	79.900	80.800	63.000
28	121 0	54.000	76.200	56.000	9.200	3.600	0.800	0.600	78.600	78.800	63.600
29	12130	53.000	73.200	56.900	9.300	3.800	0.800	0.700	76.600	76.700	62.900
30	131 0	51.500	69.900	52.400	6.600	3.100	0.800	0.800	73.700	74.000	61.600
31	13130	49.700	65.300	50.700	7.000	2.900	0.900	0.900	70.800	70.400	59.900
32	141 0	47.500	60.800	46.500	5.200	3.000	0.800	0.900	66.900	66.100	57.400
33	14130	45.100	56.500	43.200	4.900	2.700	0.800	0.800	63.500	62.200	55.100
34	151 0	42.700	52.700	40.600	4.300	2.500	0.700	0.700	58.500	58.200	52.400
35	15130	40.500	48.300	36.100	3.600	2.300	0.600	0.600	55.800	54.300	49.800
36	161 0	38.200	44.000	32.400	2.700	2.200	0.500	0.500	51.800	50.000	47.100
37	16130	35.900	39.600	30.000	1.700	1.900	0.400	0.500	48.100	46.000	44.300
38	171 0	33.600	36.200	27.100	1.800	1.900	0.300	0.300	44.400	42.100	41.400
39	17130	31.503	32.900	25.300	1.500	1.400	0.200	0.300	40.800	38.800	38.700
40	181 0	29.500	29.600	20.100	0.900	1.100	0.100	0.300	37.700	35.400	36.000
41	18130	27.600	27.300	18.800	1.000	0.900	-0.100	0.200	34.700	32.400	33.500
42	191 0	25.900	24.800	17.000	0.700	0.500	-0.100	0.100	32.000	30.100	31.100
43	19130	24.900	21.700	15.000	0.700	0.400	-0.100	0.100	29.500	27.400	29.100
44	19133	8.300	0.400	0.500	-0.400	-0.200	0.100	-0.100	6.300	3.800	7.100

TITLE + CASE 1 DATE 85/10/28 TIME 16141135

CH. INDEX		121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 41	126 T= 42	127 T= 43	128 T= 44	129 T= 45	130 T= 46
INITIAL		17.700	18.300	18.000	17.000	19.900	19.500	18.300	17.400	17.800	16.900
FINAL		17.000	19.700	18.500	16.000	25.000	23.100	19.400	17.400	17.800	16.700
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.0	0.400	-0.100
3	01 0	0.0	0.0	-0.100	0.0	0.0	0.100	0.0	-0.100	0.300	-0.100
4	01 0	0.0	0.0	-0.100	0.0	0.0	0.100	-0.100	-0.100	0.100	-0.100
5	0130	0.0	0.100	-0.100	0.0	0.0	0.100	0.0	-0.100	-0.100	-0.100
6	11 0	0.200	0.500	0.100	0.0	10.400	0.400	9.400	4.300	0.200	0.0
7	1130	0.200	0.600	0.100	-0.100	20.300	16.700	20.800	9.100	0.500	0.200
8	21 0	0.400	1.100	0.200	0.0	27.500	23.400	26.100	12.500	1.100	0.400
9	2130	0.400	1.400	0.400	0.0	32.700	28.900	29.700	16.100	1.700	0.600
10	31 0	0.600	1.700	0.400	0.100	37.000	33.300	33.200	18.500	2.200	0.400
11	3130	0.700	1.900	0.400	0.100	40.300	37.000	35.200	19.400	2.200	0.400
12	41 0	0.700	2.400	0.800	0.100	43.600	41.000	38.700	20.700	2.500	0.300
13	4130	0.900	3.000	0.800	0.200	46.900	45.000	43.800	24.700	2.600	0.400
14	51 0	1.000	3.900	0.800	0.200	52.600	49.500	48.100	29.200	3.300	0.600
15	5130	1.300	4.200	1.000	0.300	55.700	53.000	50.400	32.700	3.400	0.600
16	61 0	1.300	6.200	1.100	0.300	58.900	56.100	52.400	35.100	5.100	0.700
17	6130	1.500	10.500	1.300	0.300	60.900	58.400	55.000	37.000	5.700	0.900
18	71 0	1.700	14.000	1.600	0.400	63.100	61.400	56.700	39.800	11.100	0.900
19	7130	1.700	15.200	1.700	0.200	66.700	63.000	58.500	40.100	14.900	1.400
20	81 0	1.700	18.200	1.900	0.100	66.600	66.700	60.200	41.000	16.500	1.500
21	8130	1.800	15.800	2.000	0.100	67.400	68.100	60.700	42.200	15.600	1.500
22	91 0	1.900	15.700	2.100	0.100	68.000	67.700	61.400	43.300	16.500	1.900
23	9130	1.800	16.500	2.200	0.0	69.900	68.600	62.000	42.900	17.600	1.600
24	101 0	1.700	17.200	2.200	0.0	76.700	66.300	62.800	42.600	13.900	1.603
25	10130	1.900	17.700	2.100	0.100	71.100	69.000	62.700	42.600	17.100	1.500
26	111 0	1.900	16.800	2.400	0.100	70.600	69.700	62.000	41.800	10.000	1.600
27	11130	2.200	19.100	2.600	0.200	70.700	69.700	62.100	41.300	10.400	1.900
28	121 0	2.800	19.500	2.600	0.400	69.900	69.200	61.100	42.200	11.600	1.700
29	12130	2.100	17.600	2.600	0.400	68.100	67.600	59.100	41.100	10.300	1.900
30	131 0	2.600	19.500	2.700	0.500	66.000	65.700	57.500	40.100	7.400	1.900
31	13130	2.700	16.900	3.000	0.400	63.700	63.200	54.000	38.100	4.200	1.600
32	141 0	2.600	16.600	2.900	0.600	60.600	60.300	51.300	36.700	4.200	1.700
33	14130	2.600	16.600	2.900	0.500	57.700	57.500	47.900	34.900	4.200	1.300
34	151 0	2.600	15.600	2.900	0.500	54.800	54.100	44.700	33.400	3.500	1.200
35	15130	2.500	14.000	2.800	0.500	51.200	50.800	42.100	31.800	2.900	1.000
36	161 0	2.500	13.000	2.700	0.400	47.500	47.500	36.200	28.300	1.700	0.800
37	16130	2.600	11.400	2.800	0.300	44.500	44.030	35.400	25.800	0.800	0.700
38	171 0	2.000	10.900	2.000	0.200	41.300	40.700	31.400	22.000	0.700	0.500
39	17130	1.800	9.700	2.200	0.200	38.200	37.600	29.400	20.400	1.700	0.500
40	181 0	1.500	8.900	1.900	0.100	35.200	34.600	26.500	18.300	0.700	0.400
41	18130	1.500	7.900	1.700	0.0	32.600	31.400	23.000	16.100	2.100	0.300
42	191 0	1.400	7.600	1.900	0.0	29.500	29.600	22.400	16.000	1.900	0.200
43	19130	1.100	6.500	1.900	0.0	27.600	27.200	21.000	15.000	2.000	0.100
44	19133	0.100	1.900	-0.100	-0.200	5.900	3.600	1.100	0.0	0.0	-0.200

TITLE + CASE 1 DATE 85/10/28 TIME 16141135

CH. INDEX		131 T= 47	132 T= 51	133 T= 52	134 T= 53	135 T= 54	136 T= 61	137 T= 62	138 T= 63	139 T= 64	140 T= 65
INITIAL		[illegible]	[illegible]	17.200	16.600	16.600	17.100	16.800	16.600	16.500	16.100
FINAL		[illegible]	21.200	17.500	16.500	16.600	19.100	17.700	15.800	16.700	15.700
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	-0.100	0.0	0.0	0.100	0.0	-0.300	0.0	0.100
3	01 0	[illegible]	0.0	-0.100	0.0	0.0	0.100	-0.100	-0.200	0.0	0.100
4	01 0	[illegible]	[illegible]	-0.100	-0.100	-0.100	0.0	0.0	-0.100	0.0	0.100
5	0130	[illegible]	[illegible]	-0.100	-0.100	0.0	0.100	0.100	0.100	0.0	0.200
6	11 0	[illegible]	[illegible]	0.800	0.0	0.0	0.100	0.100	0.0	0.0	0.200
7	1130	[illegible]	[illegible]	9.300	0.200	0.0	16.700	5.600	0.100	0.0	0.200
8	21 0	[illegible]	[illegible]	13.800	0.400	0.100	19.100	9.700	0.500	0.100	0.200
9	2130	[illegible]	[illegible]	19.000	0.600	0.100	25.500	15.100	1.200	0.100	0.200
10	31 0	[illegible]	[illegible]	22.400	0.700	0.200	26.200	18.600	1.100	0.100	0.100
11	3130	[illegible]	[illegible]	25.200	0.900	0.200	28.700	21.200	1.000	0.100	0.0
12	41 0	[illegible]	[illegible]	28.500	0.900	0.200	29.800	21.800	1.300	0.100	0.0
13	4130	[illegible]	[illegible]	29.100	1.000	0.200	33.500	25.400	1.200	0.100	0.0
14	51 0	[illegible]	[illegible]	33.000	1.200	0.200	37.700	28.800	2.000	0.100	0.0
15	5130	[illegible]	[illegible]	36.100	1.000	0.300	39.800	32.000	2.200	0.100	-0.100
16	61 0	[illegible]	[illegible]	38.000	1.500	0.300	42.400	34.600	2.500	0.0	-0.200
17	6130	[illegible]	[illegible]	40.000	1.600	0.300	43.600	36.900	3.600	0.0	-0.200
18	71 0	[illegible]	[illegible]	41.800	1.900	0.200	46.000	38.700	6.900	0.0	-0.300
19	7130	[illegible]	[illegible]	43.200	2.200	0.200	47.400	40.600	7.100	-0.100	-0.400
20	81 0	[illegible]	[illegible]	44.100	2.100	0.300	48.500	42.600	7.700	-0.100	-0.500
21	8130	[illegible]	[illegible]	45.100	2.100	0.100	49.100	43.800	7.500	-0.100	-0.500
22	91 0	[illegible]	[illegible]	46.200	2.100	0.100	50.700	44.600	8.400	0.0	-0.500
23	9130	[illegible]	[illegible]	47.100	2.400	0.200	51.100	45.300	8.700	0.0	-0.300
24	101 0	[illegible]	[illegible]	47.800	2.500	0.200	52.400	46.500	8.800	0.200	-0.200
25	10130	[illegible]	[illegible]	48.000	2.500	0.300	52.500	47.000	9.100	0.400	0.0
26	111 0	[illegible]	[illegible]	47.600	2.500	0.400	51.750	48.000	8.300	0.500	0.200
27	11130	[illegible]	[illegible]	47.800	2.400	0.400	52.000	47.100	8.600	0.600	0.400
28	121 0	[illegible]	[illegible]	47.400	2.700	0.700	51.800	46.700	8.000	0.700	0.500
29	12130	[illegible]	[illegible]	46.000	2.500	0.800	50.200	45.500	2.700	0.700	0.400
30	131 0	[illegible]	[illegible]	44.300	2.500	0.800	48.900	44.400	2.600	0.700	0.400
31	13130	[illegible]	[illegible]	43.300	2.300	0.900	47.500	43.200	2.200	0.700	0.400
32	141 0	[illegible]	[illegible]	40.700	2.000	0.800	45.200	41.300	1.900	0.700	0.300
33	14130	[illegible]	[illegible]	38.000	1.800	0.800	43.700	38.800	1.600	0.600	0.200
34	151 0	[illegible]	[illegible]	35.200	1.700	0.700	41.000	36.600	1.200	0.500	0.100
35	15130	[illegible]	[illegible]	32.000	1.600	0.800	38.300	34.000	1.500	0.400	0.0
36	161 0	[illegible]	[illegible]	29.800	1.300	0.600	36.000	32.600	0.900	0.300	0.0
37	16130	[illegible]	[illegible]	26.900	1.200	0.500	33.800	30.300	0.900	0.300	0.0
38	171 0	[illegible]	[illegible]	25.000	1.100	0.500	31.000	28.100	0.700	0.200	-0.100
39	17130	[illegible]	[illegible]	17.500	0.900	0.500	29.000	25.400	0.700	0.200	-0.100
40	181 0	[illegible]	[illegible]	18.700	0.900	0.400	27.000	21.600	0.600	0.200	-0.100
41	18130	[illegible]	[illegible]	12.000	0.700	0.500	25.300	20.100	0.100	0.100	-0.200
42	191 0	[illegible]	[illegible]	9.700	0.500	0.200	23.000	17.100	0.300	0.100	-0.100
43	19130	[illegible]	[illegible]	8.700	0.500	0.400	22.200	15.600	0.400	0.100	-0.200
44	19133	[illegible]	[illegible]	0.100	-0.100	-0.200	2.000	0.900	-0.600	-0.300	-0.400

TITLE : CASE 1 DATE 85/10/28 TIME 16:41:35

CH. INDEX		141 T= 71	142 T= 72	143 T= 73	144 T= 74	145 T= 81	146 T= 82	147 T= 83	148 T= 84	149 T= 85	150 T= 91
INITIAL		16.200	16.100	16.200	16.100	16.500	16.400	16.300	16.400	16.300	16.200
FINAL		16.300	15.500	15.600	15.300	16.400	16.100	15.900	15.900	15.700	15.800
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	-0.100	0.0	0.0	0.100	0.100	0.0	0.0	0.0	0.0	0.100
3	01 0	-0.100	0.0	0.100	0.100	0.100	0.0	0.0	0.0	0.0	0.100
4	01 0	0.0	0.100	0.100	0.100	0.100	0.0	0.0	0.0	0.0	0.100
5	0130	[illegible]	0.100	0.100	0.100	0.200	0.0	0.0	0.0	0.0	0.100
6	11 0	[illegible]	0.100	0.100	0.100	0.300	0.100	0.0	0.100	0.0	0.100
7	1130	[illegible]	0.0	0.0	0.100	0.200	0.0	0.0	0.0	0.0	0.100
8	21 0	[illegible]	0.100	0.0	0.0	0.200	0.0	-0.100	0.0	-0.100	0.100
9	2130	[illegible]	1.200	-0.100	0.0	0.200	0.100	0.0	-0.100	-0.100	0.100
10	31 0	[illegible]	[illegible]	0.0	-0.100	3.500	1.400	-0.100	-0.100	-0.100	0.0
11	3130	20.900	[illegible]	0.0	-0.200	8.300	2.700	-0.100	-0.200	-0.200	0.0
12	41 0	[illegible]	7.000	0.100	-0.200	11.700	5.700	0.200	-0.200	-0.200	0.800
13	4130	[illegible]	[illegible]	0.0	-0.100	13.900	8.100	0.400	-0.100	-0.100	2.100
14	51 0	[illegible]	12.400	0.0	-0.100	16.400	8.900	0.300	-0.100	-0.100	1.600
15	5130	[illegible]	[illegible]	-0.100	-0.400	17.700	12.500	0.400	-0.400	-0.400	5.400
16	61 0	[illegible]	[illegible]	0.100	-0.400	21.200	13.400	0.800	-0.500	-0.500	8.300
17	6130	[illegible]	21.900	0.0	-0.500	21.800	17.400	0.800	-0.500	-0.600	11.400
18	71 0	[illegible]	[illegible]	0.0	-0.600	23.000	19.900	1.000	-0.500	-0.600	13.600
19	7130	[illegible]	[illegible]	0.0	-0.700	27.200	21.300	1.200	-0.400	-0.700	15.600
20	81 0	[illegible]	[illegible]	0.0	-0.700	[illegible]	22.900	1.200	-0.400	-0.700	17.100
21	8130	[illegible]	[illegible]	0.0	-0.700	[illegible]	24.000	1.500	-0.500	-0.700	18.100
22	91 0	[illegible]	[illegible]	0.0	-0.500	[illegible]	25.000	1.600	-0.300	-0.600	19.500
23	9130	[illegible]	[illegible]	0.100	-0.400	[illegible]	25.600	2.100	-0.100	-0.900	20.200
24	101 0	[illegible]	[illegible]	0.500	-0.100	[illegible]	26.700	2.400	0.0	-0.300	20.900
25	10130	[illegible]	[illegible]	0.700	0.100	[illegible]	26.700	2.600	0.200	-0.200	21.500
26	111 0	[illegible]	[illegible]	0.800	0.200	[illegible]	26.900	2.900	0.300	-0.100	21.700
27	11130	[illegible]	[illegible]	0.400	0.300	12.700	27.200	2.200	0.300	-0.100	21.900
28	121 0	[illegible]	[illegible]	0.400	0.300	[illegible]	26.800	2.200	0.400	-0.100	21.700
29	12130	[illegible]	[illegible]	0.400	0.300	[illegible]	27.000	2.100	0.400	0.0	21.500
30	131 0	[illegible]	[illegible]	0.600	0.200	11.900	26.700	2.100	0.400	-0.100	21.700
31	13130	[illegible]	[illegible]	0.600	0.200	11.200	26.300	1.900	0.100	-0.100	21.100
32	141 0	[illegible]	[illegible]	0.400	0.100	10.500	25.400	1.700	0.200	-0.200	20.800
33	14130	[illegible]	[illegible]	0.300	-0.100	[illegible]	22.900	1.400	0.100	-0.200	19.900
34	151 0	[illegible]	[illegible]	0.200	-0.100	22.700	21.900	1.200	0.100	-0.200	18.500
35	15130	[illegible]	[illegible]	0.100	-0.100	26.200	18.900	1.100	0.100	-0.300	16.800
36	161 0	[illegible]	[illegible]	0.100	-0.200	25.000	18.900	1.000	0.100	-0.300	14.800
37	16130	[illegible]	[illegible]	0.0	-0.200	23.700	15.700	0.900	0.0	-0.300	12.900
38	171 0	[illegible]	[illegible]	0.0	-0.200	21.900	13.400	0.700	0.0	-0.300	11.200
39	17130	[illegible]	[illegible]	-0.100	-0.200	19.500	11.400	0.600	-0.100	-0.300	9.700
40	181 0	[illegible]	[illegible]	-0.200	-0.100	17.400	9.400	0.500	-0.100	-0.400	8.100
41	18130	[illegible]	[illegible]	-0.300	-0.300	14.600	7.700	0.400	-0.100	-0.400	6.800
42	191 0	[illegible]	[illegible]	-0.200	-0.400	11.400	6.400	0.400	-0.100	-0.400	5.900
43	19130	[illegible]	[illegible]	-0.300	-0.300	9.500	5.200	0.300	-0.100	-0.400	4.500
44	20133	[illegible]	[illegible]	-0.400	-0.400	0.100	-0.300	-0.400	-0.500	-0.600	-0.400

TITLE : CASE 1 DATE 85/10/28 TIME 16:41:35

CH. INDEX		151 T= 92	152 T= 93	153 T= 94	154 T=101	155 T=102	156 T=103	157 T=104	158 T=105	159 T=111	160 T=112
INITIAL		[illegible]	16.100	16.000	16.400	16.200	16.200	16.200	16.000	16.200	16.000
FINAL		[illegible]	15.600	15.200	15.400	15.900	15.600	15.600	15.200	15.600	15.300
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.100	0.0	0.0	-0.100	0.0	0.0	-0.100	0.0
3	01 0	0.0	-0.100	0.0	0.0	0.0	-0.100	-0.100	-0.100	-0.100	-0.100
4	01 0	0.0	-0.100	-0.100	0.100	0.0	-0.100	-0.100	-0.200	-0.100	-0.100
5	0130	0.0	-0.100	-0.100	0.100	-0.100	-0.100	-0.100	-0.200	-0.100	-0.100
6	11 0	0.0	-0.100	-0.100	0.100	0.0	-0.100	-0.100	-0.200	-0.100	-0.100
7	1130	0.0	-0.200	-0.100	0.100	-0.100	-0.100	0.0	-0.200	-0.100	-0.100
8	21 0	0.0	-0.200	-0.100	0.100	-0.100	-0.100	-0.100	-0.200	-0.100	-0.100
9	2130	0.0	-0.200	-0.200	0.100	-0.100	-0.100	-0.100	-0.300	-0.100	-0.200
10	31 0	-0.100	-0.300	-0.200	0.0	-0.100	-0.200	-0.100	-0.300	-0.300	-0.200
11	3130	-0.100	-0.300	-0.300	0.0	-0.200	-0.200	-0.100	-0.400	-0.400	-0.400
12	41 0	-0.100	-0.400	-0.300	-0.100	-0.300	-0.300	-0.200	-0.500	-0.400	-0.400
13	4130	0.0	-0.400	-0.300	-0.100	-0.300	-0.400	-0.300	-0.600	-0.500	-0.400
14	51 0	-0.100	-0.400	-0.400	-0.100	-0.400	-0.400	-0.400	-0.700	-0.600	-0.500
15	5130	[illegible]	-0.400	-0.700	0.500	-0.400	-0.500	-0.500	-0.600	-0.700	-0.600
16	61 0	[illegible]	-0.800	-0.800	1.500	-0.300	-0.500	-0.500	-0.600	-0.600	-0.600
17	6130	[illegible]	-0.700	-0.900	3.700	0.400	-0.400	-0.500	-0.900	-0.500	-0.600
18	71 0	[illegible]	-0.700	-0.900	6.700	1.400	-0.500	-0.500	-0.900	-0.600	-0.600
19	7130	[illegible]	-0.700	-0.900	8.900	2.700	-0.500	-0.600	-0.800	-0.500	-0.500
20	81 0	[illegible]	-0.800	-0.800	10.800	4.600	-0.300	-0.500	-0.700	-0.100	-0.300
21	8130	[illegible]	-0.400	-0.800	12.800	7.300	0.100	-0.500	-0.500	2.900	0.600
22	91 0	[illegible]	-0.100	-0.800	13.700	8.800	0.100	-0.300	-0.300	4.400	0.900
23	9130	10.800	0.100	-0.200	14.500	9.300	0.500	-0.200	-0.100	5.500	0.900
24	101 0	11.500	[illegible]	0.0	15.200	10.100	0.500	0.0	0.100	6.400	1.100
25	10130	[illegible]	0.100	0.0	15.900	11.300	0.600	0.0	0.100	7.500	1.200
26	111 0	11.600	[illegible]	0.100	16.400	11.600	0.600	0.100	0.100	8.200	1.400
27	11130	[illegible]	0.100	0.100	16.500	11.700	0.600	0.100	0.100	8.700	1.400
28	121 0	[illegible]	0.100	0.100	16.500	11.800	0.500	0.0	0.0	8.900	1.400
29	12130	2.400	0.200	0.0	16.400	12.600	0.400	0.0	-0.100	8.600	1.300
30	131 0	2.600	0.200	0.0	16.100	13.400	0.400	-0.100	-0.200	8.100	1.100
31	13130	[illegible]	0.100	-0.200	16.000	9.800	0.300	-0.100	-0.300	7.600	1.100
32	141 0	[illegible]	-0.100	-0.200	15.700	8.400	0.300	-0.100	-0.300	7.000	0.800
33	14130	[illegible]	0.0	-0.300	15.600	7.800	0.300	-0.200	-0.300	6.100	0.700
34	151 0	[illegible]	-0.100	-0.300	14.900	7.500	0.200	-0.200	-0.400	5.400	0.600
35	15130	[illegible]	-0.100	-0.300	12.600	6.500	0.200	-0.200	-0.300	4.800	0.400
36	161 0	[illegible]	-0.200	-0.300	10.800	5.400	0.200	-0.200	-0.400	4.300	0.200
37	16130	[illegible]	-0.200	-0.400	9.100	3.700	0.100	-0.200	-0.400	3.500	0.100
38	171 0	[illegible]	-0.200	-0.500	7.400	3.000	0.0	-0.300	-0.400	2.600	0.0
39	17130	[illegible]	-0.100	-0.600	6.900	2.500	0.0	-0.300	-0.400	1.800	-0.100
40	181 0	[illegible]	-0.300	-0.600	6.800	2.400	-0.100	-0.300	-0.400	1.900	-0.200
41	18130	1.500	-0.300	-0.600	5.100	2.200	-0.100	-0.300	-0.500	0.400	-0.200
42	191 0	1.400	-0.400	-0.500	4.500	1.800	-0.100	-0.300	-0.400	0.100	-0.300
43	19130	1.100	-0.300	-0.500	3.000	1.500	-0.100	-0.400	-0.400	0.0	-0.100
44	20133	-0.400	-0.700	-0.800	-0.500	-0.300	-0.600	-0.600	-0.800	-0.400	-0.700

TITLE : CASE 1 DATE 85/10/28 TIME 16:41:35

CH. INDEX		161 T=113	162 T=114	163 T=121	164 T=122	165 T=123	166 T=124	167 T=125	168 T=131	169 T=132	170 T=133
INITIAL		15.700	15.800	16.100	15.900	15.800	15.600	15.700	15.700	15.500	15.500
FINAL		15.100	15.100	15.400	15.200	15.000	15.000	14.900	14.900	14.700	14.800
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	-0.100	0.0	-0.100	-0.100	-0.100	-0.100	0.0	0.0	-0.100
3	01 0	0.0	-0.100	-0.200	-0.100	-0.200	-0.100	-0.100	0.0	0.0	-0.100
4	01 0	0.0	-0.100	-0.200	-0.300	-0.200	-0.100	-0.200	0.0	-0.100	-0.200
5	0130	-0.100	-0.200	-0.200	-0.200	-0.200	-0.200	-0.200	0.0	-0.200	-0.200
6	11 0	0.0	-0.200	-0.200	-0.100	-0.200	-0.200	-0.200	0.0	-0.300	-0.300
7	1130	-0.100	-0.200	-0.200	-0.100	-0.200	-0.300	-0.300	-0.200	-0.300	-0.300
8	21 0	-0.100	-0.200	-0.100	-0.300	-0.300	-0.300	-0.400	-0.300	-0.300	-0.300
9	2130	-0.200	-0.300	-0.100	-0.400	-0.300	-0.400	-0.400	-0.400	-0.400	-0.500
10	31 0	-0.300	-0.400	-0.300	-0.600	-0.500	-0.600	-0.600	-0.600	-0.600	-0.700
11	3130	-0.600	-0.500	-0.500	-0.800	-0.600	-0.800	-0.700	-0.700	-0.700	-0.800
12	41 0	-0.600	-0.600	-0.500	-0.800	-0.700	-0.800	-0.800	-0.800	-0.800	-0.800
13	4130	-0.700	-0.800	-0.600	-0.800	-0.700	-1.000	-1.000	-0.700	-0.800	-0.800
14	51 0	-0.600	-0.800	-0.600	-0.900	-0.800	-1.000	-0.900	-0.900	-0.900	-0.800
15	5130	-0.800	-0.900	-0.600	-0.900	-0.900	-1.000	-1.000	-0.700	-0.900	-0.900
16	61 0	-0.700	-0.800	-0.500	-0.800	-0.800	-0.400	-0.900	-0.500	-0.500	-0.600
17	6130	-0.600	-0.600	-0.600	-0.600	-0.700	-0.700	-0.800	-0.200	-0.200	-0.400
18	71 0	-0.500	-0.700	-0.200	-0.400	-0.400	-0.400	-0.600	0.200	0.200	0.0
19	7130	-0.400	-0.600	-0.200	-0.200	-0.300	-0.100	-0.400	0.100	0.300	0.100
20	81 0	-0.200	-0.400	0.0	-0.100	-0.100	0.200	-0.200	0.100	0.300	0.300
21	8130	0.100	-0.200	0.200	0.0	0.0	0.300	0.0	0.300	0.400	0.100
22	91 0	0.300	0.100	0.100	0.100	0.100	0.400	0.200	0.300	0.400	0.300
23	9130	0.400	0.200	0.200	0.200	0.200	0.300	0.200	0.300	0.400	0.400
24	101 0	0.400	0.200	0.200	0.200	0.200	0.400	0.200	0.100	0.300	0.200
25	10130	0.400	0.200	0.200	0.100	0.100	0.400	0.100	0.100	0.200	0.200
26	111 0	0.400	0.200	0.200	0.0	0.100	0.300	0.100	0.200	0.100	0.0
27	11130	0.100	0.100	0.400	0.100	0.0	0.200	0.0	0.100	-0.200	-0.100
28	121 0	0.200	0.0	1.700	0.0	-0.100	0.100	-0.100	-0.100	-0.300	-0.300
29	12130	0.100	-0.100	2.200	-0.100	-0.200	-0.100	-0.200	-0.100	-0.300	-0.300
30	131 0	0.0	-0.200	2.000	-0.200	-0.300	-0.100	-0.300	-0.100	-0.200	-0.100
31	13130	-0.100	-0.200	2.200	0.0	-0.200	-0.100	-0.100	-0.100	-0.100	-0.100
32	141 0	-0.100	-0.200	1.100	-0.200	-0.300	-0.200	-0.100	-0.300	-0.300	-0.200
33	14130	-0.100	-0.300	0.400	-0.400	-0.400	-0.200	-0.100	-0.200	-0.300	-0.300
34	151 0	-0.100	-0.300	-0.100	-0.400	-0.400	-0.200	-0.300	-0.200	-0.400	-0.400
35	15130	-0.200	-0.300	-0.200	-0.400	-0.400	-0.300	-0.400	-0.200	-0.300	-0.300
36	161 0	-0.200	-0.400	-0.400	-0.500	-0.400	-0.300	-0.400	-0.200	-0.300	-0.400
37	16130	-0.300	-0.400	-0.400	-0.400	-0.400	-0.300	-0.400	-0.300	-0.400	-0.400
38	171 0	-0.300	-0.400	-0.400	-0.500	-0.500	-0.300	-0.400	-0.400	-0.500	-0.500
39	17130	-0.300	-0.300	-0.400	-0.500	-0.500	-0.400	-0.500	-0.500	-0.400	-0.500
40	181 0	-0.400	-0.400	-0.600	-0.600	-0.600	-0.400	-0.500	-0.400	-0.600	-0.500
41	18130	-0.400	-0.500	-0.600	-0.600	-0.600	-0.400	-0.500	-0.600	-0.600	-0.600
42	191 0	-0.400	-0.400	-0.600	-0.600	-0.600	-0.400	-0.500	-0.700	-0.600	-0.500
43	19130	-0.400	-0.400	-0.400	-0.500	-0.200	-0.300	-0.400	-0.600	-0.500	-0.400
44	20133	-0.600	-0.700	-0.700	-0.700	-0.800	-0.800	-0.800	-0.800	-0.800	-0.700

TITLE : CASE 1 DATE 85/10/28 TIME 16:41:35

CH. INDEX		171 T=134	172 T=141	173 T=151	201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31
INITIAL		19.600	19.000	18.000	0.146	0.155	0.154	0.167	0.162	0.160	0.155
FINAL		19.100	21.300	18.000	0.171	0.115	0.143	0.156	0.161	0.158	0.138
LOOP	TIME	(C)	(C)	(C)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	0.0	0.0	0.0	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	0.100	0.100	0.0	100.014	99.961	100.065	99.975	100.057	99.950	100.050
3	01 0	0.0	0.0	-0.100	100.096	99.976	100.142	100.086	100.068	99.996	100.086
4	01 0	-0.100	0.100	0.0	100.157	100.066	100.117	100.012	100.051	99.996	100.116
5	0130	-0.100	0.100	0.0	99.865	99.869	100.071	100.006	100.000	99.975	100.006
6	11 0	-0.100	0.300	0.0	99.973	99.871	100.130	99.988	100.037	99.950	100.058
7	1130	-0.200	0.300	0.0	100.068	99.973	100.106	100.063	100.063	100.019	100.000
8	21 0	-0.400	0.700	0.0	100.089	99.969	100.196	100.031	100.029	99.960	100.135
9	2130	-0.400	2.000	0.0	100.225	99.995	100.125	100.025	100.019	99.975	100.160
10	31 0	-0.600	5.200	0.0	98.771	99.556	100.227	100.037	100.093	99.987	100.200
11	3130	-0.400	6.300	0.0	89.760	91.016	98.316	100.031	100.105	99.881	94.480
12	41 0	-0.800	9.000	0.100	87.561	86.810	97.897	98.013	99.916	99.987	89.921
13	4130	-0.800	9.400	0.0	92.767	88.866	93.603	89.866	99.625	99.962	89.736
14	51 0	-0.800	6.400	0.0	92.696	92.155	96.266	92.000	99.062	99.996	93.661
15	5130	-0.700	7.000	0.0	92.037	91.616	96.691	95.752	98.015	100.031	93.279
16	61 0	-0.500	7.700	0.0	91.757	91.908	96.206	95.119	98.668	99.996	96.158
17	6130	-0.200	6.200	0.0	91.096	91.086	96.738	95.051	97.095	99.900	93.995
18	71 0	0.200	8.900	0.0	92.091	91.229	96.083	95.626	96.966	99.910	92.910
19	7130	0.300	9.200	0.0	94.031	91.662	97.736	95.606	97.567	99.987	96.505
20	81 0	0.500	9.700	0.0	89.072	90.032	96.011	95.251	97.161	99.806	96.267
21	8130	0.500	10.200	0.0	85.489	86.665	90.608	83.960	94.802	99.787	88.967
22	91 0	0.500	10.800	0.100	87.866	86.690	96.561	87.601	95.709	99.781	89.577
23	9130	0.500	11.700	0.0	87.665	85.810	96.760	91.960	96.380	99.950	90.770
24	101 0	0.400	11.700	0.100	86.791	87.591	96.911	90.565	90.338	99.781	91.097
25	10130	0.300	12.000	0.100	85.965	85.065	92.929	86.216	94.567	99.608	91.065
26	111 0	0.300	12.400	0.100	88.076	87.614	96.632	91.116	93.766	99.660	90.050
27	11130	0.0	12.500	0.100	85.006	85.169	93.361	90.502	93.499	99.491	89.805
28	121 0	-0.100	12.800	0.0	86.429	87.776	94.266	90.609	93.351	99.500	90.566
29	12130	0.0	13.000	0.100	87.167	88.970	95.060	90.197	94.203	99.556	92.669
30	131 0	0.0	12.900	0.100	87.242	89.162	96.399	89.603	96.567	99.531	92.965
31	13130	0.0	12.800	0.100	86.884	86.262	96.729	92.066	96.456	99.176	93.010
32	141 0	0.0	12.800	0.100	85.626	80.280	95.060	91.367	93.727	99.765	92.713
33	14130	0.0	12.900	0.100	85.926	88.082	94.960	91.070	93.153	99.387	92.276
34	151 0	-0.100	12.300	0.100	95.057	86.376	93.022	91.707	95.666	99.306	91.701
35	15130	-0.100	11.900	0.100	85.200	87.927	96.011	93.111	96.380	99.306	91.817
36	161 0	-0.100	11.500	0.100	86.401	87.666	96.568	95.591	96.657	99.667	91.696
37	16130	-0.100	11.100	0.100	81.255	86.706	96.660	94.661	97.607	99.662	91.578
38	171 0	-0.300	10.700	0.100	86.911	84.655	96.819	94.175	97.160	99.575	90.346
39	17130	-0.220	10.200	0.100	86.032	87.657	96.419	92.760	97.007	99.531	91.695
40	181 0	-0.200	9.700	0.100	83.995	87.377	96.543	93.006	90.111	99.575	90.675
41	18130	-0.200	9.200	0.100	86.503	86.066	94.676	95.121	98.666	99.650	91.056
42	191 0	-0.200	8.700	0.100	86.806	80.269	96.656	95.010	98.191	99.556	91.217
43	19130	-0.200	8.100	0.100	82.976	80.187	95.560	94.667	90.135	99.681	90.177
44	20133	-0.390	2.300	0.0	87.366	86.077	97.625	96.692	99.267	98.999	89.063

TITLE = CASE 1 DATE 85/10/28 TIME 16:41:39

CH. INDEX		208 S= 32	209 S= 33	210 S= 34	211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 45	217 S= 51
INITIAL		0.150	0.156	0.157	0.160	0.151	0.155	0.154	0.148	0.166	0.155
FINAL		0.139	0.166	0.151	0.169	0.139	0.143	0.147	0.140	0.166	0.116
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	99.995	100.032	99.987	100.037	100.000	100.032	100.013	100.087	99.823	100.020
3	01 0	100.020	100.065	99.981	100.057	100.007	100.118	100.007	100.067	100.011	100.085
4	01 0	100.047	100.065	100.006	100.011	100.033	100.097	100.026	100.027	99.951	100.085
5	0130	99.973	100.065	100.083	100.011	100.079	100.091	100.039	100.013	99.896	100.092
6	11 0	99.927	100.104	100.013	100.031	100.040	99.968	100.007	100.034	99.859	99.952
7	1130	99.960	100.091	100.000	100.042	100.053	99.935	99.968	100.020	99.800	99.765
8	21 0	99.960	100.110	99.987	100.002	100.093	99.942	99.987	100.020	99.790	99.712
9	2130	99.973	100.104	100.019	100.037	100.119	100.000	99.974	100.007	99.786	99.693
10	31 0	99.993	100.136	99.994	100.075	100.093	100.058	99.987	100.061	99.951	99.673
11	3130	91.710	99.961	99.981	100.049	99.697	99.799	100.007	100.040	99.853	99.560
12	41 0	86.580	97.145	99.975	100.031	92.097	91.332	98.914	99.987	99.823	96.800
13	4130	78.810	90.870	98.689	100.031	87.665	86.202	96.521	99.730	99.886	92.477
14	51 0	89.031	92.219	92.602	100.006	91.032	88.770	91.672	99.150	100.065	88.023
15	5130	89.766	95.999	92.111	99.925	92.076	91.201	93.107	99.272	100.167	98.006
16	61 0	90.261	95.262	94.301	99.925	95.075	91.681	96.538	99.807	99.957	91.300
17	6130	89.698	96.000	94.093	99.818	93.730	91.655	95.572	99.836	99.980	91.967
18	71 0	89.926	96.957	94.823	99.744	93.261	91.705	95.668	99.137	100.104	91.826
19	7130	92.277	96.666	94.823	99.986	93.311	92.309	95.285	99.089	100.251	90.209
20	81 0	92.323	96.666	93.978	99.744	96.157	94.320	95.715	98.021	100.250	92.610
21	8130	85.606	93.961	96.779	99.780	92.980	92.078	96.697	98.996	99.798	91.616
22	91 0	86.072	89.358	93.222	99.613	88.371	86.429	92.458	98.591	100.079	86.721
23	9130	87.238	90.193	90.296	99.601	89.821	88.111	89.960	98.268	100.063	88.616
24	101 0	87.617	91.390	90.690	99.626	91.369	90.349	92.606	97.978	99.976	86.577
25	10130	87.169	94.756	96.250	99.561	92.690	90.659	92.893	96.529	99.927	86.995
26	111 0	87.159	89.228	94.567	98.908	90.919	89.385	93.621	97.277	99.815	86.007
27	11130	83.095	88.316	96.148	98.989	91.583	96.672	92.197	97.176	99.050	85.156
28	121 0	87.657	90.355	89.605	99.151	90.617	88.356	93.047	96.812	99.410	86.107
29	12130	89.452	91.002	88.890	98.877	92.249	88.861	92.867	96.502	99.336	86.656
30	131 0	90.136	92.355	89.265	99.771	96.190	93.189	92.763	97.035	99.175	86.867
31	13130	88.675	92.763	89.157	99.066	96.148	92.956	93.885	97.189	99.493	86.066
32	141 0	92.806	93.610	88.020	99.108	93.968	94.262	94.603	97.297	99.401	85.569
33	14130	91.050	92.976	89.511	99.020	93.908	93.007	94.232	97.070	99.366	86.250
34	151 0	89.806	94.711	89.767	98.869	93.315	92.710	93.601	98.039	99.187	85.125
35	15130	90.996	92.290	90.040	99.207	92.917	92.052	94.036	97.857	99.505	85.183
36	161 0	91.293	92.976	89.932	99.232	91.102	92.930	93.731	98.322	99.520	86.281
37	16130	91.672	92.808	90.263	99.170	93.966	93.196	95.006	98.369	99.476	85.007
38	171 0	91.144	93.080	91.571	99.201	92.698	93.137	95.012	98.067	99.469	85.031
39	17130	92.566	92.523	92.905	99.339	93.221	92.917	94.869	98.470	99.517	86.070
40	181 0	91.375	93.022	91.977	99.291	92.098	92.289	94.785	98.740	99.476	86.080
41	18130	91.599	93.352	92.409	99.468	93.256	93.066	95.357	98.881	99.676	86.811
42	191 0	92.085	92.672	92.924	99.361	93.366	91.656	95.051	99.313	99.438	86.529
43	19130	91.190	93.702	93.140	99.682	92.963	93.668	95.077	98.988	99.707	86.401
44	34133	92.137	92.965	95.725	99.632	91.958	92.007	95.891	99.456	99.939	87.578

TITLE = CASE 1 DATE 85/10/28 TIME 16:41:39

CH. INDEX		218 S= 52	219 S= 53	220 S= 54	221 S= 61	222 S= 62	223 S= 63	224 S= 64	225 S= 71	226 S= 72	227 S= 81
INITIAL		0.160	0.163	0.156	0.165	0.156	0.155	0.158	0.169	0.156	0.156
FINAL		0.162	0.160	0.155	0.129	0.163	0.145	0.158	0.139	0.156	0.163
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	99.850	100.000	99.819	100.021	99.974	99.896	99.987	100.000	100.000	100.013
3	01 0	100.031	100.123	100.051	100.021	100.039	100.078	100.000	100.180	100.019	100.026
4	01 0	99.963	100.167	99.916	100.055	100.013	99.927	99.966	100.136	100.013	100.026
5	0130	99.960	99.914	99.929	100.021	100.011	99.928	100.006	100.147	100.019	100.032
6	11 0	99.886	100.000	99.916	100.014	100.078	100.013	100.006	100.176	100.026	100.026
7	1130	99.819	100.037	99.981	98.909	99.909	99.948	100.019	100.181	100.019	100.026
8	21 0	99.511	99.926	99.814	98.681	98.369	99.661	99.901	99.657	100.006	100.019
9	2130	99.869	99.930	99.897	98.329	96.996	99.569	99.991	98.146	100.037	100.006
10	31 0	99.500	99.988	99.886	97.673	97.665	99.511	100.000	97.963	100.032	99.715
11	3130	99.269	99.957	99.652	97.970	96.510	99.367	99.994	98.218	99.996	98.865
12	41 0	98.807	99.994	99.955	97.292	96.769	99.595	100.019	97.997	99.996	98.676
13	4130	97.121	99.865	99.820	92.806	95.781	98.781	100.075	97.901	100.006	98.637
14	51 0	85.362	99.926	100.006	83.966	83.615	90.878	100.025	88.611	100.000	97.763
15	5130	87.672	98.821	100.120	83.718	86.668	88.702	100.044	87.171	100.000	98.596
16	61 0	89.603	95.780	100.019	85.990	85.856	86.656	100.038	87.106	100.000	83.518
17	6130	85.365	96.615	99.981	86.369	86.000	89.306	100.075	85.871	100.006	87.500
18	71 0	96.195	97.882	100.000	87.056	89.221	91.677	100.051	86.501	100.000	86.573
19	7130	96.670	97.626	100.193	87.377	89.010	88.339	100.076	86.667	99.823	86.110
20	81 0	90.270	97.357	100.186	88.366	87.635	90.688	100.076	86.910	99.785	88.209
21	8130	90.696	97.063	99.852	98.360	91.907	91.367	100.013	88.089	99.751	86.888
22	91 0	87.312	96.807	100.045	86.063	90.975	90.886	100.018	89.718	99.673	89.135
23	9130	83.012	96.816	99.606	80.019	85.776	86.909	100.051	82.187	99.621	91.166
24	101 0	79.920	95.720	99.801	79.671	86.702	86.682	100.025	81.262	99.095	85.116
25	10130	88.626	96.013	99.865	82.005	86.623	85.052	99.988	76.205	98.365	87.668
26	111 0	88.950	96.211	99.730	82.905	85.129	86.368	100.019	80.867	97.992	86.616
27	11130	88.066	93.605	99.628	81.665	86.967	87.766	99.987	81.356	97.729	85.856
28	121 0	81.961	92.866	99.319	82.810	86.561	86.900	99.987	80.967	98.762	86.562
29	12130	82.091	96.601	99.510	79.702	86.125	85.950	99.918	80.675	98.308	86.687
30	131 0	86.911	96.107	99.602	80.052	86.177	86.007	99.975	80.990	99.296	86.971
31	13130	85.911	95.613	99.861	83.080	89.395	86.518	99.937	82.057	98.736	86.765
32	141 0	85.557	95.989	99.621	86.663	89.015	87.671	99.968	86.156	99.230	87.180
33	14130	86.950	96.609	99.260	83.600	88.677	87.993	99.880	83.796	98.837	87.866
34	151 0	86.312	97.308	98.965	86.519	89.272	87.080	99.750	86.600	98.276	88.615
35	15130	81.765	97.357	99.299	83.669	88.170	88.260	99.896	86.277	98.569	88.620
36	161 0	82.081	97.090	99.299	83.172	89.670	86.776	99.905	86.675	98.576	88.007
37	16130	82.565	97.396	99.576	83.027	88.651	89.176	99.868	86.006	99.763	87.857
38	171 0	86.237	97.332	99.126	86.663	87.136	90.265	99.937	86.602	98.900	87.721
39	17130	83.666	98.971	99.686	86.622	86.029	91.667	99.875	85.329	99.620	88.111
40	181 0	82.796	97.090	99.299	86.519	87.621	92.006	99.943	85.128	98.759	88.805
41	18130	83.725	97.663	99.816	86.686	88.657	92.574	99.911	86.766	99.256	88.887
42	191 0	83.451	97.328	99.119	85.113	86.962	92.287	99.886	85.602	99.461	89.187
43	19130	86.710	97.663	99.576	85.672	89.196	92.592	99.905	86.072	99.910	89.622
44	34133	89.696	96.272	99.708	86.325	87.291	96.460	100.025	88.613	99.867	93.079

TITLE = CASE 1 DATE 85/10/28 TIME 16:41:39

CH. INDEX		228 S= 82	229 S= 83	230 S= 91	231 S= 92	232 S=101	233 S=102	234 S=103	235 S=111	236 S=112	237 S=121
INITIAL		0.159	0.158	0.157	0.156	0.150	0.157	0.160	0.157	0.155	0.159
FINAL		0.152	0.159	0.150	0.156	0.148	0.157	0.161	0.156	0.156	0.160
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	99.981	100.000	100.000	100.045	99.973	99.968	99.981	100.000	99.943	99.975
3	01 0	100.000	100.019	100.013	100.026	99.960	100.000	100.000	100.000	100.033	99.994
4	01 0	100.066	100.013	100.013	99.994	99.973	99.981	100.000	99.962	100.020	99.981
5	0130	100.000	100.006	99.975	99.994	99.960	99.968	99.988	99.962	100.013	99.969
6	11 0	100.000	100.025	100.000	100.013	99.947	99.987	100.000	99.962	100.026	99.975
7	1130	99.987	100.032	100.000	100.032	99.971	99.987	100.019	99.994	100.039	99.981
8	21 0	99.981	100.019	99.981	100.032	99.927	99.975	100.000	99.995	100.020	99.975
9	2130	99.981	100.032	99.987	100.019	99.907	99.981	100.000	99.962	100.026	99.969
10	31 0	99.981	100.038	99.981	100.006	99.867	99.987	100.012	99.938	100.026	99.981
11	3130	99.955	100.032	99.975	100.058	99.913	99.987	100.019	99.923	100.039	99.981
12	41 0	99.929	100.038	99.875	100.032	99.947	100.006	100.025	99.955	100.097	99.906
13	4130	99.903	100.044	99.778	100.032	99.913	100.006	100.031	99.930	100.052	99.981
14	51 0	99.955	100.051	99.727	100.019	99.900	100.019	100.044	99.917	100.072	99.975
15	5130	99.755	100.063	99.098	100.051	99.840	100.019	100.050	99.936	100.065	100.013
16	61 0	99.450	100.063	97.662	100.026	99.893	100.013	100.069	99.962	100.091	100.075
17	6130	97.300	100.057	98.197	100.058	98.829	100.032	100.069	99.969	100.104	100.050
18	71 0	93.825	100.076	87.178	100.090	88.169	100.025	100.087	100.000	100.144	100.100
19	7130	93.367	100.095	90.611	100.084	86.906	99.965	100.119	100.109	100.157	100.169
20	81 0	93.032	100.101	90.971	100.038	87.617	99.520	100.125	92.595	100.196	100.169
21	8130	93.290	100.076	91.137	100.070	83.691	98.087	100.100	88.092	100.163	100.119
22	91 0	93.976	100.082	92.217	100.058	80.615	95.677	100.137	86.163	100.202	100.151
23	9130	93.612	100.076	92.366	99.925	83.578	93.920	100.131	83.116	100.196	100.144
24	101 0	95.219	100.082	93.512	99.955	85.051	92.838	100.144	86.749	100.209	100.143
25	10130	96.077	100.006	92.136	99.962	86.756	93.188	100.144	86.567	100.202	100.151
26	111 0	95.890	100.032	97.922	100.000	81.236	94.500	100.167	70.318	100.215	100.151
27	11130	95.671	100.063	89.941	99.942	76.527	95.550	100.137	86.117	100.157	91.918
28	121 0	93.593	100.044	90.781	100.019	80.942	95.741	100.087	89.343	100.163	93.173
29	12130	92.780	100.076	89.313	100.006	82.891	96.686	100.112	90.659	100.124	91.516
30	131 0	92.612	99.987	90.365	100.019	84.973	95.039	100.112	90.928	99.980	93.725
31	13130	93.264	100.000	89.962	99.949	85.093	96.912	99.888	91.369	99.961	93.013
32	141 0	93.191	99.994	89.807	100.019	87.802	95.916	99.968	88.813	100.176	99.209
33	14130	93.890	99.823	91.073	100.000	86.150	96.511	100.131	90.212	100.144	100.157
34	151 0	94.595	99.766	92.210	99.996	89.507	97.199	100.137	90.600	100.150	100.157
35	15130	95.250	99.981	92.827	99.955	92.106	98.016	100.169	90.928	100.176	100.138
36	161 0	95.355	100.019	92.719	100.070	92.620	97.665	100.194	91.292	100.189	100.132
37	16130	95.176	100.082	92.601	99.987	92.355	98.981	100.206	92.250	100.207	100.126
38	171 0	95.612	100.063	92.878	100.032	92.827	99.816	100.231	93.585	100.215	100.132
39	17130	95.608	100.012	92.820	100.032	91.220	99.959	100.262	98.301	100.215	100.112
40	181 0	96.213	100.032	91.962	100.045	93.621	99.803	100.269	99.701	100.215	100.113
41	18130	97.176	100.116	93.746	100.103	94.288	99.987	100.306	99.681	100.255	100.132
42	191 0	97.612	100.083	93.265	100.066	95.160	99.930	100.275	99.676	100.189	100.180
43	19130	97.760	100.107	93.475	100.032	95.769	99.930	100.300	99.661	100.235	100.126
44	34133	98.342	100.202	95.601	100.154	98.005	100.065	100.457	99.534	100.379	100.182

TITLE = CASE 1 DATE 85/10/28 TIME 16:41:39

CH. INDEX		238 S=122	239 S=123	240 S=131
INITIAL		0.156	0.158	0.160
FINAL		0.157	0.154	0.151
LOOP	TIME	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000
2	01 0	100.000	100.000	100.019
3	01 0	100.000	100.013	99.975
4	01 0	100.000	100.013	99.793
5	0130	100.000	99.994	99.781
6	11 0	100.013	100.025	99.612
7	1130	100.006	100.032	99.987
8	21 0	100.000	100.019	100.013
9	2130	100.006	100.025	100.088
10	31 0	100.006	100.038	100.457
11	3130	100.019	100.044	99.882
12	41 0	100.019	100.057	99.082
13	4130	100.032	100.076	98.566
14	51 0	100.019	100.101	97.282
15	5130	100.065	100.101	95.191
16	61 0	100.065	100.114	92.610
17	6130	100.083	100.120	91.096
18	71 0	100.121	100.139	90.025
19	7130	100.156	100.151	89.971
20	81 0	100.141	100.158	88.090
21	8130	100.116	100.126	87.019
22	91 0	100.153	100.151	86.199
23	9130	100.148	100.158	87.070
24	101 0	100.160	100.170	86.865
25	10130	100.160	100.166	82.705
26	111 0	100.160	100.177	82.768
27	11130	100.167	100.151	82.711
28	121 0	100.160	100.133	87.660
29	12130	99.983	100.145	87.055
30	131 0	100.180	100.126	82.793
31	13130	100.162	100.151	82.026
32	141 0	100.136	100.151	86.202
33	14130	100.115	100.133	85.368
34	151 0	100.015	100.097	86.688
35	15130	100.141	100.151	87.615
36	161 0	100.153	100.177	84.779
37	16130	100.173	100.202	89.867
38	171 0	100.173	100.208	91.016
39	17130	100.179	100.227	91.679
40	181 0	100.173	100.215	93.200
41	18130	100.199	100.246	93.907
42	191 0	100.166	100.196	94.827
43	19130	100.192	100.233	95.122
44	34133	100.300	100.463	94.663

実験No.14 TITLE = CASE A (A) DATE 85/10/29 TIME 9147192

CH. INDEX		101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		14.300	14.500	14.400	14.100	13.900	14.200	14.000	14.100	14.200	14.000
FINAL		19.500	15.300	15.000	15.000	14.700	15.000	15.100	14.800	14.700	15.000
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.0	-0.200
3	01 0	0.0	0.0	-0.200	0.100	0.100	0.100	0.400	0.100	0.0	-0.300
4	01 0	7.500	4.700	1.200	0.500	0.300	0.300	0.300	0.500	0.200	0.100
5	0130	17.600	10.700	8.000	6.300	4.300	3.500	2.400	1.700	1.000	7.200
6	11 0	25.200	13.200	12.100	10.300	8.500	6.000	4.700	2.700	1.400	9.600
7	1130	27.300	15.700	13.800	12.300	10.400	8.100	5.400	2.800	1.400	11.500
8	21 0	31.400	17.800	15.300	16.000	12.000	8.700	5.900	3.200	1.400	12.500
9	2130	34.800	18.000	16.200	15.300	13.500	11.300	8.100	3.700	1.700	16.000
10	31 0	34.300	22.000	18.400	17.100	14.200	11.000	8.100	4.500	1.900	18.400
11	3130	43.200	24.900	19.200	16.800	16.100	10.400	6.900	3.200	1.700	18.700
12	41 0	42.500	23.900	19.900	17.800	16.200	11.200	9.400	4.100	1.700	19.800
13	4130	44.700	23.800	20.600	18.200	16.000	13.500	10.500	5.600	2.100	19.500
14	51 0	41.800	22.800	20.200	18.400	16.100	13.800	10.800	5.800	2.000	19.300
15	5130	42.400	24.900	21.900	19.500	16.300	13.900	10.300	5.000	2.300	20.400
16	61 0	42.100	24.300	20.500	18.800	16.200	12.900	10.300	5.600	2.300	20.400
17	6130	45.600	25.400	22.500	19.100	16.400	13.800	13.100	6.900	2.000	21.000
18	71 0	41.000	25.900	22.200	19.900	17.600	14.700	10.400	6.800	1.800	22.000
19	7130	44.300	27.300	23.800	20.200	17.100	13.800	9.100	5.100	2.100	21.400
20	81 0	45.900	26.400	22.300	20.500	18.300	14.500	10.500	5.400	2.700	22.500
21	8130	45.800	26.100	21.700	19.200	17.000	15.800	11.400	6.400	2.900	21.900
22	91 0	46.400	27.900	23.100	20.400	17.000	15.100	11.100	6.100	2.500	22.700
23	9130	43.000	25.100	22.000	20.100	17.200	16.100	11.200	6.900	2.700	21.400
24	101 0	45.000	25.100	21.800	19.700	16.900	14.000	11.000	5.800	2.100	21.100
25	10130	48.800	26.500	21.800	21.400	18.800	12.400	9.100	4.600	2.100	22.100
26	111 0	48.100	28.100	21.500	20.900	17.900	15.600	11.800	5.800	2.100	22.800
27	11130	40.400	28.700	21.300	20.100	16.600	13.200	10.100	5.200	1.800	22.600
28	121 0	47.500	24.700	23.200	20.400	18.400	14.800	10.700	5.600	2.200	22.900
29	12130	47.800	25.900	25.100	21.400	18.500	15.100	11.700	6.100	2.100	22.200
30	131 0	45.300	26.000	22.500	20.800	18.000	14.900	11.600	5.300	2.000	21.900
31	13130	42.900	25.200	22.400	20.400	18.800	13.800	10.700	5.400	2.500	21.100
32	141 0	43.000	22.500	20.700	18.300	18.500	14.400	10.700	5.200	2.500	20.700
33	14130	43.300	24.000	22.000	20.300	16.000	12.200	7.500	4.300	2.000	21.100
34	151 0	44.000	22.800	20.300	18.800	16.700	13.800	9.600	5.900	2.900	20.800
35	15130	41.200	21.000	20.800	19.400	17.100	11.800	9.300	5.100	2.300	18.900
36	161 0	35.400	20.400	18.700	17.200	15.900	12.500	9.100	5.100	2.000	18.400
37	16130	34.300	19.900	18.800	17.100	15.200	12.900	9.900	5.900	2.200	17.700
38	171 0	37.500	18.700	17.800	16.500	16.800	12.400	10.200	5.200	2.700	16.800
39	17130	34.400	18.100	15.300	14.500	13.200	11.200	8.100	4.500	2.000	16.900
40	181 0	28.800	13.900	12.800	11.900	11.300	9.200	6.500	3.800	2.200	12.400
41	18130	29.500	18.800	9.900	9.400	7.400	5.400	5.900	2.300	1.900	11.000
42	191 0	23.000	9.900	7.500	6.000	4.700	3.700	3.200	2.000	1.400	9.100
43	19130	20.700	8.400	6.500	5.500	4.100	2.900	2.500	1.600	1.200	8.100
44	20117	9.200	6.800	0.800	0.900	0.800	0.800	1.100	0.700	0.500	0.400

TITLE = CASE A DATE 85/10/29 TIME 9147192

CH. INDEX		111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		15.900	14.900	14.200	14.400	14.900	14.400	14.300	15.200	14.700	14.700
FINAL		18.300	15.200	15.000	15.200	14.900	15.100	14.800	16.700	15.800	16.600
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	-0.100	0.0	0.100	-0.100	0.0	0.0	0.0	0.0	0.0
3	01 0	-0.100	0.0	0.100	0.100	0.0	0.0	0.0	-0.100	-0.100	-0.100
4	01 0	-0.100	0.0	0.200	0.200	0.200	0.100	0.100	0.0	0.0	0.0
5	0130	0.700	5.100	5.100	2.600	2.100	1.000	0.700	0.900	1.100	0.400
6	11 0	2.100	5.000	4.800	3.000	2.600	1.000	1.000	3.900	4.900	2.200
7	1130	4.800	6.900	5.300	3.500	2.900	2.100	1.200	6.000	7.500	4.100
8	21 0	4.500	7.800	6.300	4.100	3.100	2.100	1.300	7.900	9.300	5.500
9	2130	5.300	9.100	7.000	4.800	3.800	2.000	1.700	9.400	10.700	6.400
10	31 0	6.200	11.900	10.100	4.800	4.800	3.100	1.900	10.000	11.600	7.100
11	3130	7.300	14.900	11.000	7.800	4.800	3.300	1.800	12.300	13.100	8.100
12	41 0	6.500	15.300	12.600	7.800	5.800	3.900	2.000	13.900	15.000	9.700
13	4130	4.200	15.000	11.800	7.900	6.100	3.800	2.300	14.000	15.600	10.900
14	51 0	6.600	15.500	13.100	8.600	6.200	4.400	2.600	15.400	16.100	11.000
15	5130	10.000	16.900	15.100	10.800	7.300	4.700	2.900	15.700	16.700	11.600
16	61 0	10.500	17.800	14.200	10.300	7.500	5.100	3.100	16.300	17.100	12.700
17	6130	10.700	17.500	14.800	10.400	7.400	5.100	3.100	16.500	17.000	13.000
18	71 0	11.200	18.900	16.600	10.300	8.000	5.400	2.900	17.100	18.000	13.800
19	7130	11.500	18.600	16.600	11.000	8.200	5.200	3.000	17.600	18.500	14.500
20	81 0	11.900	19.200	16.800	10.200	7.000	5.100	3.000	18.100	18.700	14.800
21	8130	12.300	19.400	17.500	10.200	7.200	4.900	2.800	18.100	18.000	15.100
22	91 0	12.500	19.500	17.100	10.100	7.600	5.200	3.200	18.500	18.900	15.500
23	9130	12.700	19.400	16.900	10.400	7.300	5.300	3.300	18.000	19.300	15.600
24	101 0	12.600	18.900	17.100	11.100	8.000	5.400	3.400	18.400	18.700	15.700
25	10130	12.600	19.100	16.000	10.500	7.200	5.100	3.200	18.500	18.700	15.800
26	111 0	12.700	19.700	16.900	9.600	7.200	5.200	3.200	18.800	19.300	15.900
27	11130	13.000	19.500	17.300	10.400	7.800	5.300	3.200	18.900	19.300	16.200
28	121 0	13.200	19.700	17.100	10.400	7.900	5.400	3.200	19.200	19.400	16.300
29	12130	13.400	18.900	16.200	10.500	8.000	5.400	3.400	18.900	19.200	16.300
30	131 0	13.300	19.000	16.900	10.800	8.100	5.400	3.400	18.800	19.300	16.700
31	13130	13.100	18.300	16.100	10.900	8.400	4.900	3.500	18.600	19.100	16.700
32	141 0	13.300	17.900	14.800	10.200	7.700	5.600	3.500	18.700	19.100	16.400
33	14130	13.000	17.100	14.300	9.900	6.800	5.300	3.500	18.200	18.800	16.500
34	151 0	12.800	16.400	13.100	9.100	7.000	5.100	3.100	18.200	18.500	16.100
35	15130	12.500	15.800	12.900	9.200	6.700	5.100	3.200	17.600	17.800	16.100
36	161 0	12.200	15.600	13.600	9.700	6.900	5.000	3.100	17.200	17.200	15.600
37	16130	11.900	16.200	10.200	8.200	6.200	4.700	3.000	16.400	16.300	15.200
38	171 0	11.600	16.000	11.800	8.400	6.100	4.600	2.900	16.000	15.700	14.300
39	17130	11.300	12.000	9.500	7.400	5.600	4.000	2.600	15.500	15.100	15.000
40	181 0	10.500	8.000	6.700	5.600	3.900	3.400	2.100	14.100	13.700	12.900
41	18130	9.600	8.900	6.400	5.100	3.900	3.100	2.000	12.000	12.300	12.000
42	191 0	6.700	8.100	7.500	5.600	5.100	3.100	2.100	11.400	10.000	11.100
43	19130	8.000	7.300	6.500	4.900	4.100	3.100	2.100	10.100	9.700	10.100
44	20117	2.400	0.700	0.800	0.600	0.600	0.700	0.400	1.500	1.100	1.900

TITLE = CASE A DATE 85/10/29 TIME 9147192

CH. INDEX		121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 41	126 T= 42	127 T= 43	128 T= 44	129 T= 45	130 T= 46
INITIAL		14.500	14.600	14.500	14.300	15.300	15.100	14.700	14.600	14.500	14.400
FINAL		15.100	15.900	15.600	15.000	16.800	16.300	15.600	15.200	15.000	14.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	01 0	0.0	-0.100	-0.100	0.0	0.0	0.0	0.0	-0.100	0.0	0.0
4	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	0.0	0.0
5	0130	0.300	0.200	0.100	0.200	0.100	0.0	0.100	0.100	0.200	0.200
6	11 0	1.700	1.700	0.900	0.700	2.900	2.900	4.100	3.200	2.100	1.300
7	1130	3.500	3.700	2.000	1.400	4.800	4.500	5.800	3.700	2.700	2.000
8	21 0	3.700	4.900	2.400	1.900	6.300	6.400	8.700	6.800	5.500	3.200
9	2130	3.900	4.600	2.800	1.500	8.100	7.900	10.200	8.500	7.200	4.100
10	31 0	3.200	4.100	2.800	1.500	9.500	9.400	11.100	9.400	8.100	4.600
11	3130	3.000	3.400	2.400	1.500	10.800	10.300	10.000	9.100	7.700	4.000
12	41 0	3.000	4.100	2.700	1.500	12.100	11.000	11.000	8.900	6.000	3.300
13	4130	3.200	4.500	2.900	1.800	13.100	11.800	11.500	8.800	6.000	3.200
14	51 0	3.400	4.500	3.000	1.800	15.800	12.100	11.900	8.900	6.600	3.500
15	5130	3.700	4.900	3.200	1.900	14.100	12.400	11.400	9.200	7.100	3.700
16	61 0	4.400	4.300	3.600	2.000	14.900	13.100	12.400	9.800	7.800	3.900
17	6130	4.800	7.000	4.000	2.200	15.000	13.900	13.400	10.700	8.100	4.100
18	71 0	4.600	7.300	4.000	2.200	15.300	14.200	13.300	10.400	7.900	4.300
19	7130	4.900	7.700	4.200	2.200	15.900	14.900	14.300	11.700	9.100	4.400
20	81 0	4.800	8.400	4.300	2.100	15.900	15.200	14.500	12.000	9.400	4.500
21	8130	5.100	8.900	4.500	2.400	16.300	15.900	15.900	12.800	10.300	4.900
22	91 0	5.500	9.100	4.800	2.500	16.300	16.200	15.900	13.000	10.100	4.900
23	9130	5.100	8.800	4.800	2.500	16.500	16.400	15.400	12.700	9.500	4.700
24	101 0	5.100	8.900	4.900	2.600	16.800	16.500	15.700	12.700	9.900	5.000
25	10130	5.400	9.500	4.900	2.700	16.300	16.000	14.800	11.900	9.400	4.700
26	111 0	5.300	9.500	4.900	2.600	16.400	16.300	15.800	12.800	9.400	4.800
27	11130	5.200	9.200	4.900	2.500	16.900	16.800	14.200	13.300	10.100	5.200
28	121 0	5.300	9.500	5.000	2.600	16.800	16.900	15.400	13.100	10.300	4.800
29	12130	5.400	9.500	5.000	2.500	17.100	17.200	15.900	13.200	10.600	5.000
30	131 0	5.500	9.000	5.100	2.700	16.900	17.800	15.600	12.800	10.600	5.100
31	13130	4.500	9.900	5.200	2.600	17.000	16.800	15.600	12.700	10.400	5.200
32	141 0	5.300	9.200	5.000	2.900	16.900	16.800	15.100	12.600	10.300	5.200
33	14130	5.100	8.900	5.000	2.700	16.800	16.400	15.100	12.700	10.400	5.200
34	151 0	5.000	8.100	4.900	2.800	16.700	16.100	14.000	11.200	8.600	4.800
35	15130	4.800	7.600	4.000	2.900	16.500	15.800	13.800	11.400	9.000	4.700
36	161 0	4.900	6.700	4.300	2.300	15.900	15.200	13.100	10.200	8.000	4.600
37	16130	4.200	6.500	4.400	2.200	15.500	14.900	12.900	10.300	8.100	4.400
38	171 0	4.200	6.100	4.300	2.400	14.800	14.300	12.400	10.900	8.600	3.900
39	17130	4.000	5.700	4.200	2.300	14.400	13.900	12.000	10.300	8.000	3.900
40	181 0	4.000	5.500	4.000	2.300	13.400	13.300	11.900	10.200	8.300	4.300
41	18130	4.400	5.700	4.100	2.400	12.400	12.900	11.400	10.400	8.600	4.700
42	191 0	5.100	4.100	4.600	2.700	11.700	11.300	9.700	8.300	6.400	3.900
43	19130	4.500	5.600	4.400	2.600	9.800	9.900	7.400	6.900	5.500	3.000
44	20117	0.600	0.800	0.900	0.700	1.500	1.200	0.900	0.600	0.500	0.300

TITLE = CASE A DATE 85/10/29 TIME 9147192

CH. INDEX		131 T= 47	132 T= 51	133 T= 52	134 T= 53	135 T= 54	136 T= 61	137 T= 62	138 T= 63	139 T= 64	140 T= 65
INITIAL		14.500	15.200	14.800	14.500	14.600	15.700	14.900	14.800	14.700	14.400
FINAL		15.100	16.300	15.600	15.200	15.200	16.200	15.900	15.700	15.200	15.100
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	-0.100	0.0	0.100	0.0	0.0	0.0	0.0	-0.100	-0.100
3	01 0	-0.100	-0.100	-0.100	0.100	-0.100	-0.100	-0.100	-0.300	0.0	0.0
4	01 0	-0.100	0.0	0.0	0.0	-0.100	-0.100	0.0	-0.100	-0.100	-0.100
5	0130	0.100	0.0	0.0	0.100	0.0	0.0	0.100	-0.200	0.0	-0.100
6	11 0	0.800	2.400	1.900	0.700	0.100	-0.100	0.100	0.100	0.0	0.0
7	1130	1.400	4.100	4.500	2.500	0.600	4.500	3.400	1.500	0.400	0.400
8	21 0	1.700	7.400	6.400	3.500	1.300	6.400	4.700	2.700	1.300	1.100
9	2130	2.000	9.000	6.200	5.400	1.400	7.100	6.300	4.300	2.300	1.500
10	31 0	2.000	9.400	7.600	3.800	1.600	7.900	7.600	5.800	3.200	1.700
11	3130	2.000	10.900	8.700	5.600	2.100	8.800	8.200	5.000	2.400	1.500
12	41 0	1.600	11.400	9.600	6.000	2.200	9.900	8.100	5.400	2.400	1.500
13	4130	1.700	11.800	10.300	5.800	2.000	10.900	9.900	6.800	3.100	1.800
14	51 0	1.900	12.800	11.000	5.500	2.000	11.500	10.400	7.400	3.200	1.600
15	5130	2.100	13.000	11.500	6.000	2.200	11.500	10.500	8.000	3.400	1.800
16	61 0	1.900	13.100	11.500	5.900	2.200	11.400	10.800	8.200	3.800	2.000
17	6130	2.300	14.100	11.700	5.500	2.300	12.300	10.900	8.300	3.900	1.900
18	71 0	2.100	14.100	12.100	7.000	2.500	13.000	11.400	8.700	3.800	2.000
19	7130	2.000	14.600	11.800	5.000	2.400	12.500	11.400	9.100	4.200	2.100
20	81 0	2.100	15.500	13.000	6.600	2.400	13.000	11.400	8.400	3.600	1.900
21	8130	2.200	15.400	12.800	6.300	2.400	13.200	11.700	8.400	3.400	1.900
22	91 0	2.400	15.900	13.000	6.900	2.500	13.400	11.800	8.600	3.400	2.000
23	9130	2.300	15.800	13.400	6.900	2.600	13.700	12.500	9.100	3.400	2.000
24	101 0	2.500	16.000	13.000	6.300	2.700	13.900	12.300	9.200	3.400	2.300
25	10130	2.500	15.400	13.500	6.700	2.800	14.200	12.800	9.100	3.700	2.200
26	111 0	2.400	15.200	12.900	6.400	2.000	13.700	12.000	9.800	4.000	2.300
27	11130	2.300	16.300	13.400	7.200	2.800	13.800	12.400	9.300	3.700	2.200
28	121 0	2.400	16.400	14.100	7.500	2.000	14.500	12.900	9.400	3.500	2.000
29	12130	2.300	16.400	14.100	7.700	2.400	14.700	12.700	9.700	3.500	2.000
30	131 0	2.400	16.400	14.200	7.200	2.900	14.400	13.000	9.600	3.500	2.100
31	13130	2.500	15.700	13.800	6.500	2.800	14.300	13.100	9.600	3.400	2.300
32	141 0	2.400	15.700	13.800	6.600	2.700	14.300	12.800	9.100	3.500	2.300
33	14130	2.400	15.600	13.500	6.600	2.800	13.900	13.100	9.100	3.400	2.100
34	151 0	2.300	15.000	11.200	7.200	2.900	13.900	13.200	9.400	3.000	2.200
35	15130	2.400	15.100	13.000	6.200	2.800	13.600	12.800	9.600	3.900	2.300
36	161 0	2.400	14.500	11.000	6.400	2.700	13.400	12.400	9.400	3.700	2.100
37	16130	2.100	13.800	12.600	6.400	2.700	12.500	12.500	9.700	3.800	2.100
38	171 0	2.200	13.300	11.900	7.200	2.700	12.400	12.400	9.400	3.700	2.200
39	17130	2.500	12.700	11.200	7.600	2.600	11.900	11.600	8.800	3.700	2.200
40	181 0	2.300	12.100	11.000	7.100	2.600	11.300	11.200	8.100	3.700	2.100
41	18130	2.100	11.000	9.500	6.600	2.700	10.600	10.600	7.600	3.200	1.900
42	191 0	2.300	9.900	8.000	5.200	2.700	9.600	9.600	6.900	3.100	1.900
43	19130	2.100	8.700	7.800	5.500	2.900	8.600	8.500	6.600	3.700	2.700
44	20117	0.600	1.100	0.800	0.700	0.600	1.000	1.000	0.400	0.500	0.500

TITLE = CASE 6 DATE 85/10/29 TIME 9:47:52

CH. INDEX		141 T= 71	142 T= 72	143 T= 73	144 T= 74	145 T= 81	146 T= 82	147 T= 83	148 T= 84	149 T= 85	150 T= 91
INITIAL		15.200	14.600	14.600	14.600	15.100	15.100	14.800	14.800	14.900	15.100
FINAL		16.200	15.500	15.500	15.200	16.000	15.800	15.500	15.500	15.800	16.100
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.0	0.0	0.0	-0.100	-0.100	0.0	0.0	0.0	0.0
3	0: 0	-0.100	0.0	0.0	-0.100	-0.100	-0.200	-0.100	0.0	0.0	-0.100
4	0: 0	-0.100	0.0	0.0	-0.100	-0.200	-0.200	-0.100	-0.100	0.0	0.0
5	0:30	0.0	0.100	0.0	-0.100	-0.200	-0.200	-0.100	-0.100	0.0	-0.100
6	1: 0	-0.100	0.100	0.0	0.0	-0.100	-0.100	0.0	0.0	0.0	-0.100
7	1:30	2.200	1.100	0.700	0.200	-0.100	-0.100	0.100	0.0	0.0	-0.100
8	2: 0	4.400	2.900	1.400	0.700	2.300	1.700	1.000	0.400	0.100	0.800
9	2:30	5.700	4.500	2.700	1.400	4.200	3.300	1.900	0.800	0.100	2.400
10	3: 0	6.000	5.200	2.700	1.600	5.100	4.400	2.800	1.400	0.800	3.400
11	3:30	7.200	8.300	5.000	1.800	9.000	5.100	4.200	1.900	0.900	3.900
12	4: 0	8.200	7.000	5.600	2.200	8.500	5.100	4.300	1.900	1.000	4.400
13	4:30	8.400	7.100	4.600	2.000	8.700	6.000	4.900	2.100	1.100	5.100
14	5: 0	9.400	7.600	4.900	1.900	7.600	7.000	5.500	2.400	1.100	5.400
15	5:30	9.700	8.200	5.200	2.100	8.300	7.200	5.400	2.400	1.200	5.900
16	6: 0	9.900	8.200	5.000	2.100	8.700	8.000	6.100	2.400	1.200	6.500
17	6:30	10.200	8.400	4.400	2.200	8.700	8.200	6.500	2.700	1.300	6.900
18	7: 0	10.400	9.100	5.500	2.400	8.800	8.400	6.300	2.900	1.400	7.000
19	7:30	11.000	9.800	6.100	2.500	9.200	8.200	6.300	2.800	1.400	7.000
20	8: 0	10.900	9.800	6.400	2.400	9.200	8.300	6.300	2.700	1.500	7.200
21	8:30	11.700	9.800	5.800	2.300	9.500	8.400	6.400	2.800	1.500	7.400
22	9: 0	11.800	10.400	6.100	2.400	9.800	8.800	7.000	2.900	1.500	7.800
23	9:30	12.200	10.700	5.700	2.300	10.300	9.400	7.500	3.000	1.600	8.000
24	10: 0	12.100	10.900	6.800	2.500	10.500	9.400	7.600	3.200	1.600	8.400
25	10:30	12.400	10.900	6.900	2.600	10.400	9.600	7.400	3.200	1.700	8.600
26	11: 0	12.200	10.900	7.200	2.700	10.400	9.600	7.600	3.500	1.700	8.700
27	11:30	11.700	10.800	7.300	2.700	10.600	9.800	7.800	3.400	1.700	8.700
28	12: 0	12.400	10.700	6.900	2.600	10.400	9.500	7.500	3.500	1.800	8.700
29	12:30	12.500	10.900	5.800	2.300	10.500	9.500	7.500	3.200	1.800	8.700
30	13: 0	12.700	11.000	5.300	2.400	10.700	9.700	7.400	3.000	1.700	9.000
31	13:30	12.700	11.000	5.700	2.500	10.900	9.900	7.400	3.000	1.800	9.000
32	14: 0	12.800	11.100	6.000	2.600	10.900	10.300	7.500	2.900	1.900	9.200
33	14:30	12.800	10.800	5.700	2.400	11.000	10.300	7.800	3.100	1.900	9.000
34	15: 0	12.500	10.800	6.600	2.500	10.800	10.200	7.200	2.800	1.900	9.000
35	15:30	12.200	10.900	6.100	2.500	10.800	10.500	7.500	3.000	1.900	9.100
36	16: 0	11.700	10.600	7.200	2.500	10.500	9.000	7.100	3.000	2.000	9.000
37	16:30	11.500	10.100	6.100	2.500	10.400	9.700	7.200	3.100	1.900	8.900
38	17: 0	11.400	9.400	6.100	2.400	10.400	9.400	7.200	2.900	1.900	8.700
39	17:30	11.000	9.500	6.300	2.500	9.600	9.600	6.800	2.700	1.900	8.700
40	18: 0	10.500	8.900	6.600	2.400	9.400	9.100	6.700	2.800	1.800	8.600
41	18:30	10.100	8.200	6.500	2.300	9.000	8.700	6.100	2.800	1.900	8.300
42	19: 0	9.400	8.100	6.600	2.200	8.500	8.300	6.200	2.700	1.800	7.700
43	19:30	8.500	8.100	5.500	2.400	7.900	7.600	6.000	2.900	1.800	7.600
44	20:17	1.000	0.900	0.700	0.800	0.900	0.700	0.700	0.700	0.900	1.000

TITLE = CASE 6 DATE 85/10/29 TIME 9:47:52

CH. INDEX		151 T= 92	152 T= 93	153 T= 94	154 T=101	155 T=102	156 T=103	157 T=104	158 T=105	159 T=111	160 T=112
INITIAL		14.900	14.800	14.700	15.200	14.900	14.900	14.900	15.000	15.100	14.900
FINAL		15.800	15.600	15.600	16.000	16.000	15.700	15.700	15.700	16.200	15.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.0	0.0	0.100	0.100	0.0	0.0	-0.100	0.0	0.0
3	0: 0	0.0	0.0	0.0	0.100	0.100	0.0	0.0	-0.100	0.100	0.0
4	0: 0	0.0	0.0	-0.100	0.0	0.0	0.0	0.100	-0.100	0.0	0.0
5	0:30	0.0	0.0	0.0	0.0	0.100	0.0	0.0	-0.100	0.100	0.0
6	1: 0	0.0	0.0	0.0	0.0	0.0	-0.100	0.0	-0.100	0.100	0.0
7	1:30	0.0	0.0	0.0	0.0	0.100	0.0	0.0	-0.100	0.100	-0.100
8	2: 0	0.500	0.300	0.100	0.100	0.100	0.0	0.0	-0.100	0.100	0.0
9	2:30	1.600	0.800	0.500	1.200	1.600	0.400	0.700	0.100	0.300	0.200
10	3: 0	2.000	1.400	1.200	2.400	2.000	1.400	0.700	0.400	1.700	0.900
11	3:30	3.200	1.900	1.500	3.100	2.600	1.800	1.100	0.800	2.300	1.600
12	4: 0	3.600	2.700	1.400	3.700	3.500	2.900	1.400	1.700	3.100	2.300
13	4:30	4.400	3.600	1.900	4.300	4.100	3.200	1.600	1.300	3.500	2.400
14	5: 0	4.600	3.000	1.800	4.700	4.400	3.500	1.700	1.400	4.100	3.300
15	5:30	5.100	3.800	2.000	5.100	4.900	4.000	2.000	1.500	4.400	3.400
16	6: 0	5.500	4.100	2.100	5.500	5.100	4.100	2.000	1.500	4.700	3.700
17	6:30	6.000	4.700	2.400	6.000	5.000	4.500	2.100	1.400	5.200	4.100
18	7: 0	6.000	4.000	2.200	6.100	5.900	4.900	2.300	1.700	5.600	4.400
19	7:30	6.700	4.900	2.100	6.200	5.700	4.700	2.100	1.700	5.600	4.600
20	8: 0	6.300	4.200	2.200	6.500	6.300	5.000	2.400	1.700	5.900	4.700
21	8:30	6.400	4.200	2.200	6.700	6.400	5.100	2.400	1.600	5.900	4.800
22	9: 0	6.500	4.700	2.100	6.900	6.800	5.400	2.400	1.700	6.000	4.900
23	9:30	6.800	4.200	2.200	7.100	6.900	5.200	2.300	1.700	6.200	4.900
24	10: 0	7.100	4.900	2.300	7.400	7.100	5.500	2.300	1.800	6.400	5.000
25	10:30	7.400	5.100	2.500	7.700	7.500	5.700	2.300	1.800	6.700	5.200
26	11: 0	7.400	4.900	2.500	7.800	7.500	5.600	2.400	1.800	6.800	5.500
27	11:30	7.400	4.900	2.500	8.000	7.600	6.000	2.500	1.900	6.900	5.500
28	12: 0	7.400	4.800	2.400	8.000	7.800	5.900	2.500	2.000	7.000	5.700
29	12:30	7.300	4.000	2.500	7.900	7.700	5.700	2.500	2.000	6.900	5.500
30	13: 0	7.600	4.700	2.300	7.900	7.800	5.600	2.400	2.000	7.000	5.500
31	13:30	7.700	4.800	2.500	8.100	7.600	5.700	2.400	1.800	7.100	5.500
32	14: 0	7.800	4.800	2.500	8.300	7.800	6.000	2.400	1.900	7.200	5.500
33	14:30	7.700	4.900	2.500	8.200	8.100	5.800	2.400	2.000	7.400	5.800
34	15: 0	7.600	4.500	2.500	8.400	8.000	6.000	2.400	2.100	7.500	5.900
35	15:30	7.500	4.500	2.500	8.200	7.800	5.800	2.500	2.100	7.200	5.800
36	16: 0	7.500	4.100	2.500	8.100	7.400	5.900	2.400	2.100	7.200	5.900
37	16:30	7.500	4.100	2.400	8.000	7.400	5.700	2.500	2.100	7.200	5.700
38	17: 0	7.300	4.000	2.400	8.000	7.000	5.900	2.500	2.000	7.000	5.700
39	17:30	7.200	4.600	2.300	7.900	7.300	5.700	2.500	1.900	7.000	5.800
40	18: 0	7.100	4.400	2.400	7.800	7.500	5.700	2.500	1.900	7.100	5.700
41	18:30	7.200	4.500	2.400	7.800	7.300	5.800	2.600	1.900	7.000	5.600
42	19: 0	6.700	4.400	2.400	7.200	6.900	5.000	2.500	1.900	6.800	5.300
43	19:30	6.300	4.200	2.200	6.800	6.500	4.400	2.400	1.900	6.700	5.100
44	20:17	0.900	0.800	0.700	1.200	1.100	0.800	0.800	0.700	1.100	1.000

TITLE = CASE 6 DATE 85/10/29 TIME 9:47:52

CH. INDEX		161 T=113	162 T=114	163 T=121	164 T=122	165 T=123	166 T=124	167 T=125	168 T=131	169 T=132	170 T=133
INITIAL		15.000	15.300	15.100	15.000	14.900	15.000	15.000	15.300	15.000	15.000
FINAL		15.800	15.700	16.300	15.900	15.900	15.900	15.900	16.700	16.000	15.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.0	0.100	0.0	0.0	0.0	0.0	-0.100	0.0	0.0
3	0: 0	0.0	0.0	0.100	0.0	0.0	0.0	0.0	-0.100	0.0	0.0
4	0: 0	-0.100	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0:30	-0.100	0.0	0.100	0.0	0.0	0.100	0.100	0.0	0.0	0.0
6	1: 0	-0.100	0.0	0.100	0.0	0.0	0.0	0.100	0.0	0.0	0.0
7	1:30	-0.100	0.0	0.100	-0.100	0.0	0.0	0.0	0.0	0.0	0.0
8	2: 0	-0.100	-0.100	0.0	0.0	0.0	0.100	0.0	0.0	-0.100	0.0
9	2:30	0.100	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.0	-0.100
10	3: 0	0.500	0.300	0.400	0.400	0.300	0.200	0.100	0.0	0.0	0.0
11	3:30	1.000	0.700	1.400	1.000	0.700	0.800	0.500	0.800	0.500	0.200
12	4: 0	1.500	1.200	2.400	1.000	1.400	1.000	0.600	1.500	0.900	0.500
13	4:30	1.600	1.400	2.900	2.100	1.700	1.400	1.100	2.000	1.500	0.900
14	5: 0	2.000	1.800	3.500	2.600	2.100	1.400	1.500	2.300	1.900	1.200
15	5:30	2.200	1.800	3.800	2.800	2.400	1.700	1.900	2.700	2.200	1.500
16	6: 0	2.400	1.600	3.000	3.100	2.700	1.900	1.500	2.900	2.600	1.800
17	6:30	2.700	1.700	4.100	3.500	3.000	2.000	1.500	3.200	2.800	2.000
18	7: 0	3.200	1.900	4.400	3.600	3.100	2.100	1.600	3.500	3.100	2.200
19	7:30	3.200	2.000	4.700	3.900	3.500	2.400	1.600	3.800	3.400	2.300
20	8: 0	3.500	2.000	4.900	3.900	3.500	2.290	1.600	3.800	3.600	2.400
21	8:30	2.900	2.000	5.400	4.100	3.700	2.500	1.800	4.000	3.000	2.800
22	9: 0	2.700	1.900	5.200	4.400	3.900	2.400	1.900	4.200	3.400	2.700
23	9:30	2.800	1.900	5.200	4.400	3.900	2.200	1.800	4.300	3.800	2.600
24	10: 0	3.700	1.900	5.200	4.300	3.800	2.100	1.800	4.400	3.800	2.600
25	10:30	3.700	1.900	5.500	4.400	3.900	2.300	1.800	4.500	3.800	2.800
26	11: 0	3.900	2.000	5.800	4.700	4.600	2.300	1.800	4.800	4.000	2.800
27	11:30	3.900	2.100	5.900	4.800	4.200	2.300	1.800	4.900	4.200	2.800
28	12: 0	3.800	2.100	6.000	5.000	4.400	2.500	1.900	5.100	4.300	2.800
29	12:30	3.800	2.200	6.100	5.000	4.100	2.400	2.000	5.100	4.400	2.700
30	13: 0	3.200	2.100	5.900	4.800	3.900	2.400	1.900	5.100	4.400	2.800
31	13:30	3.000	2.100	6.200	4.900	4.000	2.400	2.100	5.000	4.300	2.800
32	14: 0	3.000	2.200	6.200	5.000	4.300	2.400	2.100	5.100	4.300	2.700
33	14:30	3.000	2.300	6.300	5.100	4.100	2.400	2.000	5.300	4.500	2.700
34	15: 0	3.200	2.200	6.500	5.200	4.400	2.700	2.000	5.400	4.500	2.900
35	15:30	3.100	2.300	6.300	5.000	4.400	2.400	2.000	5.500	4.700	2.800
36	16: 0	3.300	2.200	6.200	5.000	4.300	2.400	2.100	5.300	4.600	2.900
37	16:30	3.100	2.200	6.300	5.000	4.300	2.500	2.100	5.300	4.600	2.800
38	17: 0	3.300	2.200	6.100	5.000	4.100	2.500	2.100	5.200	4.400	2.600
39	17:30	3.300	2.100	6.100	5.000	4.200	2.400	2.100	5.100	4.400	2.800
40	18: 0	3.200	2.100	6.000	4.900	4.000	2.300	2.000	5.100	4.500	2.800
41	18:30	2.900	2.100	6.200	4.900	4.100	2.300	2.000	5.100	4.400	2.800
42	19: 0	2.900	2.000	5.900	4.700	3.800	2.300	1.900	5.000	4.300	2.700
43	19:30	2.800	2.100	5.700	4.500	3.700	2.200	1.900	4.900	4.200	2.800
44	20:17	0.800	0.700	1.200	0.900	1.000	0.900	0.900	1.400	1.000	0.900

TITLE = CASE 6 DATE 85/10/29 TIME 9:47:52

CH. INDEX		171 T=134	172 T=141	173 T=151	201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31
INITIAL		15.100	16.200	18.000	0.152	0.157	0.155	0.162	0.162	0.160	0.155
FINAL		15.800	17.600	18.000	0.149	0.156	0.156	0.161	0.162	0.160	0.152
LOOP	TIME	(C)	(C)	(C)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	0.0	0.0	0.0	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	0.200	-0.100	0.0	100.026	100.013	100.026	100.018	100.019	100.017	100.026
3	0: 0	-0.200	-0.100	0.0	100.046	99.969	100.105	100.017	100.105	100.025	100.039
4	0: 0	0.200	0.0	0.0	100.000	100.000	100.011	100.031	100.037	100.037	100.013
5	0:30	-0.200	0.0	0.0	99.829	99.726	99.987	100.012	100.111	100.025	99.712
6	1: 0	0.200	0.0	0.0	99.862	99.882	100.000	100.017	100.062	100.025	99.450
7	1:30	0.100	0.0	0.0	99.914	99.745	100.103	100.031	100.154	100.051	99.882
8	2: 0	0.200	0.100	0.0	100.000	99.962	100.155	100.062	100.105	100.010	99.856
9	2:30	-0.300	0.400	0.0	100.013	99.821	100.077	100.062	100.160	100.066	99.836
10	3: 0	-0.200	0.800	0.0	99.863	99.092	100.155	100.105	100.167	100.106	100.092
11	3:30	0.300	1.100	0.0	98.105	91.238	96.310	97.743	97.768	97.950	97.707
12	4: 0	0.100	1.500	0.0	89.026	96.569	96.111	96.212	95.397	97.166	89.166
13	4:30	0.500	1.800	0.0	92.867	93.216	96.775	95.157	96.119	96.896	92.255
14	5: 0	0.800	2.000	0.0	93.534	96.212	97.306	95.659	96.666	96.860	96.556
15	5:30	1.133	2.300	0.0	91.992	93.880	97.857	96.533	96.651	97.170	96.907
16	6: 0	1.700	2.500	0.0	95.367	93.450	97.085	95.801	95.801	97.105	96.789
17	6:30	1.700	2.400	0.0	97.320	93.593	97.569	96.592	96.804	96.640	95.180
18	7: 0	1.800	2.700	0.0	96.064	93.950	97.511	96.040	97.088	98.136	96.478
19	7:30	2.035	2.900	0.0	93.781	96.850	98.536	98.227	96.852	98.306	97.113
20	8: 0	1.800	3.063	0.0	91.304	90.762	95.944	93.519	96.935	97.450	96.134
21	8:30	1.600	3.100	0.0	91.952	92.393	96.608	96.101	93.606	96.220	93.601
22	9: 0	1.700	3.300	0.0	92.570	96.231	97.691	95.955	95.850	97.812	96.612
23	9:30	1.600	3.900	0.0	96.327	96.216	97.502	96.601	97.575	97.625	95.816
24	10: 0	1.900	3.900	0.0	95.484	96.799	98.201	96.886	96.705	98.336	96.910
25	10:30	1.700	3.500	0.0	96.972	95.598	98.396	97.676	97.892	98.356	97.616
26	11: 0	2.100	3.600	0.0	95.762	95.888	98.310	97.777	97.902	98.835	96.923
27	11:30	1.900	3.600	0.0	96.416	96.311	98.984	98.618	98.778	98.877	98.823
28	12: 0	2.100	3.700	0.0	96.916	99.221	99.903	99.821	99.858	99.850	99.889
29	12:30	1.803	3.900	0.0	99.165	99.175	100.176	100.025	100.012	99.969	100.589
30	13: 0	1.600	3.900	-0.100	99.165	99.396	100.155	100.063	100.060	100.075	100.474
31	13:30	2.930	3.800	0.0	99.085	99.362	100.129	100.062	100.099	100.180	100.487
32	14: 0	2.000	3.900	0.0	98.973	99.284	100.110	99.994	100.006	99.981	100.620
33	14:30	2.300	3.900	0.0	99.960	99.221	100.032	99.975	99.963	100.006	100.409
34	15: 0	1.800	4.000	0.0	98.808	99.126	100.103	99.951	100.069	100.006	100.428
35	15:30	2.100	3.900	0.0	98.801	99.145	100.065	99.918	99.975	100.000	100.428
36	16: 0	2.200	4.000	0.0	98.763	99.075	99.968	99.920	99.975	100.006	100.550
37	16:30	2.100	4.200	0.0	98.650	98.585	99.867	99.901	99.961	99.867	100.550
38	17: 0	1.900	3.900	0.0	98.533	98.847	99.936	99.821	100.000	99.930	100.517
39	17:30	2.000	3.900	0.0	98.533	98.865	99.916	99.871	99.920	99.963	100.445
40	18: 0	2.300	3.700	0.0	98.600	98.613	99.832	99.701	99.870	99.900	100.393
41	18:30	2.200	3.700	0.0	98.667	98.600	99.768	99.707	99.805	99.850	100.367
42	19: 0	1.700	3.600	0.0	98.575	98.654	99.832	99.741	99.840	99.950	100.340
43	19:30	1.800	3.500	0.0	98.322	98.882	99.764	99.723	99.851	99.925	100.275
44	20:17	0.700	1.200	0.0	97.745	98.111	99.219	99.190	99.755	99.782	99.478

TITLE : CASE 6 DATE 85/10/29 TIME 9:47:52

CH. INDEX		208 S= 32	209 S= 33	210 S= 34	211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 45	217 S= 51
INITIAL		0.144	0.156	0.159	0.162	0.155	0.157	0.156	0.148	0.163	0.156
FINAL		0.144	0.152	0.157	0.162	0.154	0.158	0.155	0.147	0.165	0.159
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	100.027	100.032	100.004	100.000	100.013	100.025	100.013	100.014	100.000	100.026
3	0: 0	99.973	100.086	99.999	100.050	100.026	100.050	100.013	100.061	100.010	100.077
4	0: 0	99.980	100.019	100.011	100.075	100.086	100.107	100.032	100.027	100.076	100.026
5	0:30	99.787	100.052	100.000	100.088	100.116	100.170	100.038	100.068	99.963	100.077
6	1: 0	99.367	99.916	100.019	100.049	100.167	100.149	100.045	100.061	100.010	100.032
7	1:30	99.533	100.632	100.006	100.093	100.206	100.277	100.051	100.108	99.096	100.077
8	2: 0	99.670	100.471	100.044	100.074	100.257	100.366	100.064	100.081	99.634	100.032
9	2:30	99.821	100.143	100.050	100.111	100.322	100.409	100.077	100.108	99.883	100.032
10	3: 0	99.900	100.123	100.063	100.110	100.393	100.470	100.077	100.102	100.184	100.030
11	3:30	97.716	99.540	99.918	99.753	100.349	100.559	100.096	100.081	99.880	99.955
12	4: 0	95.765	98.118	98.582	98.945	95.037	97.320	98.149	98.456	98.765	98.494
13	4:30	88.308	95.131	95.871	98.039	94.007	94.249	96.029	97.376	98.047	96.365
14	5: 0	91.281	96.572	97.067	98.324	95.874	95.129	96.330	97.275	98.635	96.463
15	5:30	92.862	96.895	96.456	98.571	94.151	96.059	97.291	97.564	98.461	95.972
16	6: 0	92.506	96.076	95.695	98.534	94.215	95.463	96.484	97.970	98.926	95.972
17	6:30	92.401	96.267	95.675	98.114	96.048	95.952	97.260	97.645	98.786	95.735
18	7: 0	92.691	96.093	95.601	98.617	96.376	96.120	96.453	97.611	98.845	95.453
19	7:30	96.261	96.851	95.952	98.196	96.266	95.921	97.099	97.287	98.690	95.658
20	8: 0	91.659	97.181	96.166	98.102	97.721	97.719	97.778	98.220	99.184	96.247
21	8:30	88.694	96.765	95.262	97.273	95.966	95.968	96.688	97.706	98.349	95.882
22	9: 0	91.645	96.156	95.210	97.966	96.920	96.400	95.997	96.271	98.825	96.022
23	9:30	92.030	96.966	96.670	98.456	96.022	95.047	96.663	97.683	98.889	96.725
24	10: 0	95.819	97.224	96.004	98.969	96.646	96.336	97.265	97.635	99.005	95.171
25	10:30	95.767	97.615	96.792	99.118	97.033	97.033	97.508	97.510	98.846	95.953
26	11: 0	95.349	97.902	97.237	98.992	97.697	97.208	97.964	98.159	99.503	96.106
27	11:30	96.455	97.952	97.765	99.104	97.509	97.574	97.957	98.342	99.656	96.196
28	12: 0	98.279	98.866	98.351	99.171	97.905	98.077	98.669	98.994	100.172	96.701
29	12:30	100.570	99.572	97.580	100.651	99.066	99.869	99.596	99.601	100.074	97.519
30	13: 0	100.700	99.670	99.717	100.093	99.761	99.876	99.776	99.858	100.360	98.197
31	13:30	100.826	99.650	99.717	100.124	99.716	99.956	99.910	99.953	100.577	98.229
32	14: 0	100.789	99.626	99.692	100.091	99.678	99.918	99.936	99.966	100.387	98.133
33	14:30	100.810	99.572	99.622	100.025	99.596	99.861	99.910	99.926	100.295	97.999
34	15: 0	100.765	99.645	99.578	100.040	99.510	99.857	99.885	99.900	100.239	97.955
35	15:30	100.606	99.553	99.585	100.049	99.491	99.767	99.851	99.946	100.170	97.796
36	16: 0	100.720	99.449	99.560	100.082	99.670	99.742	99.685	99.912	100.117	97.685
37	16:30	100.770	99.449	99.522	100.080	99.459	99.742	99.872	99.912	100.307	97.669
38	17: 0	100.765	99.449	99.652	100.040	99.616	99.755	99.855	99.951	100.125	97.551
39	17:30	100.720	99.397	99.631	100.056	99.376	99.721	99.827	99.898	100.178	97.449
40	18: 0	100.721	99.520	99.449	100.037	99.416	99.717	99.801	99.851	99.969	97.302
41	18:30	100.887	99.261	99.627	100.056	99.427	99.786	99.789	99.844	100.460	97.270
42	19: 0	100.607	99.249	99.377	100.142	99.408	99.849	99.765	99.878	100.376	97.251
43	19:30	100.619	99.268	99.366	100.144	99.395	99.817	99.744	99.051	100.289	97.100
44	20:17	100.655	98.795	99.125	100.155	99.002	99.472	99.528	99.662	99.975	97.013

TITLE : CASE 6 DATE 85/10/29 TIME 9:47:52

CH. INDEX		218 S= 52	219 S= 53	220 S= 54	221 S= 61	222 S= 62	223 S= 63	224 S= 64	225 S= 71	226 S= 72	227 S= 81
INITIAL		0.160	0.166	0.155	0.153	0.160	0.152	0.157	0.157	0.155	0.158
FINAL		0.154	0.162	0.151	0.149	0.156	0.148	0.154	0.152	0.153	0.156
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	100.056	100.016	100.090	100.020	100.019	100.137	100.013	100.026	100.006	100.025
3	0: 0	99.974	100.066	100.052	100.033	100.025	100.087	100.000	100.038	100.006	100.019
4	0: 0	100.011	100.030	100.058	100.026	100.019	100.079	100.019	100.057	100.013	100.025
5	0:30	99.969	100.030	100.013	100.019	100.013	100.046	100.000	100.038	100.013	100.019
6	1: 0	99.906	100.056	100.013	100.019	100.638	100.026	100.013	100.045	100.019	100.025
7	1:30	99.719	100.066	99.826	100.040	100.000	99.882	99.974	100.019	100.039	100.019
8	2: 0	99.689	100.072	99.774	100.026	100.000	99.686	99.976	99.994	100.026	100.019
9	2:30	99.744	100.042	99.897	100.039	100.025	99.974	100.000	100.019	100.076	100.019
10	3: 0	99.956	100.030	100.097	100.039	100.025	100.079	100.026	100.013	100.039	100.025
11	3:30	99.706	100.010	99.890	99.900	99.907	99.875	100.000	99.036	100.097	100.006
12	4: 0	99.256	99.966	99.690	99.020	99.925	99.730	99.974	98.808	100.032	99.981
13	4:30	91.371	97.828	98.476	95.600	98.618	99.186	99.540	98.765	96.005	99.048
14	5: 0	92.385	96.730	97.681	91.225	93.104	93.911	99.220	94.861	97.169	99.068
15	5:30	96.455	97.667	97.972	92.826	91.916	93.786	98.979	91.867	95.131	96.996
16	6: 0	96.356	97.594	98.083	94.567	95.335	96.815	99.426	91.905	96.698	93.201
17	6:30	96.910	97.700	98.941	94.155	95.310	96.340	99.369	94.498	97.678	94.723
18	7: 0	96.994	97.201	98.192	94.210	95.685	95.787	99.208	94.020	97.174	94.767
19	7:30	96.761	97.713	98.775	93.029	95.210	95.129	99.367	94.115	96.679	95.103
20	8: 0	96.673	97.267	98.566	94.321	94.916	96.056	99.298	93.588	97.027	94.704
21	8:30	98.862	98.178	98.411	95.497	95.760	95.879	99.169	93.759	97.756	95.097
22	9: 0	92.306	96.706	97.578	94.079	96.023	96.316	99.060	96.958	97.216	94.926
23	9:30	92.062	96.027	98.243	91.881	92.566	93.611	99.031	91.527	96.014	93.547
24	10: 0	96.121	97.291	98.626	93.255	94.778	94.855	99.235	91.881	95.866	93.088
25	10:30	96.571	97.267	98.085	94.157	94.905	95.416	99.367	92.932	96.076	93.801
26	11: 0	96.955	97.596	98.786	95.111	95.760	95.768	99.247	94.211	96.550	94.628
27	11:30	95.286	97.446	98.960	95.275	96.366	96.827	99.311	96.866	96.670	95.522
28	12: 0	95.934	97.532	99.449	95.301	96.636	96.957	99.467	95.082	97.820	95.705
29	12:30	98.526	97.611	99.093	95.890	96.740	96.900	99.501	95.155	97.659	95.914
30	13: 0	97.856	98.367	99.567	97.563	97.565	97.900	99.663	95.675	98.317	96.175
31	13:30	98.093	99.612	99.677	98.281	98.599	99.111	99.700	97.686	99.271	98.022
32	14: 0	97.990	99.550	99.574	98.260	98.501	98.999	99.713	98.026	99.376	98.317
33	14:30	97.744	98.486	99.516	98.190	98.526	98.916	99.700	97.979	99.376	98.592
34	15: 0	97.667	98.617	99.361	96.065	98.360	98.690	99.630	97.806	99.301	98.561
35	15:30	97.247	98.367	99.257	97.968	98.245	98.501	99.630	97.756	99.233	98.452
36	16: 0	97.218	98.226	99.298	97.902	98.226	98.565	99.610	97.667	99.220	98.365
37	16:30	97.250	98.140	99.361	97.806	98.176	98.391	99.636	97.596	99.196	98.287
38	17: 0	96.990	98.126	99.186	97.719	98.055	98.275	99.575	97.501	99.168	98.199
39	17:30	98.987	98.087	99.104	97.636	98.065	98.260	99.566	97.437	99.129	98.147
40	18: 0	96.606	97.991	98.999	97.510	97.893	98.065	99.528	97.327	99.078	98.065
41	18:30	97.876	97.910	99.419	97.666	97.886	98.440	99.575	97.250	99.015	98.021
42	19: 0	96.600	97.870	99.290	97.199	97.865	98.361	99.567	97.195	98.976	97.930
43	19:30	98.711	97.822	99.212	97.336	97.799	98.262	99.536	97.125	98.955	97.862
44	20:17	99.369	97.719	98.928	97.400	97.510	97.709	99.407	96.900	98.717	97.607

TITLE : CASE 6 DATE 85/10/29 TIME 9:47:52

CH. INDEX		228 S= 82	229 S= 83	230 S= 91	231 S= 92	232 S=101	233 S=102	234 S=103	235 S=111	236 S=112	237 S=121
INITIAL		0.157	0.156	0.155	0.158	0.151	0.157	0.158	0.156	0.154	0.160
FINAL		0.154	0.154	0.155	0.157	0.150	0.154	0.157	0.154	0.153	0.157
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	100.013	100.013	100.013	99.987	99.908	100.032	100.013	100.000	100.006	99.994
3	0: 0	100.006	100.006	100.013	99.987	99.967	100.013	99.994	99.994	99.994	100.000
4	0: 0	100.013	100.006	100.019	99.901	99.967	100.026	100.006	100.038	99.994	100.000
5	0:30	99.994	100.000	100.013	99.987	99.956	100.019	99.994	100.000	99.994	100.006
6	1: 0	100.011	100.006	100.025	99.962	99.974	100.026	99.994	100.019	99.994	100.013
7	1:30	99.901	100.000	99.987	99.943	99.934	100.019	99.975	99.994	99.981	100.006
8	2: 0	99.967	99.994	99.994	99.918	99.967	100.006	99.981	100.006	99.960	100.006
9	2:30	100.006	100.006	100.013	99.956	99.974	100.019	99.987	100.026	99.987	100.011
10	3: 0	100.014	100.019	100.019	99.962	100.000	100.032	100.000	100.045	100.000	100.025
11	3:30	99.994	100.006	99.981	99.912	100.000	100.019	99.987	100.038	99.987	100.019
12	4: 0	99.974	100.000	99.962	99.917	99.980	100.006	99.981	100.019	99.987	100.019
13	4:30	99.980	100.006	99.962	99.961	100.000	100.013	99.907	100.076	100.006	100.013
14	5: 0	99.713	99.817	99.950	99.450	100.013	100.006	99.994	100.052	100.000	100.006
15	5:30	95.958	98.962	98.911	99.703	99.967	99.814	99.627	100.017	99.981	99.994
16	6: 0	96.307	98.212	96.379	99.494	96.719	96.455	98.674	99.409	98.916	99.950
17	6:30	96.011	98.417	96.097	99.520	93.027	96.676	98.217	99.161	96.117	98.469
18	7: 0	96.696	97.052	97.519	99.614	95.197	96.266	98.679	91.799	95.838	99.576
19	7:30	96.836	98.962	97.569	99.631	96.808	96.426	98.689	96.097	97.325	95.827
20	8: 0	96.632	98.963	97.789	99.652	95.210	96.569	98.906	95.050	96.799	96.956
21	8:30	96.563	99.163	97.269	99.640	95.934	95.025	98.906	95.510	98.182	96.146
22	9: 0	96.575	99.276	97.661	99.619	95.349	95.814	98.881	95.563	97.721	95.853
23	9:30	96.830	98.860	97.668	99.602	96.576	95.401	99.096	95.103	97.669	96.171
24	10: 0	96.814	98.192	97.325	99.666	96.527	96.693	98.692	95.570	96.643	96.146
25	10:30	95.357	95.706	95.897	99.637	93.792	96.967	98.793	95.865	96.650	95.858
26	11: 0	96.033	96.968	96.039	99.668	93.861	96.226	98.458	95.966	96.065	95.297
27	11:30	95.659	96.911	96.961	99.501	95.515	95.765	98.748	96.068	96.996	96.703
28	12: 0	96.709	99.090	97.160	99.576	95.859	96.106	98.601	95.889	97.788	99.077
29	12:30	97.106	99.186	97.552	99.520	95.971	96.211	98.780	95.531	97.676	95.112
30	13: 0	97.393	99.276	97.308	99.611	96.677	96.960	98.978	96.720	98.299	96.096
31	13:30	97.857	99.532	97.621	99.682	97.255	97.183	98.657	96.356	98.309	96.779
32	14: 0	98.077	99.600	98.646	99.551	97.676	97.542	99.115	97.669	99.578	96.522
33	14:30	98.908	99.725	98.726	99.565	98.641	98.263	99.450	98.363	99.052	96.472
34	15: 0	98.920	99.711	98.678	99.513	99.319	99.176	99.598	99.067	99.351	98.772
35	15:30	98.852	99.675	98.809	99.661	99.418	99.144	99.598	99.126	99.420	98.915
36	16: 0	98.769	99.666	98.521	99.669	99.418	99.080	99.564	99.265	99.422	99.185
37	16:30	98.726	99.656	98.452	99.431	99.338	99.084	99.532	99.169	99.358	99.148
38	17: 0	98.868	99.667	98.376	99.600	99.299	98.952	99.532	99.110	99.358	99.079
39	17:30	98.610	99.656	98.320	99.369	99.305	98.927	99.576	99.060	99.385	99.056
40	18: 0	98.952	99.661	98.269	99.317	99.309	98.876	99.520	99.041	99.318	99.022
41	18:30	98.520	99.615	98.211	99.311	99.297	98.895	99.549	99.067	99.366	98.997
42	19: 0	98.666	99.616	98.163	99.292	99.211	98.866	99.513	99.028	99.305	98.966
43	19:30	98.394	97.699	98.076	99.256	99.213	98.776	99.489	98.965	99.267	98.922
44	20:17	98.093	99.508	97.606	98.919	98.915	98.525	99.329	98.625	99.071	98.853

TITLE : CASE 6 DATE 85/10/29 TIME 9:47:52

CH. INDEX		238 S=122	239 S=123	240 S=131
INITIAL		0.155	0.157	0.150
FINAL		0.154	0.156	0.157
LOOP	TIME	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000
2	0: 0	100.000	100.019	99.895
3	0: 0	100.000	100.000	99.876
4	0: 0	100.000	100.000	99.987
5	0:30	99.994	99.994	100.126
6	1: 0	100.000	99.987	100.133
7	1:30	99.987	99.975	99.867
8	2: 0	99.987	99.968	99.827
9	2:30	99.994	99.968	99.960
10	3: 0	100.006	99.975	100.213
11	3:30	99.994	99.955	100.366
12	4: 0	99.994	99.955	100.300
13	4:30	100.006	99.975	100.240
14	5: 0	100.006	99.962	100.193
15	5:30	100.000	99.962	98.958
16	6: 0	99.968	99.926	98.369
17	6:30	99.205	99.593	97.023
18	7: 0	97.391	99.507	97.610
19	7:30	97.136	99.513	97.277
20	8: 0	96.915	99.377	96.966
21	8:30	97.282	99.455	96.625
22	9: 0	96.590	99.667	96.625
23	9:30	97.752	99.466	96.472
24	10: 0	97.336	99.472	95.909
25	10:30	97.696	99.491	95.892
26	11: 0	96.715	99.366	96.059
27	11:30	96.760	99.250	96.325
28	12: 0	96.773	99.326	96.966
29	12:30	97.018	99.370	97.217
30	13: 0	97.669	99.332	97.976
31	13:30	98.040	99.370	98.515
32	14: 0	97.075	99.667	99.636
33	14:30	97.516	99.672	100.215
34	15: 0	98.661	99.555	100.869
35	15:30	98.905	99.631	101.551
36	16: 0	99.356	99.682	102.157
37	16:30	99.317	99.665	102.663
38	17: 0	99.276	99.662	103.462
39	17:30	99.266	99.850	103.828
40	18: 0	99.266	99.855	104.116
41	18:30	99.271	99.682	104.440
42	19: 0	99.201	99.676	104.660
43	19:30	99.182	99.650	104.835
44	20:17	98.961	99.491	104.567

実験No.15 TITLE = CASE 5 (A) DATE 85/10/29 TIME 11: 0149

CH. INDEX		101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		15.000	15.800	14.800	14.600	14.500	14.700	14.700	14.700	14.800	15.200
FINAL		20.000	17.200	14.500	15.600	15.200	15.300	15.300	15.100	15.000	16.600
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	-0.100	-0.100	0.0	-0.100	0.100	0.0	0.100	0.0	0.100
3	01 0	0.0	0.0	-0.100	0.100	-0.100	0.0	0.200	0.0	0.0	-0.200
4	01 0	20.200	13.000	11.000	8.000	5.000	3.000	1.100	0.700	0.300	1.300
5	0130	52.300	31.100	25.500	21.500	13.200	8.400	4.200	2.400	1.300	20.900
6	11 0	56.700	35.000	29.400	25.000	16.500	11.500	6.000	2.800	1.400	27.800
7	1130	65.000	35.900	30.000	25.600	16.400	11.800	6.100	3.100	1.400	29.800
8	21 0	71.300	38.400	33.300	26.000	17.100	9.000	9.500	3.100	1.700	32.200
9	2130	76.800	41.000	35.300	29.600	16.000	8.800	9.200	3.100	1.600	34.800
10	31 0	78.400	42.900	36.200	29.900	19.200	9.300	5.700	3.400	1.900	36.800
11	3130	84.100	44.500	36.600	30.500	17.000	9.300	5.800	3.200	1.900	37.300
12	41 0	89.300	46.800	41.900	35.400	18.700	8.800	5.500	3.400	2.300	40.500
13	4130	89.800	48.800	41.200	33.200	18.800	10.200	6.000	4.100	2.500	41.100
14	51 0	93.100	48.800	41.400	34.700	21.600	13.900	7.000	4.000	2.600	42.100
15	5130	95.600	50.500	42.600	34.200	20.100	11.000	7.000	4.900	2.600	42.600
16	61 0	98.800	56.000	44.000	36.900	21.900	12.100	7.800	4.700	2.700	43.800
17	6130	97.600	52.000	45.300	38.400	24.200	12.200	7.500	5.000	3.100	44.700
18	71 0	100.800	52.100	45.600	37.700	21.900	12.000	9.000	4.700	3.000	45.900
19	7130	101.500	56.100	46.500	38.500	21.200	11.100	7.700	5.600	3.500	47.000
20	81 0	100.900	53.300	45.400	37.500	23.400	11.300	7.200	5.000	3.300	46.400
21	8130	102.700	52.000	45.800	39.300	23.000	11.800	7.800	5.500	3.100	46.000
22	91 0	105.000	51.800	46.100	39.100	25.000	13.900	8.800	5.500	3.300	46.100
23	9130	104.000	54.600	46.700	34.800	24.400	13.100	8.500	4.800	3.300	47.300
24	101 0	101.500	52.000	46.400	38.800	22.600	13.300	9.300	5.500	3.100	46.600
25	10130	99.000	53.800	46.600	34.900	24.800	13.900	7.700	4.600	3.400	47.100
26	111 0	95.300	51.700	45.000	34.000	23.800	13.400	8.700	5.900	4.100	47.900
27	11130	96.700	50.800	44.500	37.000	22.800	12.500	7.800	5.800	3.500	45.500
28	121 0	93.000	49.100	43.700	36.300	24.700	14.100	8.800	5.600	3.300	44.100
29	12130	90.000	47.300	40.800	35.100	23.600	14.900	9.300	6.200	3.700	41.600
30	131 0	83.200	43.500	38.200	33.900	24.400	15.400	9.800	6.500	3.300	40.300
31	13130	74.400	37.200	34.600	31.000	23.400	16.300	9.300	5.700	3.400	35.000
32	141 0	67.800	35.200	32.900	29.700	22.900	15.900	9.400	5.800	3.600	31.900
33	14130	61.800	32.500	24.700	26.700	22.200	16.100	11.100	6.100	3.900	29.400
34	151 0	53.000	28.700	26.000	24.500	21.500	17.500	11.800	5.400	2.400	27.800
35	15130	48.100	24.800	22.800	20.900	18.030	15.700	11.500	6.000	3.100	25.100
36	161 0	45.200	21.100	20.200	19.000	17.800	15.100	10.000	6.000	2.600	20.400
37	16130	38.700	19.200	18.500	17.700	16.300	14.100	10.900	6.400	2.800	18.800
38	171 0	34.900	17.500	16.500	15.200	13.600	11.000	8.200	4.900	2.100	16.900
39	17130	30.700	15.100	13.400	13.100	11.000	8.900	5.600	2.900	1.400	14.100
40	181 0	27.400	13.500	12.300	10.500	9.400	7.800	4.500	2.700	1.500	12.400
41	18130	24.700	12.100	10.900	10.100	9.000	7.000	5.700	2.500	1.700	11.300
42	191 0	22.400	10.800	9.400	8.400	7.400	4.900	3.200	2.000	1.200	10.000
43	19130	21.100	9.200	8.900	7.200	6.000	4.500	2.000	2.100	1.400	8.900
44	37151	5.200	2.200	1.700	1.400	0.700	0.600	0.300	0.400	0.200	1.400

TITLE = CASE 5 DATE 85/10/29 TIME 11: 0149

CH. INDEX		111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		16.700	15.000	14.900	15.100	14.600	15.000	14.900	16.000	15.300	15.600
FINAL		19.900	16.200	15.700	16.000	15.900	15.400	15.400	17.600	16.700	17.200
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.100	0.0	0.0	0.0	0.0	0.0	-0.100	0.100	-0.100
3	01 0	0.0	0.0	-0.100	-0.100	-0.100	0.0	0.0	-0.200	0.0	-0.100
4	01 0	0.0	1.000	0.800	0.0	0.100	0.0	0.0	-0.200	0.0	-0.100
5	0130	1.900	11.700	8.400	1.900	1.800	0.700	0.500	5.100	5.400	1.900
6	11 0	8.800	19.200	12.700	4.300	3.700	1.800	1.100	13.000	14.200	6.400
7	1130	10.300	21.500	14.500	5.700	4.800	2.400	1.500	17.500	18.700	9.000
8	21 0	12.600	22.900	13.700	6.600	4.600	2.600	1.000	20.600	21.700	12.400
9	2130	14.800	26.500	16.500	7.200	4.600	2.700	1.800	23.400	24.200	14.800
10	31 0	18.900	26.100	19.450	8.300	5.700	3.400	2.100	26.000	27.700	17.400
11	3130	17.900	29.400	22.400	8.800	5.100	3.500	2.200	27.600	28.700	19.400
12	41 0	18.800	31.800	26.000	9.800	5.100	3.700	2.400	29.300	30.500	21.300
13	4130	19.900	31.900	26.800	8.600	5.800	4.000	2.700	31.000	32.100	23.000
14	51 0	21.100	35.200	29.200	9.800	6.000	4.800	2.700	32.400	33.400	24.300
15	5130	21.900	36.900	29.600	11.200	6.500	4.100	2.900	33.600	34.500	25.800
16	61 0	22.800	36.300	30.400	11.700	6.600	4.400	3.200	34.400	35.400	27.100
17	6130	23.200	36.800	29.900	11.100	6.300	4.300	3.100	35.300	36.100	28.200
18	71 0	24.800	37.700	30.700	10.900	6.400	4.800	3.100	36.600	37.200	29.400
19	7130	24.500	38.100	31.200	11.800	6.500	4.600	3.300	37.100	38.200	30.400
20	81 0	25.100	38.300	31.200	11.400	6.400	4.400	3.400	37.900	39.200	31.700
21	8130	25.600	39.200	32.300	12.000	6.800	4.700	3.500	37.000	39.300	32.300
22	91 0	26.200	38.800	31.900	12.400	6.700	4.700	3.800	38.500	39.500	32.700
23	9130	26.500	40.000	33.400	11.900	7.700	5.300	3.500	38.800	39.900	33.200
24	101 0	26.000	40.400	34.200	12.000	7.500	5.200	3.700	39.000	40.100	33.900
25	10130	27.000	40.200	35.000	12.200	8.000	5.500	4.000	39.000	40.000	34.100
26	111 0	27.300	39.300	31.700	13.000	7.300	5.100	3.800	39.100	40.000	34.400
27	11130	27.300	38.800	31.700	13.800	7.600	5.500	4.000	39.100	39.700	34.700
28	121 0	27.000	37.800	30.200	13.000	7.200	5.500	4.000	38.100	38.400	34.800
29	12130	26.800	36.800	31.400	13.800	8.800	5.700	4.000	37.200	37.500	33.500
30	131 0	26.100	35.900	28.800	13.900	7.800	5.400	3.800	36.200	36.300	32.800
31	13130	25.200	32.400	25.400	12.800	7.700	5.100	3.500	34.500	34.500	32.000
32	141 0	23.800	27.900	21.600	13.200	6.700	5.600	3.700	32.200	31.700	30.400
33	14130	22.300	26.500	20.900	11.700	8.200	5.700	3.800	30.000	29.700	28.600
34	151 0	21.000	24.500	18.500	10.700	8.000	5.600	3.500	28.000	26.900	26.800
35	15130	19.700	21.900	18.700	12.800	9.400	6.300	3.700	25.900	24.800	25.100
36	161 0	18.100	19.200	16.400	11.800	8.100	5.800	3.600	23.400	22.300	23.500
37	16130	16.700	17.300	14.900	10.700	7.800	5.700	3.600	21.300	20.000	21.700
38	171 0	15.500	15.100	12.100	9.500	7.100	5.500	3.300	19.100	18.200	20.100
39	17130	14.300	11.800	9.100	7.300	4.700	4.300	2.800	17.500	16.300	18.300
40	181 0	13.100	9.800	7.600	6.300	4.800	3.600	2.100	15.800	14.700	16.700
41	18130	12.100	8.800	6.600	5.100	3.700	3.000	1.900	14.500	13.100	14.500
42	191 0	11.300	7.800	5.600	4.100	2.800	2.500	1.600	12.900	11.700	13.900
43	19130	10.500	6.500	4.800	2.900	2.100	2.000	1.400	11.500	10.900	12.600
44	37151	3.200	1.200	0.800	0.900	0.500	0.600	0.500	1.600	1.400	1.600

TITLE = CASE 5 DATE 85/10/29 TIME 11: 0149

CH. INDEX		121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 41	126 T= 42	127 T= 43	128 T= 44	129 T= 45	130 T= 46
INITIAL		15.100	15.200	14.200	14.900	16.000	15.800	15.300	15.000	15.000	15.000
FINAL		15.700	16.100	15.700	15.400	17.700	16.900	16.100	15.700	15.600	15.800
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	-0.100	0.0	0.0	-0.100	0.0	0.0	0.0	0.0
3	01 0	-0.100	0.0	-0.100	0.0	-0.100	-0.100	-0.100	0.0	0.0	-0.100
4	01 0	0.0	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	0.0	0.0	-0.100
5	0130	0.300	0.600	0.0	0.100	1.500	1.200	2.200	1.100	0.700	0.100
6	11 0	1.200	1.800	0.500	0.500	8.700	7.200	8.200	5.300	1.800	0.800
7	1130	2.200	2.700	1.200	1.000	13.900	12.500	14.100	9.000	4.400	2.000
8	21 0	3.000	4.100	1.000	1.200	17.100	15.900	17.700	11.300	6.000	2.900
9	2130	3.900	5.700	2.300	1.400	19.900	18.800	20.400	14.000	8.600	4.100
10	31 0	4.200	7.200	2.000	1.600	22.300	21.000	24.000	19.200	12.400	4.800
11	3130	4.900	8.800	5.400	1.800	24.400	21.700	25.400	20.500	13.900	5.100
12	41 0	4.900	9.400	5.700	2.000	25.700	25.200	26.500	20.600	15.000	5.100
13	4130	4.600	9.200	3.700	2.100	27.400	26.900	27.300	19.900	11.400	4.900
14	51 0	5.100	9.800	4.100	2.100	28.400	28.300	29.400	22.400	12.500	5.800
15	5130	5.500	10.500	4.400	2.500	30.100	29.600	29.500	24.100	14.900	5.100
16	61 0	5.900	11.100	4.700	2.400	30.800	30.400	31.000	23.000	14.900	6.100
17	6130	6.000	10.900	4.800	2.900	31.500	31.500	31.100	24.600	15.400	6.300
18	71 0	6.200	11.800	5.100	3.000	32.300	32.400	32.000	25.400	15.500	6.100
19	7130	6.500	12.400	5.300	2.900	33.100	33.200	32.800	26.400	15.700	6.000
20	81 0	6.600	12.200	5.500	3.100	34.000	33.000	32.700	26.700	16.100	6.400
21	8130	6.600	13.200	5.700	3.200	34.200	34.200	33.000	27.300	16.800	6.400
22	91 0	6.900	12.800	5.900	3.200	34.700	34.700	33.500	27.600	16.300	6.800
23	9130	7.100	13.500	6.200	3.300	34.700	34.900	34.100	28.200	19.300	7.100
24	101 0	7.200	13.900	6.300	3.100	35.400	35.400	34.400	27.800	17.300	7.000
25	10130	7.100	14.100	6.300	3.500	35.100	35.000	35.200	28.000	17.000	7.300
26	111 0	7.200	14.100	6.600	3.400	35.200	35.400	35.600	29.400	18.000	8.000
27	11130	7.300	14.300	6.500	3.500	35.400	35.700	34.700	28.300	17.500	7.400
28	121 0	7.400	14.600	6.800	3.500	34.900	35.300	33.800	27.300	17.100	7.900
29	12130	7.900	15.600	6.900	3.600	34.200	34.400	32.900	27.400	17.200	7.300
30	131 0	8.100	15.400	7.000	3.600	33.200	33.700	32.200	26.400	17.200	7.100
31	13130	8.100	15.500	7.200	3.500	32.500	32.800	30.400	25.100	16.100	7.200
32	141 0	9.200	16.100	7.700	3.600	30.400	31.100	28.500	24.300	17.600	7.700
33	14130	8.300	15.800	7.500	3.500	28.500	28.800	26.600	22.300	16.000	8.400
34	151 0	7.300	12.900	7.100	3.300	26.500	26.800	23.800	20.300	15.900	7.000
35	15130	7.100	11.900	6.900	3.100	24.600	24.900	21.300	17.500	13.800	6.200
36	161 0	6.900	11.900	6.700	3.000	22.500	22.700	19.200	16.200	11.700	6.000
37	16130	6.800	11.200	6.600	3.020	20.400	20.400	16.900	14.800	12.000	6.000
38	171 0	5.900	9.800	6.100	2.700	18.800	18.400	14.800	12.400	10.000	5.700
39	17130	5.300	8.200	5.600	2.400	16.800	16.400	13.200	11.100	9.500	5.500
40	181 0	4.900	7.400	5.200	2.200	15.300	15.100	12.900	11.500	8.800	4.900
41	18130	4.900	7.200	5.000	2.100	13.700	13.700	11.900	10.700	8.800	4.400
42	191 0	4.600	6.000	4.400	2.000	12.200	12.300	10.500	9.100	7.300	3.700
43	19130	4.600	6.500	4.700	2.000	11.100	11.100	9.200	7.800	6.000	3.400
44	37151	0.600	0.900	0.300	0.300	1.700	1.100	0.600	0.700	0.400	0.400

TITLE = CASE 5 DATE 85/10/29 TIME 11: 0149

CH. INDEX		131 T= 47	132 T= 51	133 T= 52	134 T= 53	135 T= 54	136 T= 61	137 T= 62	138 T= 63	139 T= 64	140 T= 65
INITIAL		14.900	15.400	15.500	15.000	15.100	15.800	15.600	15.100	15.700	15.100
FINAL		15.900	16.800	16.100	15.700	15.700	16.500	16.200	15.900	15.800	15.700
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.100	-0.100	-0.100	0.0	0.0	0.0	0.0	-0.100	0.0	0.0
3	01 0	0.100	-0.100	-0.100	0.0	0.0	-0.100	-0.100	0.0	-0.100	0.0
4	01 0	0.100	-0.200	-0.100	0.0	-0.100	-0.200	-0.200	-0.100	-0.100	0.0
5	0130	0.200	-0.100	-0.100	0.0	0.0	-0.100	-0.100	-0.100	-0.100	-0.100
6	11 0	0.700	9.500	6.000	1.200	0.200	6.700	1.900	1.000	0.200	0.100
7	1130	1.100	16.400	9.600	2.600	0.600	11.600	7.600	2.200	0.800	0.500
8	21 0	1.800	18.600	14.200	4.100	1.200	14.700	11.700	5.000	1.200	1.000
9	2130	1.000	20.600	15.000	6.600	1.600	16.200	13.600	8.700	1.900	1.560
10	31 0	2.100	22.800	17.000	7.200	2.000	17.900	15.500	10.600	2.200	1.900
11	3130	2.300	24.300	17.900	7.400	2.300	19.500	17.800	12.500	2.400	1.400
12	41 0	2.500	24.500	19.000	7.900	2.500	20.900	18.200	13.600	3.000	1.900
13	4130	2.300	25.700	19.800	7.500	2.500	21.500	19.100	13.900	3.200	2.000
14	51 0	2.600	27.400	21.200	7.900	2.800	22.400	19.600	14.900	3.200	2.000
15	5130	2.600	28.300	21.900	8.800	2.900	23.400	21.000	15.700	3.400	2.200
16	61 0	2.800	29.100	23.900	9.900	3.100	24.700	21.900	16.200	3.800	2.300
17	6130	2.900	29.900	23.500	10.400	3.300	24.900	22.000	16.600	3.900	2.500
18	71 0	3.000	30.200	24.100	9.300	3.400	25.000	22.500	17.300	4.000	2.900
19	7130	3.100	30.900	24.600	8.800	3.500	25.700	23.100	17.000	4.100	2.600
20	81 0	3.200	31.300	25.400	9.900	3.600	26.700	24.000	17.900	4.300	2.600
21	8130	3.300	31.800	25.900	9.400	3.700	26.800	24.900	18.100	4.400	2.700
22	91 0	3.500	31.700	26.500	9.900	3.900	27.400	25.300	18.700	4.500	2.700
23	9130	3.400	32.200	26.600	10.500	3.900	27.900	25.300	19.000	4.600	2.800
24	101 0	3.500	32.000	26.900	10.800	4.000	27.800	25.700	19.000	4.600	2.800
25	10130	3.600	33.100	27.100	10.900	4.100	28.700	25.900	19.200	4.800	2.900
26	111 0	4.000	33.000	27.000	11.100	4.200	28.200	26.600	19.900	4.900	3.100
27	11130	3.800	32.900	27.000	11.100	4.300	28.300	26.500	20.000	5.100	3.200
28	121 0	3.700	32.200	27.300	10.700	4.200	28.400	26.100	19.100	5.200	3.100
29	12130	4.020	31.600	26.200	11.000	4.300	27.800	26.000	19.200	5.100	3.100
30	131 0	3.800	30.700	25.600	12.300	4.400	27.200	25.000	19.300	5.100	3.200
31	13130	3.600	29.700	24.900	11.800	4.600	26.100	24.700	18.800	5.100	3.200
32	141 0	3.700	28.200	24.500	17.200	4.300	25.400	24.100	17.900	4.900	3.000
33	14130	3.700	25.900	22.300	12.500	4.500	23.900	23.100	17.500	5.000	3.000
34	151 0	3.100	23.500	20.600	10.900	4.200	21.600	21.000	16.100	5.200	3.000
35	15130	2.800	22.000	19.600	9.700	4.200	20.200	19.700	15.700	4.800	2.900
36	161 0	3.100	20.300	18.100	9.800	4.000	18.800	18.300	14.100	4.800	2.700
37	16130	3.000	17.800	16.900	9.300	3.800	17.900	16.500	12.900	4.800	2.500
38	171 0	3.000	15.900	15.000	8.400	3.700	15.600	15.400	12.100	4.800	2.500
39	17130	2.830	14.500	14.000	8.600	3.600	14.200	14.200	10.800	4.600	2.300
40	181 0	2.420	12.900	12.500	8.300	3.400	12.900	13.000	10.400	4.100	2.200
41	18130	2.000	11.700	10.500	7.400	3.200	11.400	11.800	8.700	3.500	2.000
42	191 0	1.900	10.900	9.600	5.303	2.900	10.300	10.600	7.600	3.000	2.800
43	19130	1.800	9.400	8.000	4.100	2.400	9.200	9.600	6.700	2.400	1.900
44	37151	0.600	1.000	0.800	0.700	0.400	0.700	0.600	0.800	0.600	0.600

TITLE = CASE 9 DATE 85/10/29 TIME 111 0149

CH. INDEX		141 T= 71	142 T= 72	143 T= 73	144 T= 74	145 T= 81	146 T= 82	147 T= 83	148 T= 84	149 T= 85	150 T= 91
INITIAL		15.700	15.200	15.100	15.100	15.600	15.500	15.300	15.300	15.600	15.700
FINAL		16.400	15.800	15.800	15.700	16.000	15.900	15.800	15.900	16.000	16.000
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.100	0.0	-0.100	0.0	0.0	0.0	0.0	-0.100	-0.100
3	01 0	0.0	0.0	0.0	0.0	0.100	0.100	0.0	0.0	-0.100	-0.100
4	01 0	0.0	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	-0.100	-0.100
5	0130	0.0	0.0	0.0	-0.100	0.0	0.0	0.0	-0.100	-0.200	-0.100
6	11 0	0.100	0.0	0.0	-0.100	-0.100	0.0	-0.100	0.0	-0.100	-0.100
7	1130	7.100	2.700	0.700	0.200	1.800	0.900	0.800	0.100	-0.100	-0.200
8	21 0	11.900	5.400	1.400	0.700	8.200	4.100	1.300	0.400	-0.100	1.800
9	2130	13.500	8.900	2.500	1.200	8.700	6.500	2.900	0.900	0.700	4.100
10	31 0	15.000	10.800	3.900	1.600	10.800	8.000	4.000	1.400	0.500	6.300
11	3130	16.600	12.000	5.400	1.900	12.200	9.700	6.300	1.700	0.700	7.700
12	41 0	17.900	12.800	6.900	2.200	13.300	11.300	7.700	2.000	0.800	9.000
13	4130	18.000	13.900	6.200	2.300	14.400	12.800	6.100	2.300	1.000	10.500
14	51 0	18.800	14.100	6.500	2.400	15.100	13.100	6.400	2.400	1.100	11.500
15	5130	20.500	15.200	7.500	2.400	15.800	13.900	9.200	2.800	1.200	11.900
16	61 0	20.800	15.000	7.900	2.600	16.600	14.800	10.200	2.900	1.300	12.200
17	6130	21.800	16.100	7.900	2.800	17.400	15.700	10.900	3.000	1.400	13.000
18	71 0	22.100	17.100	8.300	2.900	17.900	16.100	11.200	3.200	1.400	15.700
19	7130	22.300	16.400	7.700	3.000	18.000	16.200	11.200	3.200	1.500	16.000
20	81 0	23.000	17.900	8.500	3.100	18.200	16.200	11.200	3.300	1.600	16.400
21	8130	24.000	18.500	8.900	3.200	19.200	17.000	11.000	3.400	1.700	15.000
22	91 0	23.900	18.900	8.600	3.300	19.600	17.600	11.800	3.600	1.700	15.500
23	9130	24.300	19.800	9.600	3.500	20.100	17.900	12.600	3.700	1.800	16.000
24	101 0	24.800	20.000	10.200	3.300	20.200	18.200	12.700	3.800	1.900	16.400
25	10130	24.800	20.100	9.800	3.400	20.800	18.700	13.200	3.000	1.900	16.800
26	111 0	24.700	20.300	9.500	3.600	20.900	18.900	13.100	4.000	2.000	16.800
27	11130	25.200	20.400	9.500	3.800	21.100	19.100	13.400	4.100	2.000	17.100
28	121 0	25.000	20.100	10.100	3.800	21.100	19.400	13.600	4.200	2.100	17.300
29	12130	25.200	20.300	9.800	3.700	20.700	19.200	13.600	4.200	2.200	17.200
30	131 0	24.500	19.700	9.700	3.800	20.800	19.000	13.100	4.200	2.200	17.200
31	13130	23.900	19.400	9.800	3.700	20.900	19.100	13.200	4.300	2.200	17.000
32	141 0	22.600	18.900	9.400	3.600	19.800	18.900	12.300	4.100	2.200	16.700
33	14130	22.200	18.000	9.100	3.600	19.400	18.000	12.500	4.100	2.200	16.300
34	151 0	20.800	17.500	8.400	3.500	18.700	17.200	11.600	4.000	2.200	15.900
35	15130	19.300	16.300	8.200	3.500	17.400	16.400	10.600	3.800	2.200	15.100
36	161 0	17.900	14.800	7.900	3.300	16.200	15.300	10.300	3.700	2.100	14.300
37	16130	16.800	14.500	8.600	3.200	15.100	14.500	10.000	3.600	2.100	13.300
38	171 0	15.300	13.600	7.200	3.000	14.700	13.500	9.100	3.500	2.000	12.700
39	17130	13.800	12.800	7.300	3.100	13.100	12.500	8.500	3.400	1.900	12.000
40	181 0	12.900	11.600	7.000	3.000	11.900	11.800	8.300	3.400	1.900	11.200
41	18130	11.700	10.300	6.100	2.700	11.100	11.700	8.100	3.800	1.800	10.500
42	191 0	10.500	9.000	5.500	2.400	10.100	10.100	6.600	2.800	1.800	9.600
43	19130	9.800	8.500	4.600	2.500	9.000	9.100	4.400	2.800	1.700	8.900
44	37151	0.700	0.800	0.700	0.600	0.400	0.400	0.500	0.800	0.400	0.300

TITLE = CASE 9 DATE 85/10/29 TIME 111 0149

CH. INDEX		151 T= 92	152 T= 93	153 T= 94	154 T=101	155 T=102	156 T=103	157 T=104	158 T=105	159 T=111	160 T=112
INITIAL		15.600	15.300	15.200	15.900	15.600	15.400	15.500	15.500	15.900	15.600
FINAL		16.000	15.900	15.800	16.300	15.900	16.000	16.000	16.000	16.000	16.000
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	0.0	0.0	-0.100	-0.100	-0.100	-0.200	-0.100
3	01 0	0.0	0.0	0.0	-0.100	-0.100	-0.100	-0.100	-0.100	-0.200	-0.200
4	01 0	0.0	0.0	0.0	-0.100	-0.100	-0.100	-0.100	-0.100	-0.200	-0.200
5	0130	0.0	0.0	0.0	-0.100	-0.100	-0.100	-0.100	-0.100	-0.200	-0.200
6	11 0	0.0	0.0	0.0	-0.100	-0.200	0.0	-0.100	-0.100	-0.200	-0.200
7	1130	0.0	0.0	0.0	-0.100	-0.200	-0.100	-0.200	-0.100	-0.200	-0.200
8	21 0	0.500	0.600	0.300	0.200	0.200	0.200	0.0	0.0	-0.200	-0.300
9	2130	2.700	0.800	0.600	1.900	1.600	0.800	0.200	0.100	0.500	0.300
10	31 0	4.500	1.900	1.200	4.000	3.200	1.600	0.500	0.400	2.100	1.100
11	3130	5.600	1.900	1.500	5.600	4.600	2.800	1.000	0.800	3.700	2.400
12	41 0	6.900	2.300	1.700	6.800	5.700	3.700	1.200	1.000	4.500	3.100
13	4130	8.000	3.400	2.000	8.000	6.700	4.700	1.500	1.300	5.600	4.100
14	51 0	8.900	3.800	2.200	8.800	7.800	5.700	1.800	1.400	6.900	4.800
15	5130	9.200	3.500	2.200	9.800	8.100	6.200	2.000	1.600	7.800	5.300
16	61 0	9.700	3.900	2.200	10.000	8.500	5.900	2.000	1.700	8.000	5.800
17	6130	10.300	4.400	2.400	10.800	9.300	6.700	2.200	1.800	8.500	6.000
18	71 0	10.900	5.100	2.500	11.300	10.000	7.200	2.400	1.900	9.000	6.500
19	7130	10.900	5.000	2.600	11.900	10.700	7.400	2.500	2.000	9.900	7.000
20	81 0	11.200	4.700	2.700	12.100	11.000	7.800	2.600	2.000	10.000	7.400
21	8130	11.800	5.000	2.700	12.400	11.300	7.700	2.700	2.100	10.000	7.500
22	91 0	12.100	5.800	2.000	12.800	11.500	8.500	2.800	2.200	10.900	7.700
23	9130	12.200	5.700	2.900	13.100	11.700	8.400	2.900	2.200	10.700	8.100
24	101 0	12.500	5.300	3.100	13.900	12.300	8.300	2.900	2.300	11.300	8.500
25	10130	12.900	5.800	3.000	14.800	12.600	9.000	3.000	2.400	11.600	8.400
26	111 0	13.200	5.600	3.100	14.700	13.000	8.700	3.100	2.400	11.800	8.900
27	11130	13.000	6.000	3.100	14.600	13.200	9.100	3.200	2.400	12.000	9.000
28	121 0	13.600	6.000	3.200	14.600	13.600	9.500	3.200	2.500	12.200	9.100
29	12130	13.600	6.100	3.700	14.800	13.600	9.300	3.300	2.600	12.200	9.400
30	131 0	13.600	6.100	3.300	14.900	13.700	9.100	3.300	2.600	12.300	9.500
31	13130	13.000	5.800	3.300	14.600	13.400	8.700	3.300	2.700	12.100	9.200
32	141 0	13.200	5.400	3.400	14.400	13.100	8.800	3.300	2.600	12.100	9.000
33	14130	12.700	5.700	3.200	14.200	12.900	8.500	3.300	2.600	11.800	9.000
34	151 0	12.000	5.700	3.100	14.000	12.900	8.300	3.200	2.600	11.400	8.900
35	15130	12.200	5.600	3.200	13.500	12.300	8.400	3.200	2.600	11.600	8.800
36	161 0	11.500	5.200	3.000	13.800	11.700	7.700	3.200	2.500	11.100	8.700
37	16130	10.800	5.000	2.900	12.300	11.200	6.900	3.100	2.400	10.500	8.300
38	171 0	10.300	4.500	2.800	11.500	10.500	6.800	2.900	2.300	9.600	7.400
39	17130	9.600	4.200	2.800	10.800	9.800	6.400	2.700	2.200	9.500	7.300
40	181 0	9.300	4.400	2.600	10.200	9.200	6.000	2.600	2.100	9.100	7.100
41	18130	8.800	4.600	2.400	9.900	9.000	6.100	2.500	2.000	8.500	6.700
42	191 0	7.900	4.200	2.400	9.100	8.600	5.600	2.500	2.000	8.200	6.500
43	19130	7.400	3.900	2.200	8.600	8.000	5.200	2.300	1.900	7.800	6.900
44	37151	0.600	0.600	0.400	0.400	0.300	0.400	0.500	0.500	0.100	0.400

TITLE = CASE 9 DATE 85/10/29 TIME 111 0149

CH. INDEX		161 T=113	162 T=114	163 T=121	164 T=122	165 T=123	166 T=124	167 T=125	168 T=131	169 T=132	170 T=133
INITIAL		15.500	15.500	15.800	15.600	15.700	15.700	15.700	15.800	15.800	15.700
FINAL		16.000	16.000	16.100	16.000	16.000	16.000	16.000	16.100	16.000	16.000
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	-0.100	0.0	-0.100	-0.100	-0.100	-0.100	-0.100	0.0	-0.100
3	01 0	-0.100	-0.100	0.0	-0.100	-0.200	-0.200	-0.200	0.0	-0.200	-0.100
4	01 0	-0.100	-0.100	-0.100	-0.200	-0.200	-0.200	-0.200	0.0	-0.300	-0.300
5	0130	-0.100	-0.100	-0.200	-0.200	-0.100	-0.200	-0.200	-0.100	-0.400	-0.300
6	11 0	-0.100	-0.100	-0.200	-0.100	-0.300	-0.200	-0.200	-0.100	-0.300	-0.200
7	1130	-0.100	-0.100	-0.200	-0.200	-0.300	-0.200	-0.200	-0.100	-0.300	-0.100
8	21 0	-0.100	-0.100	-0.100	-0.200	-0.300	-0.300	-0.300	-0.100	-0.400	-0.300
9	2130	0.200	0.100	-0.200	-0.200	-0.300	-0.200	-0.100	-0.100	-0.400	-0.300
10	31 0	0.500	0.300	1.200	0.400	0.100	0.100	-0.100	0.200	-0.100	-0.200
11	3130	1.000	0.700	2.200	1.100	0.500	0.300	0.100	1.300	0.400	0.0
12	41 0	1.300	1.100	3.200	2.200	1.100	0.700	0.400	2.200	1.000	0.300
13	4130	1.700	1.300	4.100	3.000	1.600	1.100	0.700	2.800	1.700	0.700
14	51 0	2.000	1.500	4.400	3.600	2.100	1.400	1.000	3.400	2.400	1.100
15	5130	2.300	1.800	5.900	4.200	2.900	1.600	1.200	4.200	3.000	1.300
16	61 0	2.600	1.800	6.200	4.600	2.900	1.700	1.100	4.800	3.400	1.400
17	6130	2.800	1.900	6.300	4.900	3.300	1.900	1.500	5.100	3.800	1.800
18	71 0	2.900	2.100	6.600	5.300	3.600	2.000	1.600	5.500	3.800	1.900
19	7130	3.100	2.200	7.400	5.700	4.200	2.200	1.600	5.900	4.300	2.100
20	81 0	3.400	2.200	7.900	6.000	4.700	2.300	1.700	6.300	4.600	2.300
21	8130	3.300	2.300	8.700	6.400	4.800	2.400	1.800	6.600	5.000	2.700
22	91 0	3.600	2.500	8.200	6.500	5.100	2.500	1.900	6.800	5.100	2.700
23	9130	3.800	2.400	8.400	6.800	5.100	2.500	2.000	7.100	5.300	2.700
24	101 0	3.800	2.400	9.000	6.900	5.300	2.800	2.000	7.200	5.500	2.700
25	10130	3.800	2.800	9.400	7.100	5.700	2.700	2.000	7.500	5.800	3.000
26	111 0	3.700	2.900	9.600	7.500	6.000	2.900	2.100	7.900	5.900	3.100
27	11130	3.900	2.800	9.900	7.600	5.700	2.700	2.100	8.100	6.100	3.200
28	121 0	4.000	2.700	9.600	7.800	5.900	2.900	2.200	8.300	6.200	3.100
29	12130	3.900	2.700	9.900	7.600	5.800	3.000	2.200	8.400	6.300	3.300
30	131 0	4.200	2.800	10.200	7.400	5.900	3.000	2.300	8.300	6.300	3.200
31	13130	4.100	2.800	10.000	8.000	5.800	3.100	2.300	8.500	6.300	3.200
32	141 0	4.100	2.400	9.000	7.700	5.500	3.000	2.400	8.500	6.200	3.100
33	14130	4.100	2.800	9.000	7.500	5.400	3.000	2.400	8.200	6.200	3.200
34	151 0	4.000	2.700	9.000	7.500	5.000	3.200	2.400	8.000	6.200	3.200
35	15130	3.700	2.800	9.000	7.500	5.700	3.100	2.400	8.000	6.000	3.400
36	161 0	3.700	2.700	9.400	7.200	5.400	3.000	2.400	8.000	6.000	3.100
37	16130	3.600	2.700	8.900	7.100	5.300	2.900	2.400	7.800	5.900	3.100
38	171 0	3.400	2.600	8.400	6.700	4.700	2.800	2.300	7.600	5.700	3.000
39	17130	3.200	2.400	8.100	6.400	4.500	2.500	2.100	7.200	5.400	2.700
40	181 0	3.200	2.300	7.800	6.000	4.600	2.500	2.100	7.000	5.100	2.600
41	18130	3.100	2.200	7.600	5.800	4.300	2.400	2.000	6.700	4.900	2.600
42	191 0	3.200	2.200	7.300	5.800	4.200	2.300	1.900	6.300	4.700	2.500
43	19130	2.900	2.100	7.000	5.500	4.000	2.300	1.900	6.300	4.700	2.400
44	37151	0.500	0.500	0.500	0.400	0.300	0.300	0.300	0.300	0.200	0.300

TITLE = CASE 9 DATE 85/10/29 TIME 111 0149

CH. INDEX		171 T=134	172 T=141	173 T=151	201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31
INITIAL		15.600	16.800	16.000	0.150	0.156	0.156	0.162	0.162	0.161	0.152
FINAL		16.190	17.800	18.100	0.161	0.140	0.140	0.159	0.161	0.160	0.166
LOOP	TIME	(C)	(C)	(C)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	0.0	0.0	0.0	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	-0.100	-0.100	0.0	99.907	99.987	100.032	99.988	100.029	99.996	100.007
3	01 0	-0.200	0.0	0.0	99.980	99.976	100.006	100.006	100.018	99.996	100.046
4	01 0	-0.300	-0.100	0.100	99.728	99.801	99.974	100.063	100.063	100.067	100.020
5	0130	-0.100	-0.100	0.0	99.578	99.425	99.866	100.086	100.076	100.050	99.111
6	11 0	0.200	0.0	0.100	99.756	99.757	99.883	100.080	100.055	100.087	99.553
7	1130	-0.400	0.100	0.0	99.836	99.699	99.976	100.086	100.111	100.190	99.711
8	21 0	-0.200	0.800	0.0	99.900	99.910	100.207	100.080	100.173	100.062	100.085
9	2130	-0.100	1.600	0.0	100.067	99.807	100.194	100.175	100.156	100.125	100.217
10	31 0	-0.300	2.400	0.100	99.701	99.853	100.206	100.185	100.154	100.110	100.355
11	3130	0.0	3.000	0.100	88.322	91.025	97.207	97.456	98.788	97.201	95.699
12	41 0	0.300	3.500	0.100	87.661	88.101	94.063	91.070	96.279	96.803	88.857
13	4130	0.600	4.000	0.100	89.561	90.510	96.195	93.357	93.011	95.176	92.952
14	51 0	1.100	4.500	0.100	90.963	90.998	96.617	93.960	95.666	95.828	95.617
15	5130	1.100	4.800	0.100	92.777	91.696	96.507	91.869	95.236	95.969	93.449
16	61 0	1.200	5.250	0.0	97.612	93.068	96.011	95.186	94.867	96.550	96.617
17	6130	1.800	5.500	0.100	91.540	92.311	96.468	94.316	96.279	97.070	96.214
18	71 0	1.800	5.800	0.100	93.787	96.750	93.030	97.135	96.072	96.600	98.676
19	7130	1.700	6.100	0.100	95.419	95.266	95.169	88.168	97.704	92.421	96.987
20	81 0	1.900	6.300	0.100	92.276	91.875	95.962	92.378	96.989	95.856	91.960
21	8130	2.100	6.600	0.100	92.611	92.715	97.051	94.000	95.076	95.015	95.031
22	91 0	2.300	6.700	0.0	91.905	92.056	96.720	96.592	96.272	95.606	94.201
23	9130	1.900	6.900	0.100	91.233	91.356	96.707	96.240	96.090	95.356	96.260
24	101 0	2.600	7.100	0.100	86.966	85.656	95.726	98.780	92.093	96.713	90.391
25	10130	2.900	7.100	0.100	85.507	87.516	93.998	98.134	90.128	95.368	87.548
26	111 0	2.100	7.400	0.100	88.908	88.206	96.502	89.185	86.689	96.551	88.086
27	11130	2.200	7.500	0.100	91.856	91.863	96.701	95.475	95.258	96.515	93.858
28	121 0	2.500	7.600	0.100	91.116	91.901	96.748	96.826	95.454	96.519	96.676
29	12130	2.500	7.800	0.100	91.054	92.298	97.098	95.302	95.605	95.700	95.055
30	131 0	2.500	7.800	0.100	91.316	91.736	97.129	95.894	95.982	96.607	94.779
31	13130	2.400	7.800	0.100	90.666	91.365	96.661	95.116	95.736	96.911	96.621
32	141 0	2.400	7.700	0.100	93.666	91.972	96.036	95.670	96.370	98.104	99.106
33	14130	2.500	7.600	0.100	99.617	95.758	98.527	98.315	98.823	98.711	97.511
34	151 0	2.500	7.500	0.100	95.565	95.970	98.671	98.716	99.193	99.200	98.196
35	15130	2.700	7.200	0.100	95.589	96.065	98.611	98.911	99.470	99.670	98.306
36	161 0	2.900	6.900	0.100	95.502	96.065	98.645	98.975	99.581	99.720	98.299
37	16130	2.500	6.600	0.100	95.262	95.951	98.652	98.963	99.686	99.763	98.233
38	171 0	2.800	6.300	0.100	95.169	95.925	98.666	98.911	99.618	99.757	98.115
39	17130	2.200	6.000	0.0	95.123	95.872	98.696	98.876	99.704	99.810	98.063
40	181 0	2.100	5.700	0.100	95.056	95.762	98.301	98.852	99.706	99.844	97.966
41	18130	2.300	5.400	0.100	96.985	95.711	98.289	98.821	99.663	99.876	97.852
42	191 0	1.900	5.100	0.100	96.917	95.676	98.218	98.759	99.673	99.846	97.721
43	19130	2.200	4.000	0.100	96.777	95.569	98.018	98.656	99.689	99.737	97.500
44	37151	0.500	1.300	0.100	93.053	95.252	98.720	97.805	99.268	99.881	95.816

TITLE = CASE 5   DATE 85/10/29   TIME 11: 01:49

CH. INDEX		208 S= 32	209 S= 33	210 S= 34	211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 45	217 S= 51
INITIAL		0.151	0.153	0.154	0.163	0.155	0.159	0.156	0.147	0.163	0.156
FINAL		0.147	0.148	0.153	0.161	0.150	0.155	0.153	0.145	0.142	0.150
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	99.997	100.026	99.996	100.018	100.006	100.000	100.019	100.020	99.822	100.018
3	0: 0	100.000	100.005	100.013	100.012	100.013	100.011	100.019	100.027	99.818	100.044
4	0: 0	100.026	100.046	100.019	100.037	100.032	100.025	100.038	100.027	100.147	100.096
5	0:30	99.987	100.044	100.006	100.025	100.015	100.075	100.032	100.040	100.098	100.167
6	1: 0	99.980	99.915	99.987	100.000	100.071	100.011	100.045	100.020	100.107	100.109
7	1:30	99.990	99.987	100.013	100.031	100.071	100.069	100.051	100.061	100.234	100.128
8	2: 0	99.980	99.976	100.008	100.043	100.071	100.096	100.058	100.080	100.080	100.122
9	2:30	99.980	100.041	99.967	100.010	100.084	100.082	100.050	100.061	100.448	100.096
10	3: 0	99.987	100.124	99.950	100.000	100.077	100.126	100.071	100.075	100.227	100.032
11	3:30	91.220	98.345	98.682	99.168	99.569	99.522	100.058	100.075	100.251	99.949
12	4: 0	82.970	93.360	93.027	98.478	92.686	93.169	97.588	98.154	98.387	97.718
13	4:30	87.687	93.171	91.902	98.617	98.635	89.152	93.082	98.869	96.946	93.165
14	5: 0	89.231	96.785	93.309	98.916	93.089	92.208	94.625	99.111	96.688	97.075
15	5:30	89.213	95.256	93.490	98.234	98.240	93.051	95.266	95.880	97.031	91.928
16	6: 0	90.120	95.380	91.408	97.259	98.387	91.309	95.588	95.863	96.365	91.851
17	6:30	90.920	95.549	94.288	96.390	94.916	93.063	95.581	96.409	98.040	94.101
18	7: 0	89.749	96.698	92.737	98.001	96.107	93.309	95.037	95.812	97.935	94.869
19	7:30	88.251	88.882	89.421	95.607	88.098	87.032	94.646	95.880	96.498	91.858
20	8: 0	86.190	91.092	89.957	96.056	88.036	86.227	91.739	92.989	95.952	87.421
21	8:30	98.206	95.230	93.248	95.011	94.036	93.070	94.072	94.237	96.767	89.902
22	9: 0	90.908	95.582	98.213	95.011	94.882	94.057	95.286	95.588	96.639	97.902
23	9:30	91.263	95.082	96.105	96.500	94.391	93.692	95.018	95.188	97.350	93.960
24	10: 0	85.165	96.017	93.355	96.187	94.016	93.366	95.646	95.438	97.234	93.096
25	10:30	82.553	81.301	88.731	95.206	89.667	89.392	97.900	95.799	95.093	90.825
26	11: 0	84.946	88.675	88.938	95.683	88.537	88.976	98.094	92.099	95.079	87.608
27	11:30	90.337	96.196	91.088	96.500	91.969	89.915	92.162	92.853	96.109	87.601
28	12: 0	91.515	95.969	91.973	96.360	94.599	93.875	95.864	95.580	97.068	90.767
29	12:30	92.356	95.192	93.702	98.101	94.626	93.818	95.792	95.907	97.067	92.447
30	13: 0	92.292	95.500	94.219	96.038	94.863	94.420	96.235	96.077	97.082	92.351
31	13:30	92.381	95.471	96.482	96.752	94.901	94.556	96.448	96.308	97.708	92.366
32	14: 0	93.190	95.777	96.068	96.766	94.721	94.685	96.131	96.448	97.571	92.695
33	14:30	96.680	97.364	96.312	98.219	95.658	95.667	97.280	96.898	97.696	92.242
34	15: 0	97.926	97.858	97.161	98.618	97.568	97.618	98.108	98.188	98.681	91.249
35	15:30	97.910	97.873	97.973	98.803	97.691	97.855	98.555	99.057	98.663	94.273
36	16: 0	97.917	97.893	97.610	98.925	97.735	98.038	98.711	99.395	99.716	94.275
37	16:30	97.970	98.908	97.617	99.005	97.756	98.151	98.826	99.376	99.785	94.249
38	17: 0	97.937	97.899	97.592	98.969	97.767	98.126	98.828	99.450	99.859	94.172
39	17:30	97.961	97.915	97.560	99.011	97.769	98.138	98.758	99.409	99.785	94.133
40	18: 0	97.910	97.883	97.691	98.993	97.696	98.166	98.763	99.437	100.092	94.882
41	18:30	97.877	97.752	97.447	98.868	97.638	98.088	98.711	99.389	99.896	93.992
42	19: 0	97.826	97.780	97.186	98.999	97.586	98.058	98.672	99.389	99.836	93.968
43	19:30	97.791	97.590	97.166	98.929	97.561	97.981	98.627	99.329	99.761	93.865
44	37:51	97.396	98.703	96.615	98.754	96.869	97.195	97.858	98.751	99.301	95.858

TITLE = CASE 5   DATE 85/10/29   TIME 11: 01:49

CH. INDEX		218 S= 52	219 S= 53	220 S= 54	221 S= 61	222 S= 62	223 S= 63	224 S= 64	225 S= 71	226 S= 72	227 S= 81
INITIAL		0.159	0.166	0.159	0.157	0.160	0.151	0.157	0.156	0.155	0.157
FINAL		0.151	0.160	0.153	0.146	0.154	0.146	0.156	0.150	0.156	0.157
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	99.987	100.050	99.898	100.066	100.060	99.782	99.949	99.961	100.006	100.006
3	0: 0	99.076	100.091	99.935	100.033	100.031	99.901	99.981	100.006	100.097	100.038
4	0: 0	100.216	100.071	100.253	100.079	100.088	100.105	100.077	100.141	100.039	100.076
5	0:30	100.151	100.136	100.207	100.092	100.094	100.205	100.057	100.148	100.058	100.089
6	1: 0	100.101	100.140	100.382	100.105	100.144	100.457	100.121	100.109	100.071	100.121
7	1:30	100.096	100.122	100.349	100.118	100.198	100.377	100.121	100.206	100.000	100.127
8	2: 0	99.950	100.166	100.201	100.105	100.130	100.265	100.089	100.179	100.097	100.127
9	2:30	100.290	100.188	100.467	100.098	100.197	100.569	100.180	100.212	100.116	100.159
10	3: 0	100.031	100.192	100.310	100.033	100.113	100.418	100.167	100.167	100.136	100.167
11	3:30	100.088	100.189	100.356	99.978	100.094	100.410	100.160	100.183	100.116	100.121
12	4: 0	99.126	99.927	99.955	99.731	100.096	100.563	100.185	100.026	100.168	100.096
13	4:30	96.276	98.009	97.900	92.089	97.055	98.808	99.196	98.582	99.923	100.038
14	5: 0	88.901	96.606	97.622	88.028	91.256	90.880	98.967	92.099	96.328	97.455
15	5:30	91.679	96.974	97.766	89.781	91.211	89.876	98.638	87.110	96.760	92.306
16	6: 0	92.250	98.096	97.265	91.308	92.903	93.108	98.864	88.052	95.999	90.315
17	6:30	92.617	95.355	97.451	91.615	92.151	92.356	98.570	90.889	96.805	91.914
18	7: 0	92.310	96.121	97.712	91.603	92.728	92.267	99.169	91.879	96.599	92.417
19	7:30	92.220	95.089	97.950	91.256	91.154	91.771	98.706	91.509	95.650	91.831
20	8: 0	88.025	94.166	96.390	86.965	91.908	88.969	98.787	90.514	95.328	92.078
21	8:30	86.230	92.181	97.375	82.689	86.307	85.027	98.449	84.778	94.166	90.887
22	9: 0	90.565	94.495	96.015	87.707	87.663	87.685	98.456	83.261	94.366	85.906
23	9:30	92.309	95.622	96.785	91.183	91.355	90.890	98.036	88.979	95.721	89.985
24	10: 0	91.521	96.095	96.863	91.026	92.046	91.963	98.028	90.957	94.121	91.006
25	10:30	90.616	96.720	97.213	90.173	92.381	92.526	98.565	90.662	94.708	91.825
26	11: 0	85.655	92.777	96.199	89.607	87.626	89.808	98.251	88.635	94.399	92.093
27	11:30	86.596	92.971	96.059	87.809	86.580	87.606	98.071	82.877	92.675	90.160
28	12: 0	88.109	92.296	96.410	83.252	82.298	86.915	98.455	82.557	91.572	86.300
29	12:30	90.998	96.098	96.701	89.506	90.609	90.516	98.081	85.821	94.276	85.891
30	13: 0	90.576	96.369	97.077	90.265	91.505	92.585	98.379	89.859	95.231	88.690
31	13:30	90.772	96.382	97.518	90.626	91.996	91.510	98.932	88.196	96.528	91.857
32	14: 0	90.532	96.516	97.286	90.875	92.291	92.061	98.742	88.501	95.257	91.012
33	14:30	91.693	96.536	97.543	90.611	92.216	92.556	98.672	90.606	95.866	92.306
34	15: 0	91.603	95.667	96.710	91.110	92.689	93.652	98.953	90.771	95.788	92.137
35	15:30	93.667	95.896	98.891	91.512	94.821	94.949	99.208	91.953	96.956	92.398
36	16: 0	93.617	98.159	98.080	94.561	95.699	96.167	99.613	93.679	98.019	93.576
37	16:30	93.783	98.151	98.092	94.726	95.765	96.805	99.606	94.611	98.580	95.306
38	17: 0	93.776	98.018	98.518	94.691	95.763	96.372	99.680	94.804	98.651	95.769
39	17:30	93.602	98.030	98.833	94.673	95.706	96.392	99.685	94.896	98.038	95.886
40	18: 0	93.776	95.965	99.036	94.818	95.055	96.551	99.502	94.920	98.800	95.922
41	18:30	93.556	95.916	90.860	94.667	95.605	96.273	99.677	94.766	98.806	95.871
42	19: 0	93.638	95.823	98.709	94.529	95.569	96.196	99.665	94.753	98.818	95.801
43	19:30	93.367	95.738	98.730	94.657	95.659	96.056	99.652	94.663	98.780	95.763
44	37:51	95.633	97.525	98.029	95.979	96.667	96.888	99.611	96.127	99.097	96.597

TITLE = CASE 5   DATE 85/10/29   TIME 11: 01:49

CH. INDEX		228 S= 82	229 S= 83	230 S= 91	231 S= 92	232 S=101	233 S=102	234 S=103	235 S=111	236 S=112	237 S=121
INITIAL		0.158	0.156	0.158	0.157	0.151	0.158	0.157	0.156	0.154	0.159
FINAL		0.153	0.155	0.153	0.155	0.148	0.156	0.158	0.156	0.153	0.158
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	99.936	99.987	99.968	99.987	99.993	100.006	100.019	99.994	100.007	100.013
3	0: 0	100.026	99.996	99.994	99.908	100.027	100.019	100.044	100.013	100.020	100.019
4	0: 0	100.070	100.026	100.070	100.026	100.066	100.070	100.095	100.045	100.059	100.056
5	0:30	100.077	100.032	100.082	100.006	100.080	100.083	100.108	100.077	100.085	100.069
6	1: 0	100.122	100.051	100.127	100.006	100.126	100.115	100.133	100.090	100.111	100.096
7	1:30	100.122	100.051	100.133	100.038	100.126	100.128	100.146	100.102	100.111	100.096
8	2: 0	100.128	100.051	100.127	100.013	100.126	100.128	100.172	100.109	100.138	100.107
9	2:30	100.160	100.077	100.158	100.045	100.166	100.160	100.210	100.154	100.163	100.138
10	3: 0	100.154	100.077	100.152	100.045	100.186	100.166	100.229	100.160	100.169	100.144
11	3:30	100.134	100.077	100.139	100.038	100.165	100.160	100.241	100.147	100.169	100.151
12	4: 0	100.180	100.101	100.158	100.057	100.239	100.185	100.292	100.179	100.208	100.169
13	4:30	100.122	100.083	100.108	100.057	100.199	100.173	100.311	100.179	100.208	100.144
14	5: 0	99.514	98.890	100.025	100.045	100.195	100.141	100.318	100.166	100.202	100.151
15	5:30	95.130	97.838	98.017	99.770	99.801	99.693	100.102	100.141	100.163	100.138
16	6: 0	91.721	97.915	96.556	99.660	95.662	98.591	98.036	99.116	97.375	100.044
17	6:30	93.615	96.080	96.859	99.668	90.999	91.916	98.259	93.925	98.007	97.522
18	7: 0	94.351	97.915	95.790	99.662	92.135	91.321	98.113	89.729	96.201	92.718
19	7:30	93.903	98.191	95.651	99.617	92.620	92.596	97.706	92.162	96.209	94.110
20	8: 0	94.672	98.159	95.508	99.668	93.018	93.758	97.859	92.054	95.675	93.602
21	8:30	94.760	97.701	95.499	99.662	93.666	91.573	98.253	91.778	96.665	93.088
22	9: 0	90.365	97.101	93.593	99.561	92.591	93.720	97.992	95.546	96.109	94.593
23	9:30	89.682	97.816	90.225	99.979	88.041	89.332	97.606	91.151	95.187	92.917
24	10: 0	93.244	97.575	93.612	99.579	86.501	86.051	97.968	85.932	95.448	91.021
25	10:30	93.685	97.697	94.703	99.593	91.621	91.667	97.708	87.986	95.936	88.233
26	11: 0	93.610	97.898	94.999	99.570	92.759	92.978	97.503	88.615	95.910	92.109
27	11:30	92.662	97.310	94.956	99.559	92.779	93.266	98.011	91.588	96.170	93.019
28	12: 0	89.326	97.366	93.043	99.668	92.268	92.955	97.649	92.054	96.016	92.590
29	12:30	85.976	97.537	91.624	99.606	88.143	90.996	97.191	90.920	96.979	93.088
30	13: 0	91.627	97.729	91.511	99.651	86.934	89.326	97.426	88.538	95.096	96.940
31	13:30	94.095	97.676	93.809	99.521	88.305	91.289	97.607	88.661	96.896	89.157
32	14: 0	95.052	98.089	96.911	99.665	92.666	92.927	97.681	87.322	96.079	85.718
33	14:30	96.012	98.217	96.575	99.502	92.360	93.579	97.789	92.286	96.130	89.456
34	15: 0	96.319	98.332	95.005	99.536	94.008	94.140	98.058	92.985	96.619	91.330
35	15:30	95.992	98.550	96.639	99.669	93.929	94.636	98.303	95.392	97.063	92.826
36	16: 0	95.266	98.916	96.562	99.967	96.041	96.676	98.526	93.789	96.776	93.720
37	16:30	98.089	99.366	95.619	99.591	95.377	95.689	99.047	96.083	97.232	96.651
38	17: 0	97.552	99.513	96.667	99.623	96.005	97.352	99.225	95.217	98.399	93.836
39	17:30	97.361	99.570	96.518	99.606	98.146	97.961	99.661	96.867	99.101	96.632
40	18: 0	97.667	99.609	96.599	99.590	98.379	97.992	99.847	98.019	99.310	97.023
41	18:30	97.363	99.570	96.531	99.553	98.532	98.120	99.867	98.117	99.362	98.076
42	19: 0	97.351	99.602	96.676	99.540	98.592	98.120	99.078	98.220	99.446	98.200
43	19:30	97.311	99.596	96.610	99.513	98.605	98.120	99.073	98.181	99.420	98.169
44	37:51	98.017	99.737	97.120	99.272	98.373	98.772	100.140	98.534	99.785	98.071

TITLE = CASE 5   DATE 85/10/29   TIME 11: 01:49

CH. INDEX		238 S=122	239 S=123	240 S=131
INITIAL		0.155	0.157	0.157
FINAL		0.155	0.157	0.146
LOOP	TIME	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000
2	0: 0	99.901	99.981	100.112
3	0: 0	99.960	99.908	100.132
4	0: 0	100.052	100.038	100.277
5	0:30	100.058	100.038	100.302
6	1: 0	100.006	100.044	100.441
7	1:30	100.099	100.057	100.439
8	2: 0	100.097	100.070	100.439
9	2:30	100.127	100.102	100.587
10	3: 0	100.135	100.089	101.007
11	3:30	100.142	100.076	100.712
12	4: 0	100.161	100.100	99.697
13	4:30	100.161	100.127	99.638
14	5: 0	100.168	100.108	99.015
15	5:30	100.135	100.119	97.700
16	6: 0	100.026	100.121	95.993
17	6:30	98.575	99.756	94.872
18	7: 0	96.092	99.671	93.457
19	7:30	95.565	99.166	91.722
20	8: 0	95.556	99.096	92.901
21	8:30	95.169	99.121	91.861
22	9: 0	94.601	99.151	90.525
23	9:30	94.369	99.166	89.303
24	10: 0	95.363	99.066	89.288
25	10:30	96.615	98.911	89.205
26	11: 0	95.129	98.988	89.178
27	11:30	93.966	98.930	89.662
28	12: 0	96.161	98.926	88.680
29	12:30	95.636	98.962	87.695
30	13: 0	96.731	98.790	90.012
31	13:30	96.056	98.669	90.565
32	14: 0	95.170	98.771	89.771
33	14:30	95.505	98.815	90.997
34	15: 0	95.080	98.870	92.166
35	15:30	96.260	98.820	92.996
36	16: 0	96.601	99.070	96.108
37	16:30	96.750	99.076	95.300
38	17: 0	97.196	99.229	96.560
39	17:30	98.108	99.150	97.612
40	18: 0	98.536	99.471	98.906
41	18:30	98.742	99.682	99.829
42	19: 0	98.878	99.600	100.685
43	19:30	98.775	99.600	101.457
44	37:51	99.260	99.822	98.316

実験No.16 TITLE = CASE 4 (A) DATE 85/10/29 TIME 13: 71:43

CH. INDEX		101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		15.200	15.400	15.000	14.700	14.500	14.900	14.700	14.800	14.800	15.300
FINAL		35.200	17.900	17.200	16.400	16.300	16.500	16.500	16.100	15.500	20.500
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0' 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0' 0	-0.100	0.0	-0.100	0.100	0.0	-0.100	0.300	-0.100	0.0	-0.100
3	0' 0	0.0	0.100	0.100	0.100	0.200	0.100	0.100	0.0	0.100	0.0
4	0' 0	22.900	10.700	15.800	13.000	7.000	5.600	3.000	1.000	0.300	4.100
5	0'30	46.000	44.300	39.900	33.300	21.800	13.100	8.100	6.000	3.700	51.400
6	1' 0	67.000	52.600	48.100	44.700	21.400	13.200	8.100	5.600	5.300	65.400
7	1'30	80.800	59.000	55.100	50.000	24.800	14.800	9.200	5.700	5.700	58.900
8	2' 0	91.900	62.800	58.900	53.400	29.400	13.800	9.400	6.100	3.900	54.700
9	2'30	103.000	69.200	63.700	59.000	35.700	14.100	8.400	5.800	4.000	59.900
10	3' 0	108.000	71.700	66.300	59.400	35.700	17.500	10.900	6.900	4.800	62.000
11	3'30	119.800	74.400	69.400	65.800	43.400	17.300	10.700	7.100	4.900	65.900
12	4' 0	129.400	79.200	74.300	67.300	40.500	16.500	9.700	7.100	4.500	69.300
13	4'30	132.900	82.100	76.800	68.900	49.400	16.000	10.900	7.200	4.700	72.100
14	5' 0	135.200	84.800	78.000	70.700	47.700	18.100	12.000	9.000	5.900	74.900
15	5'30	140.200	84.700	79.400	72.000	49.800	18.000	11.000	8.300	6.100	76.900
16	6' 0	141.800	87.600	80.200	72.400	49.200	19.200	12.000	7.000	5.000	75.700
17	6'30	145.200	90.100	81.900	75.400	46.300	22.400	13.800	10.000	6.000	78.100
18	7' 0	148.900	91.400	84.800	77.300	53.300	22.900	17.800	9.300	6.700	81.200
19	7'30	151.200	95.300	87.300	76.900	54.700	22.000	13.300	10.200	7.900	81.900
20	8' 0	155.400	95.800	87.000	75.900	51.400	22.700	15.600	11.000	8.000	82.700
21	8'30	151.800	95.700	89.700	82.900	54.100	22.000	13.100	10.100	7.500	84.900
22	9' 0	157.400	96.800	90.300	80.800	55.900	23.400	13.900	10.200	7.500	83.500
23	9'30	156.100	95.400	90.100	82.200	57.800	25.400	14.000	10.700	7.500	84.900
24	10' 0	150.300	96.600	90.600	80.400	52.200	22.900	14.400	10.500	7.600	84.600
25	10'30	152.300	94.500	87.900	79.500	57.500	26.900	14.900	10.800	8.000	83.400
26	11' 0	147.800	92.400	87.100	79.000	56.400	23.700	14.100	11.200	8.200	87.100
27	11'30	141.400	85.200	81.100	75.400	54.200	25.300	15.100	10.000	8.400	79.000
28	12' 0	126.100	80.300	75.200	69.100	51.500	21.700	13.500	9.600	7.200	76.000
29	12'30	118.000	72.700	68.400	61.900	47.200	23.500	15.000	10.900	7.400	68.400
30	13' 0	104.700	64.400	60.300	53.200	41.700	24.000	15.000	10.400	6.400	61.700
31	13'30	92.000	61.100	57.500	50.700	41.200	23.600	14.100	9.900	7.100	55.700
32	14' 0	86.100	57.100	47.000	44.000	36.000	26.100	17.000	11.400	6.300	51.100
33	14'30	79.900	45.700	43.100	39.200	33.500	26.300	17.700	10.900	5.700	41.900
34	15' 0	71.200	38.200	38.000	33.400	28.000	22.400	18.800	10.200	4.000	38.100
35	15'30	65.400	32.700	31.000	30.100	27.400	22.100	16.700	10.000	5.000	32.100
36	16' 0	58.500	26.800	26.200	25.200	23.900	20.000	17.200	10.800	5.000	27.200
37	16'30	51.800	21.500	22.800	21.700	20.900	17.900	14.300	8.500	3.900	21.900
38	17' 0	46.000	19.400	18.700	17.800	16.400	13.100	9.400	6.100	2.800	19.200
39	17'30	42.900	17.100	14.300	15.000	13.200	9.900	7.500	4.900	2.200	16.100
40	18' 0	34.200	14.500	13.200	12.100	10.000	6.700	4.500	2.400	1.400	13.900
41	18'30	35.500	12.000	10.700	9.100	7.000	4.800	3.500	2.100	1.100	12.400
42	19' 0	29.800	9.600	8.800	7.500	6.100	5.000	3.900	2.000	1.600	11.000
43	19'30	25.400	7.600	6.600	5.000	4.300	3.100	2.500	1.400	1.200	10.200
44	24' 0	18.400	2.700	2.200	2.100	1.800	1.400	1.800	1.100	0.700	5.200

TITLE = CASE 4 DATE 85/10/29 TIME 13: 71:43

CH. INDEX		111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		16.300	15.000	14.600	15.100	14.800	15.100	14.900	15.900	15.400	15.400
FINAL		26.900	19.400	17.400	17.000	16.600	16.600	16.100	21.100	19.700	22.100
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0' 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0' 0	0.0	0.100	0.100	-0.100	0.100	-0.100	0.0	0.0	0.0	-0.100
3	0' 0	0.0	0.200	0.100	0.0	0.100	0.0	0.0	0.0	0.0	-0.100
4	0' 0	0.0	2.100	1.800	0.300	0.600	0.100	0.100	0.0	0.0	-0.100
5	0'30	3.600	21.400	9.800	3.600	3.000	1.200	0.800	10.900	12.300	4.000
6	1' 0	10.400	30.500	18.500	6.500	6.200	3.200	2.100	27.200	24.200	11.900
7	1'30	17.000	39.000	32.600	10.600	7.900	4.500	3.000	29.600	32.600	17.700
8	2' 0	21.900	44.000	36.200	12.800	8.300	5.200	3.700	35.000	39.000	23.000
9	2'30	25.800	49.100	41.000	13.200	8.700	5.700	4.200	40.400	41.900	28.200
10	3' 0	29.400	53.200	45.600	13.400	8.100	6.800	4.900	45.000	48.100	32.500
11	3'30	31.800	55.500	45.300	15.600	9.400	6.800	4.900	48.300	51.200	36.300
12	4' 0	33.700	58.400	51.100	18.100	9.600	7.100	5.100	51.500	54.400	40.100
13	4'30	35.800	61.300	51.400	17.000	10.000	7.500	5.300	54.700	57.900	43.300
14	5' 0	37.400	63.100	54.500	17.000	10.200	7.800	5.700	56.800	60.800	46.700
15	5'30	39.500	65.200	57.700	17.300	10.400	8.200	6.300	59.000	62.300	49.300
16	6' 0	40.400	65.200	56.700	19.400	10.900	8.200	6.300	60.700	63.300	51.100
17	6'30	41.500	67.700	59.200	20.100	12.000	8.800	6.800	62.700	64.700	52.700
18	7' 0	43.000	69.700	61.000	21.000	12.500	9.100	7.100	64.500	66.900	54.900
19	7'30	44.600	72.200	63.400	21.400	12.500	9.600	7.500	64.600	68.700	57.100
20	8' 0	46.300	73.000	64.800	22.400	13.400	9.900	7.900	67.000	70.300	59.200
21	8'30	47.000	72.700	67.700	24.000	14.100	10.300	8.000	68.100	70.400	60.000
22	9' 0	48.100	73.700	63.800	21.700	13.500	10.700	8.400	69.400	71.800	61.300
23	9'30	49.100	74.100	67.800	24.500	13.700	10.500	8.400	70.000	72.300	62.500
24	10' 0	49.500	74.200	67.800	22.400	13.900	10.500	8.400	70.500	73.000	63.700
25	10'30	50.100	74.100	65.700	23.600	14.700	10.400	8.200	70.400	73.100	64.300
26	11' 0	50.400	72.500	65.400	23.600	14.200	10.600	8.200	70.100	71.900	64.200
27	11'30	49.700	70.400	60.400	24.000	14.100	10.400	8.300	69.000	70.700	64.000
28	12' 0	48.800	67.400	57.700	24.500	14.500	10.400	8.100	66.800	68.800	62.400
29	12'30	47.100	63.700	55.200	24.400	14.100	10.500	8.100	64.000	64.500	60.800
30	13' 0	44.700	58.500	50.100	24.400	13.800	10.400	8.300	60.400	60.100	57.900
31	13'30	41.800	51.400	45.600	24.500	14.700	10.700	8.500	56.100	54.700	54.300
32	14' 0	39.400	48.500	39.100	23.400	15.000	10.800	8.100	52.100	50.900	50.900
33	14'30	36.900	40.700	32.500	19.400	12.400	9.700	7.100	48.000	46.000	47.600
34	15' 0	34.000	35.800	29.700	17.500	12.400	9.200	6.400	43.400	41.000	44.100
35	15'30	31.000	30.900	26.300	17.300	12.900	9.200	6.700	38.900	35.800	40.100
36	16' 0	26.200	26.400	23.500	17.200	12.100	9.100	6.000	34.400	31.500	36.500
37	16'30	25.500	22.900	19.300	15.400	10.300	8.400	5.600	30.500	27.400	33.100
38	17' 0	23.100	17.400	15.400	11.800	8.400	7.000	4.400	26.900	24.000	29.900
39	17'30	20.400	13.700	11.300	9.600	7.200	5.800	3.600	23.700	20.800	26.000
40	18' 0	14.900	12.700	10.200	6.200	6.200	4.900	2.900	21.000	18.300	24.200
41	18'30	17.400	10.800	9.100	7.200	5.700	4.400	2.700	18.900	16.200	21.900
42	19' 0	16.200	9.800	8.400	6.400	4.900	3.800	2.400	16.400	14.200	19.600
43	19'30	15.200	9.100	8.400	6.500	5.500	3.900	2.400	14.600	12.600	17.600
44	24' 0	10.600	4.400	3.000	2.700	1.000	1.500	1.200	5.200	4.300	6.700

TITLE = CASE 4 DATE 85/10/29 TIME 13: 71:43

CH. INDEX		121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 41	126 T= 42	127 T= 43	128 T= 44	129 T= 45	130 T= 46
INITIAL		15.100	15.200	15.100	14.400	14.800	15.800	15.400	15.100	15.100	15.800
FINAL		17.100	18.100	17.700	16.100	21.800	20.400	19.000	18.000	17.400	16.800
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0' 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0' 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	-0.100
3	0' 0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	-0.100	-0.100	-0.100
4	0' 0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	-0.100	-0.100	-0.100
5	0'30	0.600	1.700	0.300	0.200	4.800	3.800	5.000	2.500	1.300	0.500
6	1' 0	2.000	3.200	1.200	0.600	16.400	13.400	20.100	8.800	4.400	1.700
7	1'30	4.200	5.500	2.400	1.800	26.500	22.100	28.700	14.600	8.400	4.200
8	2' 0	5.400	7.500	3.500	2.400	30.400	28.400	35.900	20.700	11.100	5.700
9	2'30	6.700	10.100	4.600	3.100	35.200	33.400	38.300	27.400	14.500	6.600
10	3' 0	7.300	12.000	5.300	3.500	39.200	38.100	41.900	30.800	15.900	7.200
11	3'30	8.500	14.800	6.200	4.000	42.800	41.900	45.300	34.700	19.600	8.500
12	4' 0	9.800	16.500	6.900	4.300	45.700	45.100	47.100	37.700	23.700	9.300
13	4'30	9.800	17.400	7.500	4.500	48.400	48.000	49.000	39.500	26.300	9.400
14	5' 0	9.800	19.100	8.000	4.800	50.800	50.300	51.000	40.900	25.300	9.000
15	5'30	10.300	19.400	8.500	4.700	52.900	52.700	53.400	42.900	26.100	11.000
16	6' 0	10.800	20.700	9.100	5.400	54.500	54.300	55.100	45.700	30.300	11.700
17	6'30	11.500	22.500	9.700	5.400	55.900	55.900	56.200	46.200	31.400	11.700
18	7' 0	12.200	23.700	10.300	6.100	57.400	57.300	57.400	48.100	35.500	12.800
19	7'30	12.300	25.100	10.700	6.400	59.500	58.800	57.700	48.700	34.100	13.400
20	8' 0	14.300	24.800	10.900	6.700	60.800	60.400	60.200	49.000	34.400	13.900
21	8'30	13.700	25.900	11.700	6.900	61.000	61.300	60.500	50.700	37.200	14.700
22	9' 0	13.800	25.700	12.400	7.100	62.500	62.300	60.900	51.000	36.300	13.700
23	9'30	14.000	26.400	12.300	7.100	62.800	63.200	62.400	51.600	35.400	14.400
24	10' 0	13.700	26.500	12.400	7.300	63.400	63.400	62.700	52.400	34.000	14.500
25	10'30	14.200	27.400	12.800	7.400	63.800	64.100	63.100	52.400	35.400	15.400
26	11' 0	13.900	27.300	12.900	7.500	63.300	63.400	61.900	51.200	33.700	14.800
27	11'30	14.100	28.800	13.100	7.700	62.200	63.200	61.100	51.900	37.800	14.000
28	12' 0	14.200	28.900	13.200	7.900	61.500	62.000	59.400	51.100	32.900	13.400
29	12'30	13.400	28.300	12.900	7.200	59.400	59.800	56.900	49.800	32.400	13.800
30	13' 0	14.100	25.800	13.200	7.200	56.800	57.300	53.100	45.700	30.200	13.800
31	13'30	14.000	25.400	13.100	7.100	53.100	53.500	48.600	41.300	29.700	13.900
32	14' 0	13.400	24.700	12.800	7.000	49.100	49.500	45.000	38.000	27.400	13.500
33	14'30	12.900	23.300	12.500	6.600	45.800	46.000	41.100	34.400	23.100	12.300
34	15' 0	13.400	23.100	12.400	6.100	41.700	42.000	37.100	31.000	24.000	13.500
35	15'30	12.400	21.200	12.200	5.400	37.400	37.900	32.900	28.400	23.000	15.000
36	16' 0	12.100	19.400	11.900	5.400	33.500	33.500	27.900	24.400	19.300	11.300
37	16'30	10.300	17.200	10.900	4.800	29.400	29.600	23.400	20.900	17.000	10.900
38	17' 0	9.000	14.700	10.000	4.400	26.300	25.400	19.700	16.300	13.900	8.400
39	17'30	8.900	13.100	9.400	4.200	23.100	22.500	17.400	15.400	13.300	9.000
40	18' 0	8.820	12.300	9.300	3.900	20.400	19.000	13.500	14.200	12.700	8.700
41	18'30	8.100	11.200	8.800	3.600	17.900	17.500	13.900	12.400	9.800	8.100
42	19' 0	7.400	9.900	8.000	3.100	15.800	15.200	11.200	9.000	6.900	6.100
43	19'30	6.400	8.400	7.200	2.900	13.900	13.000	9.400	7.600	5.900	3.900
44	24' 0	2.800	2.400	2.600	1.200	5.800	4.600	3.600	2.900	2.300	1.600

TITLE = CASE 4 DATE 85/10/29 TIME 13: 71:43

CH. INDEX		131 T= 47	132 T= 51	133 T= 52	134 T= 53	135 T= 54	136 T= 61	137 T= 62	138 T= 63	139 T= 64	140 T= 65
INITIAL		14.800	15.800	15.300	15.100	15.100	15.000	15.500	15.000	15.100	15.000
FINAL		16.100	21.200	18.700	17.100	16.700	20.600	19.700	17.700	17.000	16.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0' 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0' 0	0.0	0.0	0.100	0.0	0.0	0.0	0.100	0.200	0.0	0.100
3	0' 0	0.0	-0.100	0.100	0.0	0.0	0.0	0.100	0.300	0.0	0.0
4	0' 0	0.0	-0.100	0.0	-0.100	0.0	-0.100	0.0	0.200	0.0	0.100
5	0'30	0.200	0.600	0.600	0.100	0.0	0.0	0.0	0.300	0.100	0.100
6	1' 0	0.600	20.000	9.500	2.600	0.400	12.200	6.800	7.100	0.600	0.300
7	1'30	2.600	27.900	17.300	4.700	1.100	21.500	15.200	7.100	1.400	0.700
8	2' 0	1.100	32.400	22.700	6.300	1.900	25.600	20.400	12.100	2.300	1.600
9	2'30	1.600	36.500	27.800	7.800	2.800	28.700	24.100	14.000	3.500	2.500
10	3' 0	3.900	39.100	29.000	8.800	3.500	31.400	27.400	16.200	4.100	2.800
11	3'30	4.400	42.000	32.000	10.700	4.800	34.500	29.400	19.400	4.900	3.200
12	4' 0	4.700	44.400	34.200	11.400	4.900	36.300	32.400	22.000	5.000	3.400
13	4'30	4.400	46.300	36.200	11.700	4.900	37.900	34.500	23.400	4.000	3.900
14	5' 0	4.100	47.400	38.000	12.700	5.300	40.700	35.700	25.900	6.400	4.200
15	5'30	5.200	49.400	39.500	12.100	5.500	41.700	37.300	26.100	6.400	4.300
16	6' 0	5.400	51.400	41.100	12.300	5.800	43.100	38.900	27.500	6.700	4.800
17	6'30	6.100	52.900	42.400	13.100	6.200	44.400	40.100	29.500	7.300	4.900
18	7' 0	6.700	54.200	43.800	13.600	6.900	45.800	41.700	29.900	7.400	5.000
19	7'30	6.900	55.600	45.100	13.900	6.900	46.400	42.200	30.400	8.000	5.300
20	8' 0	7.000	56.700	46.400	14.600	7.100	47.700	43.400	31.200	8.100	5.600
21	8'30	6.100	57.800	47.400	14.300	7.300	49.000	44.100	30.800	8.500	5.700
22	9' 0	7.600	57.300	47.000	14.900	7.500	49.300	45.100	30.400	8.800	5.900
23	9'30	7.700	59.100	48.400	15.300	7.700	50.200	46.000	32.700	8.800	6.100
24	10' 0	7.700	59.200	48.400	15.400	7.700	50.200	46.800	32.200	9.200	6.200
25	10'30	7.700	59.500	48.500	15.800	7.700	50.400	46.800	32.100	9.200	6.300
26	11' 0	7.600	59.800	48.300	15.500	8.100	50.200	47.000	31.800	9.000	6.400
27	11'30	7.700	57.900	47.900	14.800	8.000	49.400	46.400	31.000	9.100	6.500
28	12' 0	7.500	57.500	47.300	14.100	8.000	49.400	45.400	30.300	9.000	6.400
29	12'30	7.300	54.100	45.200	13.700	8.000	47.200	44.700	28.600	8.900	6.400
30	13' 0	7.300	51.300	43.300	14.000	7.800	45.400	42.400	27.700	8.700	6.300
31	13'30	7.100	47.900	40.200	15.400	7.800	42.800	40.300	26.400	8.700	6.200
32	14' 0	7.000	43.700	38.000	14.800	7.600	39.500	37.400	25.800	8.500	5.800
33	14'30	6.500	40.400	34.700	15.000	7.500	36.800	34.400	24.500	8.400	5.800
34	15' 0	6.100	37.100	32.700	14.100	7.300	33.700	32.500	22.700	7.800	5.300
35	15'30	5.400	33.400	29.900	15.800	6.900	30.900	30.200	21.000	7.500	4.900
36	16' 0	4.900	29.000	27.200	14.600	6.900	28.000	27.600	20.500	7.000	4.400
37	16'30	4.000	25.100	24.400	14.800	6.600	24.800	24.900	18.500	6.800	4.100
38	17' 0	4.300	22.100	20.800	12.500	5.800	22.300	22.200	16.300	7.000	4.000
39	17'30	4.100	19.200	16.500	11.200	5.300	19.700	19.700	14.600	6.400	3.700
40	18' 0	3.500	16.600	15.800	10.600	5.300	17.000	17.400	13.500	6.400	3.500
41	18'30	2.700	14.500	12.000	7.800	4.800	14.900	15.200	11.700	5.500	3.100
42	19' 0	2.400	12.900	10.000	6.800	4.700	13.000	13.400	10.200	4.800	2.700
43	19'30	2.200	11.500	9.900	5.900	3.500	11.600	11.700	8.600	4.200	2.400
44	24' 0	1.100	5.400	1.400	2.200	1.600	4.800	4.700	2.700	1.900	1.400

TITLE = CASE 4 DATE 85/10/29 TIME 131 7143

CH. INDEX		141 T= 71	142 T= 72	143 T= 73	144 T= 74	145 T= 81	146 T= 82	147 T= 83	148 T= 84	149 T= 85	150 T= 91
INITIAL		15.900	15.300	15.200	15.100	15.700	15.600	15.300	15.500	15.500	15.700
FINAL		20.500	16.300	17.200	16.700	19.900	18.800	17.500	17.100	17.200	19.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	-0.100	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	-0.100
3	01 0	-0.100	0.0	0.0	0.0	0.0	0.100	0.0	0.0	-0.100	-0.100
4	01 0	-0.100	0.0	0.0	-0.100	-0.100	0.0	0.0	0.0	-0.100	0.0
5	0130	-0.200	-0.100	0.0	0.0	-0.100	0.0	0.0	0.0	-0.100	0.0
6	11 0	3.500	1.100	0.100	0.0	-0.100	0.0	0.0	0.0	-0.100	-0.100
7	1130	14.100	5.500	1.300	0.500	6.400	3.400	1.500	0.600	0.0	1.500
8	21 0	20.800	12.700	1.800	1.200	12.100	8.400	5.000	0.900	0.100	5.700
9	2130	23.900	15.700	5.300	2.200	16.000	12.800	7.000	1.800	0.600	9.800
10	31 0	27.300	16.700	6.000	3.000	19.700	16.000	8.000	2.600	0.800	12.800
11	3130	28.700	20.400	7.700	3.800	21.700	18.100	10.800	3.100	1.100	15.200
12	41 0	30.800	23.200	8.700	3.800	23.800	20.500	12.700	3.700	1.500	17.100
13	4130	32.900	25.200	8.900	4.100	25.000	22.700	16.000	4.600	1.800	19.200
14	51 0	34.600	26.500	9.700	4.500	26.900	23.700	18.700	4.700	2.100	21.200
15	5130	35.800	28.800	10.100	4.700	28.600	24.500	18.900	5.000	2.400	22.100
16	61 0	36.700	28.900	10.800	4.900	29.500	25.800	18.200	5.300	2.700	25.000
17	6130	37.700	28.900	11.200	5.400	30.600	27.300	18.500	5.700	2.900	26.000
18	71 0	38.500	31.900	12.500	5.800	32.800	28.400	19.800	6.100	3.100	26.900
19	7130	40.900	32.700	12.100	5.800	32.900	29.400	21.100	6.400	3.300	26.200
20	81 0	41.300	32.800	13.000	6.200	33.600	30.400	21.800	6.900	3.500	27.500
21	8130	42.400	35.400	13.000	6.600	34.500	31.000	21.500	7.000	3.800	28.200
22	91 0	42.900	36.800	13.700	6.800	35.400	32.500	22.300	7.200	3.900	28.800
23	9130	43.000	36.700	13.300	6.900	35.800	32.800	22.400	7.400	4.100	29.500
24	101 0	44.800	35.800	13.500	6.800	36.700	33.800	22.100	7.400	4.200	29.700
25	10130	43.500	35.400	13.900	7.000	37.600	33.900	22.500	7.400	4.300	30.100
26	111 0	45.000	35.700	14.100	6.900	36.900	33.800	22.500	7.900	4.400	30.300
27	11130	44.200	35.900	13.700	7.000	36.700	33.900	21.100	7.800	4.500	30.700
28	121 0	41.700	35.700	13.300	7.100	36.500	33.200	20.900	7.900	4.600	30.400
29	12130	42.700	33.500	12.500	7.100	36.200	32.700	20.500	7.900	4.700	30.300
30	131 0	41.900	32.200	11.900	6.900	36.900	31.400	18.800	7.600	4.600	29.900
31	13130	39.800	31.200	11.700	6.700	34.000	31.200	18.500	7.400	4.700	28.000
32	141 0	38.200	29.300	11.700	6.600	32.200	29.500	18.400	7.500	4.600	27.900
33	14130	34.000	28.000	11.700	6.500	30.100	27.800	17.300	7.100	4.600	26.500
34	151 0	31.500	25.000	10.900	6.300	28.300	26.000	16.700	6.800	4.500	25.200
35	15130	29.500	23.800	10.900	6.000	26.500	24.700	15.500	6.600	4.300	23.300
36	161 0	27.200	22.900	10.000	5.700	24.800	23.500	14.100	6.100	4.200	22.000
37	16130	24.500	20.400	9.500	5.100	22.900	21.700	11.900	5.700	4.000	20.000
38	171 0	21.000	18.900	9.500	4.700	20.800	19.000	12.000	5.500	3.700	19.200
39	17130	19.500	17.200	9.100	4.500	18.900	17.600	11.100	5.000	3.500	17.500
40	181 0	17.900	15.300	9.400	4.200	16.800	16.700	10.200	4.700	3.300	16.000
41	18130	15.400	13.500	9.000	4.100	14.900	14.900	9.700	4.600	3.100	14.800
42	191 0	13.500	12.100	8.000	3.800	13.700	13.000	9.000	4.300	2.900	13.100
43	19130	11.800	10.000	6.700	3.200	11.100	11.300	8.000	4.200	2.800	11.700
44	201 0	4.800	3.000	2.000	1.600	3.800	3.200	2.200	1.800	1.700	3.000

TITLE = CASE 4 DATE 85/10/29 TIME 131 7143

CH. INDEX		151 T= 92	152 T= 93	153 T= 94	154 T=101	155 T=102	156 T=103	157 T=104	158 T=105	159 T=111	160 T=112
INITIAL		15.500	15.600	15.500	15.900	15.600	15.400	15.500	15.500	15.800	15.400
FINAL		18.600	17.300	16.900	19.600	18.800	17.600	17.100	16.900	19.200	18.500
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	-0.100	0.0	0.0	0.0	-0.100	0.0	0.0	-0.100	0.0	0.100
3	01 0	0.0	0.0	-0.100	0.0	-0.200	0.0	-0.100	-0.100	-0.100	0.0
4	01 0	0.0	-0.100	-0.100	-0.100	-0.100	0.0	-0.100	-0.100	-0.100	0.0
5	0130	0.0	0.0	-0.100	0.0	-0.100	0.0	0.0	-0.100	0.0	0.100
6	11 0	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	-0.100	0.0	0.100
7	1130	0.700	0.100	0.0	-0.100	0.0	0.0	0.0	-0.100	0.0	0.0
8	21 0	2.900	0.900	0.300	2.700	1.800	1.000	0.100	0.0	0.500	0.300
9	2130	6.700	1.800	0.800	6.000	4.800	2.700	0.600	0.200	3.400	1.800
10	31 0	9.700	3.000	1.500	6.500	7.200	4.300	1.100	0.500	5.900	4.000
11	3130	10.800	4.100	2.300	11.500	9.400	6.200	1.800	1.000	8.400	5.800
12	41 0	12.200	4.800	2.700	15.600	11.100	6.500	2.500	1.400	10.200	7.500
13	4130	14.500	5.500	3.300	15.900	12.800	7.900	5.000	2.100	11.800	8.500
14	51 0	15.900	6.200	1.700	17.000	14.700	6.700	5.500	2.400	13.100	9.900
15	5130	17.100	6.800	4.000	18.100	16.100	10.500	5.900	2.800	14.500	10.800
16	61 0	17.800	7.000	4.200	18.900	16.800	11.000	4.200	3.000	15.500	11.500
17	6130	18.100	7.900	4.500	19.800	17.600	11.700	4.400	3.300	16.000	11.900
18	71 0	19.000	8.200	4.900	20.600	18.700	12.400	4.800	3.600	16.500	12.600
19	7130	20.600	8.500	5.000	21.800	19.700	13.900	5.100	3.800	17.500	13.200
20	81 0	21.300	8.900	5.400	22.700	21.800	14.700	5.400	3.900	18.700	14.200
21	8130	21.900	9.400	5.700	23.900	21.300	15.700	5.800	4.200	19.400	14.800
22	91 0	22.400	9.600	5.900	24.200	21.900	15.400	6.000	4.300	20.000	15.400
23	9130	22.800	9.800	6.300	24.600	22.600	16.000	6.200	4.400	20.400	15.800
24	101 0	23.000	9.500	6.200	25.200	23.000	16.100	6.500	4.600	20.800	16.000
25	10130	23.500	9.700	6.200	25.400	23.100	15.300	6.300	4.700	21.200	16.000
26	111 0	23.300	9.900	6.600	25.400	23.400	15.300	6.500	4.800	21.400	16.400
27	11130	23.500	9.400	6.400	25.500	23.700	14.900	6.500	4.800	21.500	16.400
28	121 0	23.800	10.100	6.800	25.900	23.600	14.700	6.700	5.000	21.400	16.500
29	12130	23.400	10.000	6.500	25.900	23.400	14.500	6.900	5.000	21.400	16.400
30	131 0	22.400	9.500	6.500	25.400	23.100	13.500	6.600	5.100	21.200	16.000
31	13130	21.900	9.300	6.500	24.800	22.400	12.500	6.500	5.000	21.000	16.200
32	141 0	20.800	8.800	6.400	24.000	21.700	12.900	6.500	5.000	20.200	15.700
33	14130	20.500	8.500	6.000	23.200	21.100	11.400	6.300	4.900	19.800	15.200
34	151 0	18.000	8.600	5.900	22.500	20.300	11.100	6.100	4.900	19.100	14.800
35	15130	18.300	8.100	5.600	21.100	18.800	10.500	6.000	4.700	18.700	13.900
36	161 0	17.200	7.800	5.300	20.800	18.000	10.100	5.700	4.500	17.100	13.300
37	16130	16.000	7.300	4.800	18.800	17.000	9.900	5.400	4.300	16.200	12.700
38	171 0	14.800	6.900	4.500	17.900	16.200	9.500	5.100	3.900	15.400	11.800
39	17130	13.500	6.400	4.100	16.500	15.100	8.900	4.700	3.700	14.500	11.300
40	181 0	12.800	5.900	3.700	15.200	14.200	8.100	4.400	3.600	13.500	10.000
41	18130	11.600	5.800	3.600	14.000	13.300	7.400	4.200	3.100	12.700	9.800
42	191 0	10.300	5.600	3.100	12.700	11.800	7.100	3.800	2.900	11.900	9.100
43	19130	9.000	4.800	2.900	11.900	10.400	6.500	3.900	2.500	10.800	8.500
44	201 0	2.900	1.900	1.400	3.700	3.200	2.200	1.600	1.400	3.400	2.900

TITLE = CASE 4 DATE 85/10/29 TIME 131 7143

CH. INDEX		161 T=113	162 T=114	163 T=121	164 T=122	165 T=123	166 T=124	167 T=125	168 T=131	169 T=132	170 T=133
INITIAL		15.500	15.300	15.800	15.500	15.500	15.600	15.700	15.700	15.600	15.500
FINAL		17.200	17.000	19.200	18.100	17.600	17.100	17.000	19.900	18.300	17.700
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	-0.100	0.0	0.0	0.0	-0.200	0.0	-0.100	0.100
3	01 0	0.0	0.0	0.0	0.100	0.0	-0.100	-0.200	0.0	-0.100	0.0
4	01 0	-0.100	-0.100	-0.100	0.0	-0.100	-0.100	-0.200	0.0	-0.100	0.0
5	0130	0.0	-0.100	0.0	0.100	-0.100	-0.100	-0.200	0.0	-0.100	0.0
6	11 0	0.0	0.0	0.0	0.100	-0.100	-0.100	-0.200	0.100	-0.100	0.0
7	1130	0.0	0.0	0.0	0.0	0.0	-0.100	-0.200	0.100	0.0	-0.100
8	21 0	0.0	0.0	0.0	0.0	-0.100	0.0	-0.200	0.100	-0.100	0.0
9	2130	0.700	0.200	1.100	0.700	0.300	0.100	-0.200	0.100	0.0	0.0
10	31 0	1.500	0.500	3.800	2.100	1.200	0.400	0.0	2.700	0.700	0.300
11	3130	2.100	1.000	5.900	4.100	2.400	1.100	0.300	4.100	2.200	0.800
12	41 0	2.900	1.000	7.700	5.000	3.500	1.600	0.500	5.300	3.700	1.400
13	4130	3.900	2.200	8.500	7.000	4.700	2.300	0.900	6.900	4.900	2.300
14	51 0	4.000	2.000	10.100	7.400	5.600	2.900	1.500	7.000	5.900	2.900
15	5130	4.400	3.000	11.300	8.800	6.100	3.100	1.800	8.800	6.800	3.400
16	61 0	4.600	3.300	12.200	9.300	6.700	3.700	2.300	9.300	7.400	3.700
17	6130	4.800	3.400	12.600	10.800	7.100	3.900	2.500	10.100	7.900	4.100
18	71 0	5.000	3.800	13.200	10.300	7.600	4.200	2.900	10.600	8.300	4.200
19	7130	6.000	4.100	13.800	11.100	8.300	4.400	3.000	11.200	8.900	4.400
20	81 0	6.900	4.300	15.000	11.700	9.200	4.900	3.400	12.100	9.500	5.300
21	8130	7.000	4.500	16.000	12.400	10.000	5.300	3.600	13.000	9.900	5.600
22	91 0	7.300	4.800	16.900	13.000	10.600	5.800	3.700	13.600	10.500	6.000
23	9130	7.400	5.000	16.900	13.400	10.800	5.900	3.900	13.900	11.100	6.500
24	101 0	7.900	5.200	17.300	13.700	11.200	6.000	4.000	14.200	11.400	6.800
25	10130	7.400	5.400	17.700	14.100	11.500	6.200	4.100	14.400	11.800	7.100
26	111 0	7.300	5.300	17.300	14.100	11.100	6.100	4.300	14.700	11.700	6.900
27	11130	7.000	5.200	17.800	14.200	10.700	6.100	4.400	14.900	11.800	7.000
28	121 0	7.600	5.500	17.800	14.100	10.400	6.000	4.400	14.700	12.000	7.000
29	12130	7.500	5.800	17.600	14.100	10.300	6.300	4.500	14.600	11.800	6.700
30	131 0	7.400	5.800	17.700	13.800	10.000	6.600	4.400	15.000	11.700	6.800
31	13130	7.400	5.500	17.400	13.900	9.800	6.300	4.600	14.000	11.400	6.900
32	141 0	7.600	5.500	16.800	13.200	9.400	6.200	4.700	14.400	11.500	6.700
33	14130	6.900	5.400	16.900	13.200	9.300	6.100	4.600	14.100	11.200	6.700
34	151 0	6.600	5.300	15.700	12.000	8.900	6.000	4.600	13.000	10.900	6.300
35	15130	6.000	5.100	15.600	12.100	8.100	5.900	4.500	13.300	10.500	6.200
36	161 0	6.200	4.800	14.700	11.700	8.100	5.500	4.400	12.800	10.100	6.000
37	16130	6.200	4.700	13.900	11.100	7.500	5.000	4.300	12.300	9.600	5.700
38	171 0	5.900	4.500	13.600	10.500	7.100	4.800	3.900	12.000	9.000	5.100
39	17130	5.200	4.100	12.700	9.700	6.900	4.800	3.700	11.000	8.800	5.100
40	181 0	4.900	3.700	11.900	9.300	6.000	4.000	3.400	11.000	8.300	4.900
41	18130	4.600	4.000	11.500	8.500	6.500	4.400	3.200	10.400	8.000	4.800
42	191 0	4.900	3.200	10.600	8.100	6.200	3.900	3.000	9.700	7.700	4.600
43	19130	4.200	2.900	9.800	7.600	5.400	3.500	2.700	9.200	7.000	4.300
44	201 0	1.700	1.500	3.400	2.000	2.100	1.500	1.300	3.400	2.700	1.700

TITLE = CASE 4 DATE 85/10/29 TIME 131 7143

CH. INDEX		171 T=134	172 T=141	173 T=151	201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31
INITIAL		15.600	16.900	10.100	0.149	0.155	0.156	0.163	0.166	0.163	0.149
FINAL		17.000	21.100	10.100	0.127	0.133	0.145	0.156	0.161	0.161	0.136
LOOP	TIME	(C)	(C)	(C)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	0.0	0.0	0.0	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	0.200	0.0	0.0	100.307	100.019	99.987	100.000	99.969	99.965	100.020
3	01 0	0.100	0.0	0.0	100.013	99.987	100.071	100.029	100.073	100.059	100.020
4	01 0	0.100	0.0	0.0	99.892	99.981	99.866	99.851	100.018	100.057	99.973
5	0130	0.0	0.100	0.0	99.127	99.696	99.665	100.000	99.982	100.049	97.806
6	11 0	0.100	0.100	0.0	99.805	99.625	99.935	99.756	99.988	100.080	99.411
7	1130	-0.200	0.200	0.0	100.262	100.659	100.058	99.451	100.075	100.111	100.271
8	21 0	-0.100	1.400	0.0	100.591	100.330	100.279	99.787	99.823	100.074	101.818
9	2130	-0.200	3.000	0.0	100.066	100.666	100.512	100.069	100.098	99.988	101.926
10	31 0	0.200	4.200	0.0	93.880	98.858	100.540	100.074	100.087	99.937	101.961
11	3130	0.200	5.200	0.0	87.295	86.850	95.963	93.817	96.065	97.576	95.077
12	41 0	0.500	6.200	0.0	87.616	86.852	96.282	88.722	95.695	96.280	88.386
13	4130	1.200	7.000	0.0	91.678	96.872	95.818	92.102	96.561	95.210	92.578
14	51 0	1.400	7.400	0.0	91.799	90.899	96.096	93.120	86.951	95.382	93.042
15	5130	1.900	8.500	0.0	93.967	96.966	96.565	91.910	94.506	95.261	96.765
16	61 0	2.000	9.200	0.0	92.678	92.256	97.017	91.868	92.856	95.956	99.175
17	6130	2.800	9.400	0.0	91.511	91.615	96.758	93.685	94.335	95.570	95.581
18	71 0	2.900	13.300	0.0	82.901	81.060	91.927	87.899	91.888	93.815	87.908
19	7130	3.300	16.400	0.0	82.129	81.351	91.162	81.808	86.201	91.490	83.018
20	81 0	3.500	11.100	0.0	86.508	87.582	95.072	98.812	90.970	96.226	92.016
21	8130	4.100	11.500	0.0	89.207	88.507	95.331	92.628	96.768	95.918	93.219
22	91 0	4.000	11.900	0.0	87.820	87.366	95.607	92.305	95.590	93.282	93.761
23	9130	4.800	12.500	0.0	76.696	77.182	90.520	85.865	90.866	91.987	88.523
24	101 0	4.900	12.500	0.0	77.718	72.527	87.557	80.862	88.099	90.611	81.511
25	10130	4.500	13.000	0.0	75.027	75.727	88.529	81.863	88.573	92.720	80.407
26	111 0	4.700	13.200	0.0	79.065	79.011	91.886	86.107	90.136	92.062	82.890
27	11130	4.800	13.400	0.0	81.254	80.892	92.199	88.866	91.439	91.789	88.158
28	121 0	4.700	13.500	0.0	79.723	79.776	91.829	88.329	89.877	92.177	86.498
29	12130	4.900	13.400	0.0	78.682	79.887	90.885	88.666	90.712	92.939	86.829
30	131 0	4.900	13.500	0.0	79.146	79.573	91.311	88.666	90.336	97.455	86.565
31	13130	5.000	13.300	0.0	81.570	87.269	92.065	89.577	92.518	97.388	88.599
32	141 0	4.800	13.000	0.0	88.789	87.688	95.767	96.888	97.865	96.317	91.916
33	14130	5.100	12.800	0.0	86.970	87.869	95.228	95.818	97.933	97.516	93.914
34	151 0	4.900	12.240	0.0	86.870	86.022	95.216	95.692	98.006	97.731	93.827
35	15130	5.000	11.600	0.0	86.970	88.125	95.149	95.876	98.260	98.176	93.661
36	161 0	4.800	11.000	0.0	86.988	88.209	95.111	96.153	98.776	98.705	93.576
37	16130	4.600	10.800	0.0	86.910	86.166	96.920	96.103	98.709	98.850	93.667
38	171 0	4.200	9.800	0.0	86.729	86.028	96.866	96.062	98.919	98.985	93.286
39	17130	3.900	9.200	0.0	86.728	87.880	96.709	96.017	99.018	99.135	93.805
40	181 0	3.700	8.800	0.0	86.816	87.765	96.516	95.805	98.990	99.166	92.797
41	18130	3.800	8.100	0.0	86.927	87.660	96.281	95.778	98.915	99.191	92.585
42	191 0	3.500	7.500	0.0	86.820	87.565	96.056	95.662	98.866	99.145	92.295
43	19130	1.300	7.100	0.0	86.299	87.395	95.866	95.538	98.709	99.100	92.061
44	201 0	1.800	4.200	0.0	85.669	85.736	92.517	96.420	98.882	98.807	89.892

TITLE = CASE 4 DATE 05/10/79 TIME 131 7143

CH. INDEX		208 S= 32	209 S= 33	210 S= 34	211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 45	217 S= 51
INITIAL		0.151	0.153	0.158	0.163	0.156	0.159	0.156	0.168	0.165	0.158
FINAL		0.142	0.142	0.149	0.161	0.143	0.147	0.148	0.166	0.163	0.138
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	100.007	99.987	100.012	99.969	100.026	100.051	100.006	99.980	99.786	99.969
3	01 0	100.011	100.052	100.000	100.069	100.000	100.038	100.019	100.036	100.187	100.097
4	01 0	100.011	100.033	100.012	100.012	100.011	100.013	100.026	100.016	100.119	100.037
5	0130	99.870	99.813	99.873	100.000	99.966	99.726	99.969	100.000	100.210	99.981
6	11 0	99.784	99.787	99.987	100.000	99.955	99.831	100.000	100.020	100.114	99.868
7	1130	99.721	99.570	99.881	100.055	100.038	99.994	99.962	100.067	100.114	99.905
8	21 0	99.927	99.817	99.962	100.018	100.090	100.011	100.013	100.020	100.496	99.818
9	2130	99.967	100.007	99.806	100.063	100.109	100.157	100.058	100.061	99.861	99.728
10	31 0	100.000	100.156	99.868	100.025	100.120	100.238	100.083	100.061	99.863	99.558
11	3130	90.839	97.049	98.273	98.982	95.861	96.225	99.878	100.067	99.813	99.261
12	41 0	79.610	90.882	90.026	98.236	88.760	86.915	93.569	96.988	97.805	92.313
13	4130	88.416	91.719	89.180	98.698	91.811	89.096	91.098	95.097	97.866	88.510
14	51 0	88.396	93.915	91.162	98.978	92.715	91.120	93.858	96.671	95.571	98.611
15	5130	89.145	96.275	91.990	96.870	93.668	91.099	96.130	95.096	96.801	91.962
16	61 0	90.693	98.851	92.610	98.123	93.260	92.131	96.561	96.235	95.767	91.883
17	6130	90.859	95.159	93.572	98.751	93.990	91.136	95.085	96.851	96.170	92.803
18	71 0	86.798	89.980	92.798	95.508	90.370	89.776	95.156	93.870	96.265	91.659
19	7130	72.518	65.628	88.818	92.909	88.271	81.991	90.266	92.225	96.316	86.798
20	81 0	85.802	87.869	82.294	93.868	85.893	82.569	85.025	85.383	93.687	81.888
21	8130	88.028	92.993	90.111	95.982	91.096	89.673	91.868	88.619	96.168	89.212
22	91 0	88.853	91.118	91.365	96.758	91.545	90.566	93.963	96.591	95.985	88.586
23	9130	78.720	92.158	90.869	96.719	90.168	89.573	95.366	91.813	96.862	88.766
24	101 0	71.576	86.966	81.197	92.517	81.279	88.262	87.118	91.593	96.668	85.015
25	10130	70.715	82.881	79.676	91.799	80.872	77.160	85.118	86.291	92.648	76.965
26	111 0	76.269	85.478	80.919	93.283	81.087	78.070	86.628	86.210	93.777	77.590
27	11130	83.595	88.883	85.345	93.860	85.213	82.921	88.030	87.861	91.705	79.867
28	121 0	82.121	89.813	87.075	93.001	87.212	85.963	90.413	92.656	93.058	82.527
29	12130	81.605	88.968	87.178	93.265	86.238	85.171	89.633	91.211	93.795	82.585
30	131 0	82.227	88.876	87.802	93.799	86.243	86.582	89.319	91.580	93.493	81.757
31	13130	82.916	89.868	88.028	94.989	88.969	85.017	90.677	91.995	94.745	82.989
32	141 0	89.900	91.596	89.801	95.856	88.769	87.962	90.686	92.699	94.297	87.867
33	14130	91.580	94.495	94.861	97.522	92.090	92.589	95.060	96.507	97.127	85.168
34	151 0	94.219	96.762	95.255	98.088	93.285	93.892	95.761	97.865	97.790	87.116
35	15130	96.551	96.760	95.813	98.599	93.298	93.862	95.987	97.754	98.111	87.469
36	161 0	96.697	96.760	95.881	98.795	93.569	93.726	96.015	98.070	98.510	87.168
37	16130	96.702	96.606	95.828	98.920	93.569	93.869	96.167	98.201	98.786	87.572
38	171 0	96.082	96.697	93.861	99.000	93.267	93.865	96.105	98.269	98.859	87.259
39	17130	96.730	96.501	95.568	99.161	93.170	93.780	96.085	98.458	99.190	87.278
40	181 0	96.765	96.906	95.886	99.161	93.036	93.899	96.032	98.868	99.383	87.202
41	18130	96.663	96.267	95.175	99.111	92.916	93.536	95.910	98.610	99.177	87.190
42	191 0	96.611	96.074	95.268	99.060	92.836	95.391	95.860	98.342	99.388	87.127
43	19130	96.509	93.908	95.167	99.043	92.741	93.257	95.751	98.275	99.190	87.089
44	201 0	93.507	96.866	91.898	96.798	91.596	92.056	96.786	97.733	98.788	87.183

TITLE = CASE 4 DATE 05/10/79 TIME 131 7143

CH. INDEX		218 S= 52	219 S= 53	220 S= 54	221 S= 61	222 S= 62	223 S= 63	224 S= 64	225 S= 71	226 S= 72	227 S= 81
INITIAL		0.161	0.166	0.157	0.156	0.162	0.156	0.158	0.157	0.157	0.159
FINAL		0.138	0.153	0.152	0.136	0.145	0.140	0.155	0.138	0.153	0.143
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	97.078	99.996	99.910	99.987	100.000	99.883	100.006	99.987	100.006	100.006
3	01 0	100.145	100.036	100.166	100.033	100.061	100.202	100.035	100.006	100.019	100.026
4	01 0	100.110	100.000	100.155	100.026	100.050	100.165	100.025	100.000	100.019	100.010
5	0130	100.110	100.012	100.225	100.013	100.082	100.261	100.051	100.000	100.032	100.066
6	11 0	99.719	100.030	100.255	99.999	100.050	100.319	100.057	99.886	100.057	100.097
7	1130	99.613	100.026	100.132	99.876	100.067	100.365	100.063	99.777	100.066	100.025
8	21 0	99.961	99.962	100.210	99.050	100.017	100.169	100.069	99.701	100.057	99.967
9	2130	99.672	99.882	99.836	99.751	99.752	99.760	100.013	99.669	100.038	99.918
10	31 0	99.367	99.910	99.761	99.816	99.776	99.537	99.996	99.668	100.038	99.876
11	3130	99.162	99.762	99.795	99.699	99.672	99.577	100.000	99.698	100.030	99.768
12	41 0	95.721	98.963	98.986	96.159	98.810	99.609	99.962	99.091	100.019	99.654
13	4130	91.687	98.569	97.613	88.511	88.957	92.566	99.602	92.729	97.393	98.261
14	51 0	85.657	96.132	97.132	83.875	86.808	86.869	98.907	81.639	95.057	86.091
15	5130	88.269	91.958	97.296	86.969	87.076	86.837	98.876	86.669	96.731	86.127
16	61 0	88.312	96.695	96.679	87.867	89.061	89.613	98.527	88.205	99.169	87.900
17	6130	89.053	96.560	96.688	88.172	89.176	89.197	98.209	86.808	96.827	88.617
18	71 0	89.357	96.763	96.981	88.815	90.287	89.867	98.552	87.829	96.560	88.406
19	7130	88.018	93.698	96.830	85.196	88.776	89.581	98.319	87.998	96.976	90.108
20	81 0	77.457	89.622	96.926	76.975	80.136	82.219	97.752	78.889	93.065	88.567
21	8130	77.865	88.310	96.926	75.156	76.561	79.937	97.159	72.163	91.787	81.150
22	91 0	88.910	91.867	99.087	82.216	88.655	82.168	97.707	77.971	90.910	76.187
23	9130	85.701	92.208	95.286	86.701	86.789	85.816	97.770	83.981	93.657	83.689
24	101 0	81.687	91.978	96.908	89.511	86.587	87.389	97.638	81.886	97.865	86.519
25	10130	78.625	87.885	91.860	79.998	79.086	78.769	97.063	75.288	91.668	85.909
26	111 0	71.858	85.812	91.786	80.058	72.216	76.561	98.862	65.586	88.837	75.016
27	11130	72.318	88.511	91.000	80.990	71.572	71.722	98.756	67.361	89.670	70.617
28	121 0	76.541	88.967	93.898	73.885	77.585	76.763	96.678	69.667	90.181	72.960
29	12130	76.821	89.363	93.088	77.560	81.069	79.761	98.021	75.370	90.557	76.030
30	131 0	77.352	88.789	93.911	76.253	81.038	79.318	96.356	76.572	89.710	89.069
31	13130	77.030	88.288	96.077	76.861	79.968	81.950	96.672	76.871	90.966	81.319
32	141 0	78.500	80.523	96.161	77.867	80.555	81.076	96.756	77.176	91.569	79.060
33	14130	82.361	89.099	96.067	78.082	82.232	83.663	97.063	77.786	91.600	80.709
34	151 0	85.571	92.102	96.166	83.671	87.080	88.105	97.505	80.636	91.357	82.128
35	15130	88.169	92.282	96.836	88.617	88.201	90.329	97.961	88.065	95.082	86.161
36	161 0	88.988	92.288	96.926	88.886	89.657	90.960	98.112	87.609	96.110	88.900
37	16130	86.019	92.236	97.086	88.982	89.785	91.086	98.282	87.689	96.770	89.801
38	171 0	85.980	92.312	97.109	87.061	89.889	91.160	98.301	87.819	97.066	89.966
39	17130	86.130	92.276	97.116	87.197	89.872	91.596	98.396	87.859	97.508	90.086
40	181 0	86.267	92.210	97.479	87.255	89.950	91.565	98.636	87.868	97.455	90.160
41	18130	86.271	92.158	97.671	87.216	89.872	91.687	98.668	87.950	97.550	90.161
42	191 0	86.296	91.996	97.621	87.269	89.872	91.506	98.634	87.920	97.557	90.127
43	19130	86.010	91.972	97.173	87.210	89.066	91.220	98.383	87.927	97.557	90.078
44	201 0	85.962	92.167	96.836	87.067	89.717	90.771	98.213	87.927	97.280	89.788

TITLE = CASE 4 DATE 05/10/79 TIME 131 7143

CH. INDEX		228 S= 82	229 S= 83	230 S= 91	231 S= 92	232 S=101	233 S=102	234 S=103	235 S=111	236 S=112	237 S=121
INITIAL		0.158	0.157	0.160	0.157	0.152	0.159	0.160	0.158	0.156	0.167
FINAL		0.148	0.155	0.144	0.155	0.146	0.151	0.150	0.151	0.151	0.135
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	100.000	99.996	100.000	99.981	100.020	99.996	100.006	99.987	100.000	100.000
3	01 0	100.012	100.075	100.013	100.000	100.013	100.038	100.063	100.037	100.065	100.031
4	01 0	100.025	100.019	100.013	99.968	100.039	100.032	100.050	100.013	100.045	100.031
5	0130	100.038	100.032	100.019	99.999	100.053	100.050	100.080	100.044	100.050	100.051
6	11 0	100.051	100.038	100.025	99.987	100.019	100.069	100.094	100.063	100.077	100.056
7	1130	100.057	100.051	100.013	100.019	100.020	100.087	100.119	100.095	100.103	100.068
8	21 0	100.012	100.038	100.006	99.996	100.026	100.069	100.119	100.044	100.086	100.062
9	2130	99.949	100.006	99.950	99.906	99.956	100.013	100.069	99.987	100.076	100.075
10	31 0	99.810	100.000	99.896	99.955	99.967	99.994	100.081	99.937	100.032	100.025
11	3130	99.029	100.006	99.787	99.001	99.481	99.996	100.006	99.996	100.052	100.012
12	41 0	99.002	99.999	99.725	99.987	99.862	99.937	100.106	99.950	100.039	99.988
13	4130	99.669	99.981	99.575	99.960	99.888	99.805	100.113	99.931	100.032	99.957
14	51 0	95.822	98.990	97.156	99.805	99.616	99.058	100.096	99.836	100.000	99.901
15	5130	89.519	98.622	91.861	99.002	91.681	95.665	98.968	97.937	99.152	99.759
16	61 0	90.691	98.562	90.811	99.603	87.601	91.179	98.697	90.816	97.371	96.370
17	6130	91.671	97.920	91.905	99.631	88.218	90.216	99.615	86.367	96.609	90.650
18	71 0	90.090	97.512	93.018	99.599	88.271	91.167	98.196	88.019	96.658	88.550
19	7130	91.692	97.525	93.512	99.510	87.000	91.091	97.651	89.615	96.227	89.796
20	81 0	89.511	97.576	93.118	99.529	89.331	91.926	97.319	88.336	95.514	88.761
21	8130	88.706	96.869	88.992	99.396	89.037	91.557	97.037	91.803	95.379	91.367
22	91 0	77.970	96.165	85.862	99.261	86.480	89.201	96.567	88.776	95.870	91.255
23	9130	88.019	98.710	87.887	99.257	76.289	77.276	96.129	80.116	95.225	88.077
24	101 0	88.097	98.718	90.030	99.370	81.962	86.087	96.116	76.658	97.225	80.671
25	10130	89.962	96.308	90.909	99.263	87.696	90.089	96.268	81.926	96.196	83.116
26	111 0	86.130	95.915	80.026	99.127	80.099	89.075	95.055	87.817	96.055	83.856
27	11130	81.869	95.326	80.506	99.057	83.269	87.980	95.690	88.101	93.067	87.361
28	121 0	79.140	95.881	80.891	98.912	72.895	80.179	95.666	77.186	97.653	88.050
29	12130	82.695	95.669	82.968	98.966	78.750	83.613	96.907	74.776	97.352	82.718
30	131 0	88.810	95.089	85.062	98.980	73.343	85.087	95.166	72.795	92.846	77.969
31	13130	85.116	96.610	86.667	98.766	82.926	86.599	96.676	82.202	91.976	81.240
32	141 0	80.271	95.512	87.656	98.817	86.716	86.265	93.826	81.926	98.699	82.143
33	14130	87.231	95.899	87.121	98.862	86.742	87.348	96.101	83.550	91.690	87.277
34	151 0	87.175	96.966	86.992	98.785	86.699	86.629	96.926	86.650	91.753	85.186
35	15130	89.619	96.323	87.968	98.807	87.076	89.235	95.606	86.280	93.058	87.617
36	161 0	95.167	97.865	91.086	98.976	89.390	90.510	96.135	86.587	93.577	89.423
37	16130	95.901	97.861	91.755	98.926	96.010	96.210	95.677	90.616	96.517	90.951
38	171 0	93.821	98.321	91.655	98.966	96.086	96.336	97.062	93.037	96.581	93.000
39	17130	93.985	98.561	91.876	98.950	95.235	96.901	97.289	96.662	96.601	96.676
40	181 0	96.017	98.728	91.899	98.912	95.585	95.217	98.678	96.991	97.069	95.083
41	18130	96.055	98.806	91.861	98.880	95.807	95.350	98.967	95.261	97.821	95.909
42	191 0	96.062	98.888	91.816	98.055	95.952	95.502	98.710	95.319	98.052	95.713
43	19130	93.965	98.861	91.761	98.010	96.010	95.566	98.707	95.665	98.155	95.720
44	201 0	93.733	98.719	91.930	98.673	95.827	95.620	98.666	95.338	98.220	95.862

TITLE = CASE 4 DATE 05/10/79 TIME 131 7143

CH. INDEX		238 S=122	239 S=123	240 S=131
INITIAL		0.157	0.159	0.158
FINAL		0.152	0.157	0.159
LOOP	TIME	(%)	(%)	(%)
1	01 0	100.000	100.000	100.008
2	01 0	100.000	99.996	100.013
3	01 0	100.000	100.025	100.108
4	01 0	100.026	100.016	100.101
5	0130	100.011	100.032	100.140
6	11 0	100.011	100.050	100.186
7	1130	100.000	100.063	100.247
8	21 0	100.019	100.050	100.222
9	2130	100.019	100.013	100.197
10	31 0	100.032	100.000	100.205
11	3130	100.026	100.013	99.619
12	41 0	100.013	100.019	99.201
13	4130	99.907	100.025	98.116
14	51 0	99.949	100.013	96.069
15	5130	99.917	100.006	92.251
16	61 0	99.007	99.993	90.411
17	6130	98.309	99.507	88.377
18	71 0	96.930	99.276	87.119
19	7130	92.076	99.262	86.367
20	81 0	92.051	98.999	86.253
21	8130	98.274	98.928	82.572
22	91 0	98.725	98.765	79.566
23	9130	92.921	98.707	77.926
24	101 0	88.869	98.617	76.699
25	10130	87.333	98.285	75.689
26	111 0	92.002	98.260	76.198
27	11130	93.173	98.107	71.753
28	121 0	92.920	97.969	69.721
29	12130	90.056	97.759	68.341
30	131 0	89.929	97.760	69.983
31	13130	87.850	97.809	69.920
32	141 0	89.291	97.527	71.277
33	14130	91.107	97.306	72.983
34	151 0	92.102	97.016	76.627
35	15130	93.327	97.003	76.993
36	161 0	96.020	97.470	79.725
37	16130	93.186	97.867	82.813
38	171 0	95.083	98.250	85.350
39	17130	96.967	98.417	87.606
40	181 0	96.961	98.196	90.726
41	18130	97.117	98.526	91.607
42	191 0	97.116	98.921	93.617
43	19130	97.277	99.007	96.657
44	201 0	97.219	99.007	100.660

実験No.17 TITLE = CASE 7 (B) DATE 86/10/20 TIME 15136142

CH. INDEX		101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		17.300	18.300	18.000	18.000	17.900	17.900	17.900	17.900	18.000	18.300
FINAL		18.000	18.400	17.800	17.700	17.700	17.800	17.800	17.800	17.900	18.200
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.300
3	01 0	0.0	0.0	0.100	0.100	0.0	0.0	0.0	0.0	-0.100	-0.100
4	01 0	0.0	-0.100	0.0	0.0	0.0	0.100	0.100	0.100	0.0	0.0
5	01 0	0.133	0.200	0.100	0.0	0.0	0.0	0.100	0.0	0.0	0.100
6	0130	1.100	0.100	3.000	2.000	2.000	2.200	1.700	1.900	1.200	1.700
7	11 0	2.000	6.200	6.000	3.100	2.000	1.980	1.000	0.900	0.800	5.000
8	1130	2.000	7.700	5.000	6.300	3.100	2.600	1.000	1.600	1.000	6.500
9	21 0	3.600	8.000	6.100	6.000	3.003	3.000	2.000	2.000	1.500	7.000
10	2130	6.300	8.900	7.600	5.800	6.600	3.600	2.900	2.309	1.600	7.700
11	31 0	6.909	9.400	7.200	5.500	6.700	3.500	2.600	2.100	1.700	8.200
12	3130	5.200	10.300	8.200	6.300	5.800	4.400	3.400	3.200	2.900	9.800
13	41 0	5.303	9.800	7.600	5.265	3.800	3.300	2.500	2.000	1.300	9.000
14	4130	5.700	10.900	8.900	6.400	3.100	2.600	2.200	1.990	1.700	10.100
15	51 0	6.500	10.200	8.000	5.600	6.130	3.800	2.300	2.000	1.600	10.400
16	5130	6.500	10.900	8.800	5.700	6.500	3.600	2.800	2.600	1.600	11.000
17	61 0	6.700	11.000	9.800	7.503	5.100	3.500	2.700	2.000	1.200	10.400
18	6130	7.200	11.100	9.600	6.003	5.200	4.200	3.000	2.600	1.500	11.000
19	71 0	7.300	11.700	9.500	7.030	6.130	3.600	3.000	2.700	1.900	10.800
20	7130	7.000	11.900	9.600	7.500	6.600	5.900	3.800	3.200	2.500	11.500
21	81 0	7.900	12.100	9.600	7.200	5.000	6.600	3.500	3.500	2.000	11.300
22	8130	8.100	11.800	8.700	6.100	6.700	6.800	3.100	2.089	2.100	11.700
23	91 0	7.000	13.000	11.300	6.900	7.900	6.200	4.000	3.700	2.500	11.500
24	9130	8.700	12.900	9.309	6.600	6.900	3.800	3.200	2.600	1.800	13.000
25	101 0	8.600	12.600	9.100	7.900	5.600	6.700	3.800	3.100	2.200	13.000
26	10130	8.700	12.600	9.700	7.000	6.100	6.200	2.800	2.200	1.600	12.000
27	111 0	8.800	14.100	12.000	6.000	7.300	5.000	3.800	3.000	1.700	11.000
28	11130	8.900	11.800	9.800	7.500	5.700	6.900	3.700	3.600	2.300	12.600
29	121 0	9.100	13.300	10.500	8.900	6.800	3.800	2.800	2.600	1.900	14.200
30	12130	8.600	13.200	8.200	6.800	5.609	2.900	2.700	1.700	1.200	13.700
31	131 0	9.703	12.900	10.600	8.200	6.900	5.300	3.800	3.200	2.600	12.600
32	13130	9.600	14.200	11.100	7.900	5.909	6.600	3.600	2.900	2.300	13.600
33	141 0	9.800	12.600	10.100	8.000	6.600	5.700	6.600	3.600	2.200	13.500
34	14130	9.500	11.700	8.700	6.100	6.900	3.800	3.100	2.800	1.800	13.800
35	151 0	9.100	12.600	10.700	8.700	7.000	6.100	6.900	6.209	3.300	11.700
36	15130	9.600	12.000	9.909	7.000	5.600	6.600	3.600	3.600	2.000	12.709
37	161 0	9.300	12.200	9.600	6.500	5.100	6.100	3.300	2.700	1.900	12.600
38	16130	9.600	11.700	10.600	8.600	6.600	3.800	6.200	3.600	2.300	10.100
39	171 0	8.800	10.800	9.600	6.300	6.300	3.100	2.900	1.600	1.300	10.800
40	17130	8.200	9.200	7.800	6.500	5.800	6.000	3.700	3.100	2.000	8.900
41	181 0	7.730	8.500	7.600	6.100	5.500	6.300	3.300	2.700	1.900	7.800
42	18130	7.300	7.900	6.300	5.100	6.000	5.200	2.600	2.000	1.600	7.500
43	191 0	6.903	7.800	6.100	6.700	5.900	3.200	2.100	1.600	0.900	6.100
44	19130	6.100	6.300	5.000	3.900	3.800	2.700	2.100	1.600	0.900	6.100
45	20127	0.200	-0.300	-0.200	-0.300	-0.200	-0.100	-0.100	-0.100	-0.200	-0.100

TITLE = CASE 7 DATE 86/10/20 TIME 15136142

CH. INDEX		111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		18.000	18.000	18.000	17.900	18.000	18.000	18.000	18.900	18.100	18.100
FINAL		17.800	17.800	17.700	17.700	17.800	17.803	17.800	18.200	18.000	17.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	-0.100	0.0	-0.100
3	01 0	0.100	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	0.0	-0.100
4	01 0	0.130	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	-0.100	-0.100
5	01 0	0.0	0.0	-0.200	0.0	0.100	0.0	0.0	-0.100	0.0	0.0
6	0130	1.700	1.500	1.800	1.300	1.100	0.900	0.600	0.0	0.100	0.0
7	11 0	6.700	3.700	3.100	2.600	2.100	1.300	1.200	2.700	2.600	2.000
8	1130	5.503	6.300	6.600	3.100	2.500	1.600	1.900	6.900	6.000	3.600
9	21 0	6.100	6.700	3.700	3.700	2.600	1.900	1.600	5.600	5.600	6.900
10	2130	7.100	6.300	5.500	6.900	6.700	2.900	2.500	5.700	5.700	6.800
11	31 0	7.300	6.200	5.200	6.900	3.600	2.800	2.900	6.600	6.500	5.900
12	3130	8.200	8.100	7.100	6.100	6.900	3.500	3.000	7.200	6.700	5.800
13	41 0	8.730	7.800	6.900	5.500	6.500	3.700	3.200	7.800	7.600	6.900
14	4130	8.303	8.600	7.700	5.700	6.700	1.900	2.900	8.700	8.000	7.000
15	51 0	9.803	8.700	7.600	6.500	6.100	3.900	3.100	8.800	8.600	7.300
16	5130	10.303	9.100	8.100	6.900	5.200	3.900	3.200	8.800	8.500	7.500
17	61 0	10.000	9.000	8.100	7.200	5.800	6.100	3.100	9.200	8.600	7.600
18	6130	10.300	9.600	8.600	7.100	6.600	6.600	3.600	9.600	9.000	7.000
19	71 0	10.600	9.600	8.900	6.700	5.300	6.500	3.500	9.600	8.900	8.000
20	7130	12.210	9.200	8.530	7.200	5.600	6.500	3.500	9.800	9.500	8.600
21	81 0	10.200	8.900	8.600	6.900	6.800	5.100	6.000	10.100	9.500	8.600
22	8130	11.200	10.300	9.500	6.800	6.600	5.200	6.300	10.500	9.700	8.300
23	91 0	10.803	10.030	9.100	7.600	6.200	5.300	6.100	10.500	9.600	8.200
24	9130	12.700	11.900	11.300	10.300	8.700	5.900	6.100	10.600	9.900	8.300
25	101 0	12.900	11.600	11.100	6.600	7.800	5.800	6.300	10.900	9.800	8.100
26	10130	11.500	10.500	9.900	6.900	7.600	5.600	6.200	10.800	9.900	6.600
27	111 0	10.103	9.500	8.900	7.600	6.800	5.700	5.000	10.800	10.000	8.600
28	11130	11.603	10.600	8.700	7.600	5.600	5.700	6.900	11.100	10.700	8.000
29	121 0	13.900	12.600	12.500	11.600	10.100	6.600	6.700	11.000	9.700	8.600
30	12130	12.709	11.900	10.900	10.200	6.600	6.600	6.600	11.300	10.000	8.500
31	131 0	12.910	11.300	10.400	9.503	7.800	6.600	6.700	11.900	10.100	8.600
32	13130	12.000	11.700	10.300	6.700	6.909	6.100	6.700	11.600	10.700	8.600
33	141 0	12.900	11.800	11.200	9.800	7.700	5.800	6.700	11.900	10.300	8.600
34	14130	12.710	10.600	9.490	6.500	8.800	5.500	6.200	11.600	10.600	8.900
35	151 0	11.130	9.700	8.600	7.600	6.900	5.300	6.200	11.700	10.500	9.000
36	15130	12.200	10.803	9.790	8.603	6.630	5.600	6.600	11.700	10.600	9.000
37	161 0	12.900	10.800	9.000	6.803	6.900	5.300	6.100	11.600	10.600	8.800
38	16130	9.900	9.500	7.603	6.100	5.200	6.900	5.600	10.700	10.100	8.800
39	171 0	10.200	9.500	8.130	6.600	5.600	6.900	3.900	10.500	9.700	8.600
40	17130	8.600	7.700	6.700	5.600	5.500	6.300	3.600	9.600	8.000	8.200
41	181 0	7.200	6.600	6.600	5.600	5.500	6.000	3.200	8.600	8.000	7.600
42	18130	7.000	6.100	5.503	6.500	5.600	5.350	2.500	7.700	7.200	6.900
43	191 0	6.000	3.700	3.000	2.500	2.100	2.500	2.000	6.800	6.600	6.600
44	19130	5.700	3.900	3.103	2.700	2.720	2.600	2.000	6.100	5.800	5.600
45	20127	-0.200	-0.700	-0.300	-0.700	-0.200	-0.200	-0.200	-0.100	-0.100	-0.200

TITLE = CASE 7 DATE 86/10/20 TIME 15136142

CH. INDEX		121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 38	126 T= 41	127 T= 42	128 T= 43	129 T= 44	130 T= 51
INITIAL		18.100	18.000	18.000	18.000	18.000	18.400	18.100	18.000	18.000	18.330
FINAL		18.000	17.900	17.800	17.800	17.800	18.200	17.800	17.800	17.800	18.200
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	0.0	0.0
3	01 0	-0.100	0.0	0.0	-0.100	-0.100	-0.100	0.0	0.0	0.0	-0.100
4	01 0	-0.100	0.0	0.0	-0.100	-0.100	-0.100	0.0	0.0	0.0	-0.100
5	01 0	0.0	0.0	0.0	0.0	0.0	-0.200	-0.200	0.0	0.0	-0.100
6	0130	0.0	0.100	0.100	0.0	0.200	-0.100	0.100	0.0	0.0	-0.100
7	11 0	1.500	1.600	1.600	1.600	2.000	3.300	3.100	2.000	0.802	0.900
8	1130	2.000	2.300	2.300	2.200	2.100	5.200	6.600	3.000	1.700	2.800
9	21 0	3.700	1.200	1.000	2.300	2.500	5.900	6.700	3.100	2.000	3.900
10	2130	6.100	6.600	3.600	3.100	3.600	5.900	6.600	3.300	2.300	6.600
11	31 0	6.700	6.100	5.900	3.600	3.200	6.700	5.500	6.000	2.600	5.700
12	3130	5.000	6.700	5.900	3.200	2.600	7.600	5.100	3.700	2.800	5.300
13	41 0	5.603	6.600	6.000	3.600	2.700	7.700	6.000	6.000	3.000	6.600
14	4130	6.003	5.100	6.900	3.700	3.300	7.700	5.100	3.600	2.800	6.700
15	51 0	6.203	5.200	6.600	3.603	3.230	8.100	5.800	6.100	3.000	6.600
16	5130	6.600	5.603	6.600	3.600	2.700	7.900	5.500	5.900	2.900	7.100
17	61 0	6.530	5.600	6.600	3.500	2.600	8.500	6.900	6.300	3.100	7.600
18	6130	6.900	5.600	6.900	6.003	3.600	8.100	6.200	6.900	3.200	7.600
19	71 0	7.100	6.300	5.100	6.300	3.700	6.700	6.000	6.600	3.600	7.800
20	7130	7.900	6.100	5.600	6.300	3.320	8.900	6.900	6.900	3.600	8.100
21	81 0	7.200	6.100	5.200	6.100	3.900	8.600	6.300	6.600	3.600	8.100
22	8130	7.100	5.900	5.000	6.000	3.300	9.600	6.600	5.000	3.800	8.100
23	91 0	7.000	6.100	5.300	6.600	3.700	9.600	7.600	5.200	3.800	8.500
24	9130	7.100	6.000	5.100	6.100	3.200	10.600	8.100	5.200	3.800	8.600
25	101 0	6.700	5.600	6.600	3.700	2.900	9.700	7.100	6.900	3.600	9.000
26	10130	6.909	5.700	5.000	6.100	3.700	9.703	7.600	5.200	3.900	9.200
27	111 0	7.130	5.000	5.000	6.000	3.100	9.800	6.900	5.200	6.100	9.100
28	11130	7.900	6.900	5.600	6.900	3.900	10.600	7.200	5.600	6.000	9.000
29	121 0	6.900	5.700	6.900	5.000	2.600	10.300	7.200	5.100	3.900	9.200
30	12130	7.000	5.600	6.700	3.900	2.700	10.000	8.600	6.000	6.100	9.700
31	131 0	7.100	5.700	5.000	6.000	3.600	10.900	7.500	5.630	6.200	9.800
32	13130	7.200	5.600	5.100	6.200	3.300	9.900	7.100	5.500	6.000	9.500
33	141 0	7.000	5.600	6.700	5.700	2.900	10.100	7.700	5.600	6.500	9.700
34	14130	7.303	5.900	5.000	6.009	3.700	10.600	8.600	6.600	6.300	9.700
35	151 0	7.603	5.900	5.100	6.100	3.600	10.800	8.800	5.200	3.900	9.900
36	15130	7.603	6.000	5.100	6.100	3.209	10.700	8.900	6.500	6.500	9.600
37	161 0	6.900	5.900	6.900	3.900	2.803	10.200	7.000	5.000	6.000	9.700
38	16130	7.300	6.000	5.200	6.200	3.300	9.900	7.900	5.900	6.100	9.700
39	171 0	7.200	5.900	5.200	6.100	3.600	8.900	8.500	6.700	3.800	8.800
40	17130	7.003	5.900	5.200	6.100	3.200	8.100	6.000	6.500	3.600	8.500
41	181 0	6.530	5.900	6.800	3.600	2.760	7.500	6.900	6.600	3.600	7.600
42	18130	5.900	5.000	6.600	3.500	2.800	6.700	5.100	3.800	3.100	7.000
43	191 0	5.970	6.000	6.200	3.600	2.820	6.500	5.200	3.800	3.000	6.300
44	19130	5.000	6.100	3.800	3.603	2.600	5.500	6.300	3.500	2.800	5.600
45	20127	-0.100	-0.100	-0.200	-0.200	-0.200	-0.200	-0.300	-0.200	-0.200	-0.100

TITLE = CASE 7 DATE 86/10/20 TIME 15136142

CH. INDEX		131 T= 52	132 T= 53	133 T= 54	134 T= 55	135 T= 61	136 T= 62	137 T= 63	138 T= 64	139 T= 71	140 T= 72
INITIAL		18.230	18.000	18.000	18.100	18.930	18.100	18.100	18.000	18.200	18.100
FINAL		18.100	17.900	17.800	17.900	18.200	18.100	18.000	17.900	18.300	18.000
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	-0.100	-0.100	0.0	0.0	0.0	0.0	0.0
3	01 0	0.0	0.0	0.0	-0.100	-0.200	0.0	0.0	0.0	0.0	0.0
4	01 0	0.0	0.0	0.0	-0.100	-0.200	0.0	0.0	0.0	0.0	0.0
5	01 0	0.0	0.0	0.0	-0.100	-0.200	0.0	-0.100	0.0	-0.100	0.0
6	0130	0.0	0.100	0.0	-0.100	-0.100	0.0	0.0	0.0	0.0	0.0
7	11 0	2.000	1.600	0.600	0.200	0.200	0.300	0.100	0.100	0.200	0.0
8	1130	2.600	2.900	2.000	1.600	3.200	2.600	1.700	1.300	2.300	2.100
9	21 0	3.300	3.600	2.300	1.600	6.500	3.700	2.600	1.900	3.600	3.600
10	2130	3.000	3.600	2.300	1.700	6.700	6.300	3.100	2.300	6.200	6.000
11	31 0	6.600	5.900	3.000	2.600	5.000	6.200	3.100	2.600	6.600	6.200
12	3130	6.900	3.600	3.000	2.200	6.200	6.600	3.700	3.000	5.000	5.000
13	41 0	5.600	5.100	3.200	2.200	5.700	6.900	3.600	2.600	5.200	5.100
14	4130	6.100	5.600	3.600	2.600	6.903	8.000	6.200	3.100	6.000	5.600
15	51 0	6.200	6.903	3.700	2.600	6.700	5.900	6.600	3.600	5.700	5.300
16	5130	6.030	6.100	6.300	2.603	7.000	6.700	6.700	3.500	6.000	5.700
17	61 0	7.003	6.900	6.100	2.000	7.000	6.000	6.900	3.300	6.100	5.900
18	6130	7.200	6.100	6.300	2.600	7.300	6.100	6.500	3.100	6.200	5.600
19	71 0	7.600	6.710	6.500	2.903	7.700	6.600	6.200	3.600	6.900	5.900
20	7130	7.700	6.600	6.500	3.006	7.600	6.600	6.200	6.000	6.700	6.200
21	81 0	7.700	6.600	6.100	2.700	7.700	6.500	5.300	6.500	7.000	6.600
22	8130	7.700	6.600	5.200	3.200	7.700	6.200	6.700	5.700	6.800	6.200
23	91 0	6.100	7.503	6.100	3.200	8.500	6.700	5.000	5.600	7.200	6.300
24	9130	6.900	6.900	6.700	3.100	8.200	7.200	5.200	5.700	7.900	6.700
25	101 0	6.600	7.703	5.600	3.200	8.500	6.900	5.200	6.000	7.600	6.700
26	10130	8.700	6.700	5.600	3.600	8.603	6.100	6.700	5.100	7.900	6.700
27	111 0	6.700	7.000	5.500	6.700	8.600	7.000	5.500	5.600	7.500	7.100
28	11130	8.500	6.500	6.600	2.700	8.100	8.300	6.800	5.700	7.500	7.000
29	121 0	8.800	7.800	5.100	3.600	8.703	8.600	6.900	3.600	7.600	7.000
30	12130	8.300	8.700	5.600	3.000	8.600	8.700	6.700	3.600	7.300	6.800
31	131 0	8.600	8.500	5.830	3.600	8.000	6.600	6.500	3.600	8.100	7.600
32	13130	6.900	7.600	5.600	3.700	8.700	7.100	6.000	5.000	8.700	7.700
33	141 0	6.300	7.600	5.700	3.600	8.700	8.003	6.000	5.500	7.600	7.000
34	14130	9.100	8.000	5.700	2.700	8.500	8.500	6.500	5.600	7.800	7.600
35	151 0	9.500	8.000	5.700	3.600	9.003	7.300	5.600	6.000	7.900	7.700
36	15130	6.203	7.600	5.100	3.600	9.000	5.200	5.900	5.800	7.800	7.600
37	161 0	6.200	7.600	5.300	3.700	8.900	7.200	5.500	6.100	7.900	7.500
38	16130	6.100	7.830	5.700	3.600	9.100	6.600	6.700	5.600	7.700	7.200
39	171 0	8.200	5.800	6.500	3.000	8.100	6.900	5.100	5.900	7.600	7.100
40	17130	8.800	6.100	6.600	3.500	7.803	6.300	5.000	5.700	6.900	6.200
41	181 0	7.500	5.100	3.900	2.900	6.930	6.100	6.700	3.600	6.600	6.200
42	18130	6.600	6.600	3.600	2.500	6.350	5.600	6.300	3.200	6.200	5.800
43	191 0	5.500	6.200	3.200	2.600	5.600	5.000	5.600	2.800	5.600	5.000
44	19130	6.903	3.600	2.900	1.900	6.800	6.200	5.200	2.700	5.600	5.000
45	20127	-0.100	-0.100	-0.100	-0.200	-0.100	0.0	-0.100	-0.100	0.100	-0.100

TITLE = CASE 7   DATE 86/10/20   TIME 15136142

CH. INDEX		141 T= 73	142 T= 74	143 T= 75	144 T= 81	145 T= 82	146 T= 83	147 T= 86	148 T= 91	149 T= 92	150 T= 93
INITIAL		18.100	18.200	18.100	17.300	18.300	18.200	18.200	18.100	18.300	18.200
FINAL		18.200	18.100	18.100	19.300	18.200	18.100	18.100	18.500	18.300	18.100
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	-0.200	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	[illegible]	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	-0.100	0.0
4	[illegible]	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	-0.100	0.0
5	[illegible]	-0.100	-0.100	-0.100	0.0	0.0	0.0	0.0	0.0	-0.100	0.0
6	[illegible]	-0.100	-0.100	-0.100	0.0	-0.100	-0.100	0.0	-0.100	-0.100	0.0
7	[illegible]	-0.100	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	-0.100	0.0
8	[illegible]	1.200	0.900	0.500	1.100	0.700	0.400	0.200	0.0	0.0	0.100
9	[illegible]	2.400	1.900	1.500	2.400	2.400	1.900	1.200	1.500	2.200	1.700
10	[illegible]	2.900	2.500	1.700	3.600	2.900	2.300	1.700	2.200	2.900	2.400
11	[illegible]	3.200	2.900	1.800	3.600	3.000	2.500	1.900	2.700	3.300	2.700
12	[illegible]	3.900	3.400	2.400	4.300	3.600	2.900	2.300	2.900	3.500	2.900
13	[illegible]	4.100	3.000	2.300	4.400	3.900	3.000	2.400	3.500	3.900	3.300
14	[illegible]	4.100	2.900	2.300	4.700	3.600	3.000	2.400	3.600	3.700	3.000
15	[illegible]	5.000	2.900	2.300	5.100	4.100	3.300	2.400	4.100	4.600	3.700
16	[illegible]	4.000	3.100	2.300	5.100	4.100	3.200	2.400	4.500	4.600	3.900
17	[illegible]	4.900	3.000	2.100	5.400	4.500	3.400	2.700	4.400	5.000	4.200
18	[illegible]	4.100	3.200	2.300	5.400	4.700	3.600	2.800	4.700	5.000	4.400
19	[illegible]	4.700	3.500	2.400	5.700	4.600	3.900	2.900	4.900	5.300	4.400
20	[illegible]	4.900	3.700	2.430	6.000	4.600	3.900	2.900	5.100	5.300	4.600
21	[illegible]	4.700	3.000	2.700	6.100	5.200	4.200	3.030	5.200	5.100	4.700
22	[illegible]	4.900	3.600	2.900	5.600	4.900	4.000	2.900	5.500	5.600	4.700
23	[illegible]	4.600	3.900	2.700	6.200	5.200	4.100	3.100	5.500	5.400	4.700
24	[illegible]	4.900	3.600	2.700	6.500	5.600	4.300	3.300	5.600	5.800	4.700
25	[illegible]	5.003	3.000	2.700	6.600	5.900	4.300	3.100	5.700	5.900	4.900
26	[illegible]	5.300	3.600	2.500	7.000	5.500	4.300	3.200	5.900	6.000	4.900
27	[illegible]	5.600	3.700	2.700	6.700	5.600	4.600	3.500	5.900	6.000	4.900
28	[illegible]	5.100	3.700	2.600	6.900	6.000	4.700	3.400	6.030	4.700	5.100
29	[illegible]	5.600	3.600	3.000	6.700	5.000	4.400	3.300	6.100	6.000	4.900
30	[illegible]	5.600	3.700	3.000	6.900	5.900	4.600	3.500	6.100	5.900	4.800
31	[illegible]	6.100	4.400	3.100	7.100	6.100	4.900	3.300	6.600	6.100	4.700
32	[illegible]	5.900	4.300	2.700	7.200	6.600	5.200	3.500	6.200	6.200	4.900
33	[illegible]	5.600	4.000	2.800	7.000	6.100	5.100	3.700	6.100	6.400	5.100
34	[illegible]	6.100	4.100	2.700	7.100	6.100	5.100	3.800	6.200	6.300	5.100
35	[illegible]	6.100	4.500	2.700	7.100	6.100	4.900	3.900	6.100	6.100	4.900
36	[illegible]	6.400	4.000	2.500	7.100	6.100	4.900	3.600	6.600	6.500	5.100
37	[illegible]	5.700	4.900	3.100	7.000	6.100	5.100	3.800	6.500	6.700	5.500
38	[illegible]	5.100	3.900	2.900	7.100	6.100	5.000	3.700	6.400	6.400	5.500
39	[illegible]	5.603	3.900	2.900	7.100	6.100	5.000	3.600	6.300	6.100	4.900
40	[illegible]	4.700	3.700	2.600	6.200	5.600	4.100	3.300	6.200	6.200	4.900
41	[illegible]	4.900	3.600	2.600	5.600	5.700	4.000	3.300	5.600	5.600	4.600
42	[illegible]	4.600	3.400	2.500	5.500	4.600	3.700	3.000	5.400	5.500	4.600
43	[illegible]	3.600	3.100	2.300	5.100	4.200	3.300	2.700	5.200	4.600	4.000
44	[illegible]	3.700	2.900	2.200	4.600	3.900	3.000	2.500	4.600	4.200	3.500
45	[illegible]	-0.150	-0.100	-0.200	0.0	-0.100	-0.120	-0.100	0.200	0.0	-0.100

TITLE = CASE 7   DATE 86/10/20   TIME 15136142

CH. INDEX		151 T= 96	152 T= 99	153 T=101	154 T=107	155 T=103	156 T=104	157 T=111	158 T=112	159 T=113	160 T=114
INITIAL		18.400	18.300	18.700	18.700	18.200	18.700	18.200	18.100	18.100	18.100
FINAL		18.100	18.700	18.400	18.700	18.100	18.700	18.200	18.300	18.100	18.100
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	-0.100	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.100
3	[illegible]	-0.120	-0.100	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	0.0
4	[illegible]	-0.100	-0.100	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	0.0
5	[illegible]	-0.100	-0.100	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	0.0
6	[illegible]	-0.100	-0.100	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	0.0
7	[illegible]	-0.100	-0.100	0.0	0.0	-0.100	0.0	-0.100	0.0	0.0	0.0
8	[illegible]	0.0	-0.100	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	0.0
9	[illegible]	0.400	0.400	1.200	1.000	0.400	0.100	0.0	0.0	0.0	0.0
10	[illegible]	1.700	1.000	2.200	2.100	1.400	1.000	1.000	1.000	1.100	0.400
11	[illegible]	2.000	1.400	2.000	2.400	2.000	1.400	2.500	1.800	1.900	1.500
12	[illegible]	2.100	1.500	2.500	2.400	2.100	1.700	3.000	2.300	2.400	1.900
13	[illegible]	2.400	1.900	3.400	3.500	2.700	2.100	3.200	2.400	2.400	2.000
14	[illegible]	2.400	1.400	3.500	3.500	2.700	2.200	3.000	3.000	2.900	2.500
15	[illegible]	2.803	2.000	4.100	3.700	3.003	2.300	3.400	3.100	2.900	2.405
16	[illegible]	3.004	2.730	4.300	3.400	3.200	2.500	4.000	3.400	3.100	2.500
17	[illegible]	3.100	2.700	4.600	4.100	3.300	2.500	3.900	3.600	3.100	2.500
18	[illegible]	3.300	2.700	4.400	4.100	3.200	2.500	4.200	3.700	3.200	2.500
19	[illegible]	3.400	2.500	4.700	4.500	3.400	2.500	4.200	3.900	3.400	2.700
20	[illegible]	3.405	2.500	4.909	4.500	3.500	2.600	4.100	4.000	3.400	2.800
21	[illegible]	3.600	2.500	5.000	4.600	3.500	2.700	4.500	4.100	3.400	3.000
22	[illegible]	3.700	2.600	5.230	4.400	3.900	2.900	4.600	4.200	3.700	3.000
23	[illegible]	3.700	2.600	5.100	4.700	3.800	2.900	4.400	4.400	3.800	3.100
24	[illegible]	3.600	2.750	5.100	4.500	3.900	2.800	4.500	4.400	3.800	3.100
25	[illegible]	3.603	2.700	5.500	4.032	3.800	2.900	4.800	4.400	3.800	3.200
26	[illegible]	4.000	2.800	5.400	4.903	3.900	3.100	4.900	4.600	4.000	3.200
27	[illegible]	3.604	2.600	5.500	4.803	3.700	2.700	5.200	4.700	4.100	3.500
28	[illegible]	3.603	2.700	5.500	5.003	4.030	2.900	5.100	4.800	4.300	3.400
29	[illegible]	3.900	2.700	5.400	5.200	4.700	3.700	5.100	4.900	4.300	3.600
30	[illegible]	3.990	2.700	5.700	5.100	4.000	3.700	5.300	4.800	4.100	3.900
31	[illegible]	3.730	2.700	5.700	5.000	3.000	3.000	5.200	4.800	4.000	3.500
32	[illegible]	3.603	2.500	5.800	5.100	4.200	3.000	5.100	4.800	4.100	3.600
33	[illegible]	4.000	2.500	6.000	5.400	4.300	3.000	5.400	5.000	4.200	3.400
34	[illegible]	4.000	2.500	5.900	5.400	4.200	3.100	5.700	5.200	4.400	3.400
35	[illegible]	3.600	2.500	5.900	5.200	3.900	3.000	5.400	5.200	4.700	3.700
36	[illegible]	4.000	2.600	5.600	5.400	4.200	3.100	5.500	5.000	4.300	3.600
37	[illegible]	3.900	2.700	6.000	5.400	4.100	3.100	5.700	5.200	4.400	3.900
38	[illegible]	4.903	2.600	6.000	5.500	4.300	3.200	5.600	5.200	4.400	3.900
39	[illegible]	4.000	2.703	6.000	5.400	4.200	3.100	5.500	5.100	4.500	3.700
40	[illegible]	3.700	2.800	5.900	5.300	4.200	3.100	5.300	5.200	4.400	3.500
41	[illegible]	3.700	2.700	5.400	5.000	3.600	3.000	4.200	5.100	4.000	3.300
42	[illegible]	3.700	2.500	5.400	4.600	3.750	3.900	4.600	4.400	4.000	3.200
43	[illegible]	3.200	2.500	5.000	4.500	3.700	2.900	4.500	4.600	3.900	3.200
44	[illegible]	2.600	2.700	4.400	4.100	3.200	2.700	4.100	4.300	3.500	3.000
45	[illegible]	-0.203	-0.100	0.100	0.0	-0.100	0.0	0.0	0.200	0.0	0.0

TITLE = CASE 7   DATE 86/10/20   TIME 15136142

CH. INDEX		161 T=115	162 T=121	163 T=122	164 T=123	165 T=126	166 T=131	167 T=132	168 T=133	169 T=134	170 T=135
INITIAL		18.200	18.000	18.200	18.100	18.100	18.000	18.100	18.000	18.000	17.900
FINAL		18.200	18.200	18.200	18.100	18.100	18.100	18.100	18.000	18.000	18.000
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.100
3	[illegible]	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.100
4	[illegible]	-0.100	0.100	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.100
5	[illegible]	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	[illegible]	-0.100	0.0	-0.100	0.0	-0.130	0.0	0.0	0.0	-0.100	0.0
7	[illegible]	-0.100	0.0	-0.100	0.0	-0.100	0.0	-0.100	0.0	-0.100	0.0
8	[illegible]	-0.100	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	[illegible]	-0.190	0.0	-0.100	0.0	-0.100	-0.100	-0.100	0.0	-0.100	0.0
10	[illegible]	0.190	0.200	0.400	0.200	0.0	0.0	0.0	0.0	0.0	0.0
11	[illegible]	0.603	1.100	1.000	1.200	0.600	1.100	0.600	0.500	0.200	0.100
12	[illegible]	1.290	1.800	2.230	1.700	1.500	1.900	1.900	1.500	0.900	0.100
13	[illegible]	1.400	2.100	2.500	1.903	1.600	2.200	2.100	1.900	1.400	0.600
14	[illegible]	1.730	2.500	2.700	2.230	1.700	2.400	2.400	2.000	1.650	1.200
15	[illegible]	1.703	2.603	2.409	2.400	2.600	2.800	2.900	2.300	1.900	1.400
16	[illegible]	1.800	2.900	2.409	2.400	2.000	2.800	2.900	2.600	2.100	1.700
17	[illegible]	1.800	3.100	3.200	2.750	2.200	3.100	3.100	2.600	2.100	1.700
18	[illegible]	1.900	3.200	3.400	2.400	2.100	3.200	3.100	2.700	2.300	1.800
19	[illegible]	1.900	3.500	3.600	2.903	2.600	3.500	3.400	2.600	2.400	1.800
20	[illegible]	2.000	3.400	3.600	3.600	2.600	3.500	3.400	2.900	2.410	1.900
21	[illegible]	2.100	3.600	3.700	3.100	2.530	3.700	3.400	3.100	2.500	2.000
22	[illegible]	2.100	3.603	3.800	3.100	2.600	3.700	3.600	3.100	2.600	2.000
23	[illegible]	2.500	3.700	3.900	3.200	2.600	3.700	3.700	3.100	2.600	2.100
24	[illegible]	2.400	3.300	4.090	3.103	2.700	3.800	3.900	3.400	2.800	2.200
25	[illegible]	2.300	3.900	3.903	3.200	2.700	3.900	3.800	3.600	2.900	2.150
26	[illegible]	2.303	4.100	4.000	3.400	2.800	4.000	3.900	3.300	2.900	2.300
27	[illegible]	2.500	4.200	4.100	3.500	2.600	4.000	4.000	3.600	2.900	2.300
28	[illegible]	2.430	4.200	4.000	3.600	2.803	4.100	4.000	3.500	3.000	2.100
29	[illegible]	2.530	4.100	4.100	3.600	2.700	4.100	4.100	3.550	3.000	2.405
30	[illegible]	2.600	4.400	4.000	3.600	2.900	4.200	4.200	3.809	3.100	2.400
31	[illegible]	2.400	4.403	4.200	3.603	2.800	4.300	4.300	3.800	3.200	2.800
32	[illegible]	2.730	4.400	4.100	3.500	2.900	4.400	4.100	3.600	3.100	2.900
33	[illegible]	2.500	4.400	4.100	3.600	2.800	4.300	4.200	3.800	3.100	2.800
34	[illegible]	2.500	4.500	4.400	3.600	2.830	4.300	4.100	3.800	3.000	2.500
35	[illegible]	2.400	4.400	4.400	3.700	2.900	4.500	4.500	3.800	3.000	2.600
36	[illegible]	2.550	4.400	4.400	3.600	2.530	4.500	4.500	4.000	3.700	2.600
37	[illegible]	2.430	4.400	4.400	3.500	2.730	4.509	4.600	3.800	3.200	2.500
38	[illegible]	2.603	4.700	4.403	3.600	3.600	4.700	4.600	4.000	3.100	2.400
39	[illegible]	2.400	4.700	4.400	3.700	3.500	4.600	4.500	3.600	3.100	2.300
40	[illegible]	2.600	4.700	4.400	3.750	3.100	4.700	4.000	4.000	3.300	2.500
41	[illegible]	2.430	4.400	4.900	3.700	3.000	4.500	4.600	3.800	3.100	2.500
42	[illegible]	2.500	4.400	4.300	3.500	2.930	4.400	4.500	4.000	3.100	2.500
43	[illegible]	2.600	4.100	4.000	3.300	2.600	4.100	4.200	3.600	3.000	2.500
44	[illegible]	2.300	4.200	3.900	3.300	2.700	3.900	4.000	3.500	3.000	2.400
45	[illegible]	0.0	0.200	0.0	0.0	0.0	0.100	0.0	0.0	0.0	0.100

TITLE = CASE 7   DATE 86/10/20   TIME 15136142

CH. INDEX		201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31	208 S= 32	209 S= 33	210 S= 34
INITIAL		0.156	0.161	0.154	0.154	0.172	0.166	0.167	0.157	0.150	0.158
FINAL		0.157	0.157	0.156	0.155	0.160	0.165	0.161	0.137	0.156	0.156
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	[illegible]	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	[illegible]	100.035	100.056	100.186	100.364	100.058	100.078	100.081	100.090	100.070	99.981
3	[illegible]	99.969	99.835	99.658	100.003	99.999	99.958	99.405	99.062	99.866	99.868
4	[illegible]	100.171	100.306	100.970	100.170	100.192	100.261	100.267	100.306	100.354	100.046
5	[illegible]	100.015	100.025	99.911	100.015	99.985	100.006	99.888	99.867	99.905	100.076
6	[illegible]	99.731	99.765	99.692	99.956	99.510	99.954	99.788	99.767	99.807	99.959
7	[illegible]	97.297	98.566	97.697	99.066	98.716	98.069	98.097	93.821	95.917	98.136
8	[illegible]	95.707	95.011	96.989	97.629	96.625	97.900	98.015	98.977	93.473	97.080
9	[illegible]	95.265	97.360	95.719	98.717	99.367	99.535	91.176	93.651	96.012	97.638
10	[illegible]	96.501	97.596	99.671	98.057	98.007	98.570	90.656	96.812	96.151	97.976
11	[illegible]	96.956	97.888	95.107	97.756	98.192	98.870	91.827	95.611	97.170	98.705
12	[illegible]	98.569	97.197	96.261	98.411	98.278	96.038	95.725	97.518	98.396	99.156
13	[illegible]	96.611	98.566	98.676	98.811	99.030	99.210	97.565	95.370	97.857	98.656
14	[illegible]	97.142	98.557	97.661	98.505	98.867	99.165	98.096	99.175	99.767	99.666
15	[illegible]	96.683	97.627	99.721	97.660	98.085	97.591	95.029	97.300	97.981	99.176
16	[illegible]	97.568	96.776	96.776	97.292	97.597	97.707	98.615	96.272	98.176	98.509
17	[illegible]	97.656	98.679	96.667	98.762	98.744	98.976	97.658	96.585	97.538	98.858
18	[illegible]	96.789	98.138	96.568	96.126	97.908	98.612	95.057	96.905	97.875	99.055
19	[illegible]	96.613	98.219	97.214	96.227	98.391	98.781	97.068	97.685	98.278	98.768
20	[illegible]	97.501	98.578	97.736	98.567	98.689	98.817	95.752	96.056	98.601	99.149
21	[illegible]	98.866	98.798	98.680	98.657	98.566	98.596	99.531	96.578	98.375	98.037
22	[illegible]	97.659	97.010	96.561	97.076	97.516	97.636	95.365	96.796	98.987	99.016
23	[illegible]	97.657	97.776	97.168	97.170	96.281	98.296	97.776	97.161	95.588	96.729
24	[illegible]	96.196	95.966	97.776	95.686	95.571	96.857	98.666	91.729	96.305	97.066
25	[illegible]	97.563	95.658	91.856	95.680	95.793	96.410	98.177	95.555	95.065	97.151
26	[illegible]	92.675	95.591	91.856	98.151	95.656	98.156	91.795	93.760	98.017	97.867
27	[illegible]	96.687	98.550	96.528	97.352	97.716	96.707	92.379	96.257	96.569	98.508
28	[illegible]	97.611	95.866	97.659	95.759	96.218	97.261	91.657	97.668	96.967	98.153
29	[illegible]	95.302	98.658	96.317	98.656	96.101	97.696	97.227	96.556	96.791	98.299
30	[illegible]	97.956	98.356	96.191	95.660	98.686	98.073	98.097	97.780	99.221	98.960
31	[illegible]	97.917	98.368	99.261	98.667	98.666	98.866	99.160	97.629	99.367	98.870
32	[illegible]	97.662	98.175	97.880	98.522	98.321	98.605	98.707	97.665	99.185	98.891
33	[illegible]	97.667	97.695	97.098	98.365	98.065	98.692	97.880	97.190	98.806	98.907
34	[illegible]	97.666	97.966	97.632	98.667	96.190	98.612	98.274	97.587	99.116	98.860
35	[illegible]	97.667	98.067	97.667	98.653	98.219	98.727	98.662	97.576	99.106	98.699
36	[illegible]	97.627	97.870	97.596	98.371	98.152	98.662	98.666	97.511	99.165	98.765
37	[illegible]	97.616	97.702	97.629	98.159	98.096	98.612	98.631	97.501	99.197	98.668
38	[illegible]	97.731	97.907	97.656	98.171	98.150	98.676	98.905	97.566	99.329	98.760
39	[illegible]	97.676	97.913	98.177	98.121	98.152	98.739	98.615	97.560	99.469	98.781
40	[illegible]	97.667	97.765	97.961	98.508	98.100	98.965	99.122	97.687	99.394	98.022
41	[illegible]	97.590	97.657	97.517	96.165	98.015	98.600	99.171	97.620	99.106	98.761
42	[illegible]	97.927	97.665	97.765	97.183	98.610	98.676	99.356	97.666	99.300	98.692
43	[illegible]	97.616	97.765	98.235	98.251	98.155	96.751	99.566	97.675	99.576	98.718
44	[illegible]	97.501	97.632	97.692	98.169	98.662	98.667	99.452	97.556	99.618	98.597
45	[illegible]	97.176	97.708	97.855	97.566	97.251	99.550	98.716	96.135	99.019	98.888

TITLE = CASE 7 DATE 86/10/20 TIME 19136142

CH. INDEX		211 S= 33	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 51	217 S= 52	218 S= 53	219 S= 54	220 S= 55
INITIAL		0.159	0.123	0.145	0.146	0.163	0.145	0.146	0.161	0.157	0.157
FINAL		0.158	0.121	0.143	0.142	0.161	0.142	0.143	0.158	0.155	0.156
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0110	99.975	99.927	100.016	100.000	100.025	99.965	99.966	100.000	99.936	99.963
3	0120	99.812	99.911	100.016	100.000	99.836	99.817	100.105	100.006	99.732	99.818
4	0130	100.558	99.815	99.672	100.008	100.546	100.021	99.975	100.017	100.548	100.560
5	0140	99.817	99.733	99.479	100.026	99.951	99.856	99.918	99.888	99.765	99.819
6	0150	99.826	99.686	99.966	100.014	99.801	99.775	100.150	100.600	99.676	99.561
7	11 0	98.052	99.688	98.769	99.329	97.669	98.765	99.549	99.858	100.065	100.066
8	1130	97.022	95.566	93.088	99.148	98.059	98.226	99.917	98.547	97.858	98.027
9	21 0	98.565	89.185	95.856	98.851	97.857	93.659	98.619	98.761	98.908	97.869
10	2130	98.568	93.057	97.613	97.766	97.935	98.786	97.626	98.022	97.429	98.651
11	31 0	98.188	91.890	98.756	97.856	97.748	98.210	99.886	97.356	97.816	97.682
12	3130	98.879	91.889	98.515	97.561	98.786	98.115	98.642	97.785	98.247	98.711
13	41 0	98.801	93.889	98.802	97.857	98.855	98.701	99.118	98.591	98.396	98.760
14	4130	98.795	98.870	98.825	98.769	99.021	98.520	98.757	97.885	98.287	98.101
15	51 0	99.082	98.892	98.567	98.767	99.118	98.302	98.637	98.155	99.761	99.868
16	5130	99.500	90.861	98.380	97.650	98.156	95.569	98.715	98.155	97.151	98.658
17	61 0	97.977	98.175	97.895	98.567	98.876	93.961	98.518	99.757	97.166	97.475
18	6130	98.851	93.897	97.818	97.815	98.561	98.280	98.258	97.551	98.075	98.267
19	71 0	98.895	95.582	97.858	98.858	98.888	98.186	98.208	97.556	98.271	98.565
20	7130	99.127	95.688	98.122	98.882	99.921	98.765	97.128	98.178	98.706	98.666
21	81 0	98.825	98.126	97.885	98.827	98.811	97.191	97.201	98.036	98.710	98.815
22	8130	98.726	98.865	98.198	98.567	98.876	97.053	97.601	98.175	99.311	98.715
23	91 0	97.276	93.081	95.860	97.267	97.671	95.707	95.612	97.598	98.065	97.701
24	9130	97.590	83.567	89.827	81.827	95.870	91.899	93.907	96.958	95.767	96.120
25	101 0	97.835	95.276	98.666	77.151	97.607	93.375	95.581	98.016	98.375	97.177
26	10130	97.359	98.856	98.619	97.556	97.195	98.099	98.565	95.191	98.569	96.193
27	111 0	98.856	91.626	98.706	97.255	98.625	98.670	98.727	95.826	98.185	98.815
28	11130	97.677	97.861	98.180	98.856	97.661	98.452	99.185	98.096	97.367	97.660
29	121 0	98.592	93.858	96.905	97.756	97.326	99.128	99.131	98.197	97.687	98.908
30	12130	98.820	98.398	90.253	98.366	98.296	99.618	99.330	98.065	97.922	97.867
31	131 0	98.958	98.971	98.962	98.016	99.948	98.828	98.662	98.675	99.171	98.866
32	13130	98.705	99.158	99.599	97.816	98.888	98.936	98.505	98.656	99.006	99.681
33	141 0	98.480	99.556	99.632	98.712	98.951	98.867	98.533	98.569	98.793	97.676
34	14130	98.795	99.158	99.887	98.726	99.677	98.751	98.276	98.676	98.776	98.292
35	151 0	98.963	99.238	98.962	98.730	99.231	99.061	98.610	98.907	99.181	98.622
36	15130	98.881	99.012	98.639	98.761	98.698	98.937	98.320	98.552	98.802	98.197
37	161 0	98.757	99.608	98.657	98.816	99.698	99.068	98.685	98.538	98.929	98.587
38	16130	98.971	99.711	99.611	98.871	98.768	99.027	98.389	98.512	99.188	98.622
39	171 0	99.197	99.768	98.581	98.856	99.098	99.268	98.519	98.576	99.531	99.022
40	17130	99.071	99.850	98.656	98.022	98.688	99.130	98.666	98.532	99.082	98.957
41	181 0	98.978	99.883	97.907	98.071	98.411	99.337	98.561	98.576	98.916	98.507
42	18130	99.848	99.951	98.606	98.865	99.017	99.286	98.581	98.565	99.280	98.787
43	191 0	99.195	100.016	98.887	98.859	99.368	99.688	98.674	98.537	99.861	99.868
44	19130	99.171	99.927	98.562	98.816	99.022	99.836	98.981	98.515	99.498	98.960
45	20127	99.156	98.161	98.659	98.969	93.157	97.982	98.115	98.576	98.897	98.781

TITLE = CASE 7 DATE 86/10/20 TIME 19136142

CH. INDEX		221 S= 61	222 S= 62	223 S= 63	224 S= 71	225 S= 72	226 S= 81	227 S= 82	228 S= 83	229 S= 91	230 S= 92
INITIAL		0.160	0.161	0.160	0.152	0.166	0.155	0.160	0.161	0.157	0.167
FINAL		0.145	0.158	0.159	0.158	0.162	0.153	0.158	0.160	0.155	0.169
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0110	99.966	99.996	100.031	100.015	100.006	100.006	100.013	100.000	100.006	100.017
3	0120	99.980	100.012	100.025	100.067	100.006	100.006	100.008	100.006	100.006	100.017
4	0130	100.009	100.019	100.066	100.020	100.041	100.015	100.031	100.031	100.032	100.042
5	0140	99.919	99.961	99.906	100.007	100.018	99.987	100.030	100.017	100.015	100.018
6	0150	99.898	99.981	100.066	99.967	100.008	99.987	100.030	100.008	100.006	100.018
7	11 0	99.706	99.860	100.350	99.967	100.033	99.981	100.025	100.017	99.996	100.036
8	1130	97.773	99.191	99.738	98.287	99.958	99.626	99.967	100.019	100.015	100.036
9	21 0	97.545	95.669	98.626	97.568	98.865	98.552	98.790	97.706	98.571	99.371
10	2130	98.876	97.360	98.866	98.190	98.898	98.786	98.998	97.689	95.109	96.277
11	31 0	98.159	97.618	98.786	98.206	97.670	98.810	98.257	98.655	98.155	97.618
12	3130	97.177	97.761	98.968	98.926	97.576	98.626	97.818	98.216	98.857	97.856
13	41 0	97.116	97.562	98.368	95.549	97.172	98.991	98.667	98.666	98.851	97.810
14	4130	97.169	97.612	98.008	98.765	97.565	98.950	98.318	98.877	98.900	98.150
15	51 0	95.565	99.371	98.658	97.761	98.661	98.965	98.768	98.662	98.865	97.558
16	5130	98.628	98.107	98.216	96.271	99.872	99.368	99.689	99.311	98.871	98.907
17	61 0	98.965	97.250	98.836	95.970	97.227	97.667	99.312	99.866	98.771	98.760
18	6130	98.651	98.901	99.185	98.960	98.560	95.968	97.505	98.676	98.565	97.616
19	71 0	97.765	98.101	99.666	98.976	98.870	97.931	98.576	98.966	97.328	97.717
20	7130	98.215	98.016	99.158	97.168	98.971	98.240	98.667	98.927	97.876	97.868
21	81 0	98.638	98.318	99.168	97.670	98.866	98.056	98.765	99.057	97.968	98.217
22	8130	98.576	98.368	99.285	97.016	98.996	98.660	98.869	99.876	98.087	98.693
23	91 0	98.876	98.276	99.121	97.016	96.652	98.621	98.705	99.112	98.006	98.501
24	9130	95.256	95.519	98.378	95.550	97.671	97.738	98.150	99.026	97.870	98.665
25	101 0	96.897	98.686	98.268	91.776	96.315	96.877	98.166	97.566	95.627	96.959
26	10130	98.510	98.952	98.685	95.765	96.776	95.168	99.910	97.965	93.567	95.256
27	111 0	97.565	97.695	98.991	99.679	97.376	96.565	96.817	98.508	96.091	96.992
28	11130	97.150	97.250	98.615	99.168	97.262	97.016	97.567	98.156	96.372	97.226
29	121 0	97.607	97.215	98.561	98.625	97.177	96.828	97.576	98.457	96.678	97.066
30	12130	97.082	97.191	98.889	99.688	97.852	96.713	97.192	98.127	96.519	97.076
31	131 0	99.367	98.715	99.265	97.961	97.655	97.366	97.888	98.667	98.901	97.288
32	13130	99.605	98.721	99.277	98.661	99.265	99.233	99.068	99.767	98.105	98.561
33	141 0	95.622	98.756	99.233	98.737	99.261	99.266	99.065	99.265	98.678	98.658
34	14130	98.665	98.667	99.108	98.503	99.208	99.216	98.887	99.518	98.668	98.871
35	151 0	98.661	98.677	99.220	98.819	99.215	99.196	98.968	99.280	98.565	98.775
36	15130	99.668	98.678	99.103	98.517	99.212	99.196	98.031	99.518	98.901	98.805
37	161 0	99.506	98.703	99.227	98.565	99.269	99.196	98.957	99.155	98.950	98.870
38	16130	99.600	98.660	99.265	98.582	99.565	99.235	98.958	99.392	98.977	98.861
39	171 0	99.515	98.716	99.235	98.666	99.618	99.285	98.687	99.662	98.620	98.965
40	17130	99.627	98.686	99.257	95.595	97.565	99.317	98.917	99.475	98.667	98.967
41	181 0	99.656	98.677	99.730	98.668	97.565	99.266	97.986	99.675	98.606	98.969
42	18130	99.569	98.728	99.215	98.676	99.675	99.277	97.899	99.665	98.606	98.967
43	191 0	99.681	98.706	99.231	98.687	91.695	99.110	98.098	99.577	98.655	99.015
44	19130	99.501	98.759	99.265	98.666	99.656	99.298	98.037	99.527	98.662	99.015
45	20127	97.972	98.666	99.108	98.969	98.717	98.927	97.699	99.660	98.578	99.111

TITLE = CASE 7 DATE 86/10/20 TIME 19136142

CH. INDEX		231 S=101	232 S=102	233 S=103	234 S=111	235 S=112	236 S=121	237 S=122	238 S=123	239 S=131	240 S=132
INITIAL		0.165	0.166	0.160	0.160	0.167	0.156	0.151	0.165	0.158	0.157
FINAL		0.161	0.166	0.159	0.155	0.166	0.155	0.150	0.166	0.156	0.156
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0110	100.012	100.012	100.012	100.013	100.000	99.978	100.007	100.006	100.006	100.015
3	0120	100.012	100.018	100.019	100.013	100.008	99.935	99.903	99.988	100.004	100.006
4	0130	100.012	100.026	100.006	100.019	100.006	100.262	100.000	100.135	100.000	100.011
5	0140	102.641	100.026	100.019	100.041	100.012	99.986	100.019	100.026	99.994	100.011
6	0150	106.051	100.018	100.008	100.031	100.026	99.898	100.015	99.987	100.006	100.019
7	11 0	102.057	100.013	100.019	100.025	100.038	100.109	100.011	100.061	100.019	100.019
8	1130	102.061	100.010	100.025	100.075	100.026	100.151	100.020	100.097	100.015	100.025
9	21 0	99.367	99.869	100.325	100.971	100.050	100.088	100.007	100.068	100.019	100.025
10	2130	98.195	98.287	97.256	98.692	99.725	99.753	100.020	99.988	100.019	100.025
11	31 0	98.191	97.375	97.861	91.076	97.616	96.795	99.861	99.015	99.666	99.987
12	3130	97.181	98.271	98.698	98.969	97.636	95.207	99.557	99.577	98.703	99.321
13	41 0	98.957	98.208	98.225	98.709	98.667	95.926	99.709	98.639	98.115	98.157
14	4130	97.569	98.318	98.675	98.627	96.278	95.567	99.605	98.566	98.787	98.625
15	51 0	96.870	98.002	98.711	98.667	98.190	96.135	99.782	98.898	98.465	98.578
16	5130	97.091	98.696	98.962	98.597	98.181	96.115	99.775	98.917	98.787	98.800
17	61 0	99.678	99.300	99.348	98.505	98.869	95.881	99.735	98.881	98.676	98.737
18	6130	97.023	98.858	98.818	98.200	99.308	98.918	99.876	99.058	98.902	98.897
19	71 0	98.686	97.651	98.388	99.915	98.229	96.765	99.782	99.355	99.656	98.892
20	7130	97.977	98.388	98.890	98.966	98.368	93.205	99.876	99.856	98.820	99.193
21	81 0	97.969	98.565	98.866	97.635	98.386	96.577	99.768	98.888	98.900	98.685
22	8130	98.229	98.766	98.931	97.856	98.787	96.667	99.742	98.881	98.891	98.796
23	91 0	98.819	98.801	99.186	98.205	98.887	96.978	99.755	99.876	98.985	98.971
24	9130	98.369	98.810	99.050	98.958	98.911	97.656	99.755	99.701	99.800	98.997
25	101 0	98.951	98.217	98.990	98.890	98.869	97.101	99.762	99.287	99.109	99.137
26	10130	95.769	98.787	97.579	98.915	97.311	98.086	99.682	99.153	99.105	99.117
27	111 0	95.875	97.367	97.732	97.900	96.979	93.127	99.598	98.821	98.667	98.895
28	11130	95.882	97.826	98.150	95.558	97.631	91.615	99.278	98.215	97.756	97.911
29	121 0	96.611	97.675	98.188	96.115	97.740	96.635	99.686	98.326	98.086	97.608
30	12130	96.676	97.663	98.057	95.926	98.087	96.089	99.487	98.659	98.122	98.127
31	131 0	98.760	97.896	98.208	99.686	98.019	99.082	99.686	98.657	98.557	98.273
32	13130	97.909	98.066	98.666	98.185	98.037	98.915	99.906	98.602	98.736	98.350
33	141 0	98.801	98.577	99.896	98.111	93.958	98.820	99.666	98.926	98.331	98.381
34	14130	99.819	98.901	99.198	98.967	98.953	97.561	99.508	98.816	98.365	98.311
35	151 0	98.730	98.850	99.165	99.069	99.007	98.118	99.616	99.268	99.062	99.029
36	15130	98.702	98.816	99.086	98.955	98.953	98.682	99.596	99.386	99.086	99.167
37	161 0	98.700	98.810	99.156	98.993	98.961	97.821	99.576	99.276	99.056	99.165
38	16130	98.721	98.806	99.165	99.818	98.950	97.908	99.550	99.268	99.020	99.176
39	171 0	98.766	98.822	99.218	99.055	99.081	98.039	99.530	99.208	99.021	99.117
40	17130	98.827	98.867	99.279	99.137	98.087	97.965	99.510	99.298	99.018	99.137
41	181 0	98.782	98.816	99.315	99.109	99.056	98.031	99.506	99.202	99.020	99.168
42	18130	98.766	98.787	99.206	99.187	97.066	98.191	99.670	99.399	99.015	99.187
43	191 0	98.795	98.816	99.166	99.159	99.077	98.278	99.651	99.399	99.010	99.206
44	19130	98.787	99.768	99.350	99.202	99.187	99.249	99.626	99.399	98.985	99.187
45	20127	98.814	98.853	99.656	99.117	99.207	98.235	99.146	99.310	98.866	99.238

TITLE = CASE 7 DATE 86/10/20 TIME 19136142

CH. INDEX		250 V= 21	251 V= 22	252 V= 23	253 V= 24	254 V= 25	255 V= 26	256 V= 27	257 V= 28	258 V= 29	259 V= 31
INITIAL		0.109	0.122	0.116	0.115	0.107	0.101	0.099	0.080	0.087	0.093
FINAL		0.097	0.109	0.102	0.107	0.113	0.107	0.115	0.119	0.115	0.082
LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	01 0	1.077	2.005	1.095	1.669	1.860	1.739	1.711	1.539	1.908	1.685
2	0110	1.917	1.705	1.858	2.007	2.085	1.918	2.056	2.011	1.975	1.635
3	0120	1.591	1.766	1.760	1.861	1.960	1.940	1.975	1.807	1.787	1.961
4	0130	2.092	1.971	1.908	1.750	1.956	1.978	2.066	2.078	1.825	1.897
5	0140	2.271	2.097	1.856	1.942	1.949	1.968	2.055	2.065	1.909	1.495
6	0150	1.865	1.826	1.792	1.887	1.930	1.957	2.176	2.212	2.138	2.159
7	11 0	1.963	1.676	1.866	1.666	1.725	1.760	1.887	1.850	1.913	1.980
8	1130	1.955	2.067	1.830	1.779	1.739	1.706	1.975	1.856	2.040	1.926
9	21 0	1.737	1.856	1.820	1.957	1.971	1.967	2.017	2.016	2.156	1.887
10	2130	1.715	1.976	1.866	1.916	1.856	1.793	1.780	2.052	1.933	1.661
11	31 0	1.770	1.760	1.715	1.906	2.015	2.016	2.170	2.087	2.168	2.085
12	3130	1.906	1.916	1.871	1.967	1.866	1.957	2.152	2.255	2.057	1.805
13	41 0	1.857	1.967	1.880	2.077	1.678	1.716	1.970	2.076	2.717	1.907
14	4130	1.761	1.957	1.811	1.971	1.916	1.915	1.937	1.952	1.967	1.290
15	51 0	1.765	1.870	1.806	1.990	1.892	1.966	2.120	2.112	2.071	1.797
16	5130	2.054	2.009	1.858	1.770	1.711	1.736	1.866	2.017	2.160	1.665
17	61 0	1.727	1.957	1.717	1.692	1.975	2.030	2.066	2.110	2.160	1.576
18	6130	1.940	1.862	1.753	1.720	1.666	1.869	1.868	2.059	2.097	1.526
19	71 0	1.971	2.065	1.909	2.170	2.025	1.976	1.852	1.909	2.062	1.760
20	7130	1.862	1.966	1.937	1.992	2.006	2.076	2.156	2.291	2.271	1.671
21	81 0	1.916	1.957	1.920	1.078	1.772	1.786	1.887	2.071	2.076	1.287
22	8130	1.961	1.918	1.760	1.770	1.807	1.672	1.762	1.955	2.258	1.955
23	91 0	1.675	1.727	1.691	1.706	1.872	1.716	1.791	2.112	2.270	1.582
24	9130	1.780	1.765	1.806	1.902	1.816	1.857	1.973	1.961	2.058	1.696
25	101 0	1.600	1.869	1.827	1.965	2.019	1.961	2.167	2.186	2.008	1.590
26	10130	1.612	1.090	1.815	1.741	1.736	1.705	1.852	1.906	2.190	1.666
27	111 0	1.667	1.907	1.816	1.756	1.866	1.867	1.835	1.971	1.956	1.667
28	11130	1.715	1.721	1.715	1.062	1.868	1.918	2.161	2.166	2.166	1.596
29	121 0	1.677	1.767	1.701	1.965	1.795	1.706	1.782	2.079	2.006	1.656
30	12130	1.896	1.877	1.596	1.875	1.752	1.809	1.839	1.890	2.116	1.311
31	131 0	1.706	1.956	1.859	1.035	1.056	1.787	1.868	2.035	2.221	1.668
32	13130	2.000	1.870	1.771	1.796	1.859	1.825	1.882	1.968	2.150	1.665
33	141 0	1.957	1.975	1.869	1.909	1.886	1.866	1.016	1.971	2.258	1.657
34	14130	1.908	1.937	1.707	1.799	1.957	1.997	1.866	1.952	1.878	1.628
35	151 0	1.862	1.740	1.660	1.791	1.956	1.868	2.008	2.117	2.117	1.663
36	15130	1.860	1.961	1.825	1.866	1.866	1.861	1.990	2.065	2.171	1.676
37	161 0	1.976	2.171	2.187	2.115	1.992	1.875	1.857	1.960	2.069	1.756
38	16130	1.691	1.665	1.755	1.805	1.615	1.069	1.077	1.905	2.085	1.681
39	171 0	1.810	1.957	1.068	1.836	1.866	1.742	1.850	2.059	2.110	1.596
40	17130	1.922	1.802	1.617	1.657	1.566	1.561	1.820	2.163	2.365	1.565
41	181 0	1.851	1.811	1.886	1.605	1.820	2.069	2.205	2.239	2.286	1.961
42	18130	2.056	2.066	1.635	1.796	1.747	1.878	1.959	1.975	1.976	1.905
43	191 0	1.675	1.820	1.855	1.859	2.055	1.907	1.906	2.071	2.167	1.929
44	19130	1.890	1.966	1.916	1.906	1.654	1.860	1.918	1.860	1.995	1.560
45	20127	1.796	1.878	1.779	1.066	1.965	1.839	1.975	1.083	1.957	1.419

TITLE = CASE 7 DATE 86/10/20 TIME 15:36:42

CH. INDEX		260 V= 72	261 V= 73	262 V= 74	263 V=121	264 V=122	265 V=123	266 V=124
INITIAL		0.896	0.0??	0.077	0.061	0.073	0.069	0.057
FINAL		0.902	0.901	0.876	0.888	0.870	0.071	0.050
LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	[illegible]	1.896		1.371	1.066	1.740	1.180	0.877
2	[illegible]	1.844		1.321	2.468	1.776	1.006	1.096
3	[illegible]	1.818		1.317	1.092	1.260	1.056	0.875
4	[illegible]	1.534		1.300	4.749	1.714	1.124	1.083
5	[illegible]	1.667		1.126	1.000	1.197	1.904	0.946
6	[illegible]	1.751		1.542	1.075	1.225	1.271	1.072
7	[illegible]	1.715		1.535	1.665	1.262	1.090	0.951
8	[illegible]	1.902		1.105	1.197	1.266	1.036	0.935
9	[illegible]	1.766		1.570	1.006	1.209	1.056	1.105
10	[illegible]	1.819		1.111	1.358	1.926	1.060	0.975
11	[illegible]	1.760		1.562	1.540	1.579	1.149	0.816
12	[illegible]	1.723		1.616	1.412	1.656	1.056	0.779
13	[illegible]	1.615		1.555	1.671	1.922	1.101	0.060
14	[illegible]	1.551		1.369	1.526	1.636	0.901	0.752
15	[illegible]	1.595		1.606	1.551	1.571	1.092	0.626
16	[illegible]	1.626		1.651	1.361	1.696	1.087	0.861
17	[illegible]	1.655		1.557	1.265	1.555	1.256	0.836
18	[illegible]	1.570		1.526	1.256	1.665	1.219	0.896
19	[illegible]	1.799		1.365	1.112	1.662	1.260	0.995
20	[illegible]	1.661		1.681	1.306	1.618	1.260	0.952
21	[illegible]	1.661		1.692	1.512	1.676	1.292	0.626
22	[illegible]	1.756		1.606	1.661	1.562	1.265	1.011
23	[illegible]	1.560		1.519	1.621	1.567	1.167	1.091
24	[illegible]	1.660		1.526	1.526	1.666	1.651	1.079
25	[illegible]	1.591		1.591	1.561	1.576	1.566	1.060
26	[illegible]	1.910		1.297	1.595	1.666	1.232	0.882
27	[illegible]	1.593		1.679	1.326	1.526	1.262	0.956
28	[illegible]	1.565		1.555	1.556	1.626	1.604	1.167
29	[illegible]	1.666		1.561	1.321	1.696	1.317	0.999
30	[illegible]	1.769		1.361	1.556	1.656	1.359	1.006
31	[illegible]	1.967		1.696	1.198	1.693	1.562	0.886
32	[illegible]	1.762		1.596	1.532	1.692	1.517	0.982
33	[illegible]	1.796		1.390	1.666	1.572	1.271	0.909
34	[illegible]	1.666		1.671	1.561	1.766	1.262	0.981
35	[illegible]	1.666		1.396	1.562	1.601	1.275	1.050
36	[illegible]	1.710		1.527	1.517	1.576	1.667	0.979
37	[illegible]	1.596		1.776	1.667	1.615	1.607	0.999
38	[illegible]	1.577		1.659	1.566	1.691	1.321	1.097
39	[illegible]	1.666		1.600	1.300	1.976	1.221	0.956
40	[illegible]	1.699		1.516	1.607	1.769	1.051	1.096
41	[illegible]	1.526		1.515	1.126	1.966	1.159	0.959
42	[illegible]	1.615		1.297	1.219	1.656	1.202	0.961
43	[illegible]	1.672		1.510	1.152	1.665	1.171	0.958
44	[illegible]	1.667		1.376	1.295	1.565	1.223	1.011
45	[illegible]	1.506		1.350	1.157	1.197	1.719	0.996

TITLE = CASE 8 DATE 86/10/21 TIME 8:50:13

CH. INDEX		101 T= 41	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		15.300	15.900	15.600	13.600	13.600	13.500	13.600	13.500	13.600	13.400
FINAL		14.503	14.900	14.500	14.600	14.600	14.500	14.600	14.600	14.600	14.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	0.0	-0.200	-0.100	-0.300	-0.100	-0.200	-0.100	-0.200	-0.200	0.200
3	[illegible]	-0.100	-0.400	-0.200	-0.300	-0.200	-0.200	-0.200	-0.100	-0.100	-0.100
4	[illegible]	0.0	-0.300	-0.105	-0.100	-0.100	0.0	0.0	0.100	0.100	-0.100
5	[illegible]	0.100	-0.100	0.100	0.100	0.200	0.100	0.200	0.200	0.200	0.100
6	[illegible]	1.700	9.100	7.200	5.600	4.100	3.900	2.500	2.600	2.000	4.500
7	[illegible]	9.003	17.700	9.600	7.000	6.900	4.700	5.600	2.600	2.700	11.600
8	[illegible]	6.700	13.900	9.200	7.000	5.600	6.100	5.600	5.100	2.600	13.700
9	[illegible]	5.500	15.600	10.100	7.503	5.700	6.300	2.900	2.500	2.000	15.900
10	[illegible]	6.950	16.990	13.900	8.700	6.600	6.900	5.500	2.800	2.300	17.100
11	[illegible]	7.500	19.900	15.700	11.600	9.600	7.100	6.800	6.600	5.600	19.100
12	[illegible]	8.200	19.900	16.600	12.605	9.600	7.300	5.700	6.600	3.000	20.100
13	[illegible]	8.765	20.100	16.100	12.100	8.900	7.100	6.100	6.300	3.100	21.900
14	[illegible]	9.603	24.600	18.600	13.600	9.200	6.800	6.900	5.900	2.900	23.600
15	[illegible]	10.200	22.000	19.900	13.900	8.800	7.200	5.200	6.100	2.800	23.700
16	[illegible]	13.905	22.300	17.200	12.909	9.200	7.760	6.200	6.600	3.500	23.700
17	[illegible]	11.600	26.200	21.200	17.600	14.300	10.600	7.000	6.700	5.000	21.600
18	[illegible]	11.600	25.300	20.100	16.600	12.600	9.600	7.000	5.600	3.000	22.900
19	[illegible]	11.703	29.500	20.900	17.600	11.600	9.600	6.600	6.500	3.100	25.500
20	[illegible]	12.900	25.700	21.100	15.900	12.900	9.600	6.600	5.600	4.100	20.700
21	[illegible]	12.500	25.600	21.500	14.700	12.300	8.800	7.200	6.200	5.100	25.500
22	[illegible]	12.900	25.100	20.600	16.500	12.200	8.600	6.600	5.200	6.000	27.000
23	[illegible]	12.153	27.600	25.100	17.200	13.600	9.800	6.100	5.600	5.100	26.600
24	[illegible]	14.500	27.600	21.100	15.600	11.100	10.500	7.100	5.700	5.700	26.600
25	[illegible]	14.004	29.700	26.900	22.700	17.600	14.200	6.100	7.500	6.000	27.000
26	[illegible]	14.930	20.600	23.100	17.700	15.100	10.000	6.900	5.100	3.700	27.000
27	[illegible]	14.909	20.300	26.300	20.100	14.300	10.100	7.000	5.200	5.900	28.600
28	[illegible]	15.500	28.600	22.600	17.600	13.300	10.500	6.600	5.600	5.600	28.200
29	[illegible]	15.200	31.600	25.900	21.200	15.900	12.260	8.600	6.700	6.700	28.200
30	[illegible]	16.600	28.600	26.600	19.200	15.950	11.950	9.100	7.000	5.900	29.100
31	[illegible]	17.100	27.700	26.600	20.000	19.400	16.600	9.500	6.900	5.900	29.200
32	[illegible]	16.700	29.800	26.200	23.600	16.900	13.900	9.000	7.000	5.200	30.600
33	[illegible]	16.200	29.600	25.200	16.300	16.600	11.600	9.600	6.900	6.500	30.300
34	[illegible]	16.903	31.900	27.000	26.790	16.600	12.900	10.000	6.300	6.700	30.600
35	[illegible]	16.100	29.600	26.200	20.200	19.900	16.600	9.300	6.200	6.300	30.600
36	[illegible]	16.005	30.500	26.200	22.900	17.600	12.100	9.700	6.600	5.000	29.600
37	[illegible]	16.100	30.700	26.500	16.500	12.900	16.600	9.200	6.600	6.900	29.000
38	[illegible]	16.703	26.900	25.100	19.600	16.700	11.000	9.590	6.600	6.600	28.600
39	[illegible]	15.500	26.900	22.600	17.600	12.203	9.100	6.600	6.000	6.900	26.600
40	[illegible]	16.933	21.500	17.000	17.900	6.630	6.100	6.900	6.700	5.600	21.600
41	[illegible]	16.600	18.900	17.900	9.700	6.600	7.600	6.500	5.600	6.200	19.100
42	[illegible]	13.305	12.100	9.200	7.700	6.600	6.100	6.600	5.600	2.600	16.500
43	[illegible]	11.600	11.700	9.500	8.200	7.100	6.700	5.100	6.700	3.600	17.000
44	[illegible]	9.700	9.500	7.600	6.600	6.700	6.300	3.600	5.600	2.600	9.700
45	[illegible]	1.700	1.000	0.900	0.900	1.000	1.000	1.000	1.100	1.700	1.100

実験No.18 TITLE = CASE 9 (B) DATE 86/10/21 TIME 8159113

CH. INDEX		111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		13.700	13.700	13.700	13.700	13.700	13.700	13.800	14.100	13.800	13.700
FINAL		14.800	14.800	14.800	14.800	14.700	14.700	14.800	15.000	14.800	14.700
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0' 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0' 3	-0.100	-0.100	-0.100	-0.200	-0.100	0.0	-0.100	0.0	0.0	0.100
3	0' 6	-0.300	-0.100	-0.400	-0.300	-0.200	-0.100	-0.200	-0.100	0.0	0.0
4	0' 9	-0.100	-0.200	-0.300	-0.200	-0.100	-0.100	-0.200	-0.200	-0.200	-0.100
5	0'12	0.0	0.100	-0.100	0.100	0.200	0.100	0.0	-0.100	0.0	0.0
6	0'30	3.900	3.800	5.600	2.900	2.600	1.000	0.800	0.700	0.400	0.400
7	1' 0	9.400	8.700	8.900	6.700	5.900	3.900	3.300	5.900	5.900	4.700
8	1'30	12.000	11.700	11.200	9.700	7.900	5.800	5.800	9.800	8.900	6.700
9	2' 0	15.500	14.500	14.000	11.700	9.800	6.200	6.600	11.800	10.700	8.400
10	2'30	15.900	15.900	14.500	13.100	11.900	8.000	9.800	13.900	12.100	9.400
11	3' 0	18.500	17.300	15.900	12.600	14.800	8.200	6.100	14.700	12.700	10.000
12	3'30	19.800	17.100	15.800	13.700	11.100	8.800	6.100	16.100	14.800	10.700
13	4' 0	19.900	18.800	18.800	15.300	11.500	10.200	7.200	17.050	14.700	11.200
14	4'30	22.200	20.300	19.100	16.900	13.800	10.000	7.200	17.400	14.800	11.700
15	5' 0	22.800	20.500	19.200	17.500	14.900	10.800	6.700	18.900	14.900	11.800
16	5'30	22.500	20.200	17.800	15.800	12.200	10.100	6.700	19.000	14.100	12.900
17	6' 0	20.500	18.800	16.700	16.800	11.800	10.200	7.700	19.800	16.700	12.900
18	6'30	21.400	20.100	18.500	15.800	12.300	10.300	7.500	19.500	14.600	13.900
19	7' 0	24.300	22.200	20.200	16.500	13.300	10.900	7.400	20.100	17.100	13.800
20	7'30	24.600	21.800	19.800	17.700	14.800	11.100	7.800	20.500	17.000	13.900
21	8' 0	23.600	21.200	19.700	18.600	14.200	11.200	8.800	21.200	18.900	14.400
22	8'30	25.000	22.200	20.600	18.100	13.700	10.300	7.200	21.300	18.100	14.800
23	9' 0	25.200	22.500	20.600	17.500	13.800	10.500	7.200	21.800	18.700	15.100
24	9'30	25.100	23.100	21.000	16.800	12.200	9.300	6.500	22.200	20.400	16.800
25	10' 0	25.500	23.100	19.600	16.800	11.100	9.500	7.200	22.100	20.700	16.400
26	10'30	25.100	23.000	21.200	19.500	14.400	11.100	7.500	22.900	20.500	17.200
27	11' 0	25.600	23.800	19.800	19.600	12.900	10.200	7.200	23.200	20.100	16.800
28	11'30	26.500	24.200	22.000	19.300	14.900	10.900	7.400	23.200	20.300	17.100
29	12' 0	26.500	23.500	20.900	17.900	14.000	10.300	7.000	23.300	20.300	16.800
30	12'30	26.700	23.000	22.000	17.600	13.900	10.800	7.490	23.600	20.400	17.100
31	13' 0	27.400	24.500	22.800	18.600	14.800	10.700	7.500	24.400	22.700	18.000
32	13'30	28.300	24.800	21.700	18.800	13.900	10.800	7.100	24.500	22.300	18.800
33	14' 0	28.200	24.800	20.800	16.700	12.900	9.900	7.000	25.200	23.500	19.700
34	14'30	28.200	24.200	20.900	17.200	13.800	10.900	7.700	25.400	23.500	19.400
35	15' 0	28.300	25.200	21.900	17.100	13.900	14.800	7.200	25.900	23.200	19.400
36	15'30	27.400	24.300	20.900	18.000	13.800	11.000	8.000	25.100	22.900	19.900
37	16' 0	27.000	23.800	21.200	17.400	13.200	10.200	7.400	24.900	22.900	19.100
38	16'30	26.800	23.000	19.700	16.200	14.800	9.200	6.780	24.200	22.100	18.400
39	17' 0	25.100	21.900	19.900	17.500	14.000	9.800	7.200	23.700	22.000	18.500
40	17'30	21.600	19.700	18.800	17.100	14.900	10.800	7.200	22.600	19.500	16.700
41	18' 0	18.000	17.900	16.700	14.700	11.700	9.900	7.100	19.600	16.600	14.900
42	18'30	15.800	12.200	10.900	9.500	7.900	7.800	6.000	16.300	16.500	13.400
43	19' 0	11.000	9.700	7.900	8.800	9.900	6.000	6.900	13.800	12.700	11.900
44	19'30	8.500	7.800	6.100	5.600	5.200	5.300	6.400	11.100	10.400	10.400
45	[illegible]	0.900	0.900	0.700	0.900	1.000	1.000	1.000	0.900	1.000	1.000

TITLE = CASE 9 DATE 86/10/21 TIME 8159113

CH. INDEX		121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 38	126 T= 41	127 T= 42	128 T= 43	129 T= 44	130 T= 51
INITIAL		13.800	13.900	13.800	13.800	13.800	14.300	14.100	13.800	13.800	14.300
FINAL		14.800	14.800	14.700	14.700	14.700	15.200	14.700	14.800	14.700	15.300
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0' 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0' 3	0.0	0.0	0.0	-0.100	-0.100	-0.100	-0.300	0.0	0.0	0.100
3	0' 6	0.0	0.0	-0.100	-0.200	-0.200	-0.100	-0.400	-0.200	-0.100	0.100
4	0' 9	-0.100	-0.100	-0.200	-0.200	-0.200	-0.300	-0.400	-0.200	-0.200	0.0
5	0'12	0.0	0.0	-0.100	-0.100	0.0	-0.200	-0.400	-0.100	-0.100	0.0
6	0'30	0.400	0.400	0.400	0.400	0.400	0.0	-0.200	0.100	0.100	0.0
7	1' 0	4.300	2.800	2.700	2.800	3.000	7.000	5.700	3.500	1.700	2.900
8	1'30	6.400	4.800	4.800	4.300	4.200	9.900	8.900	5.000	5.400	6.700
9	2' 0	6.800	5.800	5.300	4.400	4.200	11.700	7.400	5.500	6.100	8.200
10	2'30	7.900	6.900	5.500	4.900	4.900	12.100	9.600	7.300	6.400	10.000
11	3' 0	6.100	6.500	5.400	4.900	4.100	13.900	11.500	8.500	5.400	11.900
12	3'30	6.500	6.800	5.900	4.800	5.900	15.700	13.800	9.700	6.300	12.400
13	4' 0	6.900	7.100	6.100	5.200	4.900	15.200	11.700	8.800	6.300	13.300
14	4'30	9.400	7.500	6.400	5.500	4.700	16.900	14.400	11.100	7.200	14.300
15	5' 0	9.400	7.400	6.400	5.700	5.800	18.900	17.000	13.700	8.000	15.100
16	5'30	10.100	8.100	7.000	5.900	6.500	18.900	16.500	12.800	9.300	15.900
17	6' 0	10.500	8.500	7.500	6.600	5.900	18.800	16.400	12.800	8.800	16.200
18	6'30	11.000	9.800	7.800	6.600	5.300	18.900	16.500	11.900	8.300	16.400
19	7' 0	11.100	9.200	8.100	6.500	5.400	19.800	17.500	13.700	8.500	16.900
20	7'30	11.100	9.400	8.100	6.600	5.300	20.400	18.000	13.900	9.700	17.100
21	8' 0	11.800	9.700	8.300	6.800	6.000	19.900	17.900	13.400	9.400	17.300
22	8'30	11.900	9.700	8.400	6.900	5.200	20.900	18.700	13.500	8.700	18.000
23	9' 0	12.100	9.400	8.700	6.100	4.500	20.900	18.700	14.400	8.400	18.400
24	9'30	13.100	10.300	8.700	6.700	5.000	21.600	19.100	13.400	8.400	18.400
25	10' 0	12.400	10.000	8.800	6.700	6.000	21.100	17.700	13.000	8.200	18.300
26	10'30	13.500	10.400	9.100	7.500	5.800	22.400	18.400	12.400	7.800	19.000
27	11' 0	13.500	10.900	9.100	7.400	5.100	21.900	19.000	13.900	7.800	19.300
28	11'30	13.800	11.400	9.700	7.900	6.200	22.400	19.200	13.400	7.400	19.400
29	12' 0	13.900	11.400	9.800	7.700	6.100	23.100	18.900	14.100	8.100	19.800
30	12'30	14.100	11.800	10.000	7.000	5.900	23.300	20.400	13.900	8.100	20.000
31	13' 0	14.500	11.800	10.800	7.800	6.500	23.000	19.100	13.400	7.500	20.000
32	13'30	15.300	12.700	10.400	8.800	6.600	23.800	19.700	13.000	8.000	20.500
33	14' 0	15.800	12.500	10.500	9.000	5.800	24.900	19.400	13.900	8.100	21.100
34	14'30	15.800	12.900	10.400	8.200	6.900	24.500	20.300	13.500	7.800	21.700
35	15' 0	15.900	13.100	11.100	9.100	7.600	25.700	20.200	14.700	8.300	21.800
36	15'30	15.700	12.600	10.700	8.400	6.900	24.500	20.700	13.600	8.200	21.400
37	16' 0	15.700	12.800	11.100	8.900	7.500	24.400	19.000	13.500	8.800	21.000
38	16'30	15.000	12.700	10.400	8.100	5.900	23.400	19.200	13.900	8.900	20.900
39	17' 0	14.900	11.900	10.100	7.700	6.500	23.400	19.200	14.800	8.900	20.700
40	17'30	13.400	11.000	9.100	6.900	6.900	20.700	17.800	13.300	8.500	19.700
41	18' 0	12.100	9.400	8.700	6.100	6.200	17.500	14.500	11.900	8.100	18.000
42	18'30	11.400	9.100	7.700	5.900	6.400	15.100	12.500	9.300	8.900	15.900
43	19' 0	10.300	8.800	7.100	5.400	6.500	11.100	8.700	8.400	9.800	13.400
44	19'30	9.350	7.900	6.700	5.503	6.500	9.200	7.000	5.800	9.100	11.100
45	[illegible]	1.000	1.000	0.900	0.900	0.900	0.900	0.800	0.900	0.900	1.000

TITLE = CASE 9 DATE 86/10/21 TIME 8159113

CH. INDEX		131 T= 52	132 T= 53	133 T= 54	134 T= 55	135 T= 61	136 T= 62	137 T= 63	138 T= 64	139 T= 71	140 T= 72
INITIAL		14.100	14.000	14.200	14.200	14.400	14.100	14.000	13.800	14.400	14.300
FINAL		15.100	14.900	14.900	14.800	15.500	15.200	15.000	14.800	15.500	15.700
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0' 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0' 3	0.100	-0.100	0.0	-0.100	0.100	0.100	0.100	0.100	-0.100	0.0
3	0' 6	0.100	-0.100	-0.100	-0.100	0.200	0.100	0.100	0.100	-0.100	0.0
4	0' 9	0.0	-0.100	-0.100	-0.400	-0.200	-0.100	-0.100	0.0	-0.200	-0.100
5	0'12	0.0	-0.200	-0.200	-0.100	-0.100	-0.200	-0.200	-0.100	-0.300	-0.200
6	0'30	0.100	0.0	0.102	0.0	0.100	0.100	0.100	0.200	-0.200	-0.100
7	1' 0	2.100	2.600	1.700	1.000	2.800	1.900	1.500	0.900	0.700	0.300
8	1'30	5.200	6.700	5.800	5.800	4.900	4.200	5.000	3.300	5.100	5.700
9	2' 0	7.500	7.800	5.800	5.900	4.800	7.700	4.100	4.700	7.100	6.900
10	2'30	9.400	10.100	4.500	5.400	4.800	8.000	6.100	4.800	7.700	7.300
11	3' 0	10.700	10.300	7.600	4.400	11.200	8.400	6.100	4.800	9.100	8.400
12	3'30	11.900	10.000	7.000	4.400	11.500	8.400	6.500	5.000	9.800	9.400
13	4' 0	12.400	9.500	6.500	4.132	12.300	9.400	7.100	5.500	11.300	11.100
14	4'30	12.900	10.800	7.700	4.907	12.700	10.000	7.000	5.400	10.800	10.500
15	5' 0	13.100	9.400	6.800	4.980	13.400	11.200	8.700	5.800	12.500	11.800
16	5'30	14.000	11.400	8.200	4.700	14.400	12.500	9.000	6.800	13.100	12.700
17	6' 0	14.400	11.400	7.800	4.706	14.400	12.300	9.000	6.900	13.900	13.100
18	6'30	14.900	11.500	9.000	4.400	14.400	12.400	9.500	6.800	13.900	13.800
19	7' 0	14.900	11.500	7.800	4.600	14.400	11.400	8.800	6.800	13.800	13.900
20	7'30	15.000	11.500	7.300	4.400	14.300	13.500	11.000	7.700	14.300	13.400
21	8' 0	15.300	11.300	7.500	4.800	15.500	14.100	11.500	8.800	14.800	13.900
22	8'30	16.300	12.330	6.500	5.400	16.700	13.700	11.100	8.200	15.300	14.400
23	9' 0	16.400	12.100	7.900	4.403	17.000	14.400	11.900	8.800	15.400	14.400
24	9'30	16.100	12.500	7.800	4.400	16.500	14.400	11.700	8.800	15.100	14.200
25	10' 0	15.900	12.200	8.100	4.800	17.000	14.400	11.100	7.700	15.200	14.800
26	10'30	16.500	13.400	8.200	5.033	16.000	14.700	11.500	7.800	15.700	13.800
27	11' 0	17.200	12.800	7.900	4.630	16.800	14.200	12.000	8.400	16.400	15.100
28	11'30	17.900	13.100	8.900	4.900	17.400	15.100	12.100	8.700	15.400	14.800
29	12' 0	18.000	13.100	7.900	4.800	16.200	15.400	12.700	8.700	16.100	14.900
30	12'30	17.900	12.400	8.200	4.900	16.500	14.000	12.700	8.700	16.100	14.600
31	13' 0	17.000	12.200	8.100	4.900	16.800	14.200	13.200	9.800	16.700	15.200
32	13'30	16.400	10.000	8.800	4.109	16.000	15.700	12.000	7.800	16.100	15.000
33	14' 0	16.700	15.100	9.700	4.000	16.100	16.000	12.500	8.300	16.900	15.500
34	14'30	18.000	14.703	10.500	5.800	19.900	16.400	12.800	8.000	17.500	14.400
35	15' 0	18.500	13.900	9.900	5.800	19.800	17.100	12.800	8.100	17.900	14.100
36	15'30	18.000	14.800	9.500	5.900	20.900	16.700	12.700	8.800	17.900	15.800
37	16' 0	18.900	14.100	9.200	5.800	20.800	17.800	13.000	8.800	17.500	15.500
38	16'30	18.900	14.403	9.300	5.200	19.400	16.900	11.900	8.100	17.400	15.700
39	17' 0	18.100	12.800	8.000	4.300	18.400	15.100	11.600	7.400	16.800	14.700
40	17'30	17.400	12.800	8.100	4.300	17.400	14.900	11.200	7.700	16.000	14.700
41	18' 0	16.700	12.000	9.200	5.300	16.833	13.200	10.200	7.200	15.500	14.400
42	18'30	15.100	10.700	7.800	4.000	14.000	11.700	7.900	6.000	13.500	13.700
43	19' 0	12.400	8.900	6.500	4.300	11.930	9.700	7.509	5.900	11.500	11.400
44	19'30	10.800	6.700	5.200	4.400	9.230	7.900	6.500	5.000	9.300	8.700
45	[illegible]	1.000	0.900	0.400	0.700	1.100	1.100	1.000	1.000	0.900	0.900

TITLE = CASE 9 DATE 86/10/21 TIME 8159113

CH. INDEX		141 T= 73	142 T= 74	143 T= 75	144 T= 81	145 T= 82	146 T= 83	147 T= 84	148 T= 91	149 T= 92	150 T= 93
INITIAL		14.200	14.100	14.100	14.700	14.460	14.700	14.500	14.800	14.400	14.200
FINAL		15.400	15.100	15.100	15.700	15.460	15.100	15.100	15.700	15.400	15.100
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0' 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0' 3	-0.200	0.100	0.100	0.0	0.0	0.100	0.100	0.100	0.100	0.100
3	0' 6	-0.200	0.100	0.100	-0.100	0.0	0.100	0.0	0.0	0.100	0.100
4	0' 9	-0.300	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	0.700	0.700
5	0'12	-0.500	-0.100	-0.100	-0.500	-0.200	-0.100	-0.100	0.0	0.0	0.0
6	0'30	-0.300	0.0	0.0	-0.100	-0.100	0.0	-0.100	-0.100	-0.100	-0.100
7	1' 0	0.100	0.200	0.200	-0.100	0.0	0.100	0.100	-0.100	0.0	0.0
8	1'30	4.200	2.730	2.100	3.700	2.700	1.700	3.100	0.800	1.700	0.900
9	2' 0	5.500	4.400	3.400	5.700	4.300	4.000	2.900	3.900	4.800	3.700
10	2'30	5.800	4.902	3.700	6.900	5.400	5.000	3.700	6.800	6.400	5.900
11	3' 0	7.000	5.500	6.000	9.700	6.600	6.000	6.300	5.700	7.100	9.000
12	3'30	7.600	5.800	6.500	9.000	7.500	6.700	6.900	6.900	7.700	6.500
13	4' 0	8.800	6.400	6.500	9.050	8.100	6.800	5.800	7.550	8.400	6.400
14	4'30	8.200	6.100	6.730	9.700	8.400	6.700	6.900	8.100	8.700	7.200
15	5' 0	9.700	7.100	5.100	10.900	8.400	6.700	5.000	8.800	9.300	7.200
16	5'30	9.800	7.100	6.600	11.000	8.700	6.800	6.900	9.100	9.800	8.400
17	6' 0	10.900	8.230	5.500	12.200	9.700	7.600	5.000	9.500	10.400	9.200
18	6'30	11.000	8.709	5.700	12.450	9.900	8.100	5.900	9.900	10.900	9.400
19	7' 0	10.400	6.800	5.700	12.900	14.000	8.200	6.700	10.400	11.700	9.000
20	7'30	10.300	6.100	5.400	12.700	9.750	7.900	6.100	10.300	10.700	9.000
21	8' 0	10.700	6.100	5.200	13.000	10.300	8.400	6.900	10.700	11.400	9.400
22	8'30	11.400	6.803	5.700	13.450	11.000	9.000	6.500	11.100	12.700	10.800
23	9' 0	10.800	6.800	5.800	13.700	11.000	8.900	6.800	11.500	12.400	10.400
24	9'30	11.100	7.900	5.200	13.400	11.600	9.100	6.500	11.700	12.700	10.800
25	10' 0	10.800	7.500	5.200	13.900	11.900	9.720	6.700	11.700	12.800	10.400
26	10'30	10.900	7.300	4.803	13.400	11.700	9.700	6.800	11.700	12.400	10.200
27	11' 0	11.300	8.100	5.300	14.900	12.300	9.800	6.700	11.900	12.700	9.900
28	11'30	10.500	7.400	4.900	13.800	12.400	9.700	6.700	12.400	13.000	10.400
29	12' 0	11.800	7.700	5.000	14.300	12.400	10.200	6.700	12.300	13.000	10.700
30	12'30	10.900	7.600	5.200	14.200	12.400	10.100	6.000	12.800	13.300	10.700
31	13' 0	11.100	7.800	5.300	14.600	12.400	10.800	7.500	12.400	12.800	10.800
32	13'30	10.900	7.100	5.100	14.400	12.700	10.400	6.900	12.900	13.500	11.000
33	14' 0	11.800	8.700	5.400	14.700	12.900	10.700	7.100	12.900	13.000	10.900
34	14'30	12.800	8.900	5.500	15.000	13.900	10.400	6.900	13.000	13.700	11.100
35	15' 0	12.100	8.700	5.600	15.700	14.000	10.400	7.100	13.500	14.000	11.900
36	15'30	12.900	8.700	6.000	15.503	13.700	11.100	7.400	13.500	13.800	11.800
37	16' 0	12.100	8.400	5.400	15.700	13.000	10.900	7.000	13.900	14.000	11.300
38	16'30	11.703	8.403	5.700	15.000	13.000	11.300	7.700	13.800	14.000	11.300
39	17' 0	11.909	7.400	5.900	15.100	13.900	11.000	7.800	13.800	13.700	10.900
40	17'30	11.900	7.500	4.800	14.500	13.100	10.300	6.700	13.300	13.000	9.900
41	18' 0	11.800	8.000	5.400	14.000	12.300	9.700	6.500	12.000	12.800	10.400
42	18'30	10.700	7.800	5.400	12.500	11.400	8.400	5.900	12.400	12.900	10.700
43	19' 0	9.802	7.000	5.100	11.000	10.000	7.700	5.600	11.700	10.900	9.100
44	19'30	7.000	5.700	4.400	8.700	8.100	6.100	5.100	10.000	9.400	7.800
45	[illegible]	0.600	1.000	1.000	1.000	1.000	0.900	0.800	0.900	1.000	0.900

TITLE • CASE 9　　DATE 86/10/21　　TIME 8159113

CH. INDEX		151 T= 99	152 T= 99	153 T=101	154 T=102	155 T=103	156 T=104	157 T=111	158 T=112	159 T=113	160 T=114
INITIAL		14.200	14.400	14.800	14.400	14.300	14.500	14.800	14.600	14.400	14.400
FINAL		15.050	15.200	15.700	15.300	15.100	15.200	15.800	15.500	15.300	15.100
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.100	0.100	0.0	0.100	0.100	-0.100	0.100	0.100	0.0	0.0
3	01 0	0.100	0.100	0.0	0.100	0.100	0.0	0.100	0.100	0.100	0.0
4	01 0	0.100	0.0	0.0	0.100	0.100	0.0	0.100	0.100	0.100	0.0
5	01 0	-0.100	0.0	0.0	0.100	-0.100	-0.200	0.100	0.100	0.100	0.0
6	01 30	-0.100	-0.100	0.0	0.0	-0.100	-0.200	0.200	0.0	0.0	-0.100
7	11 0	0.100	0.100	-0.100	0.0	0.0	-0.200	0.0	0.0	-0.100	-0.100
8	11 30	0.500	0.300	0.300	0.600	0.200	0.0	0.100	0.0	0.100	0.0
9	21 0	2.700	1.800	3.100	2.700	2.100	1.000	2.100	1.100	1.100	0.600
10	21 30	4.303	3.000	5.800	4.800	4.200	2.700	4.000	2.900	3.300	2.300
11	31 0	4.800	3.400	5.700	5.400	4.900	3.500	5.500	4.100	4.300	5.400
12	31 30	5.200	4.500	6.400	6.000	5.600	3.600	5.600	4.750	6.600	6.000
13	41 0	5.400	4.800	7.100	6.400	5.950	1.900	6.600	5.600	5.600	6.400
14	41 30	5.740	3.900	7.800	7.300	4.700	4.400	7.000	6.800	5.900	5.100
15	51 0	5.933	4.400	8.100	7.600	6.930	4.600	7.100	6.349	5.800	6.700
16	51 30	6.420	4.803	8.700	8.100	6.800	4.800	8.000	6.700	6.100	5.200
17	61 0	7.290	4.700	9.100	8.700	7.100	5.100	8.200	7.105	6.400	5.100
18	61 30	7.500	4.730	9.500	9.400	7.400	5.000	8.700	7.800	7.100	5.400
19	71 0	8.050	5.100	10.000	9.800	7.730	5.200	8.500	8.300	7.500	5.900
20	71 30	7.200	4.905	9.900	9.100	7.300	5.800	9.200	8.600	7.700	6.200
21	81 0	7.800	5.100	10.000	9.400	7.500	5.400	8.800	8.400	7.300	6.900
22	81 30	8.100	5.200	10.300	9.400	7.600	5.200	9.500	8.700	7.800	6.400
23	91 0	8.400	5.400	11.100	9.800	7.903	5.800	9.000	9.700	8.400	7.200
24	91 30	8.100	5.200	11.200	10.600	7.900	5.900	10.000	9.500	8.600	7.100
25	101 0	8.300	5.600	11.100	10.600	7.700	5.400	10.300	9.500	8.700	7.400
26	101 30	7.900	5.900	11.100	10.700	7.909	5.400	10.400	9.800	9.000	7.300
27	111 0	7.500	4.900	10.900	10.000	7.800	5.300	10.100	9.700	8.500	6.600
28	111 30	7.600	5.000	11.400	10.700	6.900	5.900	10.100	9.700	8.700	6.600
29	121 0	7.430	4.800	11.509	10.800	8.100	5.500	10.800	9.700	8.500	6.400
30	121 30	7.400	4.800	11.900	10.863	6.500	5.500	10.700	9.800	8.700	6.900
31	131 0	7.200	5.000	11.800	10.800	6.900	4.700	10.800	9.900	8.900	6.700
32	131 30	7.400	5.290	12.100	11.100	7.900	6.000	10.400	10.100	9.000	7.100
33	141 0	7.100	5.000	12.000	11.300	9.000	5.700	11.600	10.100	9.000	6.800
34	141 30	7.709	5.100	12.400	11.402	9.000	5.900	10.900	10.100	8.900	6.700
35	151 0	7.900	5.900	12.400	11.700	9.200	6.200	11.300	10.400	9.300	7.000
36	151 30	7.400	5.300	12.800	12.400	9.800	6.900	11.700	10.800	9.509	7.100
37	161 0	7.900	5.500	13.100	12.100	10.803	6.900	11.900	11.000	9.500	7.200
38	161 30	7.700	5.209	13.400	12.100	9.800	6.700	11.800	10.800	9.400	7.200
39	171 0	7.500	5.100	12.800	12.200	9.800	6.750	11.900	11.800	9.900	7.700
40	171 30	6.900	4.903	12.909	11.800	9.500	6.300	11.900	10.900	9.200	6.900
41	181 0	7.000	4.800	11.803	11.200	7.800	6.100	11.160	10.600	8.400	6.700
42	181 30	7.700	5.200	11.700	10.400	7.800	5.700	10.700	10.400	8.800	6.700
43	191 0	6.700	4.900	10.400	9.950	7.450	5.400	10.100	10.700	8.800	6.900
44	191 30	6.100	4.400	9.500	9.000	6.800	5.500	8.900	9.100	7.400	6.900
45	171 24	0.800	0.900	0.900	0.950	0.800	0.700	1.000	0.900	0.980	0.700

TITLE • CASE 9　　DATE 86/10/21　　TIME 8159113

CH. INDEX		161 T=115	162 T=121	163 T=122	164 T=123	165 T=124	166 T=131	167 T=132	168 T=133	169 T=134	170 T=135
INITIAL		14.500	15.000	14.800	14.500	14.500	15.000	14.800	14.800	14.900	14.700
FINAL		15.300	15.400	15.600	15.203	15.270	15.700	15.600	15.200	15.700	15.300
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.100	0.0	0.0	0.0	0.100	0.0	0.100	0.0	-0.100
3	01 0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	0.0
4	01 0	0.100	0.0	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	-0.100
5	01 0	0.0	0.0	0.100	0.100	0.100	-0.100	-0.100	0.100	0.0	-0.100
6	01 30	-0.100	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	0.0
7	11 0	-0.100	0.0	-0.100	-0.200	-0.200	0.0	0.0	0.0	-0.100	-0.100
8	11 30	0.0	0.0	0.0	-0.100	0.0	0.0	-0.200	-0.100	-0.100	-0.200
9	21 0	0.100	-0.100	0.100	0.100	0.0	-0.100	-0.200	-0.100	0.0	-0.100
10	21 30	1.400	1.400	1.400	1.100	0.600	0.900	0.700	0.400	0.300	0.0
11	31 0	2.600	2.400	4.700	2.400	2.200	3.000	2.400	2.400	1.700	0.700
12	31 30	3.133	3.600	4.400	3.400	3.600	4.100	4.000	3.700	3.200	1.600
13	41 0	3.650	4.100	4.900	4.300	3.400	4.300	4.300	4.000	3.600	2.600
14	41 30	4.400	4.400	5.500	4.500	3.900	4.900	4.900	4.600	3.900	2.900
15	51 0	3.700	5.600	5.700	5.000	4.200	5.600	5.500	4.800	4.300	3.200
16	51 30	4.100	5.700	6.100	5.907	4.100	5.600	5.700	5.100	4.500	3.500
17	61 0	4.001	6.130	6.200	5.400	4.700	6.100	5.600	5.600	4.600	3.600
18	61 30	4.803	6.500	6.400	6.230	4.800	6.400	6.500	5.500	4.800	3.800
19	71 0	4.503	7.600	7.100	6.400	5.200	6.600	6.800	5.700	4.900	3.800
20	71 30	4.709	7.100	7.600	6.725	5.500	7.100	7.100	6.200	5.200	4.000
21	81 0	4.600	7.400	7.400	6.800	5.400	7.400	7.400	6.400	5.600	4.200
22	81 30	4.700	7.400	7.200	6.600	5.700	7.200	7.200	6.300	5.500	4.200
23	91 0	5.200	7.700	7.800	6.700	5.465	7.400	7.400	6.500	5.700	4.400
24	91 30	5.300	8.100	8.100	7.400	5.500	7.400	7.400	7.000	6.100	4.500
25	101 0	5.100	8.100	8.100	7.210	5.600	8.100	8.100	7.200	6.200	4.800
26	101 30	5.100	8.100	8.100	7.000	5.400	7.900	8.100	7.200	6.000	4.700
27	111 0	4.900	8.400	8.400	7.400	5.450	7.900	8.100	7.300	6.300	4.400
28	111 30	4.903	8.100	8.300	6.400	5.400	8.200	8.100	7.300	6.100	4.700
29	121 0	5.001	8.700	8.400	7.300	5.400	8.000	8.100	7.700	6.000	4.400
30	121 30	5.000	8.420	8.600	6.400	5.500	8.500	8.200	7.100	5.900	4.400
31	131 0	5.009	8.700	8.700	7.400	5.600	8.300	8.400	7.400	6.000	4.900
32	131 30	5.800	8.800	8.800	7.200	5.700	8.400	8.306	7.400	6.800	4.900
33	141 0	5.100	8.900	8.900	7.400	5.900	8.800	8.700	7.400	6.200	4.400
34	141 30	5.000	9.000	9.000	7.500	5.800	8.700	8.400	7.400	6.000	4.700
35	151 0	5.300	9.150	9.400	8.000	6.200	8.700	8.700	7.600	6.100	4.400
36	151 30	5.200	9.150	9.400	8.800	6.100	9.000	9.000	7.800	6.600	4.700
37	161 0	5.400	9.400	9.800	8.400	6.300	9.100	9.100	7.900	6.800	4.900
38	161 30	5.400	9.700	10.000	8.600	6.700	9.500	9.400	8.200	7.000	4.900
39	171 0	5.300	9.700	9.400	8.300	6.400	9.400	9.100	8.000	6.700	5.000
40	171 30	5.100	9.700	9.900	8.400	6.900	9.900	9.400	8.000	6.700	4.900
41	181 0	5.900	9.400	9.800	8.100	6.100	9.950	9.400	8.100	6.400	5.000
42	181 30	5.001	9.100	9.100	7.700	5.800	9.100	9.400	7.400	6.100	4.700
43	191 0	5.103	9.200	8.900	7.500	5.800	8.400	8.400	7.500	6.000	4.500
44	191 30	4.703	8.800	8.100	6.720	5.500	8.400	8.400	7.600	5.500	4.700
45	171 24	0.800	0.800	0.800	0.700	0.700	0.700	0.500	0.400	0.700	0.400

TITLE • CASE 9　　DATE 86/10/21　　TIME 8159113

CH. INDEX		201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31	208 S= 32	209 S= 33	210 S= 34
INITIAL		0.150	0.141	0.159	0.149	0.170	0.146	0.141	0.129	0.155	0.156
FINAL		0.149	0.156	0.155	0.149	0.147	0.142	0.141	0.120	0.153	0.155
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.090	100.000	100.000	100.000	100.000
2	01 0	100.185	100.515	100.920	100.215	100.250	100.282	100.305	100.725	100.426	100.204
3	01 0	100.216	100.470	101.199	100.409	100.300	100.281	100.447	100.818	100.407	100.230
4	01 0	100.186	100.552	101.093	100.350	100.306	100.361	100.444	100.941	100.501	100.717
5	01 0	100.186	100.926	101.761	100.409	100.395	100.470	100.409	101.100	100.769	100.376
6	01 30	99.266	100.496	101.093	100.125	100.148	100.445	99.857	100.625	100.962	100.365
7	11 0	90.861	95.951	91.398	96.799	96.462	97.665	92.426	97.152	98.375	99.086
8	11 30	85.867	91.661	81.265	89.260	92.740	96.916	76.240	86.833	89.860	95.872
9	21 0	91.174	95.902	91.764	95.886	96.981	97.666	85.108	97.721	96.620	97.712
10	21 30	91.987	96.823	95.961	96.665	96.372	96.250	87.012	95.856	95.627	97.859
11	31 0	92.720	95.900	91.682	95.969	96.626	96.776	91.161	98.089	97.727	98.471
12	31 30	95.265	97.526	96.666	98.098	97.318	98.036	89.017	96.211	95.699	98.581
13	41 0	96.611	97.228	96.119	98.100	97.540	97.567	91.160	96.196	98.390	98.346
14	41 30	96.262	97.826	99.901	97.959	97.261	98.991	96.726	103.187	99.876	99.227
15	51 0	96.065	91.961	96.155	92.904	97.207	98.079	87.566	97.665	96.975	97.129
16	51 30	92.987	96.869	97.667	95.952	95.065	96.738	95.601	96.119	97.087	95.882
17	61 0	91.717	95.610	92.566	97.229	95.709	98.030	89.726	99.717	95.667	97.041
18	61 30	92.105	95.201	91.969	96.697	95.307	96.866	97.776	102.697	97.811	98.675
19	71 0	95.075	95.112	92.907	97.360	96.268	97.799	92.626	101.201	96.499	97.687
20	71 30	92.230	95.208	91.317	96.208	95.668	97.183	96.596	105.297	98.508	98.748
21	81 0	95.659	96.137	96.055	99.176	97.716	97.811	95.690	105.110	98.211	98.518
22	81 30	96.795	97.651	97.168	100.926	98.612	99.219	99.576	107.270	100.400	99.169
23	91 0	97.237	91.301	91.892	95.609	92.615	93.766	86.150	102.712	97.896	97.789
24	91 30	90.829	96.090	88.956	96.689	96.868	95.609	96.768	98.986	97.166	96.863
25	101 0	92.024	96.165	90.905	97.616	96.907	96.921	96.563	105.563	97.559	97.569
26	101 30	92.955	95.009	91.890	97.959	95.726	97.402	96.059	106.295	97.874	97.576
27	111 0	92.906	96.582	91.867	97.939	95.669	96.817	96.739	106.366	96.351	96.805
28	111 30	92.308	98.581	92.225	98.161	95.215	98.268	96.156	107.015	97.701	97.706
29	121 0	76.860	95.511	91.708	99.586	96.610	96.951	96.286	107.587	96.958	97.125
30	121 30	92.592	96.317	95.301	100.671	97.765	98.636	100.767	110.558	96.729	98.667
31	131 0	96.749	96.522	96.679	100.812	97.826	98.872	103.065	112.101	100.723	99.016
32	131 30	96.670	96.063	99.816	100.758	97.667	98.701	102.902	112.576	100.555	98.805
33	141 0	96.175	95.852	95.911	102.619	97.536	98.608	102.672	112.359	100.291	98.767
34	141 30	96.135	95.827	95.709	100.990	97.626	98.565	102.835	112.686	100.375	98.677
35	151 0	96.033	95.360	96.882	100.300	97.251	98.361	102.665	111.905	100.116	98.596
36	151 30	95.716	96.695	95.648	100.219	96.906	98.036	102.658	111.965	99.696	98.429
37	161 0	95.691	96.122	92.825	100.128	96.812	98.012	102.586	111.527	99.665	98.216
38	161 30	95.662	96.362	95.801	100.264	96.898	98.171	102.778	111.510	99.886	98.268
39	171 0	95.666	96.599	96.815	100.282	97.016	98.621	103.219	112.268	100.323	98.565
40	171 30	95.773	95.071	95.767	100.285	97.155	98.576	103.600	112.565	100.433	98.526
41	181 0	95.515	96.861	95.519	100.161	96.681	98.606	103.607	112.576	100.510	98.675
42	181 30	95.613	96.929	95.601	100.096	96.955	98.627	103.356	111.960	100.652	98.667
43	191 0	95.291	96.717	95.688	100.007	96.986	98.619	103.276	111.992	100.652	98.655
44	191 30	95.089	96.385	95.099	99.866	96.812	98.398	103.167	111.635	100.360	98.294
45	171 24	93.660	96.360	96.766	99.562	96.761	98.726	99.983	108.600	98.516	99.265

TITLE • CASE 9　　DATE 86/10/21　　TIME 8159113

CH. INDEX		211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 51	217 S= 52	218 S= 53	219 S= 54	220 S= 55
INITIAL		0.157	0.101	0.158	0.160	0.160	0.127	0.136	0.159	0.158	0.155
FINAL		0.157	0.105	0.117	0.158	0.159	0.126	0.135	0.156	0.150	0.156
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.050	100.200	100.000	100.000	100.060	100.000	100.000	100.000	100.000	100.000
2	01 0	100.665	100.616	100.185	100.085	100.926	100.220	100.150	100.066	100.800	100.877
3	01 0	123.595	101.056	100.297	100.115	100.576	100.669	100.293	100.162	100.661	100.892
4	01 0	102.548	102.905	100.282	100.131	100.661	100.838	100.557	100.200	101.228	101.266
5	01 0	100.902	100.775	100.293	100.135	100.800	100.585	100.515	100.165	101.555	101.675
6	01 30	101.812	100.298	100.109	100.131	101.115	100.220	100.065	100.168	101.828	101.912
7	11 0	96.057	91.659	97.284	96.467	99.667	97.585	98.095	99.769	101.575	101.563
8	11 30	95.679	90.515	91.685	93.600	96.178	98.072	91.666	96.291	96.162	96.809
9	21 0	97.568	88.062	96.219	96.005	97.527	95.666	87.187	95.569	96.080	96.196
10	21 30	97.067	93.926	95.289	95.657	96.568	91.690	92.766	96.065	95.668	97.727
11	31 0	96.752	93.926	96.661	96.612	97.655	95.159	95.765	99.565	97.671	98.116
12	31 30	95.665	96.660	96.159	96.812	96.066	96.870	95.925	96.622	98.785	99.176
13	41 0	90.781	99.296	95.726	96.206	97.569	96.116	95.175	96.605	98.605	99.193
14	41 30	99.365	104.161	97.666	97.575	96.735	96.126	96.656	96.967	99.157	98.960
15	51 0	97.671	103.062	97.266	96.661	97.076	99.561	98.071	99.962	100.667	99.051
16	51 30	96.114	85.556	85.086	86.568	71.556	89.671	88.661	97.876	96.866	98.866
17	61 0	96.117	101.172	86.187	96.058	95.505	96.731	96.106	96.876	95.366	97.552
18	61 30	97.676	101.760	95.612	96.867	95.666	99.116	95.616	95.555	96.666	96.713
19	71 0	98.660	103.600	96.660	95.558	95.667	99.162	96.680	97.115	98.176	99.266
20	71 30	96.015	106.275	97.176	95.265	95.617	101.265	97.067	96.762	99.655	99.186
21	81 0	98.365	107.796	96.679	96.061	96.105	101.176	97.705	96.965	98.616	98.508
22	81 30	99.156	116.656	111.671	98.962	96.761	106.910	98.876	96.178	100.100	99.665
23	91 0	96.619	108.156	96.975	96.631	96.961	105.368	100.059	98.676	98.551	97.056
24	91 30	97.032	99.961	91.577	91.176	96.651	96.316	97.566	97.566	95.880	95.860
25	101 0	96.669	106.075	95.566	96.750	96.160	102.212	96.867	95.667	98.258	98.501
26	101 30	97.666	106.695	96.758	95.612	96.887	102.109	96.881	95.715	98.108	97.888
27	111 0	98.676	108.082	96.865	95.205	97.276	101.861	97.107	97.597	99.030	98.961
28	111 30	97.266	106.951	97.602	95.607	96.875	103.927	97.655	96.776	98.865	98.356
29	121 0	97.666	111.562	97.616	96.656	96.112	106.100	97.776	96.672	99.267	98.631
30	121 30	98.692	115.616	98.166	97.167	97.662	106.567	100.137	96.767	99.166	98.577
31	131 0	96.656	110.866	101.257	96.675	96.617	106.608	101.591	99.672	101.006	99.765
32	131 30	99.175	119.525	101.187	96.866	96.736	109.177	102.670	99.796	101.061	99.556
33	141 0	98.965	120.669	101.695	96.700	96.676	108.376	102.256	99.660	101.255	99.056
34	141 30	96.167	119.020	100.680	96.656	96.766	106.056	102.165	99.569	101.201	99.560
35	151 0	97.616	119.616	100.687	96.657	96.526	106.993	101.677	99.356	100.766	99.061
36	151 30	96.520	119.665	100.767	98.566	97.627	106.676	102.266	99.776	99.665	98.166
37	161 0	97.601	120.520	103.716	96.657	97.615	106.166	102.105	96.621	96.686	97.951
38	161 30	97.760	120.062	100.550	96.612	96.297	106.562	102.556	99.688	100.661	98.605
39	171 0	96.156	120.061	100.670	96.566	96.665	106.866	102.090	99.728	101.707	99.766
40	171 30	99.651	120.609	100.670	96.665	96.267	106.665	101.036	99.775	102.100	100.615
41	181 0	98.672	120.576	103.106	96.275	98.676	106.666	101.916	99.109	102.206	100.566
42	181 30	96.667	120.726	100.202	96.226	96.616	109.762	101.656	99.200	102.165	100.575
43	191 0	96.516	120.161	100.116	96.175	96.675	106.756	101.995	99.131	102.516	100.516
44	191 30	96.667	120.510	100.065	96.125	96.159	102.660	101.665	99.097	102.676	100.666
45	171 24	99.720	106.626	98.958	90.665	96.965	96.666	99.303	99.105	99.876	99.606

TITLE = CASE 9   DATE 86/10/21   TIME 8159113

CH. INDEX		221 S= 61	222 S= 62	223 S= 63	224 S= 71	225 S= 72	226 S= 81	227 S= 82	228 S= 83	229 S= 91	230 S= 92
INITIAL		0.133	0.196	0.154	0.145	0.161	0.149	0.156	0.160	0.151	0.166
FINAL		0.131	0.156	0.155	0.166	0.160	0.159	0.155	0.159	0.169	0.163
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 1	100.040	100.014	100.015	99.999	100.145	99.999	100.071	100.066	99.967	100.017
3	01 0	100.263	100.083	100.065	100.000	100.368	100.820	100.116	100.063	99.974	100.037
4	01 0	100.394	100.167	100.143	100.173	100.552	100.116	100.193	100.088	100.093	100.079
5	01 0	100.471	100.140	100.193	100.721	100.696	100.183	100.270	100.125	100.176	100.118
6	0130	100.383	100.128	100.180	100.114	100.816	130.217	100.321	100.138	100.139	100.172
7	11 0	99.195	99.865	100.180	99.710	100.885	100.149	100.309	100.166	100.079	100.122
8	1130	98.179	97.098	99.326	99.871	98.926	90.356	99.839	100.081	99.650	100.106
9	21 0	88.669	91.165	95.650	88.616	91.898	95.366	96.387	97.367	99.895	97.794
10	2130	96.952	96.271	99.606	92.522	95.856	91.816	96.324	95.666	98.815	91.067
11	31 0	96.587	95.696	90.251	87.999	70.367	93.921	96.671	97.191	93.704	96.910
12	3130	98.227	97.585	99.053	95.269	96.098	96.961	97.686	97.779	99.115	96.149
13	41 0	99.166	97.500	97.083	98.663	78.856	99.857	97.680	98.170	95.775	96.668
14	4130	100.285	96.983	98.367	96.966	97.219	96.662	98.219	98.925	95.061	96.396
15	51 0	102.737	98.181	99.493	96.683	98.678	96.910	98.689	98.161	95.673	96.193
16	5130	99.666	95.266	96.030	95.690	98.678	98.193	99.186	98.709	97.269	97.699
17	61 0	96.396	97.511	96.876	87.971	92.605	89.828	96.067	96.853	96.656	96.566
18	6130	101.867	96.079	98.361	91.750	96.821	95.261	96.082	97.266	98.178	89.665
19	71 0	102.581	96.996	95.972	34.310	97.777	96.876	97.089	97.672	96.816	96.674
20	7130	102.679	98.321	98.626	55.885	99.172	97.077	97.699	98.816	95.860	98.173
21	81 0	103.528	97.158	96.617	96.806	96.566	97.100	98.290	98.709	95.285	96.859
22	8130	105.506	97.756	96.615	96.878	96.716	98.896	97.660	97.681	95.816	95.771
23	91 0	105.271	98.796	99.876	100.105	102.981	100.401	99.216	99.093	96.396	96.143
24	9130	100.075	96.888	97.170	96.117	100.796	99.368	99.656	99.297	96.600	96.507
25	101 0	99.656	96.087	97.671	96.887	97.826	93.208	96.331	96.708	92.166	91.756
26	10130	133.691	96.617	98.636	96.751	100.111	95.067	99.671	97.985	92.918	95.615
27	111 0	103.395	96.810	85.820	95.595	100.685	97.200	97.168	98.673	96.908	95.936
28	11130	106.636	96.957	98.671	96.057	100.666	96.672	97.693	98.799	95.077	96.070
29	121 0	104.216	96.905	99.216	96.666	101.578	98.302	97.667	98.676	95.908	95.558
30	12130	103.868	97.900	98.658	96.516	101.768	98.066	97.178	98.976	95.973	95.602
31	131 0	104.365	98.860	99.772	99.921	103.665	99.878	98.135	99.155	96.707	95.960
32	13130	107.271	99.757	100.377	100.711	105.275	101.419	99.325	99.000	98.228	99.166
33	141 0	107.271	99.668	100.298	100.888	105.550	101.861	100.168	100.131	99.411	99.129
34	14130	108.963	99.450	100.196	100.752	105.925	101.768	100.077	100.056	99.605	99.063
35	151 0	107.031	99.321	100.872	100.600	105.565	101.508	99.775	99.768	99.136	99.751
36	15130	107.091	99.160	100.091	100.665	105.810	101.508	99.698	99.768	99.054	98.605
37	161 0	107.188	99.591	100.292	100.690	105.615	101.562	99.666	99.781	99.080	98.586
38	16130	107.068	99.316	100.219	100.681	105.665	101.562	99.691	99.929	99.107	98.708
39	171 0	107.091	99.270	100.208	103.512	105.698	101.562	99.679	99.950	99.107	98.769
40	17130	107.175	99.261	100.195	103.590	107.085	101.655	99.550	99.908	99.068	98.708
41	181 0	107.091	99.218	100.195	100.518	108.187	101.606	99.699	99.896	99.988	98.690
42	18130	106.910	99.196	100.156	100.663	106.925	101.655	99.621	99.881	99.660	98.678
43	191 0	108.768	99.090	100.117	100.669	106.342	101.300	99.104	99.831	99.807	98.627
44	19130	106.688	99.820	100.117	109.311	106.276	101.300	99.166	99.796	98.955	98.586
45	47124	98.100	98.821	100.598	99.256	104.695	98.298	99.569	99.667	98.737	99.299

TITLE = CASE 9   DATE 86/10/21   TIME 8159113

CH. INDEX		231 S=101	232 S=102	233 S=103	234 S=111	235 S=112	236 S=121	237 S=122	238 S=123	239 S=131	240 S=132
INITIAL		0.161	0.166	0.156	0.150	0.165	0.139	0.153	0.165	0.152	0.155
FINAL		0.158	0.162	0.157	0.150	0.165	0.133	0.151	0.163	0.152	0.156
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	91 0	100.000	100.000	100.000	100.000	100.038	100.000	100.000	100.000	100.000	100.000
2	91 0	100.017	100.006	100.019	100.067	100.012	100.266	100.015	100.121	100.076	100.013
3	91 0	100.025	100.018	100.019	100.107	100.018	100.396	100.070	100.176	100.070	100.076
4	91 0	100.056	100.060	100.026	100.173	100.062	100.606	100.076	100.188	100.175	100.050
5	91 0	100.093	100.073	100.070	100.251	100.142	100.576	100.026	100.263	100.198	100.052
6	1130	100.118	100.091	100.096	100.320	100.075	100.655	100.059	100.737	100.206	100.065
7	11 0	100.131	100.097	100.178	100.348	100.070	100.509	100.050	100.164	100.265	100.006
8	1130	100.116	100.106	100.187	100.620	100.085	100.347	100.033	100.097	100.309	100.091
9	21 0	97.617	98.922	100.026	99.707	100.047	100.569	100.035	100.280	100.328	100.103
10	2130	99.662	95.396	97.350	93.667	98.397	96.901	99.915	100.042	100.223	100.110
11	31 0	95.750	95.778	95.656	99.118	95.178	89.157	99.689	99.778	98.712	99.480
12	3130	96.266	97.252	97.216	95.071	96.661	89.327	99.666	97.008	96.610	97.200
13	41 0	98.611	97.021	97.570	91.708	97.302	97.656	99.505	98.178	97.359	96.366
14	4130	95.679	96.866	98.016	96.670	97.670	93.556	99.677	98.963	98.088	97.808
15	51 0	99.585	97.666	98.035	96.662	97.362	93.366	99.570	98.367	98.560	98.071
16	5130	98.855	97.568	98.650	95.538	97.366	96.376	99.672	98.657	98.266	98.808
17	61 0	98.736	97.653	98.868	97.516	96.756	96.317	99.609	88.515	98.176	97.911
18	6130	98.115	93.556	96.365	91.767	96.667	95.577	99.666	96.966	98.979	98.636
19	71 0	96.775	96.716	97.627	87.555	95.706	85.675	99.127	97.566	98.062	98.138
20	7130	96.621	96.515	96.650	91.336	75.771	90.700	99.133	97.172	96.066	95.371
21	81 0	99.280	96.771	98.675	95.159	96.771	91.430	99.570	97.657	97.556	96.076
22	8130	79.259	96.666	98.197	96.665	91.616	91.156	99.575	98.106	97.812	96.097
23	91 0	99.176	97.112	97.965	95.656	96.619	97.168	99.583	98.156	98.706	97.090
24	9130	97.668	98.550	99.252	96.377	97.771	92.108	99.277	98.071	98.005	97.726
25	101 0	97.350	97.666	98.637	98.176	98.066	96.767	99.518	98.660	98.776	97.505
26	10130	91.662	96.262	76.566	97.601	95.366	96.756	99.670	98.877	99.678	98.810
27	111 0	96.105	95.510	97.955	91.609	95.600	87.617	98.905	97.511	99.750	97.659
28	11130	96.571	96.777	97.935	96.276	96.172	96.786	99.016	97.887	96.600	99.577
29	121 0	95.155	96.606	98.606	95.679	96.801	91.369	98.951	97.616	97.681	96.776
30	12130	93.112	96.665	98.073	96.677	96.601	97.665	99.127	98.176	97.966	97.311
31	131 0	95.734	96.736	97.817	96.783	96.060	92.575	99.133	96.173	98.055	97.666
32	13130	96.829	97.075	99.060	97.396	96.606	92.970	99.133	98.065	98.706	97.656
33	141 0	98.501	98.326	99.731	99.507	98.510	96.780	99.166	98.312	98.358	97.557
34	14130	98.765	98.672	99.882	101.652	99.005	97.661	99.270	99.108	98.916	98.661
35	151 0	96.619	99.550	99.731	101.659	99.080	97.865	99.251	99.067	99.757	99.075
36	15130	93.505	99.177	99.507	101.537	99.895	97.566	99.231	98.956	99.777	99.133
37	161 0	98.352	90.126	99.530	101.105	98.062	97.155	99.160	98.878	99.677	99.066
38	16130	90.628	99.161	99.610	101.697	99.016	97.180	99.006	98.755	99.586	98.901
39	171 0	96.620	99.176	99.666	101.765	98.887	97.710	99.055	98.960	99.551	98.888
40	17130	99.377	98.278	99.609	101.565	98.817	95.816	99.029	99.169	99.560	98.933
41	181 0	96.765	98.178	99.666	101.808	90.812	97.667	96.096	99.888	99.580	98.950
42	18130	99.736	96.117	99.695	101.858	96.869	97.865	99.918	99.067	99.560	98.077
43	191 0	96.175	98.050	99.761	101.865	96.911	97.657	98.860	99.070	99.587	98.806
44	19130	98.177	97.906	99.760	101.751	96.917	97.668	98.787	98.976	99.668	98.675
45	37124	98.675	98.690	100.296	99.756	99.752	97.933	98.202	99.089	99.796	99.353

TITLE = CASE 9   DATE 86/10/21   TIME 8159113

CH. INDEX		250 V= 21	251 V= 22	252 V= 23	253 V= 24	254 V= 25	255 V= 26	256 V= 27	257 V= 28	258 V= 29	259 V= 71
INITIAL		0.105	0.117	0.126	0.133	0.131	0.127	0.125	0.121	0.126	0.082
FINAL		0.111	0.121	0.120	0.125	0.131	0.127	0.132	0.118	0.108	0.071
LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	01 0	1.801	2.012	2.136	2.281	2.246	2.176	2.176	2.176	2.166	1.619
2	01 0	1.967	2.078	2.059	2.110	2.097	2.076	2.258	2.226	2.258	1.701
3	01 0	2.156	2.092	2.085	2.172	2.277	2.305	2.117	2.016	1.966	1.960
4	01 0	1.990	2.095	1.988	1.956	2.017	1.960	2.035	1.899	1.913	0.990
5	01 0	1.852	1.962	1.966	2.162	2.065	2.036	2.122	2.276	2.717	1.509
6	0130	2.251	2.251	2.136	2.109	2.140	2.226	2.112	2.117	1.906	1.680
7	11 0	2.263	2.276	2.129	2.068	2.006	1.986	2.008	2.215	2.766	1.717
8	1130	2.061	2.216	2.198	2.619	2.226	2.219	2.229	2.161	2.576	1.686
9	21 0	1.985	2.105	1.573	2.061	2.076	1.990	2.265	2.572	2.565	1.706
10	2130	2.299	2.170	1.676	2.049	2.092	2.021	1.975	2.255	2.557	1.553
11	31 0	2.287	2.367	2.326	2.227	2.607	1.992	2.157	2.218	2.512	1.813
12	3130	1.923	1.952	1.862	1.852	1.976	1.966	2.161	2.276	2.520	1.969
13	41 0	2.155	2.160	2.070	2.156	1.966	1.877	1.899	2.051	2.167	2.960
14	4130	2.060	2.012	1.969	2.027	2.057	2.016	2.105	2.251	2.267	1.722
15	51 0	2.266	2.716	2.089	2.028	1.918	2.178	2.680	2.277	2.276	1.921
16	5130	2.293	2.752	2.208	2.159	2.162	2.143	2.067	2.076	2.100	1.966
17	61 0	2.255	2.256	2.121	2.166	2.190	2.251	2.658	2.669	2.700	1.887
18	6130	1.970	1.911	1.815	1.866	1.570	2.050	2.196	2.670	2.597	1.818
19	71 0	2.160	2.145	1.966	1.902	1.799	2.062	2.176	2.572	2.610	2.203
20	7130	2.366	2.316	1.997	1.928	1.970	2.281	2.018	2.166	2.339	2.379
21	81 0	2.093	2.716	2.116	2.167	2.276	2.193	2.272	2.265	2.266	1.626
22	8130	1.959	1.920	1.771	1.082	2.016	1.766	2.169	2.585	2.585	2.169
23	91 0	2.350	2.219	2.112	2.098	1.526	1.957	2.362	2.605	2.675	2.277
24	9130	2.060	2.161	2.076	2.159	2.011	2.076	1.883	2.756	2.178	1.885
25	101 0	2.262	2.515	2.255	2.092	1.935	1.887	1.882	2.712	2.313	1.852
26	10130	1.765	1.960	1.962	2.076	2.196	2.167	2.176	2.515	2.277	1.896
27	111 0	2.169	1.900	1.711	1.610	1.511	2.007	2.196	2.551	2.685	2.116
28	11130	2.067	1.072	1.993	1.573	1.669	2.066	2.215	2.591	2.677	2.067
29	121 0	2.160	2.216	1.933	1.907	1.627	1.966	2.276	2.276	2.672	2.067
30	12130	2.107	2.110	2.160	2.055	2.021	2.078	2.300	2.561	2.585	2.152
31	131 0	2.155	2.050	1.890	1.866	1.867	1.860	2.212	2.522	2.871	1.870
32	13130	2.301	2.290	2.106	2.007	2.016	2.002	2.150	2.320	2.727	1.850
33	141 0	2.615	2.151	2.166	2.016	1.960	2.161	2.665	2.665	2.513	2.035
34	14130	2.536	2.191	2.107	2.217	2.133	2.161	2.576	2.620	2.216	1.796
35	151 0	2.136	2.157	2.221	2.176	2.136	2.067	2.216	2.202	2.267	1.916
36	15130	2.062	2.109	1.999	2.019	2.026	2.026	2.216	2.670	2.100	2.073
37	161 0	1.952	2.067	1.927	1.959	1.908	1.992	2.179	2.605	2.660	1.906
38	16130	2.126	2.102	1.859	1.856	1.899	1.978	2.327	2.658	2.625	1.986
39	171 0	2.190	2.167	2.073	1.932	2.176	2.006	2.361	2.379	2.796	1.952
40	17130	1.974	1.997	1.897	1.858	1.665	2.026	2.263	2.236	2.637	2.045
41	181 0	1.898	1.885	2.062	2.183	2.229	2.199	2.689	2.389	2.367	2.011
42	18130	1.610	1.803	1.879	1.918	1.999	2.117	2.281	2.522	2.670	1.876
43	191 0	1.979	2.066	1.923	2.057	2.156	2.071	2.669	2.695	2.761	1.908
44	19130	2.121	2.210	2.081	2.057	2.122	2.121	2.355	2.386	2.366	1.335
45	47124	1.988	2.076	2.073	2.157	2.268	2.193	2.267	2.033	1.866	1.714

TITLE = CASE 9   DATE 86/10/21   TIME 8159113

CH. INDEX		260 V= 72	261 V= 73	262 V= 74	263 V=121	264 V=122	265 V=123	266 V=124
INITIAL		0.100	0.079	0.091	0.072	0.085	0.096	0.076
FINAL		0.103	0.090	0.100	0.069	0.080	0.077	0.077
LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	01 0	1.715		1.578	1.290	1.676	1.625	1.580
2	01 0	1.709		1.505	1.127	1.379	1.393	1.371
3	01 0	1.727		1.708	1.266	1.695	1.358	1.176
4	01 0	1.680		1.386	1.292	1.681	1.412	1.296
5	01 0	1.757		1.706	1.171	1.636	1.219	1.199
6	0130	1.656		1.507	1.019	1.669	1.603	1.287
7	11 0	2.712		1.619	1.605	1.695	1.622	1.307
8	1130	2.167		1.551	1.311	1.535	1.666	1.622
9	21 0	1.662		1.666	1.561	1.619	1.692	1.600
10	2130	1.749		1.780	1.912	1.967	1.716	1.806
11	31 0	2.202		1.669	1.766	1.780	1.360	0.917
12	3130	1.995		1.706	1.665	1.718	1.556	1.292
13	41 0	1.774		1.595	1.595	1.688	1.617	1.266
14	4130	2.069		1.741	1.660	1.666	1.591	1.106
15	51 0	2.016		1.705	1.796	1.071	1.667	1.129
16	5130	1.995		1.549	1.670	1.690	1.568	1.232
17	61 0	1.916		1.626	1.690	1.697	1.505	1.250
18	6130	2.133		1.662	1.661	1.977	1.593	1.587
19	71 0	1.693		1.925	1.579	1.666	1.669	1.561
20	7130	1.938		1.627	1.570	1.666	1.692	1.371
21	81 0	1.617		1.666	1.565	1.676	1.667	1.550
22	8130	1.997		1.672	1.695	1.613	1.660	1.576
23	91 0	1.706		1.796	1.765	1.507	1.696	1.267
24	9130	1.925		1.796	1.722	1.560	1.517	1.271
25	101 0	1.067		1.803	1.561	1.866	1.675	1.361
26	10130	1.909		1.730	1.657	1.960	1.662	1.292
27	111 0	1.976		1.811	1.666	1.856	1.695	1.651
28	11130	1.967		1.786	1.557	1.859	1.637	1.650
29	121 0	1.925		1.505	1.576	1.678	1.660	1.581
30	12130	1.966		1.703	1.667	1.513	1.565	1.307
31	131 0	2.026		1.540	1.667	1.865	1.689	1.676
32	13130	1.986		1.576	1.562	1.866	1.715	1.569
33	141 0	1.851		1.625	1.626	1.937	1.632	1.366
34	14130	1.076		2.055	1.951	1.962	1.655	1.671
35	151 0	2.071		1.561	1.767	1.966	1.631	1.766
36	15130	1.675		1.529	1.691	1.077	1.691	1.266
37	161 0	1.796		1.772	1.565	2.028	1.656	1.199
38	16130	1.059		1.737	1.602	1.736	1.611	1.386
39	171 0	1.986		1.670	1.687	1.679	1.302	1.215
40	17130	1.956		1.756	1.557	1.719	1.577	1.667
41	181 0	1.556		1.806	1.616	1.666	1.566	1.510
42	18130	1.670		2.301	1.667	1.740	1.668	1.197
43	191 0	1.926		1.666	1.556	1.775	1.576	1.297
44	19130	1.969		1.077	1.191	1.720	1.516	1.239
45	47124	1.720		1.722	1.145	1.176	1.526	1.526

実験No.19　TITLE = CASE 11　（B）　DATE 86/10/21　TIME 10:31:24

CH. INDEX		101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		15.700	16.000	15.900	15.800	15.800	15.900	15.800	15.800	15.900	16.100
FINAL		17.700	18.700	18.800	18.000	17.990	17.900	17.900	18.000	18.100	18.000
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.100	0.100	0.100	0.100	0.200	0.100	0.100	0.100	0.200	0.100
3	01 0	0.100	0.0	0.0	0.100	0.100	0.0	0.100	0.0	0.100	0.0
4	01 5	0.0	0.0	-0.100	0.100	-0.100	0.0	0.0	0.0	0.100	-0.200
5	01 0	0.0	-0.100	-0.100	0.0	0.0	0.0	0.0	0.0	0.100	-0.100
6	0130	1.700	10.900	15.800	11.800	7.500	5.500	3.900	3.400	2.300	9.900
7	11 0	3.800	26.200	21.800	16.900	12.300	9.800	6.600	5.900	5.300	25.300
8	1130	5.800	31.000	28.800	26.100	19.200	13.400	10.000	7.800	6.800	30.200
9	21 0	7.000	36.900	33.000	28.700	24.600	18.400	12.700	8.500	5.800	33.400
10	2130	8.800	37.900	34.200	31.200	25.300	19.400	14.800	11.400	8.400	36.010
11	31 0	10.400	43.350	39.100	34.000	29.400	24.800	19.600	16.400	11.500	39.400
12	3130	11.700	47.400	43.400	37.900	31.100	25.700	19.400	16.300	9.900	42.700
13	41 0	12.900	48.700	47.000	40.800	40.400	34.000	21.700	15.200	8.500	44.600
14	4130	13.900	50.900	50.500	44.900	40.420	33.900	25.000	16.900	9.700	44.400
15	51 0	14.400	52.100	48.100	43.200	38.600	41.400	25.700	18.700	11.800	47.500
16	5130	14.900	54.400	52.200	47.800	42.700	46.500	27.900	19.900	10.400	49.700
17	61 0	16.100	56.700	56.800	52.800	47.400	42.200	32.800	21.300	10.700	49.700
18	6130	16.300	57.000	56.100	44.800	44.600	40.400	30.100	21.400	10.400	50.100
19	71 0	17.800	56.100	49.800	45.800	42.200	37.900	30.900	22.000	11.200	50.500
20	7130	18.100	57.300	53.900	49.300	45.200	40.000	31.400	23.900	14.400	51.400
21	81 0	17.000	60.100	57.100	51.500	48.200	41.700	29.200	19.800	9.800	52.500
22	8130	18.400	64.400	59.800	54.700	51.700	44.400	33.500	23.700	13.500	54.800
23	91 0	18.200	61.700	58.800	55.200	51.700	46.300	37.000	26.300	12.300	56.700
24	9130	23.400	66.800	65.400	60.700	55.500	50.200	36.400	25.400	12.800	57.400
25	101 0	20.803	66.000	64.000	58.400	44.200	42.400	35.100	24.300	15.100	57.100
26	10130	22.100	66.100	64.300	59.900	56.800	48.100	36.600	27.400	8.700	61.100
27	111 0	23.803	67.000	65.200	61.300	56.100	48.400	35.700	27.800	16.900	58.900
28	11130	24.100	68.500	66.300	58.400	52.900	47.400	35.900	26.400	15.100	61.200
29	121 0	22.900	67.500	66.800	58.800	51.000	46.400	35.200	25.400	14.500	60.900
30	12130	23.200	65.400	62.200	57.800	52.200	47.600	39.300	24.700	16.500	60.400
31	131 0	25.100	66.500	62.500	55.800	56.100	44.800	37.000	25.400	12.400	60.800
32	13130	26.900	71.500	68.100	64.500	58.300	50.200	35.800	25.500	12.000	62.200
33	141 0	23.800	67.100	66.400	60.800	55.240	47.500	36.400	25.800	13.700	63.900
34	14130	24.500	70.400	67.800	61.800	56.800	50.100	39.800	25.400	11.900	61.900
35	151 0	24.400	67.400	64.500	60.400	56.800	50.200	40.900	30.600	17.400	60.200
36	15130	21.400	66.300	60.400	56.100	51.800	45.000	37.900	26.400	15.400	59.200
37	161 0	23.300	61.400	58.400	56.500	48.700	43.700	33.900	25.000	13.100	57.400
38	16130	21.400	56.000	55.700	52.700	44.700	42.800	32.200	20.800	11.900	56.100
39	171 0	23.100	52.700	49.200	46.900	34.800	36.300	25.400	17.300	10.900	49.900
40	17130	21.900	40.100	41.100	40.200	35.500	30.000	22.800	18.700	8.900	45.000
41	181 0	19.990	38.500	34.800	30.000	26.800	22.100	14.300	10.800	7.400	38.800
42	18130	16.090	33.200	27.900	22.700	17.800	18.300	11.400	8.000	5.500	33.900
43	191 0	14.300	26.100	20.900	17.400	11.900	11.400	8.800	7.000	4.980	30.500
44	19130	14.300	22.100	16.400	13.200	10.803	9.700	7.300	5.200	4.000	26.400
45	44122	2.000	2.200	2.100	2.200	2.197	2.000	2.000	2.100	2.200	1.990

TITLE = CASE 11　DATE 86/10/21　TIME 10:31:24

CH. INDEX		111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		15.800	15.900	15.700	16.000	15.900	15.900	15.900	15.900	15.800	15.800
FINAL		18.000	18.000	18.000	17.900	17.900	17.900	17.900	18.100	17.900	17.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 3	0.200	0.100	0.100	0.200	0.200	0.100	0.100	0.100	0.100	0.100
3	01 3	0.200	0.100	0.200	0.200	0.100	0.100	0.100	0.200	0.200	0.100
4	01 9	0.100	0.0	0.200	0.100	0.0	0.100	0.100	0.100	0.100	0.100
5	01 3	0.0	-0.100	0.100	0.0	0.0	0.0	0.0	0.100	0.100	0.100
6	0130	4.100	7.700	8.300	8.900	4.600	1.300	2.900	1.900	1.700	0.900
7	11 0	24.700	23.000	22.400	19.300	15.600	7.100	5.200	13.000	10.800	4.200
8	1130	28.800	25.900	22.400	16.000	13.100	6.900	6.500	14.000	14.900	11.900
9	21 0	29.800	26.500	23.100	17.500	12.800	8.900	6.100	20.000	22.700	17.400
10	2130	34.200	29.700	26.700	20.100	14.000	9.200	8.500	28.800	27.900	21.700
11	31 0	36.100	30.800	26.000	20.100	16.100	9.600	6.900	31.100	30.400	24.400
12	3130	36.733	31.800	26.000	20.200	15.100	11.800	7.900	35.000	33.800	28.400
13	41 0	41.100	31.800	26.700	19.200	15.800	11.200	7.600	37.700	35.500	30.600
14	4130	42.100	33.100	27.900	21.800	16.200	10.400	7.000	40.800	37.500	32.300
15	51 0	42.800	36.000	29.600	23.100	16.100	12.100	8.800	41.200	39.400	34.700
16	5130	45.103	32.900	28.500	21.800	16.600	11.400	7.800	43.000	41.300	36.100
17	61 0	41.600	30.100	25.900	19.500	16.100	10.700	6.900	44.800	42.100	37.500
18	6130	44.203	34.700	26.800	21.000	15.800	11.000	7.200	44.300	43.800	38.200
19	71 0	46.700	35.500	26.900	20.800	16.700	11.100	7.200	44.500	44.700	39.400
20	7130	41.800	34.200	27.800	22.800	15.500	11.200	7.400	44.700	44.900	39.700
21	81 0	40.800	39.500	37.500	24.400	20.500	11.800	8.500	47.000	45.800	40.100
22	8130	44.700	35.000	27.800	22.800	17.400	13.500	8.200	48.400	44.800	39.400
23	91 0	51.403	40.000	32.300	26.700	16.800	14.000	9.200	48.800	44.100	39.500
24	9130	51.903	40.020	31.700	28.000	16.500	13.000	8.100	50.500	45.900	39.500
25	101 0	53.103	43.600	36.100	27.100	16.400	14.700	10.100	51.400	47.100	40.500
26	10130	50.020	43.500	36.400	25.000	16.400	14.300	9.100	52.800	48.000	40.700
27	111 0	56.202	42.500	37.400	26.700	19.100	11.900	8.900	53.800	49.800	40.800
28	11130	56.500	42.900	35.400	29.200	21.209	15.900	10.580	56.700	50.300	41.700
29	121 0	57.500	47.800	37.100	28.800	21.762	15.900	10.400	56.700	50.000	47.200
30	12130	57.000	46.200	35.200	26.500	18.400	14.500	9.700	56.400	50.100	41.900
31	131 0	58.560	46.100	37.200	30.200	21.700	17.200	11.800	56.000	50.800	42.800
32	13130	58.300	46.500	36.500	26.800	20.100	15.600	9.800	55.800	52.500	45.700
33	141 0	56.800	49.200	38.800	30.400	22.800	16.700	11.600	57.400	53.200	45.500
34	14130	57.900	45.300	35.800	26.400	20.000	15.400	15.900	56.200	55.100	44.400
35	151 0	55.400	45.900	36.400	27.200	23.100	16.400	9.200	56.300	55.200	44.400
36	15130	55.200	40.700	37.400	25.600	23.130	15.430	10.500	55.400	52.400	45.100
37	161 0	50.203	40.400	35.260	25.800	18.730	15.200	11.100	51.800	51.400	45.000
38	16130	49.403	37.100	29.400	23.800	17.530	13.400	9.400	52.100	49.700	44.000
39	171 0	45.900	37.030	25.700	22.250	15.260	12.500	8.400	49.400	47.400	42.800
40	17130	41.700	36.000	27.200	20.400	15.200	12.000	6.200	45.900	45.900	40.400
41	181 0	36.400	31.800	20.803	25.400	17.450	12.800	8.800	41.600	39.000	37.800
42	18130	31.503	27.203	23.500	19.203	14.759	11.300	8.000	36.000	36.900	33.300
43	191 0	26.700	26.100	23.100	19.500	14.979	10.900	8.000	31.800	30.900	29.600
44	19130	29.530	23.500	22.200	18.820	14.750	11.500	8.200	27.800	26.700	25.900
45	44122	2.200	2.100	2.100	2.100	2.000	2.000	2.000	2.200	2.100	2.100

TITLE = CASE 11　DATE 86/10/21　TIME 10:31:24

CH. INDEX		121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 38	126 T= 41	127 T= 42	128 T= 43	129 T= 44	130 T= 51
INITIAL		15.800	15.800	15.800	15.800	15.900	15.900	15.700	15.800	15.800	16.000
FINAL		17.900	17.900	17.900	17.900	17.900	18.100	17.900	17.800	17.800	18.100
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.100	0.0	0.100	0.100	0.200	0.200	0.200	0.200	0.200	0.0
3	01 0	0.200	0.100	0.200	0.200	0.200	0.300	0.100	0.100	0.300	0.100
4	01 5	0.200	0.100	0.200	0.200	0.100	0.300	0.400	0.200	0.200	0.100
5	01 0	0.200	0.100	0.200	0.100	0.0	0.200	0.200	0.200	0.200	0.100
6	0130	0.700	0.400	0.400	0.400	0.400	0.300	0.300	0.200	0.200	0.100
7	11 0	4.400	3.200	3.800	3.700	3.900	17.900	18.800	0.800	3.000	5.700
8	1130	8.000	6.900	6.100	6.200	6.100	22.800	19.100	15.000	7.400	15.100
9	21 0	12.300	10.100	8.700	7.403	8.800	26.400	19.000	12.400	7.200	18.100
10	2130	16.703	15.700	11.900	9.700	7.800	29.100	19.100	11.900	7.000	21.700
11	31 0	19.700	16.300	14.103	11.100	7.400	34.100	21.400	12.400	7.400	24.500
12	3130	22.700	19.500	16.000	12.200	9.300	36.000	25.400	13.800	8.400	26.400
13	41 0	25.103	20.500	17.400	13.100	10.400	38.400	27.400	16.200	10.900	29.900
14	4130	26.250	20.803	17.203	12.400	10.900	39.000	30.800	19.900	10.700	31.000
15	51 0	25.100	22.700	19.000	14.100	10.700	39.500	31.900	21.200	12.200	33.500
16	5130	29.400	23.400	19.300	13.400	8.700	39.200	32.400	21.500	12.900	34.700
17	61 0	30.900	24.000	19.900	14.700	7.300	41.300	35.400	22.200	13.900	35.400
18	6130	31.203	25.900	19.300	14.100	10.200	43.500	38.800	27.100	15.100	36.400
19	71 0	32.400	26.400	19.400	14.200	9.700	43.500	38.500	28.400	15.900	37.400
20	7130	34.800	25.400	26.500	14.400	10.000	42.700	37.000	26.000	18.100	37.900
21	81 0	31.700	25.900	21.000	14.700	9.700	45.600	38.400	26.400	17.400	38.200
22	8130	32.400	25.400	20.700	14.500	9.900	47.100	41.300	27.700	14.700	39.400
23	91 0	31.700	25.900	19.800	17.900	8.800	47.400	40.700	29.000	16.800	39.800
24	9130	31.900	23.400	18.500	17.400	7.500	47.200	41.800	31.100	15.800	40.000
25	101 0	32.300	23.700	19.400	15.400	10.200	44.200	41.700	29.700	14.300	40.800
26	10130	31.909	22.900	17.700	12.400	7.500	50.000	40.900	27.100	15.100	41.900
27	111 0	30.400	21.700	17.000	11.700	8.200	52.000	41.800	26.000	14.200	41.500
28	11130	30.700	21.500	17.000	12.200	8.100	51.200	41.700	27.400	15.100	43.800
29	121 0	32.400	23.800	19.000	14.100	9.930	50.700	42.900	28.500	16.300	44.700
30	12130	32.800	23.200	18.100	17.400	7.700	50.500	42.300	31.300	16.200	44.400
31	131 0	33.200	23.000	18.200	17.800	8.700	51.100	44.500	31.800	16.700	44.800
32	13130	33.300	23.300	18.300	13.200	8.800	53.200	44.200	31.800	17.300	45.900
33	141 0	32.300	22.400	17.400	17.900	8.400	54.400	42.100	27.400	15.700	46.000
34	14130	34.400	24.300	19.400	11.700	9.300	52.000	48.100	30.800	16.100	46.700
35	151 0	34.300	24.400	19.900	14.400	9.900	51.700	44.400	33.700	16.200	46.800
36	15130	35.400	24.400	20.000	14.900	10.020	52.100	45.200	30.100	19.400	46.100
37	161 0	35.400	25.400	20.900	16.100	12.100	51.300	44.200	35.400	20.400	45.200
38	16130	35.400	25.400	20.100	15.200	10.200	48.300	42.400	31.400	18.700	46.300
39	171 0	35.100	25.900	20.400	15.000	10.300	47.100	41.400	30.400	17.100	42.800
40	17130	31.700	25.200	19.800	13.900	8.700	41.300	35.500	24.000	15.500	40.300
41	181 0	32.700	29.900	21.000	14.700	12.300	37.000	32.000	21.100	13.900	37.800
42	18130	29.400	21.900	15.100	13.700	9.400	31.500	24.800	15.800	11.500	33.800
43	191 0	25.903	20.800	14.400	11.900	6.400	28.300	20.400	14.800	9.800	29.400
44	19130	22.400	17.700	14.200	9.700	6.500	25.700	19.300	12.400	8.700	26.800
45	44122	2.100	2.000	2.100	2.150	2.000	2.200	2.200	2.000	2.000	2.100

TITLE = CASE 11　DATE 86/10/21　TIME 10:31:24

CH. INDEX		131 T= 52	132 T= 53	133 T= 54	134 T= 55	135 T= 61	136 T= 62	137 T= 63	138 T= 64	139 T= 71	140 T= 72
INITIAL		15.900	15.800	15.900	15.900	15.900	15.900	15.800	15.900	15.900	15.900
FINAL		18.009	17.800	17.800	17.800	17.900	17.900	17.800	17.800	18.100	18.000
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.100	0.100	0.100	0.200	0.100	0.0	0.100	0.100	0.100	0.0
3	01 0	0.200	0.200	0.200	0.500	0.200	0.200	0.200	0.200	0.200	0.200
4	01 0	0.200	0.200	0.200	0.500	0.200	0.200	0.200	0.200	0.300	0.100
5	01 0	0.200	0.100	0.100	0.200	0.200	0.100	0.200	0.200	0.200	0.200
6	0130	0.200	0.100	0.190	0.200	0.200	0.100	0.100	0.200	0.200	0.200
7	11 0	4.100	4.900	2.400	1.000	5.200	1.400	1.200	0.500	0.400	0.400
8	1130	10.200	11.000	4.800	4.800	16.400	13.300	10.000	5.400	12.200	10.400
9	21 0	15.300	15.370	9.400	5.500	20.300	15.400	12.100	7.800	15.700	13.800
10	2130	14.300	16.100	12.900	7.120	21.900	16.200	11.800	7.100	18.300	16.200
11	31 0	21.400	19.900	14.700	8.200	24.600	18.300	14.100	7.500	20.100	18.400
12	3130	24.730	20.500	12.400	7.400	26.700	18.400	13.000	7.700	21.500	19.800
13	41 0	25.800	21.500	11.900	8.700	27.500	21.100	16.900	8.300	22.800	20.500
14	4130	26.300	21.700	11.800	8.500	28.700	23.700	18.100	10.400	25.100	22.400
15	51 0	28.800	23.800	14.900	7.400	30.700	25.100	18.700	10.400	26.400	23.900
16	5130	29.600	23.200	13.400	7.000	31.400	26.700	20.400	13.100	27.700	25.900
17	61 0	30.103	23.100	13.700	7.200	32.000	26.700	20.000	13.000	28.100	26.200
18	6130	31.800	26.400	12.900	6.600	32.500	26.800	20.400	11.800	28.900	26.000
19	71 0	32.400	26.800	14.000	7.000	34.400	27.100	21.400	11.800	30.300	27.900
20	7130	33.500	28.000	15.400	7.700	35.400	28.700	22.800	12.500	31.200	28.400
21	81 0	34.100	28.800	15.500	8.100	36.100	30.100	21.400	13.500	30.400	28.400
22	8130	36.000	28.800	17.000	8.200	35.500	29.500	21.300	11.800	31.100	28.700
23	91 0	36.400	27.400	16.800	7.900	36.400	29.400	21.400	11.800	32.400	30.100
24	9130	35.900	29.700	17.100	7.700	37.100	30.300	21.100	10.800	32.900	31.000
25	101 0	36.700	31.500	19.100	8.200	38.400	30.300	21.100	10.100	33.800	30.800
26	10130	37.800	31.900	19.000	9.100	38.100	31.900	21.900	10.800	33.800	31.400
27	111 0	39.203	33.200	18.300	8.800	39.400	32.900	21.300	10.700	35.300	31.200
28	11130	40.200	32.700	18.800	8.400	39.900	32.700	22.100	10.900	36.100	32.800
29	121 0	40.100	32.800	19.200	9.700	39.800	32.800	23.500	11.500	35.800	33.300
30	12130	40.800	32.700	18.200	8.900	41.400	33.300	23.400	12.700	36.300	33.200
31	131 0	41.800	34.800	19.200	8.900	41.500	33.300	22.000	11.100	37.100	33.700
32	13130	42.800	35.700	22.200	10.100	42.800	36.000	21.800	11.500	36.800	36.000
33	141 0	41.800	36.403	21.300	9.400	47.400	36.400	24.200	11.700	38.100	36.700
34	14130	43.900	36.300	20.400	9.200	45.300	35.700	24.000	12.030	38.700	35.300
35	151 0	43.800	36.600	21.800	10.400	41.900	36.000	21.200	11.400	38.500	35.500
36	15130	42.900	34.100	21.300	9.600	42.400	35.400	24.300	12.400	38.400	35.600
37	161 0	41.900	31.700	19.900	9.700	41.200	35.900	24.300	12.400	37.800	35.300
38	16130	40.800	30.900	17.500	9.300	40.730	34.700	24.900	12.900	37.100	35.300
39	171 0	35.103	30.400	17.400	9.200	34.700	33.700	25.700	11.290	35.800	34.000
40	17130	37.000	26.700	14.100	7.900	34.300	31.200	21.400	11.000	34.300	32.800
41	181 0	34.800	26.030	16.300	7.400	34.100	28.700	20.300	10.800	31.400	29.100
42	18130	32.030	25.000	14.000	10.100	30.200	26.100	19.700	11.100	29.800	28.400
43	191 0	28.800	21.400	13.000	7.000	25.800	20.800	14.400	9.500	25.400	24.500
44	19130	25.200	16.900	11.500	6.400	25.500	17.900	12.100	7.000	22.300	21.500
45	44122	2.100	1.903	1.900	1.900	2.030	2.000	2.000	2.000	2.200	2.100

TITLE = CASE 11 DATE 86/10/21 TIME 10131124

CH. INDEX	141	142	143	144	145	146	147	148	149	150
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FINAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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TITLE = CASE 11 DATE 86/10/21 TIME 10131124

CH. INDEX	161	162	163	164	165	166	167	168	169	170
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FINAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
LOOP TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
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TITLE = CASE 11 DATE 86/10/21 TIME 10131124

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LOOP TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
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TITLE = CASE 11 DATE 86/10/21 TIME 10131124

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TITLE = CASE 11 DATE 86/10/21 TIME 10:31:24

CH. INDEX	211 S= 39	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 51	217 S= 52	218 S= 53	219 S= 54	220 S= 55
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FINAL	0.154	0.154	0.153	0.163	0.161	0.158	0.157	0.155	0.157	0.156

LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
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37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TITLE = CASE 11 DATE 86/10/21 TIME 10:31:24

CH. INDEX	221 S= 61	222 S= 62	223 S= 63	224 S= 71	225 S= 72	226 S= 81	227 S= 82	228 S= 83	229 S= 91	230 S= 92
INITIAL	0.143	0.150	0.158	0.149	0.156	0.152	0.160	0.161	0.154	0.166
FINAL	0.136	0.155	0.150	0.146	0.151	0.148	0.157	0.158	0.150	0.166

LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	[illegible]	[illegible]	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TITLE = CASE 11 DATE 86/10/21 TIME 10:31:24

CH. INDEX	231 S=101	232 S=102	233 S=103	234 S=111	235 S=112	236 S=121	237 S=122	238 S=123	239 S=131	240 S=132
INITIAL	0.162	0.168	0.159	0.156	0.167	0.158	0.153	0.166	0.155	0.156
FINAL	0.159	0.165	0.153	0.152	0.166	0.156	0.150	0.166	0.153	0.155

LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	[illegible]	100.000	100.000	100.000	100.000	[illegible]	100.000	100.000	100.000	100.000	100.000
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TITLE = CASE 11 DATE 86/10/21 TIME 10:31:24

CH. INDEX	250 V= 21	251 V= 22	252 V= 23	253 V= 24	254 V= 25	255 V= 26	256 V= 27	257 V= 28	258 V= 29	259 V= 31
INITIAL	0.122	0.141	0.157	0.138	0.141	0.176	0.124	0.121	0.116	0.106
FINAL	0.100	0.103	0.109	0.120	0.120	0.117	0.117	0.109	0.107	0.070

LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TITLE = CASE 11 DATE 08/10/21 TIME 10:31:26

CH. INULA		240 V= 72	241 V= 73	242 V= 74	243 V=121	244 V=122	245 V=123	246 V=124
INITIAL		0.117	0.088	0.097	0.086	0.092	0.077	0.071
FINAL		2.093	0.075	0.098	0.067	0.086	0.077	0.061
LOOP	TIM	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	01 0	2.016		1.579	1.892	1.581	1.326	1.214
2	01 0	1.858		1.751	1.889	1.590	1.429	1.209
3	01 0	1.727		1.898	1.631	1.685	1.588	1.257
4	01 0	1.867		1.856	1.682	1.682	1.452	1.269
5	01 0	1.780		1.574	1.520	1.586	1.388	1.288
6	0130	1.856		1.787	1.529	1.874	1.487	1.219
7	11 0	1.911		1.519	1.585	1.888	1.380	1.201
8	1130	2.155		1.180	1.570	1.685	1.426	1.189
9	21 0	1.890		1.591	1.798	1.651	1.469	1.221
10	2130	1.902		1.777	1.916	2.087	1.216	0.912
11	31 0	1.974		1.828	1.667	1.966	1.369	0.998
12	3130	1.965		1.880	1.506	1.765	1.674	1.088
13	41 0	1.871		1.725	1.762	1.768	1.665	1.178
14	4130	2.171		1.887	1.698	1.858	1.753	1.378
15	51 0	2.288		1.577	1.676	1.907	1.660	1.188
16	5130	2.118		1.722	1.508	1.729	1.792	1.309
17	61 0	2.071		1.892	1.925	2.019	1.480	1.165
18	6130	1.980		1.969	1.493	1.816	1.598	1.196
19	71 0	1.930		1.959	1.701	1.920	1.676	1.262
20	7130	1.961		2.016	1.808	1.768	1.495	1.297
21	81 0	1.965		1.888	1.770	1.886	1.329	1.155
22	8130	1.918		1.879	1.708	1.772	1.682	1.188
23	91 0	2.078		1.892	1.615	1.845	1.663	1.195
24	9130	2.080		1.786	1.568	1.796	1.695	1.216
25	101 0	1.821		1.094	1.641	1.957	1.588	1.207
26	10130	2.088		1.986	1.550	1.722	1.560	1.213
27	111 0	1.857		2.688	1.828	1.562	1.036	1.278
28	11130	1.963		1.907	1.874	1.676	1.672	1.221
29	121 0	1.971		1.766	1.565	1.710	1.565	1.257
30	12130	1.952		1.830	1.612	1.656	1.613	1.221
31	131 0	1.916		1.777	1.815	2.021	1.576	1.132
32	13130	1.950		1.816	1.789	1.934	1.631	1.316
33	141 0	1.892		1.915	1.966	1.913	1.679	1.178
34	14130	1.902		1.877	1.873	1.826	1.699	1.271
35	151 0	1.987		2.176	1.820	1.877	1.519	1.295
36	15130	1.960		2.030	1.717	1.904	1.595	1.405
37	161 0	1.840		1.952	1.560	1.512	1.590	1.416
38	16130	1.765		1.739	1.863	1.870	1.379	1.292
39	171 0	1.901		1.775	1.636	1.825	1.871	1.225
40	17130	1.892		1.870	1.761	1.788	1.496	1.307
41	181 0	1.956		1.885	1.558	1.827	1.369	1.308
42	18130	1.921		1.879	1.572	1.760	1.679	1.307
43	191 0	1.777		1.580	1.680	1.802	1.665	1.295
44	19130	1.811		2.002	1.872	1.819	1.727	1.155
45	20122	1.588		1.894	1.150	1.519	1.266	1.067

実験No.20 TITLE = CASE 10 (B) DATE 86/10/22 TIME 9130118

LOOP	TIME	101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		14.800	15.200	15.100	14.900	14.800	14.900	15.000	14.900	15.000	15.400
FINAL		14.900	15.000	14.700	14.700	14.630	14.800	14.700	14.700	14.800	15.000
		(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	0.0	0.0	-0.100	0.100	0.0	0.0	0.0	0.0	0.0	0.0
3	[illegible]	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100
4	[illegible]	0.0	-0.100	-0.200	0.0	0.0	0.0	0.0	0.0	0.0	-0.100
5	[illegible]	0.100	-0.100	-0.200	0.100	-0.100	0.0	0.0	0.0	0.0	-0.100
6	[illegible]	1.100	8.800	0.500	6.000	5.000	3.800	2.700	2.700	2.300	2.900
7	[illegible]	2.700	12.200	9.800	8.800	7.900	4.100	4.000	1.800	2.700	9.100
8	[illegible]	3.800	13.800	11.200	9.100	7.807	8.200	4.900	3.900	2.800	10.100
9	[illegible]	4.900	15.100	11.800	8.500	8.900	6.300	4.800	4.100	2.900	11.900
10	[illegible]	5.100	13.800	10.909	8.300	8.800	5.400	4.803	4.000	2.800	13.800
11	[illegible]	6.000	16.400	11.700	9.400	7.400	6.800	5.200	4.900	3.300	14.800
12	[illegible]	6.800	17.000	12.900	10.300	7.800	7.100	5.100	4.100	2.900	14.700
13	[illegible]	6.800	18.400	14.200	11.500	8.900	6.400	4.400	3.700	2.400	14.500
14	[illegible]	7.400	16.900	14.800	10.800	8.009	6.700	4.700	3.900	2.400	16.500
15	[illegible]	8.200	18.200	14.900	11.100	7.800	9.900	4.800	3.700	2.800	18.100
16	[illegible]	8.700	19.100	14.400	10.700	8.230	8.500	4.800	3.900	2.700	17.400
17	[illegible]	9.400	14.100	14.000	9.800	7.109	9.700	4.700	4.009	2.900	19.300
18	[illegible]	9.400	14.700	11.700	9.400	7.800	5.800	4.300	4.300	2.300	19.090
19	[illegible]	10.900	18.800	14.200	9.800	6.700	5.300	4.200	4.700	2.800	20.800
20	[illegible]	10.800	19.100	13.800	10.100	7.700	6.100	4.400	3.300	2.400	19.100
21	[illegible]	10.200	18.800	14.200	11.700	9.900	8.100	8.200	5.200	3.700	19.400
22	[illegible]	10.900	20.800	16.900	12.400	10.300	8.300	5.100	4.200	3.500	19.900
23	[illegible]	14.800	23.400	16.700	12.700	9.700	7.000	5.400	4.800	3.900	21.100
24	[illegible]	11.100	20.400	15.700	12.000	10.200	9.000	8.300	4.700	3.400	21.800
25	[illegible]	11.400	21.100	15.700	12.800	10.800	8.100	4.800	4.700	3.000	20.300
26	[illegible]	11.300	21.100	14.700	10.900	8.300	7.400	5.400	4.000	2.500	21.000
27	[illegible]	11.100	22.300	18.400	13.700	11.800	9.000	4.400	5.900	4.800	21.200
28	[illegible]	11.800	21.200	12.400	8.200	6.100	5.000	3.400	2.700	1.500	21.700
29	[illegible]	11.800	21.800	17.800	17.600	9.100	7.400	5.400	4.000	2.400	22.000
30	[illegible]	11.400	22.000	18.400	11.600	8.700	6.900	5.100	3.900	2.300	23.000
31	[illegible]	12.100	23.100	13.800	9.200	7.800	5.000	4.200	3.000	3.000	22.400
32	[illegible]	12.400	22.900	14.109	9.400	7.809	6.400	5.000	4.800	3.400	23.200
33	[illegible]	12.800	22.900	18.800	15.700	11.800	8.500	8.100	5.800	4.000	23.100
34	[illegible]	13.000	22.800	16.400	11.800	8.500	7.000	5.500	4.900	4.000	24.300
35	[illegible]	12.900	23.100	18.300	11.400	7.300	8.200	4.900	4.200	3.900	24.100
36	[illegible]	11.300	21.700	18.900	12.400	9.900	9.000	4.700	4.400	3.200	23.700
37	[illegible]	12.800	22.700	14.500	12.400	10.700	9.100	4.400	5.100	3.300	23.500
38	[illegible]	12.900	21.800	17.300	12.100	7.900	9.800	4.900	4.100	2.400	23.100
39	[illegible]	12.809	20.400	14.800	10.700	8.800	7.400	9.400	9.800	3.400	19.800
40	[illegible]	12.900	17.900	19.900	7.903	5.720	4.409	4.100	2.500	2.100	18.900
41	[illegible]	11.400	14.100	11.700	10.000	7.200	4.100	4.200	4.400	2.800	15.000
42	[illegible]	10.900	13.100	10.400	10.000	8.800	6.800	5.400	4.200	3.100	11.700
43	[illegible]	9.500	10.800	9.200	8.109	8.800	5.900	4.300	3.800	3.800	9.300
44	[illegible]	8.300	10.300	8.409	8.800	5.500	4.700	3.400	3.100	2.300	7.330
45	[illegible]	-2.900	-0.200	-0.400	-0.200	-0.300	-0.300	-0.300	-0.200	-0.200	-0.400

TITLE = CASE 10 DATE 86/10/22 TIME 9130118

LOOP	TIME	111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		15.100	15.000	14.900	15.000	15.100	15.100	15.100	15.400	15.200	15.100
FINAL		14.700	14.600	14.600	14.700	14.820	14.800	14.800	15.300	14.900	14.900
		(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	0.0	0.0	0.100	0.0	0.0	-0.100	0.0	-0.100	0.0	0.0
3	[illegible]	-0.100	0.0	-0.100	0.0	0.0	-0.100	-0.100	-0.100	0.0	0.0
4	[illegible]	-0.130	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	0.0	0.0
5	[illegible]	-0.190	0.0	0.100	0.0	0.0	-0.100	0.0	-0.100	0.0	0.0
6	[illegible]	2.730	2.700	2.800	2.300	2.000	0.900	0.800	0.400	0.700	0.400
7	[illegible]	2.790	4.900	4.000	4.700	3.800	2.400	2.100	4.000	4.400	3.700
8	[illegible]	4.400	7.900	4.200	4.800	4.000	3.000	2.600	7.000	7.800	4.500
9	[illegible]	10.500	8.400	8.400	5.400	4.400	3.500	4.000	10.000	9.500	8.700
10	[illegible]	11.609	9.000	7.909	4.800	5.700	4.300	4.400	11.800	11.700	10.100
11	[illegible]	15.200	18.900	9.400	7.800	5.900	4.800	3.800	12.400	12.000	10.900
12	[illegible]	15.900	12.100	10.900	9.700	8.100	6.000	4.400	13.100	12.800	12.000
13	[illegible]	14.500	11.700	9.800	7.700	6.100	5.500	4.100	15.800	13.800	12.700
14	[illegible]	15.900	14.100	12.700	10.800	8.300	6.500	5.000	14.800	14.700	13.100
15	[illegible]	17.100	15.700	14.509	17.500	10.100	7.500	5.500	15.600	15.100	13.600
16	[illegible]	17.200	15.700	13.709	11.000	8.500	7.000	5.400	16.500	15.900	14.600
17	[illegible]	16.800	17.700	15.400	12.700	8.800	6.900	5.100	16.900	16.000	14.700
18	[illegible]	18.800	17.100	15.400	12.300	8.700	6.800	5.300	17.100	16.400	15.300
19	[illegible]	18.500	16.900	15.520	12.400	10.000	7.700	5.500	17.309	16.500	15.700
20	[illegible]	18.309	16.800	15.609	13.800	10.800	8.200	5.400	17.700	16.800	15.300
21	[illegible]	18.400	16.500	15.100	13.200	10.700	8.300	6.300	17.500	16.900	14.700
22	[illegible]	18.600	17.000	15.000	12.800	10.400	8.100	6.300	18.000	17.500	14.900
23	[illegible]	20.700	18.400	16.300	13.300	10.100	8.100	6.300	18.500	17.400	16.100
24	[illegible]	20.900	18.800	17.100	14.700	11.800	9.100	6.700	18.900	17.300	15.800
25	[illegible]	19.700	17.800	16.300	13.800	11.300	8.900	6.600	19.400	18.300	16.100
26	[illegible]	19.700	18.500	18.700	14.300	11.100	8.000	7.100	18.800	17.700	15.800
27	[illegible]	18.800	17.900	15.800	13.000	10.900	9.100	7.200	19.200	18.300	16.400
28	[illegible]	21.200	19.400	17.600	15.000	11.500	8.700	6.600	19.600	18.000	17.200
29	[illegible]	21.700	20.200	18.000	16.800	11.600	8.900	6.600	20.000	19.100	17.100
30	[illegible]	21.900	19.800	18.200	15.100	12.500	9.500	7.100	19.800	18.700	17.000
31	[illegible]	21.800	19.800	18.300	15.000	12.100	9.700	7.200	20.200	18.800	17.000
32	[illegible]	22.900	21.400	20.500	17.500	14.400	10.400	7.300	20.800	18.900	16.800
33	[illegible]	21.800	20.100	18.100	18.900	13.900	10.600	7.700	20.800	19.100	17.200
34	[illegible]	23.200	20.700	18.700	15.800	12.800	10.100	6.900	20.800	19.500	17.300
35	[illegible]	23.100	21.200	21.800	18.500	14.900	9.400	6.600	20.200	18.800	17.100
36	[illegible]	22.400	20.500	18.500	15.400	12.800	9.800	7.400	20.100	18.700	16.900
37	[illegible]	21.500	18.903	16.900	24.400	12.000	10.100	7.500	21.100	18.400	16.900
38	[illegible]	22.600	20.400	19.000	15.800	11.800	9.600	7.200	20.400	18.800	16.800
39	[illegible]	16.900	16.400	13.400	11.500	9.400	8.400	6.400	20.100	18.400	16.400
40	[illegible]	16.230	16.300	17.800	11.100	8.800	7.400	5.500	18.900	17.400	16.100
41	[illegible]	13.909	12.100	17.100	9.200	8.700	[illegible]	5.700	17.000	15.100	14.300
42	[illegible]	10.750	9.500	7.700	8.500	5.500	5.500	4.500	14.400	13.700	13.100
43	[illegible]	6.100	7.200	8.800	6.200	5.700	5.400	4.300	11.700	10.600	10.800
44	[illegible]	8.200	5.100	4.500	5.800	4.600	3.700	4.600	9.900	9.500	9.400
45	[illegible]	-0.400	-0.400	-0.500	-0.300	-0.300	-0.100	-0.300	-0.200	-0.300	-0.200

TITLE = CASE 10 DATE 86/10/22 TIME 9130118

LOOP	TIME	121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 38	126 T= 41	127 T= 42	128 T= 43	129 T= 44	130 T= 51
INITIAL		15.200	15.200	15.100	15.100	15.100	15.400	15.100	15.200	15.200	15.600
FINAL		14.900	14.900	14.800	14.800	14.800	15.400	14.900	14.900	14.900	15.500
		(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	0.0	0.0	0.0	0.0	0.0	-0.200	0.0	-0.100	0.0	0.0
3	[illegible]	0.0	-0.100	0.0	0.0	0.0	-0.200	0.0	-0.100	-0.100	0.0
4	[illegible]	0.0	0.0	0.0	0.0	-0.100	0.0	0.100	0.0	-0.100	0.100
5	[illegible]	0.0	-0.100	0.0	-0.100	0.0	-0.100	0.200	0.0	-0.100	0.0
6	[illegible]	2.100	0.200	2.100	2.400	0.800	0.0	0.300	0.100	0.0	0.0
7	[illegible]	2.900	2.900	2.900	2.600	3.300	4.400	4.700	4.100	2.400	2.900
8	[illegible]	5.203	4.800	4.800	4.506	4.400	6.900	8.900	6.600	4.200	4.100
9	[illegible]	6.700	6.000	5.700	5.100	4.200	10.200	9.100	6.700	4.900	7.000
10	[illegible]	8.800	7.100	8.800	5.800	4.700	11.100	9.500	6.700	4.000	9.100
11	[illegible]	9.303	8.100	7.500	5.600	4.900	11.000	10.700	6.600	6.800	9.400
12	[illegible]	10.800	9.100	8.800	7.200	4.500	13.200	11.300	7.800	5.100	10.800
13	[illegible]	11.100	9.800	8.200	7.000	5.500	13.900	11.100	7.400	5.500	11.900
14	[illegible]	11.900	9.900	9.600	7.700	5.700	14.200	11.800	7.800	5.600	11.900
15	[illegible]	12.000	10.200	9.200	7.800	5.600	15.700	10.100	7.900	5.700	12.900
16	[illegible]	12.400	10.500	9.400	7.200	5.800	15.100	11.100	7.700	5.700	12.900
17	[illegible]	12.400	10.500	9.800	7.300	5.300	14.700	10.409	7.500	5.800	13.200
18	[illegible]	13.800	11.300	9.800	7.700	6.100	15.400	11.800	7.900	5.400	13.500
19	[illegible]	15.220	11.130	9.800	7.700	6.200	15.700	11.400	8.009	5.800	14.100
20	[illegible]	15.500	11.800	10.209	8.800	6.800	15.400	11.500	7.908	6.800	14.400
21	[illegible]	15.700	11.400	10.800	9.000	7.400	14.200	12.200	8.100	6.000	14.000
22	[illegible]	16.503	12.000	11.300	8.100	7.209	14.700	13.700	9.500	7.200	14.700
23	[illegible]	16.100	11.900	14.700	8.800	6.800	16.700	11.300	8.500	6.800	14.700
24	[illegible]	13.500	11.200	13.000	8.100	6.500	15.800	11.400	8.400	6.800	15.500
25	[illegible]	15.400	11.900	8.409	7.300	6.300	15.900	13.109	8.800	6.900	15.800
26	[illegible]	15.553	11.200	10.000	8.600	6.800	17.200	12.200	8.700	7.000	15.800
27	[illegible]	16.020	11.100	9.800	7.103	6.500	17.400	13.700	8.400	6.600	15.800
28	[illegible]	16.800	12.200	10.500	6.500	6.000	17.900	12.500	8.400	6.800	16.000
29	[illegible]	16.800	12.209	10.800	6.600	5.800	17.900	13.000	9.200	6.300	15.900
30	[illegible]	15.900	11.800	10.800	6.100	6.100	14.000	11.700	8.000	6.200	16.400
31	[illegible]	16.803	11.700	10.800	6.100	6.800	18.800	13.208	8.800	7.100	16.900
32	[illegible]	15.903	11.900	9.400	7.209	5.020	19.100	13.900	9.100	6.200	17.200
33	[illegible]	16.330	11.300	9.309	7.603	8.100	19.500	14.000	8.700	6.000	17.000
34	[illegible]	16.873	11.700	10.100	6.500	6.100	17.100	14.900	9.700	6.900	17.400
35	[illegible]	16.820	11.400	9.800	6.400	6.500	18.800	13.800	9.400	6.900	18.100
36	[illegible]	16.803	11.200	9.400	7.500	5.500	18.500	15.700	9.100	6.800	17.500
37	[illegible]	15.700	11.800	9.100	7.600	5.509	18.400	15.800	8.700	6.700	17.500
38	[illegible]	13.700	11.203	8.800	9.700	6.500	17.900	12.950	10.800	7.400	17.200
39	[illegible]	13.800	11.100	5.800	7.200	5.500	17.900	12.600	8.800	6.800	16.900
40	[illegible]	13.800	11.100	9.400	7.800	5.700	16.300	12.203	8.200	6.500	16.700
41	[illegible]	12.800	10.500	5.800	7.100	5.800	16.500	9.800	6.800	5.900	16.400
42	[illegible]	11.702	10.000	4.800	7.200	5.930	13.200	10.200	7.400	6.000	13.900
43	[illegible]	9.900	8.800	7.600	6.000	5.100	9.800	8.200	6.900	5.200	10.700
44	[illegible]	8.703	7.800	6.200	5.100	3.600	7.900	7.300	5.900	5.200	8.900
45	[illegible]	-0.800	-0.300	-0.500	-0.300	-0.300	-0.200	-0.200	-0.300	-0.300	-0.100

TITLE = CASE 10 DATE 86/10/22 TIME 9130118

LOOP	TIME	131 T= 52	132 T= 53	133 T= 54	134 T= 55	135 T= 61	136 T= 62	137 T= 63	138 T= 64	139 T= 71	140 T= 72
INITIAL		15.500	15.200	15.200	15.500	15.700	15.400	15.300	15.500	15.800	15.600
FINAL		15.500	15.000	15.000	15.100	15.500	15.200	15.100	15.000	15.900	15.500
		(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	[illegible]	0.0	0.100	0.100	0.0	0.0	0.100	0.100	0.0	0.0	0.0
3	[illegible]	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.0
4	[illegible]	0.0	0.100	0.0	0.0	0.0	0.100	0.100	0.0	0.0	0.0
5	[illegible]	0.0	0.0	0.0	-0.100	0.0	0.100	0.0	-0.100	0.0	0.0
6	[illegible]	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.0	0.0	0.0
7	[illegible]	2.700	4.600	4.100	2.550	1.600	2.400	2.400	1.400	1.900	1.400
8	[illegible]	4.301	4.900	4.400	3.603	4.700	3.400	4.400	3.300	3.400	4.800
9	[illegible]	6.803	6.900	6.900	4.500	7.030	4.400	5.000	4.000	7.000	4.700
10	[illegible]	7.903	7.200	6.200	4.700	4.500	7.550	5.800	4.100	7.200	7.200
11	[illegible]	8.403	6.500	6.700	4.500	9.200	7.900	6.400	4.700	8.400	8.200
12	[illegible]	8.405	7.700	5.440	4.400	10.400	9.200	7.100	4.900	9.100	8.900
13	[illegible]	10.203	9.800	6.800	6.109	10.700	7.100	7.700	5.900	9.900	9.700
14	[illegible]	10.313	8.100	8.200	6.700	11.900	9.700	7.850	6.200	10.900	10.000
15	[illegible]	11.220	10.100	7.800	6.300	12.700	10.900	8.900	6.400	11.000	10.400
16	[illegible]	11.703	9.500	8.709	6.600	13.800	11.800	9.800	7.100	11.400	10.700
17	[illegible]	11.809	9.900	7.400	5.803	13.100	11.800	9.600	7.100	11.900	11.100
18	[illegible]	12.750	11.200	8.800	6.900	11.800	11.900	9.700	7.000	12.000	11.100
19	[illegible]	12.730	10.800	7.900	5.100	13.100	11.100	8.700	7.100	12.700	11.400
20	[illegible]	14.034	10.800	7.400	5.800	14.400	12.500	9.900	7.100	12.500	11.400
21	[illegible]	13.700	12.100	8.800	5.700	14.400	12.800	10.700	7.900	12.500	12.000
22	[illegible]	13.500	12.900	8.100	5.800	15.400	12.800	10.700	8.100	12.900	12.300
23	[illegible]	13.500	11.200	8.800	5.800	15.700	12.800	10.400	7.900	12.900	12.300
24	[illegible]	14.300	13.100	9.200	6.700	14.900	12.700	10.300	8.000	12.900	11.600
25	[illegible]	14.600	13.100	9.800	6.200	14.900	12.800	9.400	7.000	13.200	12.100
26	[illegible]	14.509	12.800	9.420	6.500	14.920	13.900	10.400	7.900	13.700	12.700
27	[illegible]	14.600	12.509	9.200	6.800	14.800	13.300	10.100	7.700	13.300	12.500
28	[illegible]	14.900	12.900	9.800	6.800	15.100	13.700	11.100	8.200	13.400	12.800
29	[illegible]	15.400	13.800	9.800	5.900	15.080	13.800	10.600	7.500	13.800	12.700
30	[illegible]	15.750	13.900	10.600	5.700	15.050	13.400	10.300	7.300	14.300	13.500
31	[illegible]	15.700	13.409	10.100	6.400	15.800	13.030	9.800	7.000	13.900	13.000
32	[illegible]	16.200	14.540	9.700	6.300	15.700	12.900	9.900	6.800	14.300	13.300
33	[illegible]	18.800	14.800	13.100	6.570	16.100	12.900	10.100	7.000	14.500	12.800
34	[illegible]	17.800	14.900	18.900	6.930	16.700	13.800	10.900	7.900	14.600	13.200
35	[illegible]	17.200	15.100	16.800	6.100	16.800	14.100	10.700	7.500	14.800	13.700
36	[illegible]	16.650	16.700	18.800	6.709	16.500	13.800	9.400	6.700	14.800	13.400
37	[illegible]	15.800	16.100	18.400	6.800	16.700	13.800	9.500	6.700	14.500	13.700
38	[illegible]	16.500	14.900	10.200	6.700	15.500	13.300	9.600	6.600	14.300	13.500
39	[illegible]	15.639	13.600	9.600	5.800	15.800	13.700	9.900	6.700	14.000	12.900
40	[illegible]	15.200	12.800	9.530	6.800	14.800	12.700	10.000	7.600	13.700	12.400
41	[illegible]	14.100	10.800	7.800	6.520	14.200	12.500	8.400	6.800	13.000	11.800
42	[illegible]	12.210	8.900	7.600	5.100	11.500	9.800	8.100	6.000	11.000	10.400
43	[illegible]	10.803	7.200	5.200	4.900	9.100	5.600	6.600	5.200	10.100	9.900
44	[illegible]	9.403	6.903	5.500	4.200	7.600	6.600	5.900	5.000	7.100	7.800
45	[illegible]	-1.200	-0.200	-0.200	-0.200	-0.200	-0.200	-0.200	-0.100	0.100	-0.100

TITLE = CASE 10   DATE 86/10/22   TIME 9130110

CH. INDEX		141 T= 71	142 T= 74	143 T= 75	144 T= 81	145 T= 82	146 T= 83	147 T= 86	148 T= 91	149 T= 92	150 T= 93
INITIAL		15.300	15.900	15.900	16.100	15.800	15.600	15.600	16.100	15.800	15.600
FINAL		15.100	15.100	15.900	15.200	15.700	15.300	15.400	16.200	15.800	15.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.100	-0.100	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	0.0
3	01 0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	0.100	0.100	0.100
4	01 0	0.100	-0.100	-0.100	-0.100	0.0	0.0	0.0	0.0	0.0	0.100
5	01 0	0.100	-0.100	0.0	-0.100	0.0	-0.100	0.0	0.0	0.0	0.0
6	0130	0.0	-0.100	-0.100	-0.100	0.0	0.0	0.0	0.0	0.0	0.0
7	11 0	1.300	0.800	0.300	0.100	0.200	0.0	0.0	-0.100	0.0	0.0
8	1130	5.100	3.000	2.800	4.800	1.300	2.000	2.000	1.800	3.100	2.400
9	21 0	5.900	4.200	3.800	5.400	5.200	4.600	3.400	3.600	5.300	4.900
10	2130	8.100	4.466	3.700	6.700	5.900	5.100	4.100	4.900	8.300	5.400
11	31 0	7.100	5.300	6.200	7.000	8.900	5.800	6.200	5.600	6.400	5.500
12	3130	7.500	5.500	6.200	7.900	8.900	5.800	6.800	6.200	7.000	5.900
13	41 0	8.500	6.000	6.700	4.500	7.900	6.300	6.700	8.800	7.600	6.200
14	4130	6.800	6.900	5.200	9.800	7.800	5.900	5.100	7.400	8.100	6.900
15	51 0	8.000	6.800	5.100	9.900	7.800	6.300	6.800	7.700	8.200	6.900
16	5130	9.000	6.900	5.100	9.800	7.800	6.400	6.900	8.100	8.600	8.900
17	61 0	8.900	6.900	5.000	10.000	8.800	6.500	5.200	8.400	9.100	7.300
18	6130	9.100	7.200	5.300	9.900	8.200	6.700	5.100	8.700	9.200	7.700
19	71 0	9.800	6.800	5.500	10.100	8.800	7.000	5.200	8.800	9.700	7.800
20	7130	9.000	6.900	6.900	10.200	8.800	7.100	5.400	9.000	9.500	8.500
21	81 0	8.300	6.806	8.900	10.500	9.100	7.100	5.500	9.500	9.900	8.400
22	8130	10.300	7.200	5.100	11.500	9.800	7.700	5.600	10.000	10.500	9.200
23	91 0	7.800	7.100	5.800	11.800	9.710	7.800	6.800	9.900	10.900	8.900
24	9130	6.700	7.000	5.300	10.700	9.200	7.300	5.800	9.800	10.800	9.100
25	101 0	8.600	7.103	5.200	11.600	9.790	7.650	5.700	10.080	11.000	9.500
26	10130	10.003	7.000	5.000	11.500	10.200	8.800	6.100	10.460	11.300	9.500
27	111 0	9.903	7.600	5.600	11.900	9.900	8.000	6.800	10.500	11.800	9.600
28	11130	10.800	7.200	5.806	11.900	10.800	8.300	6.200	10.700	11.900	9.800
29	121 0	10.200	6.900	5.100	12.100	10.460	8.900	6.800	10.900	11.400	9.800
30	12130	10.100	6.700	5.000	12.800	10.800	8.700	6.900	10.900	11.700	10.100
31	131 0	9.800	6.900	5.200	11.900	10.200	8.500	5.900	11.400	11.700	10.000
32	13130	10.800	7.100	5.800	12.600	11.000	9.103	8.700	11.900	12.700	10.300
33	141 0	9.800	8.800	5.300	12.800	11.100	9.000	8.500	11.800	11.900	9.800
34	14130	10.800	7.000	5.700	12.800	11.800	9.290	8.000	11.700	12.700	10.300
35	151 0	11.900	7.500	5.800	12.900	11.900	9.800	7.800	12.050	12.500	10.400
36	15130	9.900	6.900	5.500	12.900	11.000	8.800	8.800	12.100	12.800	10.500
37	161 0	10.103	7.900	5.500	13.200	11.200	8.800	8.700	11.900	12.200	9.900
38	16130	10.003	6.900	5.300	12.500	10.800	9.000	8.800	11.700	12.200	10.700
39	171 0	9.800	7.100	5.500	12.900	10.900	8.800	8.900	11.800	12.600	9.800
40	17130	9.900	6.950	5.100	12.200	10.720	8.900	8.800	11.700	12.700	9.900
41	181 0	9.200	8.800	5.100	11.103	10.050	7.800	5.900	11.100	11.300	9.300
42	18130	8.900	6.100	5.800	9.800	9.200	6.300	5.900	10.200	10.200	8.600
43	191 0	9.100	6.100	6.800	9.100	8.100	6.800	5.300	9.300	9.000	7.600
44	19130	6.700	5.100	5.100	7.800	6.800	5.200	6.600	8.700	7.800	6.100
45	62130	0.0	-0.200	-0.200	0.100	-0.100	-0.100	-0.200	0.100	0.0	-0.100

TITLE = CASE 10   DATE 86/10/22   TIME 9130110

CH. INDEX		151 T= 96	152 T= 99	153 T=101	154 T=102	155 T=103	156 T=104	157 T=111	158 T=112	159 T=113	160 T=114
INITIAL		15.800	15.700	16.200	15.900	15.700	15.700	16.300	16.100	15.800	15.700
FINAL		15.300	15.900	16.100	15.700	15.600	15.500	16.100	15.400	15.600	15.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.100	-0.100	-0.100	0.0	0.0	-0.100	-0.100	0.0	0.0
3	01 0	0.0	0.100	0.0	-0.100	0.0	0.100	-0.100	-0.100	0.0	0.0
4	01 0	0.0	0.0	0.0	-0.100	0.0	0.0	-0.100	-0.100	0.0	0.0
5	01 0	0.0	0.0	0.0	-0.100	0.0	0.0	-0.100	-0.100	0.0	0.0
6	0130	-0.100	0.0	-0.100	-0.100	-0.100	0.0	0.0	-0.100	0.0	0.0
7	11 0	0.0	0.0	-0.100	-0.100	-0.100	0.0	0.0	-0.100	0.0	0.0
8	1130	1.800	1.000	1.800	1.200	0.800	0.500	0.200	0.100	0.100	0.100
9	21 0	3.900	2.700	3.900	3.900	3.800	2.500	3.500	2.100	2.600	2.100
10	2130	4.900	3.400	5.030	4.700	4.900	3.400	4.700	3.400	3.800	3.500
11	31 0	6.800	8.500	5.900	5.800	6.700	3.800	6.100	6.700	6.900	6.800
12	3130	6.700	8.700	5.900	5.800	6.800	4.800	5.800	6.900	6.900	6.100
13	41 0	6.900	8.800	6.830	6.200	5.500	6.200	6.800	5.800	5.600	6.700
14	4130	5.800	8.300	7.200	6.700	6.500	6.300	6.800	6.000	5.700	6.960
15	51 0	5.100	6.200	7.600	7.100	6.100	6.800	7.800	6.900	6.200	5.900
16	5130	5.800	6.800	7.800	7.800	5.800	5.100	7.900	6.800	6.900	5.900
17	61 0	6.000	6.800	8.800	8.100	6.900	6.500	7.700	7.100	6.900	5.900
18	6130	6.200	6.700	8.800	8.100	6.900	5.400	7.700	7.100	6.600	5.500
19	71 0	8.800	6.800	8.700	8.500	7.100	5.900	8.100	7.500	7.000	5.900
20	7130	8.500	5.300	8.800	8.800	7.100	5.000	7.900	7.800	6.900	5.800
21	81 0	8.503	8.703	9.200	8.800	7.500	5.800	8.300	7.800	6.900	9.800
22	8130	7.500	9.800	9.700	8.800	7.500	5.800	8.400	7.800	7.000	6.800
23	91 0	7.300	9.103	9.800	9.200	7.900	6.200	8.900	8.600	7.500	6.200
24	9130	7.300	9.500	9.800	9.300	7.800	6.300	9.100	8.600	7.700	6.400
25	101 0	7.900	9.400	10.000	9.800	7.800	6.200	8.700	8.300	7.000	6.800
26	10130	7.800	9.400	10.200	9.300	7.500	6.000	9.100	8.900	7.700	6.100
27	111 0	8.003	9.900	10.200	9.830	8.200	6.200	9.400	8.900	7.800	6.500
28	11130	7.800	9.850	10.200	9.850	7.900	6.100	9.300	8.900	7.800	6.700
29	121 0	7.803	9.700	10.600	9.900	8.800	6.500	9.600	9.000	7.800	6.800
30	12130	7.903	9.700	10.800	9.700	7.800	6.100	10.000	9.200	8.200	7.000
31	131 0	7.800	5.300	10.900	9.700	7.800	5.800	9.800	9.400	8.200	6.700
32	13130	8.803	5.500	10.800	9.903	7.800	5.800	9.900	9.800	8.200	6.400
33	141 0	7.903	5.500	10.800	10.800	6.100	6.100	10.000	9.400	8.500	7.000
34	14130	7.903	5.200	11.100	9.800	7.300	5.800	9.700	9.500	8.600	6.900
35	151 0	8.893	5.800	11.200	10.200	8.100	6.900	10.000	9.700	8.700	6.900
36	15130	8.533	5.300	11.500	10.703	7.500	6.500	10.400	10.000	8.800	7.100
37	161 0	7.903	5.600	11.300	10.269	7.100	6.100	10.100	10.000	9.000	7.100
38	16130	8.000	5.700	11.600	10.800	7.830	6.700	10.000	9.400	8.500	7.000
39	171 0	7.400	5.800	11.800	9.800	7.700	6.000	9.700	9.700	8.300	6.900
40	17130	7.903	5.500	11.600	9.700	7.820	6.000	10.100	9.700	8.800	7.100
41	181 0	7.800	5.900	10.100	9.500	7.800	6.000	9.700	9.600	8.300	7.100
42	18130	8.803	6.000	9.900	9.100	7.500	5.600	9.700	9.100	7.900	6.300
43	191 0	6.700	6.700	8.600	7.903	6.100	5.200	7.900	8.100	6.600	5.600
44	19130	6.100	6.100	7.700	7.200	5.500	4.800	7.300	7.800	6.500	5.500
45	62130	-0.400	-0.200	-0.100	-0.200	-0.400	-0.200	-0.200	-0.200	-0.200	-0.200

TITLE = CASE 10   DATE 86/10/22   TIME 9130110

CH. INDEX		161 T=119	162 T=121	163 T=122	164 T=123	165 T=124	166 T=131	167 T=132	168 T=133	169 T=134	170 T=135
INITIAL		15.800	16.300	16.800	15.800	15.860	16.600	16.200	15.900	15.800	15.900
FINAL		15.700	16.400	15.800	15.600	15.600	16.800	16.000	15.700	15.600	15.700
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.100	0.0	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0
3	01 0	0.100	0.100	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	0.100
4	01 0	0.100	0.0	0.0	0.0	0.0	-0.100	-0.100	0.0	0.0	0.0
5	01 0	0.0	0.0	0.0	0.0	-0.100	0.0	-0.100	0.0	0.0	0.0
6	0130	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0
7	11 0	0.0	0.0	0.0	0.0	-0.100	-0.100	0.0	0.0	0.0	0.0
8	1130	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	21 0	1.800	1.000	1.500	1.200	0.700	0.300	0.300	0.300	0.200	0.100
10	2130	2.700	2.500	3.400	3.000	2.700	2.700	2.000	2.600	2.100	1.200
11	31 0	5.200	5.400	6.100	6.000	5.900	3.900	4.000	3.800	3.300	2.400
12	3130	5.100	6.100	6.700	6.100	5.800	6.200	4.000	4.200	3.800	3.000
13	41 0	5.700	6.000	6.200	6.700	6.000	6.700	4.800	4.800	3.900	3.700
14	4130	5.900	5.100	5.800	5.100	6.300	5.100	5.300	4.700	4.100	3.400
15	51 0	6.300	5.800	6.000	5.600	6.500	5.803	5.900	5.000	4.300	3.500
16	5130	6.200	5.800	6.140	5.700	6.800	5.900	6.100	5.800	4.800	3.900
17	61 0	6.400	6.303	6.300	5.800	6.800	6.000	6.300	5.600	4.900	4.000
18	6130	6.300	6.500	6.600	5.800	6.830	6.100	6.800	5.800	5.300	4.200
19	71 0	6.000	6.800	6.800	5.900	6.400	6.300	6.700	6.100	5.100	4.100
20	7130	6.300	6.800	7.800	6.200	5.700	6.800	6.900	6.400	5.700	4.500
21	81 0	8.900	7.000	7.100	6.700	5.200	6.800	7.100	6.500	5.700	6.700
22	8130	6.700	7.100	7.400	6.103	5.200	7.100	7.100	6.400	5.700	6.700
23	91 0	6.700	7.500	7.800	6.703	5.900	7.200	7.200	6.400	5.700	6.800
24	9130	5.200	7.800	7.800	6.900	5.800	7.600	7.400	6.900	6.000	6.900
25	101 0	6.800	7.700	7.700	6.700	5.800	7.700	7.800	7.100	6.300	5.100
26	10130	5.000	7.700	7.800	6.700	5.700	7.400	7.400	6.900	6.100	5.000
27	111 0	5.100	7.900	8.000	7.000	6.000	7.400	7.800	6.900	6.000	5.100
28	11130	5.300	8.000	8.300	7.200	6.100	8.000	8.200	7.300	6.700	5.000
29	121 0	5.100	8.000	8.100	7.800	6.000	7.800	8.000	7.200	6.900	5.100
30	12130	5.500	8.300	8.400	7.800	6.700	8.100	8.700	7.700	6.200	5.100
31	131 0	5.100	8.400	8.600	7.500	6.200	8.700	8.400	7.400	6.900	5.300
32	13130	6.900	8.500	8.500	7.200	5.800	8.200	8.100	7.100	6.200	4.900
33	141 0	5.000	8.400	8.700	7.400	6.000	8.200	8.400	7.100	6.000	4.800
34	14130	5.000	8.700	8.600	7.800	6.700	8.300	8.900	7.400	6.200	4.900
35	151 0	5.100	8.800	8.600	7.500	5.700	8.000	8.300	7.300	6.100	4.700
36	15130	5.500	9.000	8.700	7.500	6.300	8.300	8.800	7.700	6.100	4.700
37	161 0	5.900	9.200	9.200	7.400	6.130	8.700	8.800	7.700	8.000	5.100
38	16130	5.500	9.100	8.900	7.600	6.300	8.400	8.000	7.800	8.000	5.200
39	171 0	5.000	8.900	8.700	7.400	6.200	8.500	8.600	7.800	6.500	5.100
40	17130	5.200	8.900	8.700	7.300	6.000	8.300	8.500	7.900	6.700	5.000
41	181 0	5.300	8.800	8.500	7.900	5.800	8.300	8.100	7.100	6.200	5.800
42	18130	5.900	8.400	8.100	7.000	5.800	8.100	8.100	7.200	6.300	4.900
43	191 0	4.300	8.100	7.900	6.600	5.800	7.700	7.800	6.600	5.800	4.900
44	19130	4.600	7.400	7.000	5.900	5.050	6.900	7.100	5.900	5.300	4.400
45	62130	-0.100	0.100	-0.200	-0.200	-0.200	0.0	-0.200	-0.200	-0.200	-0.200

TITLE = CASE 10   DATE 86/10/22   TIME 9130110

CH. INDEX		201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31	208 S= 32	209 S= 33	210 S= 34
INITIAL		0.165	0.186	0.157	0.149	0.165	0.160	0.155	0.140	0.153	0.156
FINAL		0.140	0.155	0.150	0.144	0.141	0.154	0.152	0.136	0.151	0.155
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	100.113	100.193	100.967	100.116	100.606	100.117	100.219	100.907	100.198	100.013
3	01 0	100.556	101.413	105.130	100.841	100.887	100.823	101.179	101.601	101.779	100.198
4	01 0	100.887	102.066	104.510	100.719	103.516	101.196	101.487	102.202	101.799	100.475
5	01 0	100.669	101.927	103.871	100.712	100.818	101.896	101.410	101.980	101.509	100.411
6	0130	100.147	101.866	104.692	99.367	99.172	100.087	100.787	101.919	101.509	100.669
7	11 0	98.156	98.567	97.961	97.965	99.863	99.230	93.076	96.367	97.470	98.697
8	1130	97.691	96.665	98.606	95.617	97.136	99.896	78.096	87.777	88.965	95.779
9	21 0	98.878	99.226	99.798	98.766	99.877	100.150	90.919	97.012	96.767	98.709
10	2130	98.957	99.252	101.263	99.066	98.602	99.209	92.669	99.769	98.280	98.588
11	31 0	95.816	99.207	100.265	98.677	99.856	100.396	95.708	99.221	98.616	98.896
12	3130	97.219	99.663	99.699	98.608	98.766	98.678	96.761	102.087	98.086	99.193
13	41 0	96.650	100.226	101.166	100.910	100.290	100.980	97.617	102.076	98.966	98.960
14	4130	97.617	99.898	99.667	99.663	99.250	99.788	98.109	100.989	99.078	99.781
15	51 0	97.111	98.191	98.613	98.292	98.982	98.721	91.965	99.615	98.066	97.809
16	5130	96.123	99.610	101.620	99.614	99.236	97.709	91.767	101.801	98.605	96.983
17	61 0	96.167	98.977	96.560	98.751	99.631	99.291	95.776	103.601	97.876	98.601
18	6130	96.127	98.576	97.695	99.268	98.561	101.008	98.690	100.968	99.876	98.517
19	71 0	97.667	98.663	99.808	100.282	98.609	99.960	100.297	107.208	99.077	98.800
20	7130	96.691	99.086	99.217	99.596	98.656	98.836	96.791	106.083	98.332	98.883
21	81 0	96.117	99.028	96.639	99.256	98.694	97.867	96.767	106.676	98.069	98.200
22	8130	98.069	99.566	99.969	99.660	98.795	99.687	95.919	105.967	98.509	98.659
23	91 0	97.979	96.895	96.198	98.106	99.877	98.858	99.760	105.161	98.760	97.706
24	9130	91.577	97.927	97.669	98.269	98.291	103.312	95.641	105.107	98.931	97.505
25	101 0	98.117	100.196	102.161	100.763	100.625	99.566	97.356	106.801	98.966	97.678
26	10130	98.951	98.926	99.607	99.577	98.914	104.106	98.716	106.975	98.307	98.087
27	111 0	97.270	98.996	99.167	96.966	99.161	99.877	100.866	108.663	99.518	98.293
28	11130	97.241	96.256	100.875	100.219	99.684	100.961	99.761	108.606	99.570	98.067
29	121 0	97.196	98.419	100.296	99.706	99.601	100.050	101.710	107.570	98.268	98.117
30	12130	99.926	100.262	103.510	101.720	100.965	101.206	104.677	110.665	101.765	98.729
31	131 0	99.950	100.125	103.275	101.619	100.791	101.171	104.002	112.166	101.960	98.896
32	13130	99.816	100.065	103.967	101.938	100.760	101.135	104.097	111.973	101.981	98.995
33	141 0	99.755	99.630	102.920	101.657	100.867	100.981	104.950	111.766	101.798	98.981
34	14130	99.820	99.655	102.755	101.298	103.596	100.968	104.125	111.380	101.766	98.865
35	151 0	99.515	99.541	102.997	101.388	100.638	100.992	104.234	111.816	101.870	98.852
36	15130	99.176	99.629	103.255	101.871	100.455	100.921	104.215	111.866	101.900	98.813
37	161 0	99.295	99.258	102.666	101.070	100.515	100.807	104.110	111.208	101.760	98.816
38	16130	99.600	99.907	102.090	100.605	100.006	100.676	104.050	110.966	101.660	98.657
39	171 0	98.987	99.077	102.657	100.770	100.126	100.708	104.176	111.122	101.666	98.569
40	17130	99.275	98.171	100.605	100.663	99.775	100.381	105.066	110.250	100.958	98.666
41	181 0	98.716	98.057	100.835	100.260	99.676	100.587	105.970	110.969	101.065	98.158
42	18130	98.565	97.910	100.265	100.760	99.509	100.331	105.917	110.122	100.865	98.175
43	191 0	98.662	97.910	100.881	100.050	99.576	100.318	105.836	109.766	100.965	98.518
44	19130	98.811	97.705	100.618	99.750	99.611	100.268	105.576	109.390	100.803	98.261
45	62130	96.166	98.087	98.356	98.057	99.697	99.166	98.098	97.936	98.130	99.706

TITLE = CASE 10   DATE 86/10/22   TIME [illegible]

CH. INDEX		211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 51	217 S= 52	218 S= 53	219 S= 54	220 S= 55
INITIAL		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINAL		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	[illegible]	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2–45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TITLE = CASE 10   DATE 86/10/22   TIME [illegible]

CH. INDEX		221 S= 61	222 S= 62	223 S= 63	224 S= 71	225 S= 72	226 S= 81	227 S= 82	228 S= 83	229 S= 91	230 S= 92
INITIAL		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINAL		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	[illegible]	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2–45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TITLE = CASE 10   DATE 86/10/22   TIME [illegible]

CH. INDEX		231 S=101	232 S=102	233 S=103	234 S=111	235 S=112	236 S=121	237 S=122	238 S=123	239 S=131	240 S=132
INITIAL		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINAL		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	[illegible]	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2–45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TITLE = CASE 10   DATE 86/10/22   TIME [illegible]

CH. INDEX		250 V= 21	251 V= 22	252 V= 23	253 V= 24	254 V= 25	255 V= 26	256 V= 27	257 V= 28	258 V= 29	259 V= 71
INITIAL		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINAL		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1–45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TITLE : CASE 10 DATE 08/10/77 TIME 013011

CH. INDEX		260 V= 72	261 V= 73	262 V= 74	263 V=121	264 V=122	265 V=123	266 V=124
INITIAL		0.163	0.154	0.101	0.097	0.111	0.117	0.098
FINAL		0.122	0.106	0.104	0.072	0.100	0.097	0.083
LOOP	TIME	(N/S)	(N/S)	(N/S)	(N/S)	(N/S)	(N/S)	(N/S)
1	[illegible]	2.961		1.770	1.987	1.807	2.010	1.655
2	[illegible]	2.300		1.895	1.881	1.816	1.786	1.760
3	[illegible]	1.957		2.118	1.979	2.039	1.823	1.808
4	[illegible]	2.311		1.675	1.969	1.949	1.806	1.598
5	[illegible]	2.992		1.695	1.772	2.166	1.859	1.676
6	[illegible]	2.165		2.081	1.592	2.076	1.952	1.722
7	[illegible]	2.808		1.818	1.877	1.907	1.975	1.806
8	[illegible]	2.951		2.000	1.703	2.217	1.991	1.529
9	[illegible]	2.590		2.066	2.162	2.025	2.065	1.669
10	[illegible]	2.198		2.251	1.077	2.260	1.882	1.626
11	[illegible]	2.508		2.162	1.825	2.195	2.018	1.769
12	[illegible]	2.677		2.193	2.228	2.496	1.788	1.819
13	[illegible]	2.387		2.265	2.901	2.196	1.866	1.665
14	[illegible]	2.609		2.596	2.153	2.686	1.865	1.972
15	[illegible]	2.367		2.336	2.061	2.616	1.931	1.676
16	[illegible]	2.006		2.255	2.792	2.375	1.973	1.668
17	[illegible]	2.276		2.671	2.006	2.636	1.992	1.751
18	[illegible]	2.508		2.302	2.011	2.286	2.131	1.737
19	[illegible]	2.375		2.208	1.987	2.267	2.083	1.911
20	[illegible]	2.154		2.656	1.012	2.265	1.993	1.676
21	[illegible]	2.160		2.122	2.296	2.519	2.098	1.665
22	[illegible]	2.952		2.268	1.909	2.216	2.169	1.866
23	[illegible]	2.259		2.276	2.176	2.366	1.990	1.726
24	[illegible]	2.180		2.652	2.675	2.282	1.936	1.959
25	[illegible]	2.511		2.669	1.966	2.206	2.105	1.751
26	[illegible]	2.120		2.315	1.807	2.107	2.280	1.867
27	[illegible]	2.661		2.222	1.919	2.350	2.269	1.970
28	[illegible]	2.651		2.251	2.097	2.369	2.099	1.691
29	[illegible]	2.267		2.136	2.686	2.661	2.715	1.686
30	[illegible]	2.517		2.126	2.169	2.210	2.263	1.867
31	[illegible]	2.676		2.565	1.910	2.260	2.219	2.023
32	[illegible]	2.908		2.592	1.767	2.231	2.167	1.958
33	[illegible]	2.290		2.696	2.012	2.520	2.269	1.870
34	[illegible]	2.372		2.257	1.969	2.310	2.198	1.976
35	[illegible]	2.351		2.031	2.006	2.176	1.975	1.690
36	[illegible]	2.390		2.166	2.105	2.577	2.310	1.963
37	[illegible]	2.104		2.120	2.024	2.256	2.035	1.809
38	[illegible]	2.179		2.026	2.006	2.199	2.140	1.707
39	[illegible]	2.277		2.629	2.011	2.249	2.366	1.782
40	[illegible]	2.139		2.542	2.926	2.351	2.299	1.753
41	[illegible]	2.057		2.280	1.198	2.226	2.062	1.960
42	[illegible]	2.671		2.116	2.909	2.168	2.675	1.775
43	[illegible]	2.101		2.229	1.801	1.981	2.090	2.019
44	[illegible]	2.511		1.896	2.005	2.766	1.772	1.597
45	[illegible]	2.027		1.792	1.819	1.722	1.867	1.621

実験No.21　TITLE = CASE 12　(B)　DATE 86/10/22　TIME 111241 0

CH. INDEX		101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		15.300	15.600	15.600	15.500	15.300	15.300	15.400	15.300	15.500	15.500
FINAL		16.700	17.300	17.000	17.000	16.900	16.900	17.000	16.900	17.100	17.300
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	-0.100	0.0	-0.100	0.0	0.0	0.0	0.0	-0.100	0.0
3	01 0	-0.100	-0.100	0.0	-0.200	0.0	0.0	0.0	0.0	-0.100	0.100
4	01 0	-0.100	-0.100	0.100	-0.200	0.0	0.0	0.0	0.0	-0.100	0.100
5	01 0	0.0	0.0	0.100	-0.100	0.0	0.0	0.0	0.100	0.0	0.200
6	0130	1.200	14.100	9.000	5.600	4.100	4.000	2.500	1.900	1.300	8.400
7	11 0	2.900	21.700	17.300	11.600	8.120	6.100	4.000	3.500	2.500	22.100
8	1130	4.100	25.600	19.700	14.700	10.300	8.300	6.600	5.100	4.200	25.100
9	21 0	5.300	26.800	22.900	17.600	10.960	8.500	8.300	6.900	5.200	28.000
10	2130	6.600	30.600	22.900	19.000	16.900	11.200	8.300	8.100	6.000	32.700
11	31 0	7.200	30.400	22.900	16.300	13.700	12.700	10.700	10.100	7.000	34.600
12	3130	8.700	34.800	26.700	20.800	16.900	16.800	12.600	9.900	6.500	35.600
13	41 0	9.100	36.000	26.500	20.700	10.700	16.600	11.700	8.700	5.100	37.800
14	4130	10.130	36.000	29.300	21.200	14.100	16.100	10.400	7.700	6.900	39.500
15	51 0	10.800	38.800	30.800	23.100	17.000	16.400	10.800	8.800	6.500	39.900
16	5130	11.600	42.300	34.500	27.700	19.800	15.700	11.100	8.800	5.500	42.400
17	61 0	12.300	42.700	33.600	25.200	19.800	16.600	13.200	11.100	6.700	45.900
18	6130	13.000	43.300	32.500	26.600	19.800	15.800	12.620	9.600	5.700	47.900
19	71 0	13.800	44.100	36.100	24.600	22.800	18.400	14.800	13.100	10.400	45.100
20	7130	13.900	47.600	42.800	36.000	24.000	22.400	15.000	12.100	8.800	46.700
21	81 0	15.600	44.200	40.800	31.800	23.800	17.300	13.100	10.400	7.200	46.000
22	8130	15.900	49.500	39.800	33.200	26.830	20.700	14.900	12.900	9.800	46.700
23	91 0	15.200	48.500	39.500	32.600	26.800	20.500	15.900	12.000	7.300	47.500
24	9130	16.000	46.800	38.600	31.600	27.000	22.000	14.700	12.800	8.400	47.100
25	101 0	16.000	49.900	40.800	34.500	23.850	23.000	16.400	12.800	7.300	47.800
26	10130	17.100	50.400	44.000	36.400	24.130	22.800	16.800	15.600	9.700	50.100
27	111 0	16.700	50.700	45.800	40.600	31.600	24.000	17.000	12.400	7.600	49.700
28	11130	17.200	50.070	42.900	36.000	29.800	25.000	19.100	16.100	12.500	51.100
29	121 0	17.700	54.700	48.000	38.100	30.200	26.600	17.400	16.600	10.800	52.300
30	12130	18.200	55.700	48.600	40.200	31.700	26.600	19.300	15.600	10.900	53.500
31	131 0	18.500	53.200	46.800	37.800	30.600	22.000	15.700	11.900	6.700	52.600
32	13130	17.700	52.100	43.200	35.200	28.100	21.600	17.900	13.600	8.200	52.200
33	141 0	18.200	58.900	42.000	38.200	27.800	23.900	19.800	18.800	13.700	58.700
34	14130	19.200	54.200	40.600	39.200	31.600	26.700	19.600	16.700	11.600	52.900
35	151 0	18.200	51.000	45.600	37.000	29.600	23.300	19.000	15.500	9.600	52.300
36	15130	18.900	51.000	45.700	36.200	30.000	25.200	18.600	16.600	11.700	51.700
37	161 0	16.900	45.500	36.000	29.150	23.100	18.600	17.500	8.800	6.000	48.600
38	16130	18.503	45.500	36.300	29.330	26.100	19.700	15.200	11.800	7.800	47.000
39	171 0	17.700	40.500	32.800	27.200	21.950	16.900	16.500	11.300	7.700	40.600
40	17130	17.000	31.000	23.500	15.800	13.000	11.300	9.100	6.700	3.200	37.100
41	181 0	14.600	26.700	19.100	16.700	11.500	8.800	7.200	5.600	5.700	30.100
42	18130	13.100	20.400	16.100	12.800	9.700	8.600	6.900	5.900	4.000	26.200
43	191 0	12.000	18.100	16.000	11.800	6.500	7.900	6.200	5.100	3.600	21.800
44	19130	10.600	16.400	10.600	8.800	6.100	5.700	4.500	3.800	2.500	16.500
45	50169	1.600	1.700	1.600	1.500	1.600	1.600	1.600	1.600	1.400	1.800

TITLE = CASE 12　DATE 86/10/22　TIME 111241 0

CH. INDEX		111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		15.500	15.500	15.500	15.600	15.500	15.500	15.500	15.700	15.600	15.600
FINAL		17.100	17.000	17.000	16.800	17.000	16.900	16.900	17.400	17.100	17.000
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	-0.150	-0.100	-0.100	0.0	0.0	0.0	0.0	0.0	-0.100	-0.100
3	01 0	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
4	01 0	-0.100	-0.100	-0.100	0.0	0.0	-0.100	-0.100	-0.100	-0.100	-0.100
5	01 0	-0.100	-0.150	-0.200	0.0	0.0	0.0	-0.100	-0.100	-0.100	-0.100
6	0130	7.100	6.800	9.700	6.300	3.700	1.500	1.700	2.000	1.900	0.900
7	11 0	21.300	19.500	18.900	17.400	14.400	7.100	5.700	11.600	10.900	7.500
8	1130	24.800	22.200	20.800	17.900	15.000	10.200	7.500	17.900	14.700	17.500
9	21 0	26.030	26.700	22.600	20.900	17.700	12.700	9.200	21.600	20.600	19.400
10	2130	30.000	27.200	28.500	26.600	19.600	16.300	15.500	26.300	22.100	17.000
11	31 0	32.800	30.700	29.000	26.000	21.150	16.100	11.100	27.100	23.300	18.100
12	3130	34.500	31.800	29.800	27.500	21.800	16.200	11.900	28.700	26.500	18.900
13	41 0	35.500	40.100	37.100	29.500	26.600	18.100	13.200	30.800	26.700	20.500
14	4130	37.100	34.700	35.500	30.100	25.500	11.700	13.500	31.800	27.200	21.700
15	51 0	37.400	35.200	34.000	32.800	26.800	20.500	14.900	33.800	27.900	22.700
16	5130	40.800	36.700	37.400	29.800	26.100	20.000	17.900	33.800	27.500	22.500
17	61 0	41.000	37.500	36.800	30.900	26.200	14.500	16.800	34.300	30.800	26.700
18	6130	40.900	37.800	34.500	29.500	26.000	18.700	15.800	37.150	33.800	27.100
19	71 0	41.000	38.100	36.900	30.100	25.600	18.100	17.400	37.400	33.800	27.500
20	7130	43.300	38.100	33.500	28.200	21.500	16.600	11.100	38.700	34.700	28.300
21	81 0	44.600	40.200	36.100	38.900	23.900	18.000	12.500	39.200	36.100	29.400
22	8130	45.900	40.500	37.700	37.500	26.600	18.900	12.700	40.000	35.800	29.600
23	91 0	45.200	41.100	36.700	32.500	27.100	19.500	14.200	41.000	37.200	31.400
24	9130	45.100	41.800	37.800	31.300	23.700	18.600	12.700	41.000	37.900	32.500
25	101 0	45.300	41.400	36.300	31.800	25.500	19.800	15.900	40.900	37.100	32.300
26	10130	47.000	41.600	40.000	31.700	25.900	19.000	13.100	41.700	38.700	32.600
27	111 0	47.600	43.700	37.800	41.700	26.100	20.000	14.100	41.600	38.300	32.600
28	11130	48.300	43.400	36.700	30.400	23.700	19.600	13.600	42.600	39.600	36.100
29	121 0	49.600	44.400	39.100	32.400	23.500	19.100	13.200	43.700	41.000	35.700
30	12130	49.500	42.930	36.300	28.400	22.700	17.700	12.900	45.100	42.500	37.100
31	131 0	48.800	45.900	38.600	31.400	22.000	17.200	12.100	45.100	42.700	37.400
32	13130	49.700	46.600	39.600	35.300	26.100	19.600	13.100	45.900	42.900	38.000
33	141 0	48.600	46.900	41.100	32.700	26.100	18.300	13.200	46.300	40.900	36.300
34	14130	46.800	43.700	38.600	35.900	25.600	19.100	13.000	46.000	41.700	36.700
35	151 0	47.000	43.500	38.230	32.600	26.900	19.200	12.800	45.100	42.900	37.700
36	15130	47.700	41.600	36.900	29.100	21.800	17.800	12.500	46.800	45.200	37.600
37	161 0	45.700	42.600	38.230	32.800	25.700	19.900	14.100	43.500	40.800	35.600
38	16130	43.650	40.000	35.500	26.800	26.200	17.600	12.100	41.500	37.800	32.600
39	171 0	38.900	36.300	33.500	28.700	23.200	18.700	13.200	38.700	35.100	29.900
40	17130	36.900	32.900	30.000	26.500	22.400	16.500	11.600	35.400	31.000	26.800
41	181 0	29.103	27.600	25.600	27.400	14.200	17.100	12.700	31.100	27.700	23.700
42	18130	26.800	22.700	20.500	16.603	15.000	14.500	11.000	26.700	23.700	21.200
43	191 0	20.700	16.600	16.100	13.700	10.800	10.900	9.600	22.500	20.700	19.400
44	19130	16.600	15.000	11.600	9.250	7.300	7.900	6.300	18.500	17.400	17.000
45	50169	1.600	1.500	1.500	1.500	1.500	1.400	1.400	1.700	1.500	1.400

TITLE = CASE 12　DATE 86/10/22　TIME 111241 0

CH. INDEX		121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 38	126 T= 41	127 T= 42	128 T= 43	129 T= 44	130 T= 51
INITIAL		15.600	15.600	15.500	15.500	15.603	15.900	15.800	15.600	15.600	15.900
FINAL		17.000	17.000	16.900	16.800	17.000	17.650	17.200	16.900	16.900	17.600
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	-0.100	0.0	0.0	0.0	-0.100	-0.100	-0.300	-0.100	0.0	0.0
3	01 0	-0.100	-0.100	-0.100	-0.100	-0.105	-0.100	-0.300	-0.100	-0.100	-0.100
4	01 0	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.600	-0.100	-0.100	-0.100
5	01 0	-0.100	-0.100	0.0	0.0	-0.100	-0.100	-0.300	-0.100	-0.100	0.0
6	0130	4.700	0.600	2.800	6.700	1.100	0.100	0.100	0.100	0.100	0.0
7	11 0	5.700	4.600	4.300	3.900	4.300	14.800	10.200	6.000	2.800	5.800
8	1130	9.600	7.600	6.800	6.100	5.600	19.700	15.800	10.600	5.900	12.900
9	21 0	12.800	9.300	8.600	7.350	6.100	22.200	16.700	12.700	8.100	16.900
10	2130	11.500	10.600	9.200	7.500	9.500	23.900	19.300	16.600	9.700	19.500
11	31 0	16.900	11.100	9.500	7.200	5.600	27.000	21.300	16.600	11.300	21.800
12	3130	15.600	11.700	9.900	7.500	6.900	28.200	25.600	19.900	12.700	23.600
13	41 0	16.600	12.900	10.600	8.100	5.700	31.900	27.500	20.600	13.800	25.100
14	4130	17.200	11.100	10.900	8.000	5.700	30.900	27.500	22.900	14.000	26.700
15	51 0	16.000	14.200	11.700	8.800	5.900	32.700	28.000	21.100	15.600	27.100
16	5130	17.700	15.900	11.900	9.100	7.300	33.800	29.900	23.600	16.300	28.200
17	61 0	19.500	15.600	13.100	10.200	7.600	35.900	30.700	23.100	15.700	29.100
18	6130	21.500	17.800	14.500	11.700	6.900	36.500	29.900	22.600	15.700	30.100
19	71 0	22.100	17.800	15.300	12.600	8.300	37.300	35.100	24.100	15.100	31.000
20	7130	23.800	19.200	17.000	14.303	12.600	37.700	30.000	21.700	13.600	31.700
21	81 0	23.900	19.800	17.100	15.500	6.770	34.900	33.000	24.600	12.900	33.000
22	8130	26.000	20.500	17.600	14.600	10.700	39.600	35.700	25.700	13.900	32.800
23	91 0	25.500	20.800	17.000	15.005	6.900	40.100	32.600	23.900	14.100	33.600
24	9130	26.200	20.900	17.500	13.600	8.100	40.900	36.200	26.300	15.900	34.900
25	101 0	26.200	21.800	18.400	14.900	10.900	41.100	36.100	24.800	14.900	35.200
26	10130	26.100	21.900	18.900	15.100	10.900	40.800	32.000	25.800	13.900	36.900
27	111 0	27.100	22.900	19.700	15.300	12.000	41.800	35.900	25.600	16.300	36.700
28	11130	26.200	23.800	20.800	16.800	12.800	42.100	36.300	23.900	13.700	36.700
29	121 0	29.000	24.300	20.900	16.900	12.600	42.900	31.900	25.200	16.100	36.600
30	12130	31.000	25.200	20.800	15.600	10.300	44.200	36.200	21.600	17.600	37.500
31	131 0	31.700	26.200	22.100	16.600	12.100	44.600	35.300	22.200	17.900	37.800
32	13130	31.800	26.000	21.900	16.300	11.900	41.700	36.600	25.000	13.600	38.700
33	141 0	30.900	25.800	22.000	17.700	14.700	43.500	35.500	24.700	14.300	38.600
34	14130	30.803	25.300	21.900	16.500	11.100	43.100	37.100	25.500	14.200	37.600
35	151 0	31.100	25.200	21.000	15.200	10.100	44.300	35.600	24.100	16.100	38.600
36	15130	30.800	24.700	20.500	15.000	10.610	42.800	32.600	21.600	15.700	38.600
37	161 0	29.830	23.500	19.800	15.603	11.030	42.900	31.800	24.100	15.000	37.900
38	16130	27.900	22.200	18.100	13.500	9.300	39.800	32.100	22.900	15.900	35.600
39	171 0	25.600	20.000	16.300	12.000	6.600	37.600	31.600	21.200	15.800	34.900
40	17130	22.000	18.000	16.700	10.603	7.100	33.000	27.800	22.600	13.600	31.700
41	181 0	19.920	15.400	12.900	9.700	8.500	25.600	26.200	19.700	14.100	29.000
42	18130	17.800	14.300	11.100	6.100	5.600	22.800	18.300	16.700	10.800	25.900
43	191 0	16.600	13.800	11.200	4.700	6.800	16.500	12.600	9.000	7.600	21.800
44	19130	15.300	13.700	10.900	4.900	7.200	15.000	11.600	8.600	7.500	18.100
45	50169	1.400	1.600	1.400	1.600	1.600	1.700	1.600	1.300	1.300	1.700

TITLE = CASE 12　DATE 86/10/22　TIME 111241 0

CH. INDEX		131 T= 52	132 T= 53	133 T= 54	134 T= 55	135 T= 61	136 T= 62	137 T= 63	138 T= 64	139 T= 71	140 T= 72
INITIAL		15.600	15.700	15.700	15.800	16.000	15.800	15.800	15.700	16.100	15.900
FINAL		17.460	17.100	17.000	17.000	17.700	17.200	17.100	17.000	17.700	17.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	-0.100	-0.100	-0.100	-0.130	0.0	-0.100	0.0	0.0	0.100
3	01 0	-0.153	-0.200	-0.200	-0.200	-0.290	-0.200	-0.200	-0.100	-0.100	-0.100
4	01 0	-0.130	-0.200	-0.200	-0.200	-0.220	-0.200	-0.200	-0.100	-0.200	-0.100
5	01 0	0.0	-0.160	-0.100	-0.100	-0.100	-0.100	-0.200	-0.100	-0.100	-0.100
6	0130	0.0	-0.100	-0.160	-0.130	-0.100	-0.100	-0.200	-0.100	0.0	0.0
7	11 0	4.800	6.600	3.600	2.600	4.700	4.900	2.900	1.600	3.300	2.800
8	1130	11.700	14.600	9.600	6.100	14.300	10.800	7.700	4.500	11.000	9.700
9	21 0	15.600	15.900	11.600	7.600	17.000	16.000	10.700	7.600	14.500	13.300
10	2130	17.000	17.100	12.600	9.500	19.600	19.300	10.600	7.500	16.100	15.300
11	31 0	16.600	17.200	11.900	6.200	20.300	15.600	10.600	7.500	18.200	17.100
12	3130	21.200	17.100	12.900	7.100	22.600	17.600	12.600	9.100	19.600	19.100
13	41 0	21.100	16.500	11.500	6.200	22.600	19.200	15.700	10.600	20.800	19.600
14	4130	21.100	16.500	12.300	6.600	24.900	21.100	17.500	12.200	22.800	21.500
15	51 0	22.900	16.600	12.600	6.600	24.900	21.000	17.000	12.600	23.300	22.500
16	5130	24.500	19.600	12.230	7.000	26.100	21.700	17.200	11.900	24.300	22.300
17	61 0	25.203	19.900	12.300	7.000	27.603	23.500	19.900	14.600	26.000	23.000
18	6130	26.100	20.600	12.900	6.900	28.103	24.600	20.000	14.900	25.900	23.500
19	71 0	27.600	21.100	14.103	6.500	26.700	26.600	20.200	15.700	26.900	26.600
20	7130	27.300	20.800	13.900	6.300	29.500	25.300	20.100	16.700	26.300	26.200
21	81 0	26.900	21.700	14.100	6.600	32.300	28.800	21.600	15.600	26.800	23.300
22	8130	29.800	21.900	14.600	7.600	31.090	28.200	21.700	16.500	28.300	25.600
23	91 0	29.600	22.700	15.806	6.900	32.000	27.700	21.900	16.500	28.800	26.100
24	9130	31.100	24.500	15.760	8.500	31.960	27.500	22.400	16.300	28.800	26.800
25	101 0	31.500	24.800	16.600	9.500	32.703	28.600	22.900	16.600	29.000	27.200
26	10130	31.600	23.900	16.700	8.600	32.600	26.700	22.900	15.900	30.100	27.800
27	111 0	32.900	27.700	19.200	11.200	34.400	27.700	20.900	16.000	29.600	26.700
28	11130	33.500	27.600	18.800	9.800	35.100	28.700	22.100	16.000	30.000	28.800
29	121 0	33.900	26.700	19.300	10.600	34.500	28.600	23.100	15.000	31.200	29.600
30	12130	34.900	27.900	18.200	6.700	35.300	29.000	20.700	13.700	31.100	29.700
31	131 0	35.003	26.200	26.900	10.700	36.200	29.200	21.400	17.100	37.100	29.900
32	13130	35.700	30.600	22.500	11.600	36.300	29.100	21.100	13.600	37.600	30.600
33	141 0	35.600	28.000	19.200	10.000	36.600	30.000	25.700	14.000	35.000	30.900
34	14130	36.600	27.600	19.600	11.700	35.300	29.800	25.000	14.600	32.300	30.900
35	151 0	35.200	29.300	20.800	11.600	34.900	29.900	22.300	13.100	31.600	29.600
36	15130	34.900	26.200	16.700	9.950	35.900	30.100	22.000	12.700	32.600	31.100
37	161 0	36.100	26.200	18.800	12.600	35.100	28.000	21.300	12.900	31.700	29.100
38	16130	32.700	22.600	16.300	9.500	32.600	26.300	20.600	13.100	30.700	29.000
39	171 0	30.900	22.600	16.500	8.600	31.600	27.600	20.600	12.000	28.800	26.600
40	17130	26.200	20.200	15.500	7.900	22.500	26.900	16.900	11.000	26.700	26.800
41	181 0	26.300	18.900	12.600	7.600	25.100	21.900	16.600	11.600	26.700	25.100
42	18130	21.500	16.100	13.800	6.303	22.800	17.600	12.500	9.200	27.100	21.100
43	191 0	20.803	15.600	10.900	7.600	16.600	14.300	10.600	7.700	19.000	17.700
44	19130	17.503	17.100	9.600	6.000	15.600	14.900	10.600	6.100	15.800	16.100
45	50169	1.600	1.600	1.300	1.700	1.700	1.600	1.100	1.000	1.600	1.500

TITLE = CASE 12 DATE 86/10/22 TIME 111241 0

CH. INDEX		141 T= 73	142 T= 74	143 T= 75	144 T= 81	145 T= 82	146 T= 83	147 T= 86	148 T= 91	149 T= 92	150 T= 93
INITIAL		16.900	15.900	15.900	16.200	16.000	15.800	15.900	16.300	16.200	16.000
FINAL		17.400	17.200	17.200	17.700	17.500	17.200	17.200	17.400	17.700	17.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 6	-0.200	0.100	0.100	0.100	0.100	0.200	0.100	0.100	0.0	0.100
3	01 5	-0.300	0.0	0.0	0.0	0.0	0.100	0.0	0.100	0.0	0.0
4	01 2	-0.300	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	01 8	-0.200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	-0.100
6	0130	-0.200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	0.0
7	11 0	0.900	0.400	0.400	0.300	0.300	0.200	0.0	0.0	-0.100	0.0
8	1130	7.400	4.700	3.400	4.500	5.400	4.100	2.900	3.500	5.700	5.700
9	21 0	10.400	7.700	5.700	12.000	10.100	8.900	5.500	7.400	10.300	8.000
10	2130	12.500	9.000	4.600	14.700	12.400	10.900	7.100	10.500	12.900	10.900
11	31 0	13.800	10.100	6.800	18.100	15.900	11.100	8.800	12.500	15.800	11.400
12	3130	15.900	11.900	7.000	17.400	16.000	14.900	7.800	13.400	16.400	11.900
13	41 0	15.800	11.300	7.100	18.200	16.100	11.100	7.800	14.400	15.800	11.700
14	4130	16.900	12.000	7.500	19.600	15.400	13.000	8.000	15.500	16.700	14.800
15	51 0	16.500	16.100	8.400	20.700	17.200	13.500	8.800	17.000	18.400	16.000
16	5130	17.400	12.400	7.800	20.800	17.400	13.800	8.800	17.700	19.100	16.800
17	61 0	18.400	12.900	7.800	21.400	18.100	14.700	9.100	18.500	19.200	16.700
18	6130	17.900	12.300	8.400	22.400	19.400	15.000	10.400	18.800	19.700	16.700
19	71 0	18.000	13.900	7.900	23.400	20.100	17.400	11.700	19.500	19.900	16.400
20	7130	18.700	14.100	8.100	24.700	23.900	18.100	12.800	19.900	20.900	17.400
21	81 0	19.900	13.000	7.800	25.400	20.900	17.400	12.200	20.100	20.400	17.400
22	8130	20.000	13.800	7.900	24.700	21.800	17.400	11.200	21.100	21.700	17.100
23	91 0	20.300	14.100	7.900	25.700	22.100	19.400	12.700	21.500	22.400	17.700
24	9130	22.100	14.900	8.900	26.600	22.400	19.100	12.800	22.000	22.800	18.400
25	101 0	22.000	15.200	8.100	26.000	22.900	19.400	12.900	22.400	23.100	19.100
26	10130	22.200	15.700	8.900	26.700	23.400	19.700	13.000	23.800	23.700	19.500
27	111 0	21.200	15.500	8.700	25.900	22.000	19.000	12.200	23.100	23.100	18.500
28	11130	22.700	16.200	9.100	27.600	23.400	18.700	11.400	23.400	24.400	20.500
29	121 0	23.100	16.500	9.400	27.400	24.200	19.100	11.900	24.100	24.400	20.500
30	12130	23.300	17.100	10.300	28.600	24.900	19.500	12.400	24.400	25.300	21.500
31	131 0	24.100	17.100	9.900	28.700	24.400	17.900	11.200	24.400	25.900	20.700
32	13130	24.300	16.700	9.200	29.800	24.900	18.400	11.800	25.100	25.700	20.100
33	141 0	24.800	17.900	9.400	29.003	25.900	18.900	12.100	25.900	26.400	22.000
34	14130	24.900	17.000	10.400	29.800	25.700	21.100	13.200	26.200	26.700	22.400
35	151 0	23.900	16.300	9.200	29.000	24.900	20.800	17.400	25.400	26.000	21.400
36	15130	24.200	17.100	9.400	29.900	25.000	18.700	11.200	25.800	25.800	21.500
37	161 0	22.700	15.800	9.100	27.700	24.100	18.200	11.100	25.400	26.800	19.100
38	16130	22.900	16.200	10.100	28.100	24.800	18.800	11.700	25.700	25.000	20.700
39	171 0	26.400	16.900	8.900	26.700	23.100	18.300	12.800	24.300	24.000	19.100
40	17130	18.700	12.700	8.000	25.100	21.400	17.400	11.700	23.100	22.100	17.400
41	181 0	16.200	17.800	7.400	22.400	19.800	18.800	10.800	21.400	21.400	16.400
42	18130	17.400	12.400	8.200	20.900	16.500	13.200	9.400	20.400	19.400	16.900
43	191 0	16.100	10.800	7.100	17.100	15.750	11.900	8.200	18.500	16.900	14.300
44	19130	10.400	8.200	4.000	14.400	11.200	9.900	7.100	16.200	14.300	10.800
45	56144	1.500	1.400	1.300	1.500	1.500	1.400	1.300	1.400	1.500	1.400

TITLE = CASE 12 DATE 86/10/22 TIME 111241 0

CH. INDEX		151 T= 94	152 T= 95	153 T=101	154 T=102	155 T=103	156 T=104	157 T=111	158 T=112	159 T=113	160 T=114
INITIAL		15.900	16.300	16.300	16.200	16.000	16.000	16.100	16.200	16.100	16.000
FINAL		17.350	17.500	17.900	17.400	17.400	17.300	17.800	17.600	17.500	17.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 6	0.100	0.0	0.100	0.100	0.100	0.0	0.0	0.0	0.0	0.0
3	01 5	0.100	0.100	0.100	0.100	0.200	0.100	0.100	0.0	0.100	0.100
4	01 2	0.0	0.0	0.0	0.0	0.100	0.0	0.100	0.0	0.0	0.0
5	01 8	0.0	0.0	0.0	0.0	0.100	0.0	0.100	0.0	0.0	0.0
6	0130	0.0	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	-0.100	0.0
7	11 0	-0.100	-0.100	0.0	0.0	0.0	-0.100	0.0	0.0	-0.100	0.0
8	1130	2.000	1.000	2.900	1.900	1.000	0.400	0.400	0.100	0.100	0.0
9	21 0	5.600	3.200	7.700	4.400	5.400	2.800	4.800	5.700	3.300	2.700
10	2130	7.400	4.400	10.400	9.300	7.800	5.800	9.400	4.400	7.100	5.700
11	31 0	8.000	4.700	11.400	11.500	9.900	6.400	11.000	8.400	8.100	7.500
12	3130	8.900	5.900	12.900	12.900	10.400	7.000	12.000	10.700	9.400	8.100
13	41 0	13.100	6.400	14.000	14.900	11.300	7.800	12.700	10.900	9.400	7.900
14	4130	11.200	7.000	14.700	13.500	10.800	7.100	13.400	11.000	10.400	8.400
15	51 0	12.200	7.700	16.400	14.400	11.500	7.400	14.500	12.000	11.800	9.000
16	5130	12.900	8.100	17.100	15.300	12.700	8.400	15.500	14.100	13.100	11.000
17	61 0	13.200	8.000	17.400	15.500	12.130	8.100	15.700	14.500	13.700	11.100
18	6130	12.400	7.700	18.000	15.900	12.000	8.200	16.500	15.100	13.700	11.700
19	71 0	11.600	7.200	18.400	16.500	13.400	9.000	17.100	15.700	14.000	11.000
20	7130	11.900	7.400	18.800	17.400	14.130	4.400	17.400	16.100	14.100	11.000
21	81 0	12.900	8.800	19.200	17.400	15.000	10.100	18.400	16.500	14.400	11.400
22	8130	11.500	7.700	19.400	18.400	15.400	10.700	18.200	16.400	14.500	11.800
23	91 0	12.400	7.400	20.200	19.900	16.200	10.900	18.400	16.800	14.900	11.400
24	9130	12.600	7.700	20.400	19.900	16.400	11.500	19.000	17.400	15.000	11.700
25	101 0	15.300	8.000	21.200	20.100	16.700	11.300	19.700	17.800	15.500	12.200
26	10130	15.800	8.500	21.200	20.700	17.600	11.500	19.800	18.400	15.700	12.200
27	111 0	15.100	8.350	21.400	20.700	17.203	11.800	20.300	18.800	16.700	12.900
28	11130	16.900	9.100	21.800	24.900	17.200	11.400	19.400	18.600	15.900	12.300
29	121 0	16.500	8.900	22.400	21.100	17.400	11.400	20.400	19.000	16.800	14.800
30	12130	15.900	9.200	23.100	21.120	17.400	12.100	20.900	19.400	16.900	13.700
31	131 0	14.100	8.900	23.400	21.200	17.100	11.400	21.400	19.800	17.400	13.800
32	13130	16.800	9.300	23.500	21.400	17.900	11.900	21.400	20.000	17.400	13.700
33	141 0	16.500	9.400	24.900	22.200	16.400	12.000	21.800	20.300	17.800	14.700
34	14130	16.500	9.400	24.500	22.900	16.500	12.300	22.000	20.900	18.400	14.900
35	151 0	15.800	9.500	24.400	21.200	16.000	12.500	22.300	21.200	18.700	15.300
36	15130	15.800	9.400	24.500	22.900	17.400	12.900	21.900	20.700	17.800	14.600
37	161 0	16.800	9.800	24.230	22.520	17.430	11.000	21.700	21.000	18.300	14.400
38	16130	16.720	9.700	23.400	21.700	17.500	11.200	21.100	20.400	17.500	13.400
39	171 0	16.107	9.100	22.400	21.200	16.700	11.100	21.200	20.400	17.400	14.400
40	17130	12.500	8.500	21.800	23.700	16.900	11.500	20.300	19.700	16.100	12.700
41	181 0	11.300	7.400	20.100	16.400	16.703	10.200	19.100	19.000	15.400	12.400
42	18130	11.700	7.703	18.400	17.003	12.400	9.000	17.500	17.400	15.800	10.400
43	191 0	10.403	7.000	17.200	14.900	16.700	8.800	16.300	16.400	14.000	10.800
44	19130	8.350	6.100	14.900	13.900	10.360	7.900	14.100	14.900	11.800	9.100
45	56144	1.400	1.300	1.400	1.400	1.403	1.500	1.500	1.400	1.400	1.400

TITLE = CASE 12 DATE 86/10/22 TIME 111241 0

CH. INDEX		161 T=115	162 T=121	163 T=122	164 T=123	165 T=124	166 T=131	167 T=132	168 T=133	169 T=134	170 T=135
INITIAL		16.100	16.500	16.200	16.000	16.000	16.500	16.300	16.100	16.000	16.200
FINAL		17.900	17.900	17.400	17.400	17.500	17.800	17.700	17.500	17.400	17.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 6	0.0	0.0	0.0	0.100	0.0	-0.100	0.0	0.0	0.0	-0.100
3	01 5	0.0	0.0	0.0	0.100	0.100	-0.100	0.0	0.0	0.0	0.0
4	01 2	0.0	0.0	0.0	0.130	0.100	-0.100	0.0	0.0	0.100	0.0
5	01 8	0.0	0.0	0.0	0.130	0.100	-0.100	0.0	0.0	0.0	0.0
6	0130	-0.100	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	0.0	0.0
7	11 0	-0.100	-0.100	-0.100	0.0	0.0	-0.100	-0.100	0.0	0.0	-0.100
8	1130	-0.100	0.0	0.0	0.0	0.0	-0.100	-0.100	0.0	0.0	0.0
9	21 0	1.100	1.400	1.900	1.000	0.400	0.400	0.300	0.700	0.0	-0.100
10	2130	3.400	4.400	5.700	4.100	3.100	4.700	4.500	3.100	2.000	0.800
11	31 0	4.900	6.400	7.400	6.700	5.200	7.200	7.200	6.100	4.800	2.400
12	3130	5.800	8.000	9.100	6.200	6.000	8.400	8.400	7.700	6.700	4.000
13	41 0	5.500	9.200	9.400	7.400	7.400	7.400	9.500	8.500	7.400	4.900
14	4130	5.900	10.200	10.900	9.430	8.400	10.000	10.000	8.800	7.300	5.000
15	51 0	6.100	10.700	11.100	9.400	7.100	11.500	10.500	9.000	7.400	5.500
16	5130	7.100	11.030	12.100	10.900	7.900	11.900	11.700	10.800	8.500	5.800
17	61 0	7.250	12.400	12.900	10.400	8.700	12.600	12.500	10.900	9.200	6.300
18	6130	7.550	12.900	12.900	11.100	8.700	12.600	12.900	11.400	9.800	6.400
19	71 0	7.220	13.950	13.200	11.100	8.400	13.000	11.000	11.900	9.900	6.990
20	7130	8.700	13.400	13.490	12.200	9.100	13.400	13.400	11.800	10.000	6.700
21	81 0	7.200	14.200	14.300	12.700	9.400	13.900	13.000	11.400	9.800	6.600
22	8130	7.500	14.500	15.000	12.900	10.200	14.700	14.400	12.400	10.400	6.800
23	91 0	7.300	14.400	15.900	13.400	12.400	14.300	14.500	12.400	10.900	6.900
24	9130	7.300	15.300	15.300	12.100	8.400	15.000	15.000	12.400	10.900	7.100
25	101 0	7.400	15.700	16.000	13.400	10.400	15.400	15.000	12.000	10.400	7.300
26	10130	7.400	16.300	16.200	13.700	10.100	15.900	15.700	13.500	11.200	7.700
27	111 0	6.500	16.700	16.500	14.400	10.500	16.800	16.100	13.800	11.400	7.800
28	11130	7.400	16.800	16.800	14.700	10.700	16.400	16.400	14.300	12.200	8.300
29	121 0	6.700	17.100	17.100	14.500	10.500	16.400	16.320	14.000	12.100	8.200
30	12130	6.800	17.400	16.900	14.900	10.100	16.700	16.400	14.500	12.400	8.700
31	131 0	8.800	17.200	17.400	14.700	16.400	16.800	16.900	16.800	12.400	8.400
32	13130	8.800	18.000	17.900	16.400	16.500	17.300	17.200	16.800	12.400	8.500
33	141 0	8.700	18.100	17.700	16.400	16.500	17.300	17.300	16.900	12.400	8.500
34	14130	9.000	18.800	17.900	15.200	16.500	17.400	17.400	15.100	12.700	8.400
35	151 0	8.900	18.950	18.900	15.800	11.200	18.450	18.200	15.430	13.000	8.300
36	15130	9.700	18.800	18.000	15.400	16.900	18.500	18.500	16.400	13.700	9.200
37	161 0	8.400	18.800	17.800	16.400	10.400	17.800	18.100	15.800	12.900	9.700
38	16130	8.800	18.900	17.900	16.700	10.530	17.900	18.000	15.200	12.800	8.800
39	171 0	9.100	18.400	17.700	16.600	10.700	17.300	17.500	15.100	12.200	8.400
40	17130	8.000	18.100	17.700	16.200	16.400	17.500	17.400	15.200	12.400	8.900
41	181 0	8.503	17.400	16.700	15.403	16.000	16.800	16.800	16.300	11.800	8.500
42	18130	7.800	16.400	15.500	12.700	9.400	15.700	15.900	13.800	11.400	8.000
43	191 0	7.900	15.400	14.403	11.400	9.100	14.800	14.700	12.900	10.100	7.300
44	19130	7.000	16.500	13.800	10.700	7.900	13.700	13.900	11.900	9.700	6.800
45	56144	1.300	1.400	1.400	1.400	1.400	1.300	1.400	1.400	1.400	1.300

TITLE = CASE 12 DATE 86/10/22 TIME 111241 0

CH. INDEX		201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31	208 S= 32	209 S= 33	210 S= 34
INITIAL		0.156	0.171	0.149	0.165	0.158	0.169	0.158	0.165	0.167	0.161
FINAL		0.152	0.166	0.158	0.159	0.153	0.166	0.153	0.156	0.160	0.157
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 6	100.006	100.012	100.170	99.948	100.146	99.925	100.006	99.959	100.017	100.056
3	01 5	100.013	100.217	100.616	100.006	100.222	99.961	100.066	100.050	100.117	100.081
4	01 2	99.929	99.526	98.567	99.667	100.075	99.549	99.792	99.484	99.650	99.981
5	01 8	99.941	99.481	98.979	99.909	100.218	99.675	99.861	99.540	99.605	99.996
6	0130	99.429	99.103	97.919	95.509	99.445	99.565	99.775	99.549	99.551	99.050
7	11 0	98.766	95.077	96.950	92.100	98.641	95.612	93.081	94.980	94.200	96.476
8	1130	96.159	89.101	76.306	81.415	96.920	92.106	76.876	86.376	89.455	96.937
9	21 0	93.354	95.459	89.855	96.913	96.916	95.520	88.836	92.471	97.391	95.967
10	2130	96.325	96.237	95.361	96.651	94.137	96.108	91.707	95.077	96.903	97.706
11	31 0	95.368	95.444	92.448	96.451	97.666	95.972	91.991	96.409	95.310	97.715
12	3130	95.326	96.107	92.093	91.644	97.293	97.888	92.888	96.235	96.465	97.366
13	41 0	96.985	95.860	92.462	96.152	96.761	96.433	99.756	95.976	95.960	97.752
14	4130	97.965	93.845	88.605	96.601	96.431	96.701	89.666	93.287	95.160	97.325
15	51 0	85.050	91.164	86.320	92.540	95.176	95.365	85.557	86.717	91.564	95.717
16	5130	84.593	84.926	86.962	92.040	93.644	93.442	85.126	88.420	89.171	92.060
17	61 0	91.633	95.308	80.427	96.612	96.526	96.645	88.487	91.201	92.816	96.103
18	6130	92.766	93.296	89.475	96.707	93.543	95.452	90.056	91.776	93.476	96.457
19	71 0	91.615	92.104	87.025	73.468	93.428	96.374	92.389	92.726	94.951	97.186
20	7130	91.447	92.597	88.848	94.423	94.514	95.407	91.669	93.051	93.922	96.840
21	81 0	92.867	92.088	88.758	89.805	96.862	95.150	91.807	91.062	96.380	96.321
22	8130	92.546	92.615	79.478	76.667	96.414	95.856	88.676	90.746	93.805	96.408
23	91 0	88.258	88.117	80.673	86.309	90.677	96.815	86.057	88.199	90.004	93.745
24	9130	85.408	87.421	80.456	90.722	91.665	91.759	86.233	85.751	88.615	95.698
25	101 0	86.991	89.388	87.667	17.424	93.100	95.410	88.670	88.484	87.994	96.059
26	10130	88.905	86.866	86.715	90.709	91.999	96.797	88.596	89.066	87.068	96.857
27	111 0	87.486	87.406	83.410	91.136	91.975	96.556	89.366	88.858	95.356	95.468
28	11130	87.475	87.251	87.755	90.660	91.301	95.836	89.205	87.076	93.787	96.976
29	121 0	88.757	87.521	81.221	91.457	92.807	96.619	89.188	87.675	92.008	95.754
30	12130	91.276	80.786	87.367	92.460	93.966	95.917	92.671	88.815	96.606	95.097
31	131 0	91.484	80.425	88.914	92.749	93.966	96.016	93.497	90.447	95.866	96.430
32	13130	90.666	87.315	85.897	97.150	93.212	95.570	92.911	88.380	96.975	95.885
33	141 0	90.227	88.668	85.309	91.467	92.994	95.147	92.470	88.751	96.540	95.725
34	14130	89.984	88.075	85.486	91.516	92.915	95.240	92.235	88.611	96.401	95.369
35	151 0	86.545	85.486	84.775	93.447	92.229	95.068	91.936	87.870	96.190	95.164
36	15130	86.861	85.978	86.170	93.465	91.956	96.026	91.650	87.676	96.056	96.980
37	161 0	88.888	85.486	86.626	82.566	92.216	95.722	91.986	87.706	96.456	95.129
38	16130	88.717	85.176	81.111	88.171	91.969	94.966	91.676	87.226	96.203	96.951
39	171 0	88.197	88.543	85.569	89.881	91.665	96.856	91.669	86.819	96.012	96.915
40	17130	88.255	86.537	80.595	73.755	91.575	96.857	91.531	86.966	96.365	96.727
41	181 0	88.851	86.617	86.866	89.497	91.811	96.482	91.606	88.013	96.257	96.677
42	18130	87.490	86.182	86.197	89.297	91.661	96.752	91.279	88.565	96.012	96.372
43	191 0	87.856	86.166	86.687	88.549	91.617	96.676	91.241	88.515	93.960	96.472
44	19130	87.874	86.109	86.512	86.827	90.645	96.419	91.090	86.766	93.809	96.390
45	56144	97.310	96.137	93.865	96.219	97.146	96.817	86.661	96.737	95.750	98.020

TITLE = CASE 12 DATE 86/10/22 TIME 111241 0

CH. INDEX		211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 51	217 S= 52	218 S= 53	219 S= 54	220 S= 55
INITIAL		0.161	0.164	0.162	0.179	0.162	0.140	0.160	0.163	0.163	0.169
FINAL		0.158	0.157	0.159	0.160	0.163	0.156	0.165	0.159	0.156	0.166
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 6	100.029	100.041	100.003	99.676	100.138	99.979	100.042	99.916	100.086	100.077
3	01 C	100.176	100.110	100.063	99.976	100.734	100.013	100.061	99.969	100.388	100.307
4	01 d	99.296	100.122	100.062	99.967	99.659	99.919	100.101	99.959	98.017	98.804
5	01 6	99.673	100.161	100.037	99.969	99.597	99.969	100.101	99.049	99.165	98.023
6	0130	99.318	99.988	100.010	99.996	99.621	99.959	100.053	99.975	99.047	98.869
7	11 0	98.809	93.217	98.075	96.705	96.977	97.176	98.469	97.550	97.330	97.335
8	1130	91.267	78.308	88.036	87.547	87.709	88.816	88.178	88.016	88.896	92.741
9	21 0	95.092	85.600	92.656	92.512	92.076	98.772	87.180	91.093	97.139	91.250
10	2130	96.902	91.149	98.757	94.579	95.737	95.604	97.706	94.075	93.351	95.297
11	31 0	97.315	91.361	98.307	95.655	95.610	98.999	94.358	95.065	94.956	95.297
12	3130	98.768	91.170	96.016	96.665	96.606	95.008	96.025	98.119	95.366	95.966
13	41 0	97.917	91.109	96.198	95.027	96.649	96.986	96.918	96.058	95.605	95.808
14	4130	96.900	91.280	94.230	90.088	95.677	95.329	96.827	96.037	96.783	96.618
15	51 0	95.671	86.565	89.797	92.914	93.617	93.516	92.699	95.560	93.910	94.735
16	5130	89.302	81.086	80.815	77.509	89.261	88.627	88.223	89.261	90.810	91.673
17	61 0	95.575	90.453	93.118	76.585	96.175	97.103	91.662	95.667	92.705	92.693
18	6130	95.889	90.766	95.616	96.700	95.616	95.625	95.166	96.922	95.721	96.871
19	71 0	97.272	91.761	97.192	96.161	96.025	93.966	97.608	95.729	95.922	96.956
20	7130	95.615	90.616	95.366	96.699	95.741	93.748	93.560	95.863	96.785	95.611
21	81 0	96.621	96.767	95.605	96.068	95.601	95.896	93.616	96.181	96.669	96.050
22	8130	96.815	96.779	95.602	96.676	96.165	96.192	95.859	96.310	96.887	96.076
23	91 0	95.270	87.970	91.110	92.057	93.971	93.566	92.368	96.216	96.722	96.900
24	9130	96.571	81.736	87.179	89.061	96.672	88.051	88.180	90.767	90.380	90.576
25	101 0	97.716	88.868	90.871	92.509	95.115	91.015	90.229	93.068	93.857	93.096
26	10130	95.965	87.118	90.139	92.792	96.669	91.991	91.127	94.240	95.227	96.776
27	111 0	95.276	85.900	90.075	92.791	93.522	90.978	90.759	94.240	91.307	92.999
28	11130	96.177	87.613	90.951	93.036	93.107	90.706	90.066	92.969	93.086	95.596
29	121 0	95.629	86.702	90.216	92.715	91.043	90.951	90.521	93.798	93.577	92.531
30	12130	97.190	89.026	91.662	95.071	96.690	92.020	91.703	94.040	94.701	95.066
31	131 0	97.740	92.221	93.605	95.620	96.037	96.171	96.168	97.660	97.416	95.795
32	13130	96.700	91.732	93.296	95.679	95.061	91.725	96.037	96.942	95.966	96.800
33	141 0	96.553	91.377	92.902	95.179	96.672	93.266	93.580	96.306	95.167	95.165
34	14130	92.967	91.011	92.991	96.990	96.656	93.957	91.386	96.518	95.940	95.601
35	151 0	96.610	90.691	92.107	96.015	96.696	92.665	93.016	96.709	95.282	93.177
36	15130	96.191	90.360	91.661	96.615	96.376	92.367	97.671	95.404	95.011	92.927
37	161 0	97.235	90.149	91.529	96.679	95.650	92.567	92.313	95.659	96.887	96.903
38	16130	96.999	89.920	91.239	96.300	95.161	92.093	92.060	95.401	95.402	96.516
39	171 0	96.912	89.617	90.961	96.131	96.977	91.755	91.066	95.206	96.156	96.030
40	17130	97.677	89.663	90.709	93.999	95.707	91.059	91.501	96.990	97.275	95.392
41	181 0	97.650	89.330	90.650	95.062	95.606	91.672	91.371	96.805	97.170	95.240
42	18130	97.296	89.169	90.169	95.659	95.766	91.240	91.282	96.742	96.906	96.859
43	191 0	97.615	89.139	90.011	93.969	95.306	91.147	91.115	96.539	96.918	96.989
44	19130	97.229	88.982	89.608	95.650	95.242	91.109	90.985	96.369	96.766	96.861
45	56147	96.060	96.175	97.770	97.717	97.725	97.699	97.987	97.611	96.849	97.800

TITLE = CASE 12 DATE 86/10/22 TIME 111241 0

CH. INDEX		221 S= 61	222 S= 62	223 S= 63	224 S= 71	225 S= 72	226 S= 81	227 S= 82	228 S= 83	229 S= 91	230 S= 92
INITIAL		0.168	0.171	0.163	0.158	0.165	0.162	0.165	0.162	0.164	0.168
FINAL		0.159	0.160	0.161	0.156	0.163	0.158	0.162	0.157	0.160	0.166
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 6	99.982	99.919	99.982	100.025	100.026	100.018	100.036	100.006	100.000	99.987
3	01 C	100.012	99.962	99.896	100.000	100.041	100.057	100.067	100.096	100.012	99.996
4	01 d	99.782	99.901	99.957	100.015	99.982	100.012	100.062	99.975	100.030	99.958
5	01 6	100.000	99.962	99.868	100.032	100.000	100.051	100.036	99.975	100.018	99.960
6	0130	100.012	99.961	100.018	100.000	100.000	100.031	100.018	99.981	100.006	99.987
7	11 0	99.226	99.966	99.938	99.675	100.000	100.063	100.076	99.996	100.000	99.966
8	1130	96.282	95.619	97.758	95.690	95.610	96.757	97.930	98.735	97.755	98.570
9	21 0	96.677	91.256	95.216	88.685	84.207	87.997	91.313	95.118	91.039	97.666
10	2130	95.524	95.380	97.675	93.108	92.089	92.319	93.792	95.260	90.163	88.666
11	31 0	96.150	95.368	98.070	96.686	95.695	96.142	95.696	96.192	96.186	96.021
12	3130	97.509	96.028	98.278	96.812	96.510	95.767	96.896	97.110	95.665	96.782
13	41 0	96.965	96.097	98.815	95.241	96.051	95.666	96.023	97.596	95.812	95.606
14	4130	96.866	95.115	96.267	96.282	95.251	95.255	96.067	97.657	95.672	95.996
15	51 0	95.980	96.962	97.396	97.600	96.607	96.919	96.629	97.621	95.708	95.765
16	5130	91.269	91.116	95.265	96.112	91.759	92.928	95.568	95.605	96.255	93.651
17	61 0	96.222	96.145	96.062	89.685	90.212	96.596	91.009	96.669	90.176	88.701
18	6130	96.607	95.106	97.273	92.656	95.097	96.572	95.666	96.786	97.386	97.258
19	71 0	95.666	95.236	97.562	93.210	96.917	95.276	95.126	97.350	96.613	96.678
20	7130	96.356	95.692	97.592	96.786	95.566	95.379	95.005	97.179	96.880	96.936
21	81 0	95.698	95.268	97.356	91.515	96.330	95.766	95.677	97.919	96.620	95.608
22	8130	95.126	95.268	97.661	93.958	97.863	96.070	95.785	98.195	96.996	95.670
23	91 0	96.992	95.657	97.291	92.256	96.069	95.975	95.591	97.962	95.276	96.062
24	9130	96.625	91.291	94.711	98.125	92.562	95.129	95.330	97.109	96.868	95.608
25	101 0	91.096	91.697	95.759	87.776	91.572	87.705	88.580	96.069	90.166	89.908
26	10130	95.819	95.608	96.838	92.903	92.716	92.960	92.065	96.607	97.031	90.657
27	111 0	92.903	95.696	96.826	91.762	95.656	92.955	95.060	97.167	95.377	96.027
28	11130	97.694	92.765	96.170	91.132	96.906	93.205	95.620	97.509	92.668	95.712
29	121 0	91.962	92.252	96.501	90.967	95.965	93.165	97.676	97.105	92.560	93.226
30	12130	92.607	92.918	96.691	91.159	96.910	92.979	93.192	97.266	92.861	96.027
31	131 0	96.216	96.355	97.757	93.619	97.646	96.215	96.751	97.665	95.578	96.592
32	13130	96.252	96.919	97.817	96.626	99.799	96.270	96.217	98.866	96.165	97.278
33	141 0	97.922	96.598	97.661	96.706	96.666	96.026	95.607	98.759	96.128	97.567
34	14130	91.535	96.626	97.990	95.762	90.516	95.706	95.720	98.611	95.826	97.129
35	151 0	93.133	96.091	97.675	91.665	90.691	95.670	95.502	98.576	95.615	97.028
36	15130	92.765	95.362	97.368	95.160	90.796	95.109	95.265	98.657	95.575	96.952
37	161 0	92.679	92.907	97.310	92.908	90.298	96.016	96.071	98.369	95.179	96.715
38	16130	97.191	92.809	97.208	92.660	90.155	96.665	96.071	98.105	96.951	96.596
39	171 0	91.666	92.566	97.132	92.567	98.625	96.666	96.665	98.210	96.716	96.670
40	17130	91.566	92.601	97.096	92.125	98.007	96.215	96.677	98.156	96.539	96.363
41	181 0	91.291	97.069	96.956	91.692	97.600	93.981	96.271	98.029	96.176	96.292
42	18130	91.109	97.662	96.662	91.655	97.767	95.756	96.035	97.965	96.107	96.157
43	191 0	96.967	91.606	96.768	91.676	97.632	95.967	95.867	97.650	95.975	96.006
44	19130	96.265	91.530	96.672	91.520	97.662	95.659	95.655	97.726	95.796	96.917
45	56147	95.281	97.351	96.621	97.555	96.616	97.520	98.005	97.195	97.535	96.562

TITLE = CASE 12 DATE 86/10/22 TIME 111241 0

CH. INDEX		231 S=101	232 S=102	233 S=103	234 S=111	235 S=112	236 S=121	237 S=122	238 S=123	239 S=131	240 S=132
INITIAL		0.158	0.169	0.165	0.166	0.161	0.142	0.193	0.167	0.157	0.158
FINAL		0.162	0.168	0.166	0.161	0.160	0.137	0.190	0.165	0.153	0.156
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 8	100.012	99.996	100.036	100.000	100.008	100.041	100.015	100.036	99.996	100.000
3	01 H	100.018	99.988	100.088	100.003	99.916	100.208	100.013	100.077	100.000	100.000
4	01 0	100.026	99.976	100.066	100.017	100.006	99.985	100.013	99.881	99.987	100.000
5	01 6	100.026	99.982	100.006	100.031	100.012	99.606	100.015	99.797	100.000	100.008
6	0130	100.026	100.018	100.069	100.009	100.006	99.627	100.007	99.779	100.019	100.013
7	11 0	100.030	100.018	100.075	100.009	100.017	99.585	100.007	99.779	100.006	100.013
8	1130	99.170	99.665	100.066	100.065	100.006	99.669	100.013	99.827	100.006	100.019
9	21 0	98.197	98.556	98.056	98.033	98.076	97.669	99.980	99.669	99.976	100.013
10	2130	85.760	91.635	93.606	88.291	85.161	90.717	99.651	99.020	98.226	99.298
11	31 0	95.691	95.669	95.509	96.170	92.369	82.290	98.752	96.667	96.239	95.555
12	3130	96.196	95.923	97.226	90.625	96.017	86.200	99.107	96.210	95.108	96.060
13	41 0	95.096	96.911	97.510	92.096	96.956	90.776	99.366	97.106	96.726	96.500
14	4130	96.959	96.901	89.360	95.576	96.567	91.779	99.606	97.676	97.261	96.557
15	51 0	95.615	97.261	97.965	93.671	96.657	91.969	99.658	98.126	97.696	97.022
16	5130	95.066	99.912	97.226	96.110	96.256	92.651	99.625	97.665	97.298	97.115
17	61 0	87.318	93.606	95.600	90.965	96.551	89.501	99.768	97.617	97.905	97.220
18	6130	88.656	92.198	96.970	88.186	90.777	86.306	98.050	96.069	96.161	95.560
19	71 0	95.196	96.822	97.331	90.665	96.857	86.712	98.915	95.597	96.298	93.612
20	7130	95.735	95.921	87.181	93.169	95.565	87.633	99.105	96.695	95.963	93.127
21	81 0	96.029	95.672	97.660	93.260	95.961	96.061	99.176	97.619	96.985	95.891
22	8130	91.703	95.615	97.198	96.085	96.166	91.076	99.137	97.565	97.036	96.789
23	91 0	96.796	95.397	97.676	96.310	96.196	90.985	99.961	97.592	97.177	96.551
24	9130	91.902	95.338	97.377	95.002	95.966	91.259	99.066	97.657	97.286	96.715
25	101 0	89.661	92.505	95.105	92.920	99.026	90.710	98.922	97.606	97.105	96.770
26	10130	90.306	92.795	93.026	88.791	91.256	81.096	98.335	95.787	96.117	95.658
27	111 0	92.061	93.515	96.295	89.969	93.596	81.952	98.326	95.665	93.702	93.120
28	11130	92.900	96.177	96.670	92.509	96.797	85.660	98.665	96.677	95.653	95.069
29	121 0	92.272	95.666	96.192	92.609	96.669	87.866	98.619	96.627	96.252	95.035
30	12130	91.999	91.857	96.712	92.190	96.760	87.316	98.307	96.571	96.149	96.056
31	131 0	92.692	96.161	97.173	97.306	96.650	87.766	98.260	96.708	95.995	95.392
32	13130	96.966	95.318	98.199	96.709	95.596	88.291	98.203	96.616	95.980	95.676
33	141 0	96.396	95.066	98.616	96.619	97.126	90.990	98.373	97.106	96.687	95.660
34	14130	96.196	95.800	98.677	98.505	97.176	93.713	98.967	97.762	97.701	97.136
35	151 0	95.969	95.667	98.392	98.279	97.000	93.262	98.235	97.610	97.798	97.812
36	15130	95.799	95.676	98.366	98.212	96.951	92.956	98.111	97.903	97.605	97.673
37	161 0	95.569	95.256	98.259	98.065	96.810	93.667	97.996	97.796	97.690	97.501
38	16130	95.397	95.090	98.229	97.907	96.699	93.038	97.856	97.597	97.363	97.676
39	171 0	95.166	96.890	98.189	97.839	96.600	92.700	97.726	97.655	97.196	97.362
40	17130	96.977	96.692	98.116	97.726	96.909	92.006	97.600	97.610	97.068	97.273
41	181 0	96.002	96.908	98.060	97.577	96.601	92.765	97.677	97.527	96.961	97.178
42	18130	96.609	96.366	97.961	97.675	96.318	92.696	97.327	97.619	96.796	97.071
43	191 0	96.699	96.196	97.915	97.223	96.226	92.257	97.185	97.361	96.660	96.975
44	19130	96.119	96.066	97.776	97.161	96.161	92.096	97.079	97.300	96.518	96.803
45	56144	97.639	98.258	99.263	96.016	96.600	96.963	98.000	98.688	97.943	98.719

TITLE = CASE 12 DATE 86/10/22 TIME 111241 0

CH. INDEX		250 V= 21	251 V= 22	252 V= 23	253 V= 24	254 V= 25	255 V= 26	256 V= 27	257 V= 28	258 V= 29	259 V= 71
INITIAL		0.166	0.172	0.156	0.155	0.151	0.165	0.162	0.165	0.165	0.096
FINAL		0.161	0.161	0.135	0.155	0.151	0.156	0.160	0.159	0.160	0.126
LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	01 0	2.653	2.951	2.669	2.613	2.590	2.697	2.666	2.609	2.692	1.655
2	01 6	2.561	2.650	2.661	2.523	2.679	2.557	2.716	2.669	2.603	1.999
3	01 C	2.563	2.673	2.391	2.251	2.276	2.238	2.212	2.636	2.969	1.993
4	01 d	2.167	2.570	2.666	2.560	2.199	2.266	2.107	2.568	2.556	1.987
5	01 6	2.611	2.989	2.375	2.687	2.666	2.656	2.560	2.669	2.558	2.677
6	0130	2.750	2.663	2.766	2.770	2.706	2.669	2.917	2.607	2.976	2.152
7	11 0	2.382	2.650	2.670	2.616	2.576	2.555	2.669	2.998	3.067	2.666
8	1130	2.619	2.990	2.560	2.760	2.690	2.566	2.666	2.700	2.977	1.819
9	21 0	2.127	2.611	2.366	2.650	2.590	2.608	2.737	2.860	2.993	1.687
10	2130	2.319	2.329	2.178	2.627	2.512	2.668	2.599	2.931	3.210	2.299
11	31 0	2.692	2.666	2.696	2.911	2.675	2.915	2.776	2.955	3.051	2.230
12	3130	2.651	2.621	2.656	2.550	2.528	2.590	2.076	3.169	3.087	2.658
13	41 0	2.209	2.599	2.257	2.661	2.761	2.662	2.059	2.871	2.936	2.172
14	4130	2.819	2.676	2.752	2.566	2.970	2.618	2.707	3.086	3.365	3.306
15	51 0	2.691	2.935	2.599	2.315	2.906	2.525	2.629	2.676	3.300	2.661
16	5130	2.666	2.620	2.525	2.732	2.666	2.386	2.868	3.167	3.302	2.618
17	61 0	2.697	2.701	2.656	2.561	2.663	2.695	2.902	3.191	3.352	2.306
18	6130	2.767	2.770	2.696	2.618	2.920	2.956	2.690	2.660	2.967	2.666
19	71 0	2.790	2.636	2.191	2.563	2.666	2.575	2.707	2.797	2.659	2.590
20	7130	2.919	2.677	2.367	2.302	2.292	2.617	2.575	2.665	3.098	2.303
21	81 0	2.765	2.762	2.122	2.190	2.762	2.597	2.616	3.117	3.087	2.560
22	8130	2.597	2.509	2.351	2.602	2.657	2.591	2.655	3.056	3.197	2.501
23	91 0	2.679	2.906	2.396	2.690	2.300	2.556	2.900	3.326	3.051	2.276
24	9130	2.965	2.963	2.629	2.178	2.619	2.695	2.808	3.006	3.267	2.268
25	101 0	2.603	2.900	2.351	2.680	2.650	2.675	2.797	2.679	2.933	2.190
26	10130	2.650	2.690	2.595	2.577	2.690	2.515	2.789	2.970	2.953	2.650
27	111 0	2.666	2.550	2.561	2.632	2.592	2.606	2.551	2.660	3.051	2.556
28	11130	2.601	2.196	2.536	2.619	2.514	2.673	2.829	3.070	3.196	2.573
29	121 0	2.569	2.562	2.735	2.749	2.716	2.567	2.936	3.169	3.169	2.377
30	12130	2.665	2.563	2.277	2.692	2.592	2.696	2.667	3.216	3.206	2.277
31	131 0	2.719	2.695	2.935	2.199	2.617	2.675	2.780	3.051	3.187	2.771
32	13130	2.860	2.959	2.790	3.001	2.968	3.017	2.969	2.965	3.055	2.676
33	141 0	2.566	2.511	2.665	2.716	2.571	2.635	2.907	3.019	2.792	2.577
34	14130	2.769	2.767	2.596	2.569	2.670	2.690	2.675	3.075	3.117	2.651
35	151 0	2.567	2.691	2.656	2.711	2.620	2.610	2.690	2.669	3.117	2.510
36	15130	2.750	2.606	2.667	2.515	2.666	2.660	2.367	2.650	2.606	2.393
37	161 0	2.906	2.619	2.611	2.766	2.665	2.595	2.690	2.926	2.786	2.169
38	16130	2.671	2.667	2.351	2.510	2.517	2.176	2.687	2.700	3.166	2.367
39	171 0	2.656	2.362	2.286	2.210	2.613	2.601	3.010	3.266	3.227	2.169
40	17130	2.602	2.217	2.226	2.267	2.190	2.690	2.771	2.606	3.027	2.675
41	181 0	2.675	2.566	2.620	2.666	2.720	2.652	2.665	2.970	3.070	2.260
42	18130	2.110	2.550	2.590	2.560	2.650	2.580	2.595	2.716	2.661	2.167
43	191 0	2.109	2.618	2.665	2.630	2.662	2.669	2.570	2.771	2.561	2.035
44	19130	2.200	2.590	2.661	2.590	2.510	2.690	2.651	2.606	2.671	2.061
45	56144	2.637	2.660	2.315	2.420	2.567	2.651	2.760	2.751	2.686	2.160

TITLE = CASE 12 DATE 86/10/22 TIME 111241 0

CH. INDEX		260 V= 72	261 V= 75	262 V= 76	263 V=121	264 V=122	265 V=123	266 V=124
INITIAL		0.111	0.127	0.108	0.092	0.105	0.102	0.093
FINAL		0.140	0.115	0.122	0.103	0.126	0.116	0.112
LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	[illegible]	2.258		1.718	1.576	1.700	1.769	1.566
2	[illegible]	2.190		1.601	1.530	1.753	1.705	1.477
3	[illegible]	2.061		1.833	1.539	1.746	1.526	1.451
4	[illegible]	2.455		1.791	1.741	1.639	1.656	1.478
5	[illegible]	2.157		2.051	1.790	1.692	1.570	1.578
6	[illegible]	2.506		1.832	1.641	1.571	1.682	1.591
7	[illegible]	2.525		1.757	1.577	1.540	1.866	1.605
8	[illegible]	2.652		2.272	1.558	1.530	1.867	1.606
9	[illegible]	2.526		2.138	2.105	2.208	1.788	1.365
10	[illegible]	2.618		1.069	1.410	2.541	1.873	1.476
11	[illegible]	2.515		2.165	2.055	2.127	1.957	1.668
12	[illegible]	2.567		2.079	2.067	2.415	2.114	1.477
13	[illegible]	2.583		2.167	2.069	2.261	2.066	1.508
14	[illegible]	2.607		2.186	1.992	2.367	2.219	1.636
15	[illegible]	2.719		2.030	1.971	2.265	1.995	1.619
16	[illegible]	2.666		1.986	2.129	2.465	2.110	1.605
17	[illegible]	2.600		1.950	1.975	2.511	2.358	1.625
18	[illegible]	2.296		2.126	2.036	2.565	2.500	1.600
19	[illegible]	2.665		2.510	1.765	2.758	1.966	1.656
20	[illegible]	2.229		2.600	1.697	2.271	1.997	1.700
21	[illegible]	2.308		2.666	2.578	2.660	2.525	1.665
22	[illegible]	2.567		2.606	1.962	2.611	1.988	1.670
23	[illegible]	2.706		2.369	2.119	2.678	2.207	1.708
24	[illegible]	2.167		2.367	2.056	2.606	2.086	1.553
25	[illegible]	2.670		1.900	2.200	2.560	2.007	1.556
26	[illegible]	2.277		2.122	1.906	2.295	2.026	1.690
27	[illegible]	2.525		2.511	2.301	2.215	2.155	1.668
28	[illegible]	2.305		2.256	1.005	2.162	2.126	1.715
29	[illegible]	2.262		2.661	2.165	2.211	1.866	1.907
30	[illegible]	2.266		2.577	1.655	2.355	1.935	1.600
31	[illegible]	2.618		2.550	1.627	2.305	1.892	1.598
32	[illegible]	2.605		2.651	2.215	2.150	1.981	1.665
33	[illegible]	2.222		2.307	1.992	2.350	2.000	1.625
34	[illegible]	2.655		2.362	2.650	2.751	2.155	1.533
35	[illegible]	2.299		2.266	2.669	2.602	2.016	1.526
36	[illegible]	2.595		2.215	1.916	2.136	1.916	1.650
37	[illegible]	2.226		2.332	1.696	2.217	1.753	1.655
38	[illegible]	2.376		2.128	1.901	2.293	1.933	1.522
39	[illegible]	2.206		1.701	2.067	2.390	1.778	1.685
40	[illegible]	2.615		2.105	1.659	2.260	1.539	1.516
41	[illegible]	2.586		1.966	2.316	2.265	1.821	1.655
42	[illegible]	2.165		2.019	1.775	2.116	1.765	1.698
43	[illegible]	2.157		1.961	1.755	2.042	1.896	1.555
44	[illegible]	2.166		1.660	1.761	2.126	1.957	1.718
45	[illegible]	2.610		2.096	1.774	2.172	1.969	1.921

実験No.23　TITLE = CASE A　(B)　DATE 86/10/19　TIME 13150145

LOOP	TIME	101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		17.900	17.900	17.600	17.500	17.500	17.600	17.600	17.600	17.600	18.000
FINAL		19.600	20.500	18.700	18.200	17.730	17.800	17.600	17.600	17.900	20.100
		(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	-0.200	0.100	0.0	0.0	0.0	0.0	0.0	-0.300
3	01 0	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.100
4	01 0	0.0	-0.100	-0.100	0.0	0.0	0.0	0.0	0.0	-0.100	0.0
5	01 0	7.705	0.0	-0.100	0.100	0.0	0.0	0.0	0.0	0.0	0.0
6	0130	34.503	35.400	24.603	8.500	2.200	0.200	0.100	0.100	0.100	5.900
7	11 0	68.403	52.300	45.600	20.600	5.200	0.750	0.100	0.500	0.100	39.700
8	1130	88.800	80.900	54.500	31.200	6.100	1.200	0.500	0.500	0.400	47.700
9	21 0	108.000	85.400	59.700	37.533	6.600	1.500	0.600	0.600	0.500	53.800
10	2130	122.400	71.400	64.500	40.600	6.500	1.909	0.800	0.700	0.600	56.900
11	31 0	135.503	75.700	67.400	45.700	7.600	7.300	1.000	0.800	0.800	61.900
12	3130	143.600	82.400	74.600	55.300	17.600	3.600	1.200	1.000	0.800	68.300
13	41 0	158.205	87.300	76.200	58.100	22.630	5.800	1.400	1.100	0.900	72.000
14	4130	181.200	88.800	79.503	59.000	24.600	12.000	2.000	1.200	1.000	76.700
15	51 0	183.800	91.803	81.600	80.100	25.600	15.100	2.200	1.300	1.000	79.000
16	5130	188.200	95.400	85.200	84.500	26.200	18.000	2.500	1.400	1.100	80.400
17	61 0	175.200	97.800	85.603	86.500	29.550	20.800	2.900	1.500	1.200	83.200
18	6130	175.300	100.700	88.000	88.700	31.700	22.600	3.200	1.800	1.200	84.600
19	71 0	179.700	101.900	90.703	70.600	33.700	24.000	3.600	1.800	1.200	87.000
20	7130	182.800	102.200	90.800	69.800	34.600	24.500	3.800	2.000	1.300	88.300
21	81 0	187.500	104.200	93.200	71.700	34.600	25.200	4.600	2.200	1.300	90.500
22	8130	190.200	105.600	93.600	72.600	35.700	25.100	4.700	2.100	1.300	91.600
23	91 0	194.320	107.200	95.700	73.700	35.600	25.600	5.000	2.200	1.300	91.500
24	9130	196.900	108.700	95.550	72.600	36.700	25.500	5.100	2.300	1.400	95.000
25	101 0	201.800	110.600	97.300	77.200	37.200	26.000	5.500	2.500	1.400	96.700
26	10130	202.200	112.200	100.600	80.400	36.600	27.400	5.700	2.500	1.500	96.500
27	111 0	205.500	110.600	100.700	79.600	36.600	29.200	6.100	2.600	1.600	97.400
28	11130	208.200	116.800	101.260	78.600	36.600	29.500	6.800	4.750	1.700	98.500
29	121 0	237.900	116.300	102.200	81.500	46.500	30.900	7.600	5.100	1.800	99.500
30	12130	244.500	116.900	102.600	81.600	40.100	30.600	7.600	5.500	1.800	99.800
31	131 0	211.100	117.000	104.403	80.800	40.590	31.700	8.000	5.700	1.800	102.800
32	13130	212.600	118.600	105.600	88.600	40.630	32.600	8.300	5.700	1.800	102.500
33	141 0	214.100	118.800	109.600	78.603	40.500	30.600	8.300	5.700	1.800	104.100
34	14130	214.100	118.400	135.600	78.500	40.600	30.950	8.700	6.000	1.800	105.500
35	151 0	214.933	118.900	105.509	78.700	39.009	31.600	9.100	6.900	1.900	105.100
36	15130	215.600	118.800	109.000	82.100	42.500	31.800	9.600	9.300	1.900	102.700
37	161 0	210.100	113.200	102.500	79.630	41.800	31.300	9.900	9.400	2.000	101.100
38	16130	205.209	109.000	95.600	76.800	41.100	29.800	9.600	6.800	2.000	94.700
39	171 0	159.000	106.600	93.600	76.100	39.600	27.800	9.100	6.600	2.000	95.600
40	17130	190.700	98.990	87.100	69.630	38.600	27.000	8.900	6.500	1.900	88.700
41	181 0	160.300	92.030	78.600	62.800	37.600	25.000	9.500	6.200	1.800	83.600
42	18130	188.700	86.600	73.608	56.200	35.700	22.600	7.600	6.000	1.700	77.600
43	191 0	156.790	76.900	66.600	53.600	33.200	20.500	7.100	6.100	1.400	70.900
44	19130	142.700	67.200	57.800	47.500	30.233	18.100	6.000	6.000	1.700	63.500
45	74121	1.900	2.400	0.880	0.700	0.200	0.200	0.0	0.0	-0.100	2.100

TITLE = CASE A　DATE 86/10/19　TIME 13150145

LOOP	TIME	111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		17.800	17.900	17.600	17.600	17.600	17.500	17.800	17.800	17.700	17.600
FINAL		18.900	18.200	17.800	17.790	17.700	17.700	17.600	20.100	18.600	17.900
		(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.100	0.100	0.0	0.0	0.0	0.0	0.0	0.0
3	01 0	0.0	-0.100	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.0
4	01 0	-0.100	-0.100	0.0	0.100	0.0	0.0	0.0	0.0	0.0	-0.100
5	01 0	0.0	-0.100	0.100	0.100	0.0	0.0	0.0	0.0	0.0	0.0
6	0130	4.600	1.900	6.600	0.100	0.100	0.0	0.0	0.0	0.0	0.0
7	11 0	25.900	11.100	6.200	2.600	0.400	0.100	0.100	9.700	5.600	1.600
8	1130	37.200	20.800	8.500	1.400	0.400	0.100	0.200	21.400	15.300	5.400
9	21 0	42.900	25.900	11.300	1.700	0.803	0.200	0.300	29.900	22.600	9.900
10	2130	40.100	29.900	11.200	1.700	1.100	0.300	0.400	35.600	27.900	15.600
11	31 0	55.100	51.000	15.100	1.900	1.100	0.900	0.500	50.600	32.700	16.400
12	3130	56.600	51.600	19.600	1.900	1.100	0.900	0.600	44.300	37.900	19.900
13	41 0	61.500	44.200	24.500	2.500	1.500	0.600	0.700	49.000	42.600	23.900
14	4130	62.600	47.600	34.403	3.900	2.500	0.800	0.800	55.200	46.700	28.400
15	51 0	65.100	45.100	37.200	5.600	3.600	0.900	0.900	56.000	49.600	32.900
16	5130	66.700	51.100	39.800	11.100	4.200	1.000	1.000	59.000	53.100	34.200
17	61 0	66.702	56.900	42.100	14.700	4.700	1.100	1.100	61.500	56.700	39.600
18	6130	71.600	55.900	45.900	18.000	4.700	1.200	1.100	63.200	58.600	42.000
19	71 0	72.700	57.900	46.600	15.100	5.500	1.300	1.200	65.000	60.500	44.100
20	7130	75.100	58.700	46.100	18.200	5.600	1.400	1.300	66.600	67.400	46.100
21	81 0	75.300	58.306	49.600	19.500	5.630	1.900	1.300	67.000	65.800	47.000
22	8130	76.600	60.100	46.200	22.003	6.100	1.700	1.600	69.500	65.400	49.400
23	91 0	78.200	60.600	47.700	22.600	6.700	1.800	1.600	70.600	67.100	50.900
24	9130	79.600	62.700	49.600	22.700	7.200	1.900	1.600	71.200	68.100	52.200
25	101 0	82.630	63.600	50.600	24.500	7.500	2.000	1.500	75.500	69.500	53.300
26	10130	82.803	64.600	50.600	26.500	7.600	2.009	1.500	76.200	70.900	54.900
27	111 0	83.000	65.200	51.600	27.700	7.600	2.000	1.600	76.900	71.100	55.700
28	11130	86.600	66.100	52.100	29.600	7.800	2.200	1.700	76.900	71.600	56.600
29	121 0	86.100	66.900	54.200	30.100	8.600	2.500	1.800	78.300	72.900	57.500
30	12130	86.600	66.900	55.300	29.400	9.100	2.800	1.800	78.700	73.200	58.100
31	131 0	87.100	66.400	56.300	28.600	9.600	2.900	1.900	77.500	73.700	58.500
32	13130	88.900	66.900	53.800	29.500	9.600	2.900	1.900	78.300	74.200	59.100
33	141 0	87.800	67.100	56.600	28.509	10.600	2.800	1.900	78.100	75.000	59.400
34	14130	88.100	67.700	53.900	28.300	10.800	2.900	2.000	80.000	75.200	60.000
35	151 0	88.700	67.800	53.190	28.430	11.200	2.900	2.000	80.000	76.000	60.300
36	15130	88.100	67.400	52.400	20.600	11.600	3.700	2.100	80.200	76.100	60.500
37	161 0	88.500	67.600	52.700	28.903	12.000	3.900	2.100	79.600	76.100	60.700
38	16130	86.620	65.100	50.800	28.600	11.700	3.600	2.200	78.300	76.700	60.200
39	171 0	82.200	62.200	50.300	18.600	11.500	3.600	2.200	78.100	72.600	59.400
40	17130	78.600	59.900	48.600	17.900	11.400	3.700	2.100	73.700	70.100	58.300
41	181 0	73.900	56.100	44.200	15.790	10.900	3.100	2.100	70.300	67.200	56.700
42	18130	68.900	51.600	43.600	14.100	9.900	2.700	1.900	66.600	65.500	55.700
43	191 0	66.820	47.000	40.500	13.200	10.600	2.900	2.800	62.300	59.000	51.700
44	19130	57.700	45.200	35.100	11.700	9.500	2.900	2.600	58.600	55.700	48.700
45	74121	1.100	0.900	0.200	0.100	0.100	-0.100	-0.200	2.300	0.900	0.300

TITLE = CASE A　DATE 86/10/19　TIME 13150145

LOOP	TIME	121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 38	126 T= 41	127 T= 42	128 T= 43	129 T= 44	130 T= 51
INITIAL		17.700	17.700	17.600	17.600	17.600	17.600	17.600	17.600	17.600	17.700
FINAL		17.900	17.800	17.600	17.500	17.600	20.400	18.100	17.700	17.600	20.100
		(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	-0.100	-0.100	0.0	0.0	-0.100	0.100	0.200	-0.100	0.0	0.0
3	01 0	-0.100	-0.100	0.0	0.0	-0.100	0.100	0.0	0.0	0.0	0.0
4	01 0	-0.100	-0.100	0.0	0.0	-0.100	0.100	0.0	0.0	0.0	-0.100
5	01 0	-0.100	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0130	-0.100	-0.100	0.0	0.0	0.0	0.0	0.100	0.0	0.0	-0.100
7	11 0	0.500	0.0	0.100	0.0	0.0	0.0	0.200	0.0	0.100	0.0
8	1130	1.500	0.300	0.100	0.100	0.100	20.700	6.800	0.0	0.100	1.000
9	21 0	2.300	0.700	0.200	0.100	0.200	29.100	14.400	0.200	0.100	10.400
10	2130	3.230	1.030	0.300	0.200	0.200	32.800	19.100	0.400	0.200	16.800
11	31 0	4.100	1.200	0.400	0.400	0.300	35.500	22.600	1.000	0.300	19.700
12	3130	5.100	1.600	0.400	0.400	0.600	37.800	26.600	1.200	0.300	22.600
13	41 0	7.270	1.900	0.500	0.500	0.400	42.600	28.000	1.400	0.300	25.900
14	4130	10.100	2.700	0.600	0.600	0.600	45.900	31.800	1.700	0.400	29.400
15	51 0	13.200	3.600	0.400	1.700	0.900	48.900	35.100	2.200	0.400	33.800
16	5130	16.100	4.900	1.100	0.800	0.500	50.900	37.000	2.500	0.400	35.400
17	61 0	19.600	6.000	1.500	0.900	0.500	51.400	39.600	3.700	0.500	38.300
18	6130	22.200	7.500	1.500	1.000	0.603	54.100	41.500	3.700	0.500	40.400
19	71 0	24.100	8.700	1.600	1.000	0.600	56.100	42.600	4.600	0.400	41.900
20	7130	26.500	9.500	1.700	1.100	0.600	58.800	44.900	5.800	0.400	43.100
21	81 0	29.100	10.800	1.800	1.100	0.670	58.100	45.100	5.900	0.400	44.600
22	8130	29.700	11.700	2.000	1.200	0.730	59.500	46.000	5.900	0.700	45.900
23	91 0	30.900	12.600	2.100	1.300	0.700	60.500	46.900	6.200	0.700	46.600
24	9130	32.200	13.220	2.500	1.400	0.790	61.900	47.600	6.600	0.700	47.800
25	101 0	33.500	13.700	2.900	1.600	0.800	62.900	49.100	7.800	0.800	48.900
26	10130	34.900	14.800	3.200	1.500	0.800	66.200	50.100	8.200	0.800	50.000
27	111 0	36.900	14.820	3.600	1.600	0.900	66.900	51.000	7.700	0.800	50.500
28	11130	37.000	15.600	3.900	1.700	1.000	64.900	51.100	8.300	1.000	51.000
29	121 0	37.700	16.300	4.600	3.303	1.000	65.900	51.700	9.600	1.000	51.600
30	12130	38.603	17.700	4.100	2.600	1.000	65.100	52.200	10.200	1.100	51.900
31	131 0	38.900	17.900	4.700	2.000	1.000	66.700	52.700	10.600	1.200	52.200
32	13130	39.300	18.500	4.600	2.703	1.000	67.000	52.700	11.000	1.300	53.200
33	141 0	39.600	19.900	5.000	2.306	1.000	67.900	53.600	11.600	1.400	53.600
34	14130	39.900	19.500	5.900	2.600	1.100	68.000	54.000	12.000	1.500	54.300
35	151 0	40.100	19.800	5.000	2.600	1.700	68.900	55.900	12.000	1.700	54.000
36	15130	40.500	20.100	4.300	2.930	1.700	69.000	55.700	11.800	1.800	55.100
37	161 0	40.400	20.200	4.600	3.000	1.200	68.500	56.400	11.900	1.900	55.400
38	16130	40.600	20.200	4.400	3.600	1.200	67.400	53.900	11.600	2.000	55.200
39	171 0	40.600	19.600	4.300	3.100	1.230	66.200	51.600	10.600	1.800	54.200
40	17130	39.900	18.830	4.800	3.000	1.230	62.800	50.050	10.100	1.900	53.900
41	181 0	34.300	18.000	4.600	2.900	1.100	59.500	48.800	9.700	1.800	51.400
42	18130	34.200	17.200	4.500	2.900	1.150	56.500	45.900	9.500	1.900	49.100
43	191 0	37.100	16.590	4.100	2.800	1.200	52.000	47.700	8.800	1.900	46.400
44	19130	35.500	15.800	3.900	2.400	1.200	49.100	39.800	7.900	1.900	44.200
45	74121	0.200	0.100	0.0	-0.103	-0.200	2.600	0.700	-0.100	0.0	2.400

TITLE = CASE A　DATE 86/10/19　TIME 13150145

LOOP	TIME	131 T= 52	132 T= 53	133 T= 54	134 T= 55	135 T= 61	136 T= 62	137 T= 63	138 T= 64	139 T= 71	140 T= 72
INITIAL		17.700	17.600	17.600	17.600	17.500	17.600	17.600	17.600	17.500	17.600
FINAL		19.600	17.600	17.700	17.600	19.800	18.100	17.600	17.600	19.600	18.600
		(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	0.100	0.0
3	01 0	0.0	0.0	0.0	0.100	0.100	0.0	0.0	-0.100	0.100	0.0
4	01 0	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.100
5	01 0	0.0	0.100	0.0	0.0	0.100	0.0	0.0	0.0	0.100	0.100
6	0130	0.0	0.100	0.0	0.0	0.130	0.0	0.0	0.0	0.100	0.100
7	11 0	0.0	0.100	0.100	0.100	0.100	0.0	0.100	0.0	0.200	0.100
8	1130	0.700	0.100	0.100	0.100	0.100	0.0	0.100	0.0	0.200	0.100
9	21 0	0.300	1.400	0.100	0.100	6.500	1.700	0.100	0.0	0.200	0.100
10	2130	4.600	3.930	0.100	0.100	14.600	3.600	0.100	0.0	1.600	0.600
11	31 0	12.200	5.200	0.500	0.100	17.200	6.500	0.400	0.100	0.600	4.500
12	3130	16.600	7.200	0.500	0.100	19.000	9.200	0.600	0.100	12.500	8.200
13	41 0	17.700	8.600	0.500	0.123	20.603	11.000	0.800	0.0	16.500	10.200
14	4130	20.700	11.900	0.600	0.200	24.000	12.900	0.800	0.100	16.100	11.900
15	51 0	23.900	15.100	0.903	0.200	27.100	15.600	1.200	0.100	19.000	14.000
16	5130	26.600	19.600	0.700	0.200	30.100	18.500	1.500	0.100	22.100	17.700
17	61 0	28.600	21.700	0.700	0.100	31.600	20.500	1.900	0.100	24.100	20.000
18	6130	31.600	24.300	0.900	0.200	34.000	22.500	2.600	0.100	25.800	22.600
19	71 0	33.503	27.100	1.000	0.200	36.600	23.900	3.200	0.200	27.000	24.500
20	7130	35.000	28.600	1.200	0.200	38.100	25.100	4.600	0.200	28.100	25.700
21	81 0	36.600	29.600	1.300	0.200	37.060	26.000	5.600	0.200	28.700	26.900
22	8130	37.900	30.100	1.500	0.200	37.600	26.920	5.900	0.300	29.900	27.600
23	91 0	38.900	30.900	1.600	0.200	38.600	27.500	6.200	0.200	30.600	28.500
24	9130	39.900	31.900	1.800	0.200	40.200	28.800	6.500	0.300	32.800	29.600
25	101 0	40.903	32.603	1.900	0.200	41.000	29.800	6.700	0.300	32.600	30.600
26	10130	42.200	34.100	2.200	0.300	42.600	30.300	7.300	0.300	33.900	31.100
27	111 0	43.600	33.900	2.600	0.300	42.500	31.100	8.600	0.300	34.500	32.300
28	11130	43.900	34.700	2.600	0.400	42.700	31.500	8.600	0.500	34.600	32.900
29	121 0	44.500	34.700	3.000	0.303	43.000	31.800	9.300	0.500	34.700	32.800
30	12130	45.350	34.600	3.200	0.400	43.600	32.200	9.800	0.600	35.400	33.100
31	131 0	45.600	35.000	3.600	0.400	44.400	32.400	10.500	0.600	35.400	33.500
32	13130	45.900	35.300	4.900	0.400	44.500	32.600	10.600	1.000	35.700	33.500
33	141 0	46.000	35.800	4.100	0.400	44.900	33.000	11.100	1.300	36.200	34.200
34	14130	46.500	35.700	4.500	0.400	45.200	33.100	11.500	1.600	36.300	34.700
35	151 0	46.900	35.900	4.800	0.400	45.900	33.800	10.500	1.900	36.900	34.700
36	15130	47.100	35.700	4.800	0.400	46.600	33.800	10.500	1.500	37.000	35.300
37	161 0	47.500	36.400	4.800	0.500	46.700	34.300	10.200	1.600	37.000	35.800
38	16130	47.700	36.600	5.000	0.500	45.800	34.500	9.900	1.500	38.000	35.800
39	171 0	47.000	36.100	4.900	0.600	45.500	34.500	9.700	1.600	37.200	35.400
40	17130	46.200	32.500	4.900	2.500	43.700	33.600	9.300	1.500	36.400	34.700
41	181 0	45.600	30.600	5.000	0.500	47.043	32.600	9.100	2.000	35.100	35.500
42	18130	41.700	28.300	4.700	0.600	40.500	35.700	9.500	1.800	33.900	32.500
43	191 0	41.900	26.500	4.600	0.700	40.600	29.300	7.600	1.600	31.900	30.600
44	19130	40.100	20.100	4.100	0.600	36.930	27.800	7.000	1.900	30.900	29.300
45	74121	1.100	0.200	0.100	0.0	2.300	0.500	0.700	0.0	2.100	1.200

TITLE = CASE 6 DATE 86/10/19 TIME 13150145

CH. INDEX		141 T= 73	142 T= 74	143 T= 75	144 T= 81	145 T= 82	146 T= 83	147 T= 84	148 T= 91	149 T= 92	150 T= 93
INITIAL		17.300	17.500	17.400	17.400	17.400	17.400	17.400	17.100	17.200	17.200
FINAL		17.900	17.800	17.700	19.300	18.200	17.800	17.800	19.000	18.400	17.800
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.200	0.0	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.0
3	01 0	0.200	0.0	0.0	0.100	0.0	0.0	0.0	0.100	0.100	0.0
4	01 0	0.200	0.0	0.100	0.100	0.100	0.0	0.0	0.100	0.100	0.0
5	01 0	0.200	0.0	0.100	0.100	0.100	0.0	0.0	0.100	0.100	0.0
6	0130	0.100	0.0	0.100	0.100	0.100	0.100	0.0	0.100	0.100	0.100
7	11 0	0.200	0.0	0.100	0.100	0.100	0.100	0.100	0.100	0.200	0.100
8	1130	0.400	0.0	0.100	0.100	0.100	0.0	0.100	0.100	0.200	0.100
9	21 0	0.300	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.200	0.100
10	2130	0.200	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.200	0.100
11	31 0	0.400	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.200	0.100
12	3130	0.900	0.100	0.100	0.700	2.400	0.100	0.100	0.100	0.200	0.100
13	41 0	1.730	0.100	0.100	9.000	1.000	0.200	0.100	1.900	2.000	0.0
14	4130	3.100	0.100	0.100	10.400	4.400	0.300	0.100	3.900	4.200	0.300
15	51 0	4.900	0.200	0.100	17.900	5.900	0.400	0.100	5.200	6.100	0.800
16	5130	6.000	0.200	0.100	16.900	7.000	0.900	0.200	6.000	7.500	1.000
17	61 0	9.400	0.200	0.200	17.900	9.900	1.400	0.200	8.700	9.100	3.400
18	6130	11.030	0.300	0.200	18.900	11.700	1.800	0.200	10.700	11.400	4.700
19	71 0	12.700	0.500	0.200	20.400	13.900	2.900	0.300	17.100	13.100	6.000
20	7130	14.400	0.700	0.200	21.200	14.900	3.500	0.300	19.400	14.800	7.700
21	81 0	15.400	0.900	0.200	22.100	14.000	4.200	0.400	14.400	16.000	8.500
22	8130	16.400	1.000	0.200	22.700	16.900	4.800	0.500	15.300	16.900	9.400
23	91 0	17.400	1.300	0.300	23.800	17.800	5.500	0.600	16.300	17.900	10.400
24	9130	18.400	1.400	0.300	24.700	18.700	6.300	0.700	17.100	18.800	11.700
25	101 0	19.900	1.700	0.400	25.300	19.700	7.100	0.800	18.100	19.800	12.800
26	10130	19.800	1.900	0.400	26.400	20.400	7.500	0.900	18.900	20.800	13.700
27	111 0	20.400	2.200	0.400	27.300	20.900	8.000	1.000	19.500	21.200	14.100
28	11130	20.400	2.500	0.400	27.900	21.100	8.400	1.100	20.200	21.500	14.400
29	121 0	20.900	2.700	0.400	27.100	21.330	8.900	1.300	20.400	21.800	14.300
30	12130	21.200	3.230	0.500	27.700	21.700	9.200	1.500	20.400	21.900	14.800
31	131 0	21.700	3.700	0.500	27.400	21.400	9.300	1.700	20.700	22.200	14.600
32	13130	21.405	4.300	0.900	29.000	22.200	9.500	1.800	20.900	22.700	14.400
33	141 0	22.300	4.700	0.700	29.300	22.500	9.900	2.200	21.300	22.500	14.700
34	14130	22.200	5.000	0.700	29.600	22.900	10.000	2.100	21.400	23.200	15.000
35	151 0	21.400	4.900	0.700	29.400	23.100	10.100	2.200	22.000	23.400	15.100
36	15130	21.700	5.400	0.700	29.700	24.030	10.060	2.400	22.400	24.000	15.400
37	161 0	22.100	4.900	0.400	30.400	24.030	10.200	2.400	23.000	24.400	15.800
38	16130	22.260	5.000	0.500	30.700	24.100	10.000	2.400	23.200	24.400	16.100
39	171 0	22.400	4.900	0.500	30.000	24.400	10.000	2.400	23.100	24.500	16.000
40	17130	21.700	5.100	0.700	29.700	23.400	9.900	2.400	23.100	24.000	15.400
41	181 0	19.000	4.900	0.800	28.100	22.700	9.500	2.700	22.400	23.500	14.100
42	18130	16.400	4.500	0.800	27.400	21.700	9.000	2.400	21.900	22.300	13.200
43	191 0	15.100	4.000	0.700	26.300	20.900	8.400	2.500	21.400	21.400	12.400
44	19130	13.700	3.700	0.400	26.060	19.400	7.900	1.800	20.700	20.700	11.700
45	20121	3.400	0.500	0.300	1.900	0.800	0.400	0.400	1.700	1.400	0.800

TITLE = CASE 6 DATE 86/10/19 TIME 13150145

CH. INDEX		161 T=115	162 T=121	163 T=122	164 T=123	165 T=124	166 T=131	167 T=132	168 T=133	169 T=134	170 T=135
INITIAL		17.000	17.100	17.000	16.300	16.800	17.100	17.000	16.800	16.400	16.500
FINAL		17.900	18.200	18.000	17.400	17.400	18.200	18.100	17.900	17.800	17.000
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.100
3	01 0	0.100	0.0	0.0	0.100	0.0	0.0	0.0	0.100	0.100	0.100
4	01 0	0.100	0.0	0.0	0.100	0.0	0.0	0.0	0.100	0.200	0.200
5	01 0	0.100	0.0	0.100	0.100	0.0	0.0	0.100	0.100	0.200	0.200
6	0130	0.100	0.0	0.0	0.100	0.0	0.0	0.100	0.200	0.300	0.300
7	11 0	0.200	0.100	0.100	0.200	0.100	0.0	0.100	0.100	0.300	0.300
8	1130	0.200	0.0	0.100	0.100	0.100	0.0	0.100	0.100	0.200	0.300
9	21 0	0.200	0.100	0.100	0.200	0.100	0.0	0.100	0.100	0.300	0.100
10	2130	0.200	0.100	0.100	0.200	0.100	0.0	0.100	0.100	0.200	0.100
11	31 0	0.200	0.100	0.200	0.200	0.200	0.0	0.100	0.100	0.200	0.100
12	3130	0.200	0.100	0.200	0.200	0.100	0.0	0.0	0.0	0.100	0.100
13	41 0	0.190	0.100	0.200	0.200	0.200	-0.100	-0.100	0.0	0.100	0.200
14	4130	0.303	0.100	0.100	0.200	0.100	-0.200	-0.100	0.0	0.100	0.200
15	51 0	0.300	0.100	0.200	0.200	0.200	0.0	-0.100	0.0	0.200	0.100
16	5130	0.100	0.100	0.100	0.200	0.200	-0.100	-0.100	0.0	0.100	0.200
17	61 0	0.103	0.100	0.200	0.200	0.200	-0.100	-0.100	0.0	0.100	0.200
18	6130	0.300	0.100	0.100	0.200	0.200	-0.200	-0.100	0.0	0.100	0.200
19	71 0	0.300	0.100	0.100	0.200	0.230	-0.100	-0.100	0.0	0.100	0.200
20	7130	0.100	0.100	0.100	0.203	0.220	-0.100	-0.100	-0.100	0.0	0.100
21	81 0	0.300	0.100	0.100	0.200	0.200	-0.100	-0.200	-0.100	0.100	0.200
22	8130	0.900	0.100	0.100	0.200	0.200	-0.100	-0.200	-0.100	0.0	0.200
23	91 0	0.303	0.700	0.100	0.207	0.200	-0.100	-0.200	-0.100	0.0	0.200
24	9130	0.303	2.100	2.000	0.403	0.300	-0.200	-0.200	-0.100	0.0	0.200
25	101 0	0.400	3.300	3.400	1.400	0.400	-0.400	-0.100	-0.200	-0.100	0.100
26	10130	0.400	4.100	4.900	2.403	0.300	-0.100	-0.400	-0.100	-0.100	0.0
27	111 0	0.500	4.800	5.400	3.200	0.700	1.700	0.400	-0.100	-0.100	0.100
28	11130	0.400	5.300	6.400	3.700	1.000	2.900	2.500	1.200	0.200	0.100
29	121 0	0.400	5.700	6.400	4.300	1.100	3.400	3.500	1.500	0.200	0.0
30	12130	0.400	6.230	7.200	4.500	1.400	4.060	3.700	2.700	0.500	0.200
31	131 0	0.700	6.300	7.103	4.400	1.500	4.200	4.000	2.000	1.100	0.300
32	13130	0.700	6.300	7.200	5.000	1.400	4.300	4.100	2.000	0.700	0.100
33	141 0	0.703	6.500	7.200	5.100	1.400	4.400	4.250	3.100	1.200	0.0
34	14130	0.830	6.700	7.500	5.200	1.400	4.400	4.400	3.400	0.700	-0.100
35	151 0	0.700	6.800	7.400	5.400	1.700	4.600	4.500	3.400	1.200	0.100
36	15130	0.700	7.100	7.800	5.000	1.800	4.800	4.600	3.800	1.200	0.100
37	161 0	1.000	7.400	8.020	4.200	2.700	4.730	4.800	3.900	1.100	0.300
38	16130	1.300	7.400	8.200	4.500	2.503	4.730	5.000	4.100	1.000	0.200
39	171 0	1.903	7.500	4.200	4.400	2.500	4.800	5.000	3.900	1.500	0.200
40	17130	1.100	7.400	4.300	4.400	2.700	4.800	4.700	3.400	1.100	0.200
41	181 0	1.100	7.500	7.400	5.400	1.900	4.700	4.400	2.400	0.400	0.0
42	18130	0.730	7.400	7.400	5.100	1.100	4.400	4.200	1.100	-0.500	-0.500
43	191 0	0.100	7.700	7.400	4.300	0.900	4.900	4.000	1.100	-0.400	-0.400
44	19130	0.0	7.003	7.900	7.300	0.200	4.300	3.700	1.000	-0.400	-0.900
45	20121	0.900	1.100	1.000	1.200	1.000	1.100	1.100	1.100	1.200	1.300

TITLE = CASE 6 DATE 86/10/19 TIME 13150145

CH. INDEX		151 T= 94	152 T= 95	153 T=101	154 T=102	155 T=103	156 T=104	157 T=111	158 T=112	159 T=113	160 T=114
INITIAL		17.400	17.300	17.300	17.100	17.100	17.260	17.200	17.100	17.000	16.900
FINAL		17.800	17.900	18.700	18.100	17.800	17.900	19.500	18.200	17.800	17.800
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	01 0	0.100	0.100	0.0	0.100	0.0	0.0	0.100	0.0	0.0	0.100
5	01 0	0.100	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.0	0.100
6	0130	0.100	0.100	0.0	0.100	0.100	0.100	0.100	0.100	0.0	0.100
7	11 0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
8	1130	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
9	21 0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.200
10	2130	0.100	0.100	0.100	0.200	0.100	0.100	0.100	0.100	0.100	0.200
11	31 0	0.100	0.100	0.100	0.203	0.100	0.100	0.100	0.100	0.100	0.200
12	3130	0.100	0.100	0.100	0.100	0.100	0.200	0.100	0.100	0.100	0.200
13	41 0	0.100	0.100	0.100	0.100	0.100	0.200	0.100	0.100	0.100	0.200
14	4130	0.100	0.100	0.100	0.100	0.100	0.200	0.100	0.100	0.100	0.200
15	51 0	0.100	0.200	2.103	0.700	0.100	0.200	0.0	0.100	0.100	0.200
16	5130	0.100	0.203	4.400	2.000	0.100	0.100	0.0	0.100	0.100	0.200
17	61 0	0.200	0.203	6.460	3.500	3.600	0.200	0.0	0.100	0.100	0.200
18	6130	0.530	0.200	8.000	5.000	5.000	0.100	0.800	0.200	0.100	0.200
19	71 0	0.900	0.200	10.000	6.200	1.200	0.200	5.300	1.100	0.800	0.200
20	7130	0.700	0.200	11.100	7.400	1.450	0.700	5.100	2.000	2.000	0.400
21	81 0	0.900	0.300	12.100	8.700	2.400	0.200	6.400	5.000	2.900	0.700
22	8130	1.230	0.300	13.000	9.200	2.700	0.300	7.900	4.200	4.000	1.200
23	91 0	1.500	0.300	14.000	10.700	3.500	0.400	9.100	5.900	4.800	1.800
24	9130	1.400	0.400	14.400	11.700	4.200	0.900	9.900	6.400	5.400	2.200
25	101 0	2.100	0.400	15.900	12.400	4.900	0.400	10.400	7.300	6.600	2.400
26	10130	2.500	0.400	16.200	13.400	5.700	0.700	11.300	8.200	7.300	2.900
27	111 0	2.400	0.400	16.700	14.103	6.400	0.300	11.800	8.800	7.900	3.400
28	11130	3.300	0.400	17.000	14.700	7.030	1.100	12.500	9.400	8.500	4.100
29	121 0	3.405	0.500	17.400	15.100	7.400	1.500	12.700	10.600	8.900	4.400
30	12130	4.200	0.400	17.500	15.500	7.400	1.400	12.400	10.900	9.100	4.400
31	131 0	4.700	0.100	17.300	15.400	8.100	1.900	12.700	10.400	9.500	5.100
32	13130	5.100	0.700	17.405	15.500	8.400	1.700	13.100	10.800	9.500	5.100
33	141 0	5.903	0.700	17.700	15.407	8.100	1.400	13.200	10.900	9.300	5.300
34	14130	5.700	0.400	18.100	15.700	8.900	1.800	13.200	11.100	9.400	5.500
35	151 0	5.400	0.400	18.200	15.300	8.400	2.000	13.750	11.400	9.700	5.400
36	15130	5.500	0.400	18.400	16.500	8.400	2.000	14.200	11.400	10.200	5.800
37	161 0	5.400	0.700	19.300	17.103	8.400	2.000	14.400	12.700	10.300	5.900
38	16130	5.400	0.700	19.400	17.400	9.040	2.300	14.900	12.500	10.700	6.400
39	171 0	5.900	0.900	19.700	17.400	9.200	2.400	14.900	12.400	10.900	6.400
40	17130	5.900	1.000	19.400	17.403	9.100	2.400	15.100	12.700	10.700	6.400
41	181 0	5.700	1.095	19.000	17.200	9.130	2.200	14.400	12.700	10.400	6.700
42	18130	5.300	0.800	18.100	16.400	8.700	2.100	14.100	12.500	9.700	5.500
43	191 0	4.900	0.400	17.400	16.100	7.450	1.400	13.700	12.400	9.200	4.900
44	19130	4.300	0.500	17.205	15.400	4.400	0.900	13.400	12.100	8.400	5.400
45	20121	0.500	0.400	1.400	1.000	0.730	0.700	1.300	1.100	0.400	0.900

TITLE = CASE 6 DATE 86/10/19 TIME 13150145

CH. INDEX		201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31	208 S= 32	209 S= 33	210 S= 34
INITIAL		0.173	0.155	0.150	0.140	0.175	0.147	0.161	0.162	0.161	0.160
FINAL		0.000	1.142	0.145	0.145	1.175	0.166	0.145	0.140	0.156	0.159
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0		100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0		99.832	99.820	100.012	99.940	99.908	100.019	99.904	99.975	99.806
3	01 0		99.776	99.512	99.535	99.945	99.802	99.907	100.050	99.760	99.911
4	01 0		99.618	99.185	99.098	99.866	99.838	99.866	99.815	99.750	99.864
5	01 0		99.942	100.086	100.050	99.985	100.012	100.037	100.086	99.988	99.956
6	0130		99.666	99.365	99.459	93.882	99.916	99.985	99.866	99.787	99.856
7	11 0		98.566	95.318	99.011	99.806	99.760	91.611	99.006	99.716	99.813
8	1130		88.566	77.890	100.217	100.085	100.078	89.877	88.566	100.096	99.860
9	21 0		89.271	88.757	99.929	109.131	100.176	77.036	89.755	100.776	100.006
10	2130		1.858	78.858	99.566	100.666	100.120	81.858	89.665	100.087	100.051
11	31 0		93.591	86.531	90.844	100.090	102.668	86.092	89.718	90.907	100.006
12	3130		99.499	87.410	91.211	102.036	100.188	85.937	88.882	96.127	100.019
13	41 0		96.950	93.349	81.790	99.772	102.120	88.878	99.866	78.075	99.940
14	4130		91.711	89.716	95.117	99.561	102.009	86.896	90.345	78.372	99.906
15	51 0		86.296	82.277	76.328	99.530	100.132	70.965	87.858	83.700	99.919
16	5130		89.472	81.292	80.276	90.050	100.072	80.878	78.176	89.966	99.975
17	61 0		91.923	87.550	91.382	99.956	100.090	85.201	88.588	87.883	99.057
18	6130		92.714	87.657	92.826	96.276	103.102	86.261	87.917	85.896	99.065
19	71 0		90.261	87.235	91.710	99.158	99.966	88.807	86.097	87.686	99.458
20	7130		89.584	86.850	91.770	92.252	99.959	85.130	87.165	88.691	99.295
21	81 0		88.870	81.439	80.196	91.897	99.686	82.105	86.070	88.486	99.458
22	8130		87.165	93.918	86.686	88.161	99.715	86.836	87.452	87.766	99.995
23	91 0		83.671	76.897	88.581	96.118	99.811	75.403	77.223	86.347	99.083
24	9130		86.807	77.453	88.613	84.867	99.767	77.565	76.876	85.170	98.877
25	101 0		86.358	81.192	86.186	86.917	99.547	75.197	80.079	81.188	97.778
26	10130		83.451	77.718	87.360	85.380	99.150	77.658	80.868	82.120	97.279
27	111 0		82.117	75.738	86.001	86.829	98.892	76.926	76.872	82.569	97.479
28	11130		81.758	74.462	87.970	85.776	97.864	75.173	78.259	87.509	96.801
29	121 0		78.858	78.500	76.337	85.018	97.877	77.856	77.800	80.471	96.870
30	12130		78.676	78.173	86.891	82.265	98.161	74.810	70.268	82.238	96.347
31	131 0		78.342	76.576	79.663	82.635	97.866	78.615	77.876	78.663	96.877
32	13130		77.954	74.269	85.867	81.892	97.595	75.566	77.812	81.131	95.215
33	141 0		76.260	76.653	85.855	81.145	95.650	76.575	79.066	79.012	91.868
34	14130		75.980	75.807	86.876	79.811	95.960	77.603	75.772	81.710	90.857
35	151 0		75.509	78.221	85.185	70.150	95.760	77.770	75.576	78.270	89.780
36	15130		74.751	74.855	86.867	76.611	93.967	72.057	74.168	78.888	89.150
37	161 0		75.718	78.547	86.315	76.700	92.228	77.050	75.210	80.075	89.025
38	16130		71.851	77.310	85.512	76.265	92.867	70.905	74.751	78.235	88.140
39	171 0		71.745	70.535	85.066	76.210	90.767	70.783	74.249	77.861	90.086
40	17130		70.342	75.881	81.758	76.661	89.965	70.166	77.605	78.776	89.377
41	181 0		69.100	75.761	81.082	75.066	91.985	75.215	73.026	76.797	88.779
42	18130		68.774	76.760	81.817	76.555	88.888	68.737	71.516	75.455	86.578
43	191 0		67.541	75.137	81.061	76.877	88.775	68.975	70.867	72.875	89.505
44	19130		67.161	70.758	79.756	76.896	88.037	67.456	68.770	72.351	87.767
45	20121		92.078	97.120	97.819	96.071	96.506	96.078	91.313	97.097	90.320

TITLE = CASE A DATE 86/10/19 TIME 13150145

CH. INDEX		211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 51	217 S= 52	218 S= 53	219 S= 54	220 S= 55
INITIAL		0.155	0.172	0.160	0.160	0.163	0.181	0.165	0.167	0.149	0.145
FINAL		0.154	0.167	0.153	0.165	0.162	0.165	0.157	0.166	0.149	0.145
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	100.000	99.910	99.866	99.982	99.856	100.000	99.996	100.000	100.047	99.881
3	01 0	99.868	100.023	99.881	99.996	99.871	99.978	100.000	99.994	99.769	99.798
4	01 0	99.723	100.000	99.987	99.984	99.890	99.965	99.982	99.988	99.916	99.491
5	01 0	100.124	99.978	99.981	99.989	100.017	100.046	99.970	99.994	100.087	100.086
6	0130	99.761	99.888	99.979	99.987	99.867	99.956	99.976	99.988	99.718	99.456
7	11 0	99.788	99.956	99.988	99.978	99.829	99.919	99.982	99.987	99.556	99.323
8	1130	100.888	88.582	89.918	99.882	100.308	96.629	96.662	99.994	100.531	100.612
9	21 0	100.575	70.938	89.818	99.992	100.857	78.981	98.199	99.879	100.780	100.851
10	2130	100.303	72.540	71.888	99.916	100.316	76.796	81.159	99.432	100.585	100.756
11	31 0	100.307	75.914	76.103	99.730	100.221	76.736	76.188	99.846	100.356	100.688
12	3130	100.676	79.109	80.055	99.881	100.495	78.809	76.079	99.199	100.961	101.080
13	41 0	100.605	82.711	81.260	99.103	100.316	82.865	79.258	98.757	100.857	100.774
14	4130	100.290	86.772	85.855	99.099	100.277	83.971	79.908	96.292	100.617	100.509
15	51 0	100.392	76.068	88.996	98.828	100.319	87.929	79.853	79.679	100.585	100.767
16	5130	100.992	72.626	69.517	99.352	100.391	70.638	80.658	86.066	100.612	100.760
17	61 0	100.295	77.662	81.331	97.831	100.258	81.125	78.552	86.917	100.652	100.879
18	6130	100.605	80.517	81.715	97.935	100.391	82.668	74.562	80.539	100.722	101.130
19	71 0	100.196	81.022	85.863	96.716	100.855	85.676	81.786	78.216	99.726	100.391
20	7130	100.130	80.268	86.859	95.301	100.018	83.988	84.790	86.215	99.521	100.307
21	81 0	100.034	79.921	86.088	91.895	99.766	85.580	89.318	86.566	98.886	99.972
22	8130	98.730	70.662	87.198	81.689	99.622	85.857	86.571	85.076	98.586	99.526
23	91 0	99.982	72.999	88.867	88.187	99.378	83.597	85.317	85.219	97.196	99.560
24	9130	94.981	88.926	88.981	85.062	99.828	80.667	81.118	86.610	97.979	100.126
25	101 0	96.888	73.908	88.867	71.298	99.978	77.680	88.193	82.195	95.381	100.096
26	10130	89.309	75.423	81.753	78.221	98.801	81.088	76.811	86.685	95.367	99.960
27	111 0	88.385	75.206	82.756	76.980	96.727	81.961	79.065	80.892	93.868	98.777
28	11130	95.167	72.882	81.327	77.918	97.609	80.596	77.989	81.569	91.661	98.995
29	121 0	90.913	71.957	82.993	71.650	97.718	81.066	79.301	81.890	88.630	98.976
30	12130	98.869	69.811	79.711	72.979	97.642	79.570	78.116	81.088	87.770	98.221
31	131 0	90.959	72.401	70.157	72.980	96.880	79.779	79.256	79.065	85.006	97.916
32	13130	90.167	72.720	79.580	71.619	95.268	80.366	77.825	80.013	83.137	98.263
33	141 0	90.160	76.676	77.987	70.769	95.611	81.336	81.772	81.880	83.889	96.965
34	14130	97.117	76.161	85.262	79.601	92.515	82.601	79.665	79.921	78.563	95.507
35	151 0	96.174	76.695	80.757	85.675	92.659	81.765	80.539	79.575	76.292	94.898
36	15130	85.956	75.791	81.166	80.065	91.224	81.163	80.369	77.687	78.928	94.216
37	161 0	96.725	75.169	82.085	88.227	91.865	81.887	82.203	77.945	78.041	91.547
38	16130	96.712	72.761	80.195	89.321	87.619	89.968	79.313	78.561	78.727	94.048
39	171 0	96.088	71.130	78.752	89.303	90.891	80.669	80.187	79.686	78.370	94.446
40	17130	92.957	71.299	76.956	78.885	88.978	79.187	78.918	79.758	79.426	91.851
41	181 0	93.780	89.767	77.190	80.857	88.978	79.250	80.869	76.692	75.956	87.958
42	18130	92.992	89.271	77.176	88.676	87.662	74.252	87.768	78.172	78.528	95.862
43	191 0	98.707	89.106	76.265	89.020	85.298	77.596	79.665	89.817	77.669	87.735
44	19130	90.067	86.505	75.096	89.700	86.727	77.789	80.660	89.081	80.902	89.507
45	24121	100.088	89.816	99.880	88.966	99.808	91.161	99.264	99.075	100.187	100.063

TITLE = CASE 6 DATE 86/10/19 TIME 13150145

CH. INDEX		221 S= 61	222 S= 62	223 S= 63	224 S= 71	225 S= 72	226 S= 81	227 S= 82	228 S= 83	229 S= 91	230 S= 92
INITIAL		0.168	0.146	0.170	0.167	0.175	0.167	0.175	0.167	0.166	0.166
FINAL		0.155	0.166	0.169	0.159	0.172	0.160	0.173	0.166	0.159	0.165
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	100.024	100.026	100.020	99.976	100.000	99.994	99.960	99.988	99.994	100.000
3	01 0	100.012	99.994	99.959	99.994	99.989	99.988	99.985	99.994	99.976	99.982
4	01 0	100.000	99.988	99.953	99.988	99.959	99.982	99.984	99.970	99.963	99.970
5	01 0	100.012	99.988	99.955	99.988	99.985	100.006	100.000	99.976	99.969	99.982
6	0130	99.980	99.988	99.976	99.970	99.988	99.988	99.994	99.970	99.927	99.970
7	11 0	99.982	99.973	97.965	99.970	99.910	99.982	99.994	99.964	99.950	99.964
8	1130	100.512	100.000	99.967	99.994	99.994	99.994	100.006	99.994	99.951	99.988
9	21 0	98.632	97.898	99.615	100.360	100.025	100.006	100.020	100.000	99.963	100.000
10	2130	91.618	98.711	99.929	91.507	99.977	100.000	100.017	99.976	99.959	99.988
11	31 0	82.232	90.665	99.921	85.752	90.902	99.994	99.996	99.970	99.965	99.976
12	3130	81.122	91.566	99.059	79.481	99.855	88.810	97.006	99.996	99.943	100.006
13	41 0	86.476	78.986	99.961	72.865	99.838	74.378	94.209	99.987	88.650	99.982
14	4130	86.597	85.858	99.967	75.615	99.957	77.076	81.677	99.958	88.253	99.976
15	51 0	87.676	81.777	99.965	79.264	99.270	71.665	78.803	99.966	77.669	99.253
16	5130	88.557	88.002	99.976	82.298	99.111	78.850	77.507	99.958	76.159	99.036
17	61 0	88.771	85.126	98.988	80.675	97.192	81.736	76.571	99.957	75.756	97.299
18	6130	76.757	82.108	100.000	78.561	95.209	80.376	80.509	99.966	78.616	96.950
19	71 0	86.505	81.623	99.982	75.249	97.666	80.512	89.706	99.518	77.950	90.026
20	7130	80.157	81.567	99.953	77.965	86.117	77.200	82.085	99.882	76.950	87.966
21	81 0	88.371	81.882	99.711	82.105	70.931	76.580	82.701	90.719	76.621	75.926
22	8130	85.187	86.759	97.888	82.997	77.869	82.797	75.791	90.569	76.707	76.587
23	91 0	87.715	86.766	98.970	82.187	88.451	82.858	78.997	90.660	77.101	70.687
24	9130	86.879	86.880	99.721	82.057	88.665	83.988	82.615	90.780	79.365	66.887
25	101 0	85.857	86.825	99.505	79.815	86.111	82.952	82.970	88.929	88.070	67.627
26	10130	82.660	86.131	98.186	77.569	88.186	81.676	82.080	90.189	78.966	67.511
27	111 0	85.151	83.995	99.310	76.971	86.261	79.987	81.966	88.559	78.196	67.806
28	11130	85.700	80.981	98.679	77.515	85.788	78.150	81.987	88.086	77.807	66.977
29	121 0	85.565	82.771	99.033	77.882	86.166	77.615	76.623	88.212	75.656	67.166
30	12130	85.173	87.167	97.860	77.881	83.609	78.910	77.690	88.210	75.305	62.047
31	131 0	82.782	81.971	97.579	77.655	76.807	78.730	78.660	87.161	75.657	61.683
32	13130	82.865	81.561	97.582	77.565	62.625	79.180	78.101	96.262	75.788	62.807
33	141 0	83.969	81.558	93.966	78.119	65.378	79.090	77.966	95.977	76.107	66.706
34	14130	85.002	81.862	90.665	78.962	81.265	78.808	78.760	95.669	76.551	66.965
35	151 0	88.016	85.849	91.809	80.195	86.066	81.336	76.675	93.507	76.767	65.157
36	15130	68.013	83.026	93.565	79.115	86.180	81.618	80.378	96.315	79.166	66.670
37	161 0	83.905	86.512	92.106	80.565	86.992	83.110	81.665	96.667	80.316	65.650
38	16130	79.652	82.026	93.880	80.699	86.658	82.176	82.655	96.079	81.658	63.012
39	171 0	85.022	86.815	96.269	80.256	86.007	85.368	87.087	91.676	81.908	62.071
40	17130	87.359	83.529	91.869	79.693	81.156	82.096	85.680	90.167	81.358	61.167
41	181 0	81.567	85.601	90.229	79.667	67.270	83.980	62.667	88.625	81.786	60.976
42	18130	81.971	85.181	88.969	78.709	81.568	82.086	79.653	90.576	81.603	60.986
43	191 0	91.282	81.606	91.156	79.787	81.760	81.966	79.179	88.211	81.310	61.090
44	19130	80.632	81.935	89.197	78.307	81.198	81.706	81.950	95.110	80.808	60.958
45	24121	92.889	97.622	99.752	95.095	99.667	95.966	99.750	99.686	97.076	99.606

TITLE = CASE A DATE 86/10/19 TIME 13150145

CH. INDEX		231 S=101	232 S=102	233 S=103	234 S=111	235 S=112	236 S=121	237 S=122	238 S=123	239 S=131	240 S=132
INITIAL		0.167	0.168	0.109	0.163	0.167	0.162	0.157	0.167	0.167	0.109
FINAL		0.166	0.166	0.109	0.161	0.166	0.161	0.155	0.167	0.165	0.109
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	100.000	100.006	100.009	99.966	99.982	99.957	99.987	99.952	99.988	99.982
3	01 0	100.006	100.000	100.016	99.971	99.982	99.803	99.967	99.920	99.976	99.982
4	01 0	100.009	100.000	99.970	99.956	99.996	99.746	99.987	99.802	99.988	99.991
5	01 0	99.996	99.996	99.995	99.976	99.989	99.966	99.976	99.966	99.982	99.982
6	0130	91.996	101.000	99.989	99.786	99.982	99.817	99.981	99.802	99.982	99.971
7	11 0	100.000	100.000	99.975	99.990	99.976	99.711	99.976	98.862	99.970	99.973
8	1130	99.990	99.996	99.976	99.909	99.982	100.099	99.968	100.012	99.970	99.973
9	21 0	99.983	99.996	100.009	99.996	99.976	100.233	99.967	100.108	99.966	99.973
10	2130	99.996	99.976	100.005	100.000	99.988	100.176	99.968	100.066	99.956	99.982
11	31 0	99.996	99.988	100.005	100.005	99.986	100.136	99.995	100.030	99.952	99.973
12	3130	99.996	99.996	100.011	100.011	99.982	100.331	99.982	100.120	99.946	99.965
13	41 0	99.996	99.996	100.011	99.995	99.982	100.229	99.949	100.078	99.928	99.963
14	4130	100.000	99.976	100.011	99.989	99.982	100.065	99.955	100.018	99.916	99.965
15	51 0	95.009	98.995	100.009	99.873	99.976	100.225	99.995	100.036	99.928	99.965
16	5130	76.378	98.366	100.011	99.967	99.976	100.211	99.960	100.018	99.922	99.965
17	61 0	71.619	89.931	99.971	89.970	99.976	100.756	99.969	100.056	99.916	99.956
18	6130	76.177	76.176	99.900	75.925	99.982	100.300	99.930	100.086	99.910	99.956
19	71 0	75.190	75.765	100.005	73.037	99.965	100.120	97.961	99.996	99.906	99.956
20	7130	76.272	79.860	99.908	71.612	95.971	100.141	99.923	100.000	99.906	99.956
21	81 0	75.761	80.896	97.600	76.708	94.661	100.113	99.923	100.012	99.898	99.956
22	8130	72.791	82.086	96.631	77.209	86.161	99.979	96.923	99.838	99.876	99.965
23	91 0	72.980	81.806	99.666	89.301	85.667	78.856	99.656	99.862	99.868	99.956
24	9130	76.720	76.159	99.959	85.661	86.915	88.081	97.602	99.886	99.862	99.965
25	101 0	77.961	79.096	97.188	81.792	79.662	85.951	97.195	99.615	99.856	99.908
26	10130	76.360	79.885	98.979	88.562	76.616	81.260	96.761	89.716	98.555	99.866
27	111 0	76.223	81.623	98.817	88.676	76.829	55.688	96.231	99.567	91.690	98.616
28	11130	76.511	82.868	90.672	89.070	72.706	55.762	95.966	98.690	89.786	96.190
29	121 0	75.885	82.961	90.166	89.053	71.536	56.661	96.106	98.518	88.070	93.918
30	12130	76.189	81.596	76.960	67.861	71.670	56.709	96.020	97.601	88.631	89.606
31	131 0	75.756	86.632	95.255	75.659	70.550	59.096	96.052	96.616	88.627	90.695
32	13130	77.166	79.971	95.622	76.198	72.566	60.273	96.697	95.263	85.689	85.586
33	141 0	73.702	77.519	95.621	82.568	76.271	58.970	96.802	97.569	85.602	87.197
34	14130	76.365	78.520	92.712	81.596	72.718	57.366	99.605	97.602	85.166	86.719
35	151 0	75.009	75.227	73.710	86.751	70.596	55.816	96.955	96.601	86.760	86.720
36	15130	76.697	79.368	93.596	86.709	88.606	53.819	95.331	95.880	86.117	80.795
37	161 0	77.612	80.905	93.060	85.111	87.297	51.960	95.127	95.708	85.129	81.609
38	16130	77.851	76.293	90.509	86.763	86.169	53.603	95.625	91.970	82.896	80.108
39	171 0	81.020	82.566	80.815	87.700	87.136	52.626	96.665	93.997	87.166	85.269
40	17130	80.120	85.572	90.681	89.667	87.251	52.659	96.955	91.631	82.026	85.209
41	181 0	81.339	82.995	92.668	89.560	87.156	51.952	96.859	96.069	88.958	88.565
42	18130	82.867	86.213	89.926	71.661	87.569	56.169	96.821	95.590	81.663	96.306
43	191 0	81.960	83.709	90.157	71.955	87.082	55.862	96.955	96.180	80.966	88.299
44	19130	81.167	82.567	96.195	72.780	86.621	56.750	95.289	96.129	80.857	96.830
45	24121	96.211	96.915	99.766	98.686	99.957	99.206	99.067	99.862	99.011	99.968

TITLE = CASE 6 DATE 86/10/19 TIME 13150145

CH. INDEX		250 V= 21	251 V= 22	252 V= 23	253 V= 24	254 V= 25	255 V= 26	256 V= 27	257 V= 28	258 V= 29	259 V= 71
INITIAL		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FINAL		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOOP	TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	01 0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	01 0	0.002	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0
5	01 0	0.002	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0
6	0130	1.171	0.908	0.379	0.081	-0.004	-0.088	-0.060	-0.055	-0.026	0.0
7	11 0	1.719	0.966	0.220	0.0	0.0	-0.236	-0.251	-0.165	0.0	0.0
8	1130	1.662	1.106	0.522	0.0	0.0	-0.208	-0.261	-0.182	0.002	0.0
9	21 0	1.501	0.955	0.276	0.0	0.0	-0.295	-0.253	-0.175	0.0	0.0
10	2130	1.715	0.990	0.181	0.0	0.0	-0.202	-0.327	-0.268	0.002	0.101
11	31 0	1.815	1.066	0.159	0.0	0.0	-0.269	-0.315	-0.316	-0.318	1.068
12	3130	1.877	1.241	0.516	0.0	-0.095	-0.296	-0.375	-0.356	-0.377	0.788
13	41 0	1.911	1.266	0.807	0.0	-0.375	-0.467	-0.461	-0.465	-0.451	0.819
14	4130	1.967	1.257	0.767	0.068	-0.282	-0.666	-0.488	-0.502	-0.526	1.095
15	51 0	1.861	1.170	0.768	0.120	-0.203	-0.509	-0.687	-0.509	-0.515	1.008
16	5130	1.967	1.252	0.912	0.251	0.0	-0.566	-0.596	-0.565	-0.523	1.055
17	61 0	1.855	1.161	0.812	0.200	0.0	-0.569	-0.560	-0.607	-0.507	1.060
18	6130	1.966	1.316	0.766	0.211	0.0	-0.566	-0.586	-0.571	-0.612	1.139
19	71 0	1.869	1.311	0.759	0.112	0.0	-0.621	-0.629	-0.592	-0.550	1.041
20	7130	2.012	1.278	0.768	0.0	0.0	-0.595	-0.562	-0.591	-0.571	1.027
21	81 0	1.957	1.271	0.788	0.081	0.0	-0.557	-0.565	-0.595	-0.717	1.078
22	8130	2.095	1.665	0.736	0.151	0.0	-0.696	-0.650	-0.580	-0.568	1.139
23	91 0	2.069	1.309	0.716	0.179	0.0	-0.579	-0.616	-0.576	-0.655	1.090
24	9130	2.026	1.528	0.791	0.187	0.0	-0.467	-0.516	-0.568	-0.618	1.072
25	101 0	1.973	1.391	0.761	0.176	0.0	-0.456	-0.619	-0.611	-0.667	1.121
26	10130	1.966	1.575	0.831	0.0	0.0	-0.566	-0.667	-0.668	-0.678	1.111
27	111 0	2.062	1.321	0.776	0.068	0.0	-0.566	-0.651	-0.575	-0.607	1.081
28	11130	2.026	1.576	0.676	0.187	0.0	-0.557	-0.663	-0.655	-0.628	1.120
29	121 0	2.081	1.622	0.777	0.311	0.0	-0.679	-0.877	-0.675	-0.683	0.968
30	12130	2.119	1.357	0.763	0.165	0.0	-0.960	-0.665	-0.660	-0.703	0.999
31	131 0	2.210	1.421	0.688	0.282	0.002	-0.631	-0.766	-0.780	-0.654	1.075
32	13130	2.112	1.596	0.767	0.151	0.0	-0.619	-0.665	-0.956	-0.636	1.075
33	141 0	2.066	1.271	0.876	0.095	0.0	-0.605	-0.659	-0.675	-0.703	1.029
34	14130	2.051	1.555	0.776	0.176	0.0	-0.616	-0.562	-0.573	-0.750	1.041
35	151 0	2.082	1.509	0.665	0.275	0.0	-0.580	-0.581	-0.606	-0.736	1.053
36	15130	2.102	1.526	0.650	0.256	0.0	-0.631	-0.709	-0.690	-0.660	1.072
37	161 0	2.161	1.775	0.781	0.190	0.0	-0.580	-0.661	-0.759	-0.703	0.996
38	16130	1.952	1.512	0.836	0.107	0.0	-0.609	-0.678	-0.568	-0.663	1.082
39	171 0	1.877	1.119	0.691	0.283	0.0	-0.652	-0.772	-0.626	-0.683	1.060
40	17130	1.670	1.665	0.752	0.176	0.0	-0.616	-0.708	-0.607	-0.786	0.977
41	181 0	1.616	1.219	0.656	0.196	-0.260	-0.709	-0.605	-0.686	-0.865	0.885
42	18130	1.719	1.576	0.611	0.005	-0.259	-0.561	-0.771	-0.588	-0.762	0.909
43	191 0	1.619	1.191	0.516	0.0	-0.156	-0.562	-0.676	-0.675	-0.756	0.807
44	19130	1.565	1.816	0.687	0.0	-0.156	-0.516	-0.576	-0.607	-0.660	0.850
45	24121	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TITLE = CASE 4 DATE [illegible] TIME [illegible]

CHA INDEX	260 V= 77	261 V= 71	262 V= 74	263 V=171	264 V=122	265 V=123	266 V=124
INITIAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
LOOP TIME	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)	(M/S)
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

実験No.24　　TITLE + CASE 7　　(A)　　DATE 85/10/29　　TIME 151 8118

CH. INDEX		101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		19.500	19.000	18.800	18.500	18.100	18.100	17.600	17.700	17.700	18.600
FINAL		26.100	26.800	19.100	16.600	16.700	19.500	19.300	19.400	19.700	18.200
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.100	0.0	-0.200	0.0	-0.100	0.0	0.100	0.100	0.0	-0.100
3	01 0	0.500	-0.100	0.0	-0.200	-0.100	-0.100	0.0	0.0	0.0	0.100
4	01 0	52.400	8.700	5.900	3.100	0.900	0.0	0.0	0.100	0.0	0.0
5	0130	92.200	67.100	40.500	20.000	3.200	0.600	0.600	0.300	0.200	26.400
6	11 0	113.800	97.900	53.500	40.900	8.900	1.200	0.900	0.600	0.400	43.500
7	1130	129.300	65.100	60.300	46.200	15.800	1.900	1.200	0.800	0.400	49.100
8	21 0	149.600	70.200	66.400	55.400	23.000	2.100	1.100	1.000	0.800	56.400
9	2130	157.900	74.900	71.100	62.100	29.400	2.800	1.800	1.200	1.000	58.900
10	31 0	170.700	80.300	77.100	67.900	36.500	3.500	2.800	1.500	1.200	61.800
11	3130	188.800	90.200	84.400	78.000	48.500	17.200	2.400	1.400	1.500	68.500
12	41 0	194.600	97.900	94.700	85.200	56.500	30.200	6.400	2.400	1.900	76.600
13	4130	202.400	107.900	101.300	87.500	60.500	33.200	11.100	4.900	2.400	82.400
14	51 0	198.100	109.900	104.100	91.500	60.100	36.100	17.700	8.800	3.900	87.000
15	5130	201.100	108.500	105.800	98.200	65.100	34.800	20.100	13.000	7.800	90.900
16	61 0	202.300	105.600	106.800	102.400	70.800	37.000	23.100	16.800	10.700	89.400
17	6130	209.000	111.900	112.800	107.100	71.200	38.900	25.200	19.200	12.900	91.400
18	71 0	212.800	111.200	112.400	105.400	77.000	42.700	28.500	21.800	14.800	95.900
19	7130	220.700	115.700	116.900	110.700	74.700	45.100	29.800	23.700	14.400	95.900
20	81 0	230.100	120.800	120.900	112.200	79.800	44.800	31.000	25.900	18.400	102.900
21	8130	226.100	122.700	122.300	112.700	78.000	43.800	32.200	29.300	21.000	104.200
22	91 0	231.000	119.800	120.200	111.100	70.000	44.900	33.900	30.800	22.900	107.100
23	9130	227.800	121.800	121.200	118.500	77.800	45.900	36.900	31.700	25.900	101.400
24	101 0	230.300	121.800	122.500	111.400	79.800	46.800	35.500	32.500	26.000	103.500
25	10130	229.800	127.200	124.100	112.300	80.000	47.400	36.400	32.800	25.600	105.400
26	111 0	233.700	122.500	121.300	113.900	79.800	48.900	36.500	34.300	26.200	103.100
27	11130	231.400	126.100	122.700	111.600	80.800	49.100	38.200	35.400	26.900	103.100
28	121 0	233.500	125.300	124.200	116.400	80.500	48.200	38.800	34.900	27.400	104.400
29	12130	225.700	122.700	121.500	112.800	81.200	48.000	39.800	35.400	27.700	104.500
30	131 0	212.800	119.300	120.000	111.500	81.900	47.400	40.400	35.900	28.200	100.900
31	13130	198.600	112.400	114.500	106.300	78.200	47.200	41.000	36.700	30.000	90.200
32	141 0	187.300	107.100	108.800	99.000	76.000	46.400	41.900	37.300	30.700	87.600
33	14130	168.400	100.900	99.300	92.800	73.300	47.200	41.400	37.000	30.200	87.500
34	151 0	151.000	91.700	91.500	86.200	68.400	47.100	40.800	36.700	29.700	80.300
35	15130	139.300	82.800	83.400	78.100	65.200	47.200	40.400	36.000	29.300	73.700
36	161 0	123.100	75.863	76.800	71.200	60.400	44.900	39.900	35.800	29.100	66.700
37	16130	116.600	69.005	67.500	65.300	54.200	42.500	36.700	35.000	29.400	60.400
38	171 0	112.900	65.400	62.000	58.200	49.700	40.400	36.800	33.700	28.100	55.100
39	17130	104.800	58.900	56.200	54.300	46.200	38.900	35.400	32.500	27.400	50.500
40	181 0	97.900	55.900	54.100	50.200	43.400	37.200	33.600	30.700	29.700	47.500
41	18130	88.900	50.800	49.400	46.500	40.600	35.500	37.000	28.900	26.300	41.900
42	191 0	81.800	45.800	44.800	42.400	37.700	33.360	34.200	27.300	23.700	40.800
43	19130	72.800	41.900	41.800	39.700	35.800	31.000	27.800	25.100	21.000	37.100
44	441 0	8.800	1.000	0.100	-2.100	-1.400	-2.800	-2.500	-2.300	-2.800	-0.400

TITLE + CASE 7　　DATE 85/10/29　　TIME 151 8118

CH. INDEX		111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		20.600	16.700	18.500	18.200	18.100	18.200	17.700	19.300	18.700	18.700
FINAL		50.100	17.100	17.700	16.700	15.300	15.400	15.300	21.100	22.700	19.600
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.100	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.0
3	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.100
4	01 0	0.0	-0.100	-0.100	0.0	-0.100	0.0	0.0	0.0	0.0	0.100
5	0130	0.400	10.100	7.500	0.400	0.200	0.100	0.100	0.0	0.0	0.100
6	11 0	2.500	24.500	15.700	1.200	0.600	0.300	0.300	17.800	15.000	7.100
7	1130	6.000	34.500	26.100	1.800	0.900	0.500	0.500	20.700	25.100	13.000
8	21 0	9.300	42.100	31.200	3.200	1.200	0.700	0.700	26.400	31.500	18.000
9	2130	12.600	48.400	37.400	4.100	1.400	0.900	0.900	31.300	36.500	22.300
10	31 0	15.700	54.300	43.400	13.200	2.100	1.300	1.100	35.200	40.400	26.100
11	3130	17.900	60.700	49.500	22.300	6.300	1.700	1.400	39.000	44.100	29.700
12	41 0	20.600	66.500	56.430	27.900	13.500	4.600	2.300	44.100	49.400	34.800
13	4130	23.200	72.900	61.600	31.460	18.400	7.600	3.500	49.700	55.600	39.800
14	51 0	26.900	76.100	66.200	34.200	22.700	10.400	4.800	54.200	60.400	44.200
15	5130	29.800	80.300	68.800	38.200	27.300	13.260	6.360	58.100	64.000	48.100
16	61 0	30.900	81.100	72.600	42.100	31.500	16.400	8.900	60.700	66.500	51.300
17	6130	32.500	85.200	74.100	44.500	34.200	18.900	10.700	63.400	68.800	54.000
18	71 0	36.100	87.500	76.200	46.800	35.100	21.200	13.000	66.300	71.000	56.400
19	7130	35.400	89.300	78.300	46.000	36.200	21.500	15.000	68.200	72.700	58.400
20	81 0	36.000	91.400	79.900	47.400	37.500	25.100	16.700	70.800	75.400	61.200
21	8130	38.400	93.300	80.400	49.100	36.000	26.300	17.400	72.700	77.800	63.900
22	91 0	40.100	93.300	80.700	49.100	38.900	27.600	19.500	74.800	78.400	65.100
23	9130	41.300	94.700	82.400	49.900	39.400	29.000	21.500	74.900	79.100	66.300
24	101 0	42.100	95.200	81.300	50.100	40.500	30.000	22.900	75.200	79.100	67.200
25	10130	43.400	95.300	79.200	51.100	40.800	30.400	23.900	76.500	80.300	68.100
26	111 0	43.700	95.300	82.300	51.900	42.100	31.500	24.700	77.100	80.800	68.900
27	11130	44.400	94.900	82.900	53.100	42.700	32.400	26.000	77.200	80.900	69.500
28	121 0	45.100	95.800	82.800	53.300	43.100	33.100	26.600	78.000	81.500	70.100
29	12130	45.000	96.100	82.600	53.100	43.100	33.100	27.000	78.000	81.600	70.900
30	131 0	46.000	95.100	81.900	53.000	42.900	33.900	27.800	77.500	80.400	71.100
31	13130	46.900	91.800	80.100	53.000	43.300	36.500	28.300	76.700	79.700	70.900
32	141 0	46.800	87.000	79.000	52.400	43.400	36.700	28.700	74.500	76.800	69.700
33	14130	46.100	82.200	75.500	51.900	43.900	35.200	29.000	71.300	73.100	67.800
34	151 0	45.200	77.200	69.000	50.500	42.300	35.400	29.000	68.700	69.900	65.400
35	15130	43.800	71.700	64.200	49.600	40.400	34.800	26.400	64.600	65.400	63.000
36	161 0	42.600	65.300	60.000	47.200	39.400	34.700	28.200	61.200	61.800	60.400
37	16130	40.600	59.900	55.200	44.400	38.300	33.500	28.100	57.500	57.400	57.400
38	171 0	38.700	54.200	50.100	41.200	36.500	32.700	27.700	53.500	53.200	54.400
39	17130	36.900	49.400	46.700	39.800	34.900	31.700	27.100	49.500	48.800	51.300
40	181 0	35.300	46.900	44.000	38.800	33.100	30.000	26.500	44.100	45.700	48.400
41	18130	35.800	43.500	41.400	36.700	31.400	29.400	25.000	45.300	47.400	45.900
42	191 0	37.500	40.000	36.700	33.800	29.600	28.800	26.300	40.400	39.700	45.600
43	19130	31.300	36.400	35.500	30.100	27.100	26.400	22.900	38.000	37.100	41.200
44	441 0	9.500	-1.800	-0.800	-3.500	-2.000	-2.600	-2.400	1.800	3.900	0.900

TITLE + CASE 7　　DATE 85/10/29　　TIME 151 8118

CH. INDEX		121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 41	126 T= 42	127 T= 43	128 T= 44	129 T= 45	130 T= 46
INITIAL		18.200	18.400	18.200	17.500	18.900	18.800	19.400	18.100	18.100	18.000
FINAL		19.800	18.900	18.500	16.700	19.800	18.400	14.200	15.000	15.500	15.000
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	0.0	0.0	-0.100
3	01 0	0.0	0.0	0.100	0.100	0.0	0.0	-0.100	-0.100	0.0	-0.100
4	01 0	0.0	0.0	0.100	0.100	0.0	0.0	-0.100	-0.100	0.0	0.0
5	0130	0.0	0.100	0.100	0.200	0.0	-0.100	-0.100	-0.100	0.0	-0.100
6	11 0	0.400	1.700	0.400	0.300	4.500	4.200	7.300	4.400	2.700	0.200
7	1130	0.500	2.600	0.600	0.600	13.000	12.300	18.800	12.000	6.000	0.500
8	21 0	0.800	3.500	0.800	0.500	19.700	18.400	26.000	19.400	12.400	2.400
9	2130	1.600	6.100	1.100	0.600	24.100	23.400	30.500	24.200	17.300	8.400
10	31 0	5.700	9.600	3.000	0.800	28.300	27.400	34.800	28.900	21.300	12.300
11	3130	9.100	12.100	4.800	1.600	31.900	31.300	36.500	32.600	26.800	15.700
12	41 0	12.800	15.000	7.800	2.500	35.300	35.600	42.100	37.400	29.700	19.100
13	4130	16.200	18.500	11.000	4.000	39.900	40.900	47.300	41.600	32.800	22.100
14	51 0	19.700	21.600	14.100	5.200	43.900	44.800	51.100	45.700	36.500	25.500
15	5130	24.200	24.300	17.500	7.300	47.600	48.800	55.000	50.300	41.000	29.000
16	61 0	26.300	27.000	19.400	8.900	50.400	51.600	56.400	51.700	43.000	31.200
17	6130	29.500	29.400	23.000	10.300	52.700	53.400	57.800	54.200	46.500	33.000
18	71 0	31.900	31.700	25.800	11.600	55.300	56.700	59.900	55.800	48.300	35.600
19	7130	33.900	34.000	26.300	13.300	56.800	57.600	61.800	58.100	51.200	38.100
20	81 0	35.700	35.700	30.400	15.000	58.700	59.300	61.300	59.400	53.400	40.400
21	8130	36.900	37.000	32.800	16.300	60.700	61.200	64.400	59.800	53.700	40.100
22	91 0	37.800	38.600	33.100	17.900	62.100	62.700	65.700	61.800	56.100	41.100
23	9130	39.200	40.100	34.800	19.300	62.300	63.300	65.900	62.800	56.500	42.900
24	101 0	40.200	41.200	35.400	20.400	63.100	63.800	65.900	61.900	57.000	43.500
25	10130	41.000	42.400	37.100	21.600	63.300	64.000	66.100	62.400	58.000	41.700
26	111 0	41.300	43.100	37.700	22.500	64.400	64.900	67.200	62.800	57.000	43.400
27	11130	41.800	43.900	38.800	23.400	64.700	65.000	66.400	63.300	58.000	43.900
28	121 0	42.400	44.500	39.200	24.400	65.300	65.200	67.000	65.300	57.600	43.700
29	12130	42.600	45.200	39.400	25.000	66.100	65.700	67.200	65.200	57.900	44.100
30	131 0	42.900	45.900	40.100	25.700	65.800	65.900	67.400	64.400	58.300	44.400
31	13130	43.700	46.600	40.400	26.900	65.000	65.500	66.400	63.100	58.500	41.900
32	141 0	43.900	47.200	41.100	27.100	64.100	64.300	64.300	61.900	57.000	44.100
33	14130	43.700	47.000	41.200	27.500	62.000	62.100	60.900	58.700	56.200	42.900
34	151 0	43.300	46.000	41.300	27.300	59.000	59.400	58.200	56.800	55.400	42.400
35	15130	42.900	45.800	41.200	27.400	56.700	57.100	56.800	52.800	56.500	40.200
36	161 0	41.300	44.400	40.500	27.700	53.700	53.800	51.100	49.800	47.700	38.400
37	16130	39.900	42.400	39.500	27.900	50.900	50.800	47.700	46.000	45.100	37.100
38	171 0	38.300	40.700	38.200	27.900	47.900	47.600	45.400	43.200	41.800	35.400
39	17130	36.400	38.800	36.700	27.400	44.700	44.200	40.400	39.900	39.000	32.900
40	181 0	34.800	36.800	35.400	27.000	41.500	41.000	37.400	36.800	35.000	30.300
41	18130	33.200	35.300	34.100	26.400	38.400	38.100	36.400	33.900	33.400	28.500
42	191 0	31.600	33.500	32.400	25.700	36.200	35.700	32.500	31.000	30.800	26.800
43	19130	30.000	31.800	31.600	24.800	35.800	33.400	30.800	29.900	29.100	25.500
44	441 0	-2.400	0.500	-1.700	-2.800	0.700	-0.400	-2.200	-3.100	-2.400	-3.000

TITLE + CASE 7　　DATE 85/10/29　　TIME 151 8118

CH. INDEX		131 T= 47	132 T= 51	133 T= 52	134 T= 53	135 T= 54	136 T= 61	137 T= 62	138 T= 63	139 T= 64	140 T= 65
INITIAL		17.500	17.800	17.500	17.100	17.100	17.200	17.100	16.800	16.800	16.800
FINAL		16.800	16.600	15.200	16.700	16.800	15.800	15.000	16.300	16.500	16.700
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.100	0.0	0.100	0.100	-0.100	-0.100	-0.200	0.0	-0.100
3	01 0	0.0	0.100	0.100	0.100	0.100	-0.200	-0.100	0.0	0.0	-0.100
4	01 0	0.0	0.100	0.0	0.100	0.0	-0.200	-0.100	0.100	0.0	0.0
5	0130	0.100	0.100	0.100	0.200	0.100	-0.100	0.0	0.0	0.0	0.0
6	11 0	0.200	0.200	0.200	0.300	0.200	0.0	0.100	0.100	0.200	0.100
7	1130	0.500	11.700	4.300	3.600	1.200	0.100	0.100	0.100	0.200	0.200
8	21 0	0.700	19.100	11.100	7.000	4.700	3.200	2.000	2.400	1.800	2.300
9	2130	3.000	21.600	12.800	12.200	8.200	6.500	5.800	5.400	4.100	5.800
10	31 0	5.200	23.800	15.900	15.000	11.200	9.400	8.700	8.800	6.900	8.500
11	3130	6.100	26.100	18.200	17.400	13.200	11.100	10.800	11.100	8.900	10.600
12	41 0	8.800	26.200	19.100	18.900	15.400	12.500	12.100	12.400	10.100	11.800
13	4130	9.900	33.300	22.900	20.900	16.700	14.800	13.800	14.100	11.900	13.200
14	51 0	13.000	35.900	26.300	24.300	18.900	17.100	16.700	16.100	13.900	15.000
15	5130	14.700	39.700	28.500	26.900	21.200	19.800	18.300	18.000	15.700	17.400
16	61 0	16.400	42.600	30.700	28.200	23.200	21.500	20.400	19.900	17.500	18.800
17	6130	18.200	42.400	31.800	29.100	24.800	22.800	21.400	20.700	18.200	20.000
18	71 0	20.100	43.800	32.700	30.900	26.400	23.200	22.400	21.800	19.400	20.600
19	7130	21.700	45.900	34.800	33.900	28.000	25.000	23.400	22.800	20.700	21.400
20	81 0	23.700	46.700	35.900	33.700	29.700	25.500	24.900	23.800	21.300	22.300
21	8130	25.900	49.200	38.400	35.000	30.400	26.100	26.700	26.000	21.900	22.800
22	91 0	26.900	48.700	38.100	36.900	31.600	27.300	28.000	25.400	22.900	23.700
23	9130	27.700	49.600	37.900	36.900	31.700	27.700	26.000	25.400	22.700	23.700
24	101 0	27.700	50.900	38.800	35.700	32.000	28.900	26.100	25.100	23.200	24.000
25	10130	28.900	50.500	38.800	37.400	31.500	28.500	26.400	26.100	23.800	24.500
26	111 0	29.700	51.500	39.100	35.300	33.200	28.800	26.500	26.200	24.000	24.600
27	11130	30.400	50.200	41.100	35.900	33.700	30.100	27.000	26.500	23.800	24.700
28	121 0	31.200	50.800	39.600	37.900	35.200	29.400	28.000	26.900	24.400	24.900
29	12130	31.400	50.800	39.400	36.900	34.800	29.900	27.900	27.100	24.400	25.000
30	131 0	31.100	51.600	39.900	37.400	35.100	29.400	27.800	26.900	24.300	25.000
31	13130	32.700	49.300	38.900	36.500	34.400	29.000	27.400	26.700	24.400	25.000
32	141 0	31.700	49.200	37.000	36.300	33.900	28.900	26.800	25.900	24.000	24.900
33	14130	31.600	47.000	36.600	36.100	33.100	28.200	26.200	24.700	23.000	23.100
34	151 0	31.700	43.600	36.300	33.200	32.300	26.800	25.300	24.000	22.100	22.800
35	15130	31.400	42.000	33.100	31.800	31.700	25.200	24.100	23.800	21.100	20.800
36	161 0	30.600	38.800	31.600	30.400	30.500	24.000	22.500	21.500	20.200	20.300
37	16130	29.900	36.100	30.600	29.200	29.100	22.300	21.700	20.500	19.300	19.000
38	171 0	28.700	33.000	28.900	27.000	27.400	21.100	20.500	19.500	18.100	17.900
39	17130	27.200	31.700	26.300	25.100	25.800	19.900	19.300	18.300	17.200	17.100
40	181 0	26.100	28.400	24.200	23.600	24.200	18.700	18.600	17.300	16.200	15.900
41	18130	24.400	26.600	23.100	22.400	22.800	17.000	17.100	16.500	15.700	14.000
42	191 0	23.200	24.700	21.400	20.800	21.300	15.900	16.100	15.000	14.800	13.700
43	19130	22.400	23.500	20.400	19.400	22.100	15.100	14.900	13.900	13.290	13.800
44	441 0	-2.700	-0.800	-2.100	-2.400	-2.300	-1.400	-2.100	-2.400	-2.300	-2.400

TITLE = CASE 7 DATE 85/10/29 TIME 151 0118

CH. INDEX		141 T= 71	142 T= 72	143 T= 73	144 T= 74	145 T= 81	146 T= 82	147 T= 83	148 T= 84	149 T= 85	150 T= 91
INITIAL		16.900	16.600	16.700	16.600	16.600	16.700	16.600	16.600	16.600	16.600
FINAL		15.900	14.300	13.900	14.000	14.700	15.200	14.500	14.600	14.300	14.700
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.100	0.0	0.0	0.100	0.0	0.0	0.0	0.0	0.100
3	01 0	0.100	0.0	0.0	0.0	0.100	0.0	0.0	0.0	0.0	0.0
4	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0130	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	11 0	0.100	0.200	0.100	0.100	0.100	0.0	0.0	0.100	0.100	0.0
7	1130	0.100	0.200	0.100	0.100	0.100	0.0	0.100	0.100	0.100	0.0
8	21 0	0.100	0.100	0.100	0.200	0.100	0.100	0.100	0.100	0.0	0.100
9	2130	0.900	1.100	0.800	0.700	0.100	0.100	0.100	0.100	0.100	0.100
10	31 0	3.700	3.000	3.500	3.200	0.900	0.500	0.400	0.400	0.100	0.100
11	3130	6.100	6.000	5.700	5.500	2.000	2.100	2.100	1.600	0.800	0.200
12	41 0	7.700	7.500	7.200	7.100	3.900	3.700	3.900	3.100	1.400	1.500
13	4130	8.700	8.800	8.100	7.900	5.100	4.900	4.900	4.100	2.900	2.700
14	51 0	9.900	9.800	9.300	9.100	6.000	5.900	5.900	5.100	3.100	3.400
15	5130	11.600	11.400	10.900	10.300	7.000	6.800	6.700	5.800	3.700	4.100
16	61 0	13.500	13.100	12.500	12.100	8.000	7.800	7.700	6.700	4.500	4.900
17	6130	14.400	14.900	13.700	13.500	9.400	9.000	8.900	7.900	5.300	5.600
18	71 0	15.600	15.300	14.200	14.000	10.400	10.000	9.800	8.900	6.100	6.500
19	7130	15.800	15.600	14.600	14.800	11.000	10.700	10.300	9.300	6.800	7.100
20	81 0	16.700	16.200	15.500	15.300	11.400	11.200	10.900	10.000	7.300	7.500
21	8130	17.600	17.100	16.100	16.200	11.900	11.600	11.400	10.400	7.700	8.100
22	91 0	18.000	17.600	16.900	16.100	12.400	12.200	11.800	10.700	8.100	8.500
23	9130	18.600	18.000	17.400	16.700	12.900	12.600	12.100	11.200	8.500	8.700
24	101 0	18.800	18.100	18.400	18.500	13.100	13.000	12.500	11.400	8.900	9.100
25	10130	18.700	18.200	17.400	16.900	13.500	13.100	12.600	11.100	9.200	9.000
26	111 0	19.400	18.800	17.900	17.400	13.200	13.100	12.600	11.700	9.400	9.400
27	11130	19.100	18.800	17.500	17.100	13.500	13.200	12.000	12.000	9.400	9.400
28	121 0	19.500	18.900	18.200	17.700	13.700	13.400	12.900	11.900	9.600	9.500
29	12130	19.800	19.200	18.200	17.700	13.700	13.600	13.000	12.200	9.900	9.600
30	131 0	19.900	19.000	17.900	17.200	13.600	13.500	13.100	12.400	10.100	9.800
31	13130	19.700	19.100	18.100	17.600	13.600	13.500	13.100	12.400	10.700	9.800
32	141 0	19.200	18.700	17.600	17.100	13.500	13.600	13.000	12.300	10.300	9.900
33	14130	19.600	18.300	17.200	16.400	13.600	13.300	12.700	11.800	10.200	9.800
34	151 0	18.900	17.800	16.900	16.100	13.400	13.100	12.300	11.600	10.000	9.900
35	15130	17.800	17.000	16.100	15.700	12.900	12.700	11.900	11.200	9.900	9.500
36	161 0	17.000	16.600	15.100	14.900	12.900	11.900	11.600	11.100	9.800	9.200
37	16130	16.600	15.600	14.500	13.700	11.700	11.900	11.800	10.600	9.500	8.900
38	171 0	15.700	14.700	13.900	13.000	11.100	11.100	10.900	10.300	9.200	8.600
39	17130	14.200	14.200	13.200	12.900	10.800	10.800	10.100	9.800	8.900	8.100
40	181 0	13.500	13.100	12.200	11.800	10.100	10.600	9.400	9.100	8.600	7.900
41	18130	12.900	12.700	11.700	11.200	9.600	9.600	9.200	8.600	8.500	7.600
42	191 0	11.900	11.900	11.100	10.600	9.300	9.300	9.000	8.700	8.100	7.100
43	19130	11.100	10.900	10.300	9.700	8.900	8.900	8.300	8.100	7.800	6.900
44	441 0	-1.600	-2.100	-2.800	-2.600	-1.900	-1.900	-2.100	-2.000	-2.100	-1.900

TITLE = CASE 7 DATE 85/10/29 TIME 151 0118

CH. INDEX		151 T= 92	152 T= 93	153 T= 94	154 T=101	155 T=102	156 T=103	157 T=104	158 T=105	159 T=111	160 T=112
INITIAL		16.600	16.800	16.500	16.600	16.500	16.500	16.500	16.500	16.500	16.600
FINAL		14.600	14.200	14.000	14.800	14.600	14.900	14.400	14.800	14.400	14.200
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	0.0	0.100	0.0	0.0	0.0	0.100	0.0
3	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	01 0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0130	0.0	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	0.0
6	11 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.0
7	1130	0.0	0.0	0.0	0.100	0.100	0.0	0.0	0.0	0.0	0.0
8	21 0	0.100	0.100	0.0	0.0	0.0	0.100	0.100	0.0	0.100	0.0
9	2130	0.100	0.100	0.100	0.0	0.0	0.100	0.100	0.100	0.100	0.0
10	31 0	0.100	0.100	0.100	0.0	0.100	0.100	0.100	0.0	0.0	0.0
11	3130	0.100	0.400	0.400	0.0	0.0	0.100	0.100	0.100	0.100	0.100
12	41 0	1.500	1.800	1.600	0.200	0.700	0.400	0.300	0.100	0.300	0.100
13	4130	2.720	2.900	3.800	0.900	1.300	1.500	1.100	1.300	0.900	0.900
14	51 0	3.500	3.800	4.000	1.800	2.300	2.600	2.000	2.100	1.700	1.300
15	5130	4.200	4.400	4.600	2.400	3.100	3.300	2.700	2.800	2.000	1.900
16	61 0	4.900	5.000	5.200	3.100	3.700	3.800	3.400	3.400	2.600	2.600
17	6130	5.700	5.400	6.100	3.700	4.100	4.300	3.800	3.800	3.000	3.000
18	71 0	6.700	6.800	6.900	4.200	4.600	4.900	4.500	4.500	3.500	3.400
19	7130	7.300	7.600	7.500	4.900	5.500	5.600	4.900	5.100	4.000	3.900
20	81 0	7.800	7.800	8.000	5.600	6.100	6.100	5.500	5.600	4.500	4.400
21	8130	8.800	8.200	8.400	6.000	6.500	6.900	5.900	5.400	5.100	4.900
22	91 0	8.500	8.500	8.900	6.100	6.600	6.700	6.100	6.200	5.200	5.100
23	9130	8.700	8.800	9.000	6.400	6.800	7.100	6.400	6.400	5.400	5.300
24	101 0	9.600	9.100	9.100	6.700	7.200	7.300	6.700	6.700	5.500	5.500
25	10130	9.400	9.300	9.600	7.000	7.400	7.400	6.800	6.900	5.800	5.700
26	111 0	9.700	9.600	9.800	7.200	7.600	7.700	7.000	7.000	6.000	5.800
27	11130	9.600	9.600	9.700	7.100	7.800	7.800	7.100	7.200	6.200	6.000
28	121 0	9.800	9.600	9.700	7.300	7.700	7.800	7.200	7.200	6.200	6.100
29	12130	9.800	9.400	9.500	7.500	7.600	7.900	7.300	7.300	6.200	6.100
30	131 0	9.800	9.900	9.800	7.600	7.900	7.800	7.300	7.300	6.400	6.200
31	13130	10.800	10.100	10.100	7.600	8.000	8.000	7.400	7.400	6.400	6.300
32	141 0	9.900	10.000	9.900	7.600	8.100	8.000	7.400	7.400	6.500	6.400
33	14130	9.700	9.800	9.900	7.600	8.000	7.800	7.400	7.300	6.200	6.200
34	151 0	9.600	9.600	9.500	7.600	7.900	7.700	7.300	7.200	6.300	6.200
35	15130	9.500	9.400	9.100	7.400	7.700	7.500	7.100	7.000	6.100	6.100
36	161 0	9.230	9.100	9.000	7.200	7.500	7.400	7.000	6.900	6.100	6.000
37	16130	8.800	8.800	8.700	7.000	7.400	7.200	6.800	6.600	6.000	5.800
38	171 0	8.400	8.800	8.200	6.700	7.100	7.000	6.500	6.500	5.700	5.700
39	17130	8.100	8.000	7.900	6.600	6.800	6.700	6.400	6.200	5.500	5.500
40	181 0	7.900	7.800	7.600	6.200	6.500	6.400	6.100	6.000	5.300	5.300
41	18130	7.630	7.500	7.300	6.000	6.220	6.200	5.800	5.700	5.100	5.100
42	191 0	7.320	7.200	7.000	5.700	6.030	5.900	5.700	5.600	4.800	4.900
43	19130	7.000	6.900	6.700	5.400	5.700	5.600	5.500	5.400	4.600	4.800
44	441 0	-1.700	-2.400	-2.500	-2.000	-1.900	-2.000	-2.100	-2.500	-2.100	-2.200

TITLE = CASE 7 DATE 85/10/29 TIME 151 0118

CH. INDEX		161 T=113	162 T=114	163 T=121	164 T=122	165 T=123	166 T=124	167 T=125	168 T=131	169 T=132	170 T=133
INITIAL		16.500	16.600	16.500	16.500	16.400	16.500	16.400	16.500	16.400	16.600
FINAL		13.800	13.900	14.300	13.900	13.800	13.700	13.600	13.800	13.600	13.600
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	-0.100
3	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.100	0.0	0.0
5	0130	0.0	0.0	0.0	-0.100	0.0	-0.100	0.0	-0.100	0.0	-0.100
6	11 0	0.0	0.0	0.0	0.0	0.100	0.0	0.0	0.0	0.0	0.0
7	1130	0.0	0.100	0.100	-0.100	0.0	0.0	0.0	-0.100	0.0	0.0
8	21 0	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	2130	0.0	0.100	0.100	-0.100	0.0	0.0	0.100	-0.100	0.0	0.0
10	31 0	0.0	0.100	0.100	-0.100	0.0	0.0	0.0	-0.100	0.0	0.0
11	3130	0.0	0.100	0.0	0.0	0.0	0.0	0.100	-0.100	0.0	0.0
12	41 0	0.100	0.100	0.0	0.0	0.0	0.0	0.100	-0.100	0.0	0.0
13	4130	0.500	0.600	0.100	0.100	0.100	0.100	0.100	0.0	0.0	0.0
14	51 0	1.400	1.500	0.600	0.500	0.600	0.600	0.600	0.0	0.100	0.100
15	5130	2.200	2.200	1.300	1.200	1.300	1.500	1.400	0.600	0.800	0.700
16	61 0	2.700	2.800	1.700	1.700	1.900	2.000	1.900	1.100	1.400	1.400
17	6130	3.200	3.200	2.200	2.200	2.300	2.400	2.400	1.400	1.800	1.700
18	71 0	3.600	3.600	2.500	2.500	2.700	2.700	2.700	1.700	2.100	2.000
19	7130	4.100	4.000	2.900	2.900	3.000	3.100	3.000	2.100	2.400	2.500
20	81 0	4.600	4.600	3.400	3.400	3.500	3.500	3.400	2.300	2.700	2.700
21	8130	5.000	4.800	3.800	3.800	3.900	4.000	3.800	2.700	3.200	3.000
22	91 0	5.200	5.200	4.000	4.300	4.200	4.200	4.100	3.000	3.500	3.400
23	9130	5.400	5.400	4.200	4.400	4.400	4.400	4.300	3.200	3.600	3.600
24	101 0	5.800	5.500	4.530	4.500	4.600	4.500	4.400	3.330	3.700	3.700
25	10130	5.700	5.700	4.500	4.800	4.800	4.700	4.700	3.500	3.900	3.900
26	111 0	5.900	5.900	4.700	4.900	4.900	4.900	4.800	3.600	4.100	4.000
27	11130	6.100	6.000	5.000	5.000	5.000	5.000	4.900	3.800	4.200	4.100
28	121 0	6.100	6.000	5.000	5.100	5.100	5.000	5.000	3.900	4.200	4.100
29	12130	6.100	6.000	4.900	5.100	5.100	5.100	5.000	3.900	4.400	4.100
30	131 0	6.100	6.200	4.900	5.200	5.200	5.100	5.100	3.900	4.300	4.200
31	13130	6.200	6.100	5.000	5.200	5.200	5.200	5.100	4.000	4.400	4.100
32	141 0	6.300	6.200	5.100	5.200	5.200	5.100	5.100	4.100	4.400	4.300
33	14130	6.300	6.200	5.200	5.100	5.300	5.100	5.100	4.000	4.400	4.300
34	151 0	6.100	6.100	4.900	5.100	5.200	5.000	5.000	4.100	4.400	4.300
35	15130	6.100	6.000	4.900	5.100	5.100	5.000	4.900	4.000	4.400	4.300
36	161 0	5.900	5.800	4.800	4.900	5.000	4.900	4.800	3.900	4.200	4.100
37	16130	5.700	5.600	4.600	4.800	4.900	4.800	4.600	3.900	4.200	4.100
38	171 0	5.600	5.500	4.600	4.700	4.800	4.600	4.600	3.700	4.100	4.000
39	17130	5.400	5.400	4.500	4.700	4.700	4.500	4.400	3.700	4.000	4.000
40	181 0	5.200	5.200	4.300	4.400	4.500	4.300	4.300	3.500	3.900	3.700
41	18130	5.000	5.000	4.100	4.200	4.300	4.200	4.200	3.500	3.700	3.600
42	191 0	4.800	4.900	3.900	4.100	4.200	4.000	4.100	3.300	3.600	3.500
43	19130	4.600	4.600	3.800	3.800	4.000	3.900	3.900	3.200	3.500	3.400
44	441 0	-2.700	-2.500	-2.200	-2.600	-2.400	-2.800	-2.600	-2.700	-2.400	-2.000

TITLE = CASE 7 DATE 85/10/29 TIME 151 0118

CH. INDEX		171 T=134	172 T=141	173 T=151	201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31
INITIAL		16.800	13.300	16.900	0.150	0.158	0.154	0.154	0.163	0.167	0.157
FINAL		15.600	14.500	14.200	0.125	0.132	0.134	0.149	0.156	0.155	0.136
LOOP	TIME	(C)	(C)	(C)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	0.0	0.0	0.0	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	-0.100	0.0	0.0	100.070	99.437	100.086	99.960	100.074	99.960	100.070
3	01 0	0.100	0.0	0.0	100.113	100.097	100.019	100.025	100.006	99.988	100.061
4	01 0	0.100	0.0	0.0	100.173	100.070	100.050	100.031	100.012	99.986	100.089
5	0130	-0.100	0.0	0.0	73.076	72.612	92.512	92.777	95.562	99.951	100.128
6	11 0	0.0	0.100	0.0	69.027	69.163	85.709	88.567	98.329	99.966	77.768
7	1130	0.0	0.100	0.0	77.993	76.619	86.905	75.460	98.206	99.957	75.560
8	21 0	0.100	0.0	0.0	82.518	81.197	89.119	76.388	95.361	99.887	79.517
9	2130	0.0	0.0	0.0	86.200	85.676	93.297	82.390	90.569	99.887	83.606
10	31 0	0.100	-0.100	0.0	86.764	86.636	92.220	87.117	76.333	99.618	86.893
11	3130	0.100	-0.100	-0.100	87.096	86.129	93.161	87.675	75.917	96.111	86.975
12	41 0	0.100	-0.100	-0.100	91.349	90.727	95.270	87.705	78.622	75.365	87.778
13	4130	0.100	-0.200	0.0	86.571	85.255	93.978	87.908	78.985	73.092	88.169
14	51 0	0.200	-0.300	-0.100	81.203	80.665	91.889	86.863	81.306	77.906	89.611
15	5130	0.800	-0.300	-0.100	85.150	79.556	89.832	81.386	83.925	76.886	83.286
16	61 0	1.400	-0.300	-0.100	85.143	82.616	91.582	85.559	81.808	78.560	87.767
17	6130	1.800	-0.300	-0.100	83.236	82.335	91.318	86.212	77.862	80.150	86.178
18	71 0	2.100	-0.300	-0.100	82.711	80.956	91.326	86.551	78.628	76.915	85.993
19	7130	2.600	-0.300	-0.100	85.205	81.155	92.097	85.582	78.751	73.330	85.901
20	81 0	2.700	-0.300	-0.100	81.580	78.206	89.981	82.866	77.320	73.475	87.866
21	8130	3.100	-0.300	-0.100	85.900	82.861	91.272	81.890	76.570	76.681	80.967
22	91 0	3.500	-0.100	-0.100	88.671	86.950	96.400	86.187	76.619	76.502	85.787
23	9130	3.600	-0.100	-0.100	87.720	85.305	96.095	87.692	76.653	73.617	88.099
24	101 0	3.700	-0.300	-0.100	87.455	85.706	96.757	88.090	78.698	75.062	88.807
25	10130	3.900	-0.400	-0.100	87.223	85.887	96.579	88.203	78.813	76.967	88.814
26	111 0	3.900	-0.400	-0.100	88.619	86.896	96.522	85.966	80.687	78.515	87.767
27	11130	4.100	-0.400	-0.100	85.993	84.051	93.739	89.880	82.517	87.069	88.292
28	121 0	4.100	-0.500	-0.100	85.728	81.806	93.719	89.188	86.797	85.527	88.777
29	12130	4.300	-0.500	-0.100	88.126	85.680	96.608	90.887	86.521	86.028	88.500
30	131 0	4.300	-0.500	-0.100	85.129	86.565	93.965	89.665	86.291	86.523	88.299
31	13130	4.500	-0.500	-0.100	86.558	86.292	95.816	89.667	86.770	86.888	88.290
32	141 0	4.500	-0.600	-0.100	86.612	86.197	95.836	89.778	87.581	85.166	88.072
33	14130	4.700	-0.600	-0.100	85.900	83.538	93.369	90.612	88.186	86.111	87.735
34	151 0	4.500	-0.500	-0.200	83.109	82.582	93.005	89.677	88.776	86.690	87.609
35	15130	4.230	-0.500	-0.100	82.950	82.227	92.707	89.202	89.015	87.016	86.822
36	161 0	4.000	-0.500	-0.100	81.818	81.675	91.727	88.786	89.167	87.006	86.161
37	16130	4.000	-0.500	-0.100	80.518	80.836	91.518	86.668	89.570	87.661	85.359
38	171 0	4.000	-0.500	-0.100	79.821	79.909	91.309	87.551	89.156	87.265	86.791
39	17130	3.900	-0.400	-0.100	76.329	76.768	90.990	87.966	88.125	87.270	86.617
40	181 0	3.800	-0.400	-0.100	79.462	76.655	91.038	87.701	87.975	86.989	86.385
41	18130	3.600	-0.400	-0.100	78.797	76.795	90.611	88.717	87.819	86.882	85.802
42	191 0	3.500	-0.400	-0.100	78.657	79.376	90.371	88.090	87.975	86.865	81.977
43	19130	3.300	-0.400	-0.200	78.518	79.311	89.866	87.606	87.666	86.006	81.286
44	441 0	-2.900	5.200	1.300	82.957	83.701	90.215	93.831	95.950	95.893	86.528

TITLE = CASE 7   DATE 05/10/29   TIME 15:01:10

CH. INDEX		208 S= 32	209 S= 33	210 S= 34	211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 45	217 S= 51
INITIAL		0.154	0.152	0.156	0.162	0.152	0.155	0.153	0.165	0.163	0.155
FINAL		0.130	0.136	0.145	0.154	0.130	0.130	0.141	0.130	0.154	0.163
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	99.993	100.095	99.996	100.040	100.007	100.066	100.007	100.060	99.816	100.050
3	0: 0	100.033	100.026	100.051	100.019	100.000	100.069	100.033	100.007	99.877	100.080
4	0: 0	100.000	100.093	100.070	100.037	100.092	100.066	100.046	100.016	99.908	100.019
5	0:30	100.000	100.112	100.058	100.000	100.099	100.109	100.059	100.068	99.681	100.092
6	1: 0	98.096	84.085	99.316	99.703	81.407	80.058	99.620	98.079	99.775	100.090
7	1:30	58.567	73.941	77.749	99.827	76.931	73.279	89.225	97.752	98.490	86.066
8	2: 0	66.976	82.036	71.116	99.827	76.067	76.889	81.726	79.565	87.281	79.841
9	2:30	75.922	86.066	70.791	99.147	85.503	79.320	86.085	73.908	79.242	82.495
10	3: 0	75.272	88.343	80.294	83.210	85.029	81.766	87.697	72.111	72.339	86.124
11	3:30	74.110	89.057	86.804	74.754	87.424	86.808	88.786	78.052	72.179	86.379
12	4: 0	81.790	90.307	86.034	76.154	89.206	86.653	90.266	81.862	77.943	88.652
13	4:30	81.026	90.116	81.993	78.167	91.221	88.803	92.110	81.865	79.066	88.601
14	5: 0	77.051	88.271	85.027	81.708	87.970	85.468	90.310	82.219	83.966	90.208
15	5:30	73.314	85.572	82.516	80.883	85.205	82.178	87.927	83.862	82.770	88.098
16	6: 0	71.175	85.335	77.251	82.615	81.796	80.407	85.980	81.556	80.326	86.370
17	6:30	74.272	86.031	74.104	80.429	84.966	80.819	86.754	79.420	73.896	85.777
18	7: 0	79.139	87.135	81.392	76.010	85.566	82.525	86.038	80.260	76.228	85.915
19	7:30	75.691	85.698	80.476	77.561	85.086	81.708	87.021	80.394	78.501	86.140
20	8: 0	73.761	85.086	80.312	78.029	86.888	81.307	86.971	80.332	76.351	86.157
21	8:30	71.175	85.050	79.801	78.277	83.812	79.958	85.654	79.661	76.755	86.725
22	9: 0	76.910	88.126	85.949	77.751	86.091	81.257	88.676	78.916	75.999	83.113
23	9:30	82.013	89.340	80.312	76.097	89.210	86.775	90.606	81.580	75.456	86.065
24	10: 0	83.076	89.401	86.806	77.526	89.863	86.929	90.686	85.389	88.099	88.510
25	10:30	86.179	91.226	88.968	81.730	90.235	86.967	90.801	87.006	86.540	89.006
26	11: 0	82.880	90.701	86.760	85.233	90.618	87.967	91.935	87.903	86.369	89.670
27	11:30	81.147	90.236	86.562	87.026	90.196	87.726	91.030	88.925	86.892	89.686
28	12: 0	81.769	90.970	90.102	87.620	89.738	86.871	90.814	88.933	87.100	88.962
29	12:30	86.690	90.865	90.022	88.006	90.166	87.250	90.958	88.968	87.492	88.710
30	13: 0	86.083	90.852	89.207	86.216	90.691	88.170	91.763	90.169	87.608	88.794
31	13:30	83.916	90.556	89.009	88.775	90.057	88.425	92.097	91.226	88.068	88.796
32	14: 0	86.166	90.820	89.626	89.306	90.507	88.370	91.750	90.088	88.791	89.050
33	14:30	83.668	89.808	89.795	89.906	90.377	87.955	91.852	91.171	88.626	88.671
34	15: 0	83.595	88.709	90.178	90.451	90.489	87.921	91.993	91.185	88.920	88.149
35	15:30	83.007	89.965	90.261	90.576	89.086	87.360	91.311	90.929	86.214	88.085
36	16: 0	82.141	89.197	88.810	90.176	89.711	87.193	91.233	90.929	89.026	87.415
37	16:30	80.901	88.865	88.306	90.376	89.072	86.616	90.816	90.736	89.056	87.267
38	17: 0	80.495	88.131	88.408	90.476	88.861	86.189	90.475	90.316	88.711	87.029
39	17:30	80.266	88.015	88.383	90.339	88.703	85.906	90.192	90.135	89.183	86.787
40	18: 0	80.346	88.008	89.089	90.366	88.367	85.745	90.139	89.940	89.091	86.771
41	18:30	79.678	87.885	87.429	89.980	88.103	85.507	90.215	89.879	88.667	86.501
42	19: 0	78.300	87.605	87.399	90.030	88.070	85.242	89.816	89.727	88.775	86.057
43	19:30	79.663	86.986	87.997	89.838	87.925	85.186	89.635	89.916	88.950	86.100
44	44: 0	87.110	89.514	91.514	95.303	91.056	89.176	92.470	95.040	96.610	92.265

TITLE = CASE 7   DATE 05/10/29   TIME 15:01:10

CH. INDEX		218 S= 52	219 S= 53	220 S= 54	221 S= 61	222 S= 62	223 S= 63	224 S= 64	225 S= 71	226 S= 72	227 S= 81
INITIAL		0.154	0.164	0.155	0.152	0.160	0.151	0.157	0.156	0.156	0.154
FINAL		0.142	0.154	0.145	0.144	0.153	0.144	0.151	0.150	0.142	0.149
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	99.851	100.018	99.890	100.020	99.907	99.908	99.968	100.006	100.013	99.968
3	0: 0	99.961	99.968	99.960	100.020	100.011	99.960	100.000	100.015	100.019	99.929
4	0: 0	99.901	100.008	100.050	100.040	100.031	100.040	100.019	100.045	100.010	99.042
5	0:30	99.756	99.982	99.761	100.006	100.014	99.808	99.962	100.000	100.076	99.016
6	1: 0	95.874	100.006	99.054	100.006	100.019	99.835	99.968	100.019	100.058	99.035
7	1:30	87.517	93.015	93.025	100.125	100.013	99.990	99.876	99.955	100.051	99.035
8	2: 0	76.861	80.889	82.208	90.075	90.756	86.733	95.633	99.906	100.051	99.062
9	2:30	76.025	80.510	81.818	81.369	81.650	81.911	91.233	91.855	96.666	99.068
10	3: 0	77.063	80.212	81.796	79.761	81.732	79.737	88.858	85.250	82.824	97.001
11	3:30	79.560	80.336	85.689	81.817	83.125	81.081	90.881	82.900	78.270	88.563
12	4: 0	81.055	88.590	86.092	85.880	86.600	85.199	91.696	82.400	78.125	85.853
13	4:30	83.020	90.663	87.887	86.757	85.760	86.331	91.760	86.075	80.473	86.755
14	5: 0	85.720	91.211	88.280	85.963	88.251	86.882	92.121	85.558	81.885	85.357
15	5:30	86.650	90.810	87.519	86.727	87.686	85.716	92.905	86.677	82.700	86.290
16	6: 0	88.608	88.076	85.066	86.075	87.600	85.085	92.282	86.997	81.746	86.757
17	6:30	78.278	87.010	85.090	83.373	86.767	82.571	90.065	86.869	80.076	88.266
18	7: 0	80.311	87.530	83.671	81.165	87.186	80.921	88.771	85.199	81.572	88.143
19	7:30	80.506	87.560	86.143	81.079	87.140	81.027	88.771	81.375	79.770	85.916
20	8: 0	78.706	87.269	83.569	80.816	82.867	81.517	88.650	81.856	78.166	86.032
21	8:30	78.796	86.806	82.575	80.987	82.756	81.250	89.661	82.196	78.668	85.855
22	9: 0	76.827	86.108	82.057	80.728	82.302	80.678	89.106	82.091	78.511	85.576
23	9:30	76.911	85.762	81.366	79.313	81.807	80.081	88.716	82.106	78.256	85.673
24	10: 0	84.294	86.867	85.660	80.366	81.869	79.856	88.617	80.999	77.108	85.376
25	10:30	85.680	89.140	86.067	81.898	86.871	85.755	90.107	80.929	76.550	87.556
26	11: 0	86.271	89.962	86.699	85.867	86.716	85.206	90.875	85.761	79.661	87.667
27	11:30	86.212	90.181	87.629	86.092	87.936	86.972	91.552	86.901	82.006	86.159
28	12: 0	86.187	90.175	87.552	87.182	88.682	87.257	91.710	87.185	86.606	85.530
29	12:30	86.534	90.099	87.610	87.608	88.552	87.061	91.818	87.653	85.673	89.177
30	13: 0	86.186	90.023	87.108	87.617	89.108	88.016	91.875	88.506	86.383	89.567
31	13:30	86.191	90.056	87.106	87.098	89.863	87.998	91.776	88.608	86.652	90.441
32	14: 0	86.679	90.016	87.668	88.188	89.555	86.680	91.685	89.071	86.665	90.532
33	14:30	86.268	89.931	87.003	88.155	88.716	86.596	91.685	89.209	87.636	90.506
34	15: 0	86.362	89.806	87.115	88.345	89.735	88.706	91.687	89.560	87.871	89.657
35	15:30	86.225	89.712	87.009	88.526	89.666	88.665	91.926	89.750	88.128	90.551
36	16: 0	85.921	89.567	86.706	88.876	89.136	88.965	91.596	89.555	88.526	91.043
37	16:30	85.351	89.401	86.273	88.836	89.942	88.751	91.575	89.951	88.861	91.218
38	17: 0	85.091	89.145	86.202	88.922	89.598	88.667	91.322	89.720	88.105	91.192
39	17:30	85.403	89.017	86.220	88.716	89.786	89.661	91.335	90.297	88.911	91.555
40	18: 0	85.565	89.024	86.092	88.953	89.856	89.209	91.143	90.652	89.131	91.704
41	18:30	85.139	88.690	85.875	88.568	89.779	89.037	90.960	90.516	89.216	91.672
42	19: 0	86.462	88.511	85.619	88.619	89.010	88.660	90.669	90.367	88.910	91.951
43	19:30	86.690	88.285	85.511	88.362	88.706	88.753	90.850	90.606	89.062	91.908
44	44: 0	92.254	96.908	91.711	96.978	95.765	95.267	96.135	96.025	97.188	96.516

TITLE = CASE 7   DATE 05/10/29   TIME 15:01:10

CH. INDEX		228 S= 82	229 S= 83	230 S= 91	231 S= 92	232 S=101	233 S=102	234 S=103	235 S=111	236 S=112	237 S=121
INITIAL		0.157	0.156	0.157	0.156	0.149	0.157	0.160	0.157	0.155	0.161
FINAL		0.153	0.154	0.154	0.154	0.147	0.155	0.159	0.155	0.155	0.160
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	99.791	99.987	99.987	100.000	99.971	99.981	99.994	99.981	99.994	100.000
3	0: 0	99.509	100.000	100.006	100.019	100.027	99.994	99.987	99.994	99.987	99.994
4	0: 0	99.522	100.006	100.013	100.019	99.993	100.006	100.006	100.006	100.013	100.006
5	0:30	99.685	99.987	99.975	100.013	99.953	99.981	99.981	99.987	99.987	100.006
6	1: 0	99.509	100.000	100.000	100.032	99.966	100.000	99.994	100.013	100.000	100.012
7	1:30	99.440	99.994	99.955	99.987	99.966	99.975	99.975	99.987	99.994	100.019
8	2: 0	99.446	99.987	99.969	100.000	100.013	99.975	99.969	99.975	99.994	100.031
9	2:30	99.562	99.994	99.968	100.000	99.980	99.994	99.981	100.013	100.000	100.037
10	3: 0	96.702	98.396	99.962	100.000	100.007	99.987	99.981	100.000	100.000	100.037
11	3:30	88.456	98.315	99.136	99.731	100.008	99.017	99.950	100.000	100.013	100.050
12	4: 0	85.660	87.744	95.967	98.852	97.711	97.875	98.836	99.967	99.910	100.056
13	4:30	85.015	86.667	92.768	96.532	91.228	89.053	90.549	95.955	95.122	99.560
14	5: 0	85.940	87.558	92.563	96.349	88.368	85.927	87.412	90.537	88.581	96.048
15	5:30	86.903	88.786	92.456	96.668	87.166	85.192	87.251	88.217	85.793	91.566
16	6: 0	87.050	88.950	91.260	90.557	87.608	85.890	87.498	87.766	86.827	89.791
17	6:30	88.571	89.715	91.271	90.711	88.248	86.798	88.838	88.276	85.050	89.107
18	7: 0	89.085	90.129	91.861	90.878	88.516	87.129	89.651	88.676	86.728	89.495
19	7:30	87.127	89.106	94.028	89.087	89.565	88.082	90.176	89.313	88.921	90.357
20	8: 0	85.175	88.940	93.099	90.001	89.618	88.145	90.145	90.122	88.391	90.487
21	8:30	86.316	88.711	92.578	90.577	88.586	86.855	89.213	89.727	88.130	90.875
22	9: 0	86.122	86.931	91.920	88.597	87.312	85.255	87.312	88.657	86.599	90.823
23	9:30	86.622	86.686	91.511	89.865	86.176	83.155	86.368	87.185	85.282	89.098
24	10: 0	86.282	86.253	91.692	90.391	85.876	83.966	86.199	85.936	83.366	88.096
25	10:30	86.033	85.388	91.387	90.301	85.761	81.877	86.276	85.821	81.868	87.586
26	11: 0	85.810	85.600	91.190	90.250	85.232	83.960	86.031	85.860	83.676	87.621
27	11:30	86.900	86.462	90.970	90.121	86.826	83.249	85.937	86.066	83.867	87.813
28	12: 0	88.578	86.172	91.176	89.269	86.451	83.052	86.876	85.305	87.727	87.866
29	12:30	89.066	86.829	92.027	88.680	85.856	83.719	86.668	85.196	87.869	86.975
30	13: 0	90.091	90.816	93.360	88.551	87.508	85.776	87.863	86.299	81.366	86.869
31	13:30	90.227	91.225	93.767	88.692	88.967	87.071	89.682	88.019	85.016	88.311
32	14: 0	90.565	91.611	94.209	89.698	90.300	88.926	90.520	89.842	87.153	89.962
33	14:30	91.026	91.956	94.366	90.692	90.879	89.319	91.616	90.665	88.890	91.166
34	15: 0	90.929	91.972	94.365	90.724	91.378	90.107	91.766	91.162	89.910	91.991
35	15:30	91.127	92.272	94.565	90.785	91.768	90.500	91.768	91.673	90.269	92.166
36	16: 0	91.369	92.321	94.869	90.692	91.970	90.792	92.615	91.575	90.626	92.738
37	16:30	91.659	92.561	95.019	90.661	92.400	91.027	92.515	92.269	91.120	93.117
38	17: 0	91.592	92.626	95.679	90.679	92.737	91.256	92.665	92.601	91.367	93.037
39	17:30	91.655	92.868	95.391	90.675	92.932	91.821	92.860	91.118	91.296	93.510
40	18: 0	91.867	93.059	95.365	90.660	93.506	91.999	93.222	91.219	91.936	93.783
41	18:30	92.026	93.072	95.571	90.622	93.880	92.605	93.665	93.676	92.307	94.080
42	19: 0	92.167	93.036	95.282	90.532	93.816	92.669	93.372	93.857	92.618	94.629
43	19:30	92.296	93.072	95.526	90.557	94.205	92.566	93.336	93.916	92.778	94.560
44	44: 0	97.305	98.571	97.926	98.801	98.042	98.666	99.456	98.962	99.001	99.686

TITLE = CASE 7   DATE 05/10/29   TIME 15:01:10

CH. INDEX		238 S=122	239 S=123	240 S=131
INITIAL		0.156	0.158	0.169
FINAL		0.156	0.158	0.170
LOOP	TIME	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000
2	0: 0	100.006	100.006	100.107
3	0: 0	100.000	99.981	100.202
4	0: 0	100.013	100.013	100.366
5	0:30	100.000	99.987	100.445
6	1: 0	100.006	100.000	100.528
7	1:30	99.968	99.962	100.593
8	2: 0	99.968	99.956	100.608
9	2:30	99.987	99.962	100.709
10	3: 0	99.955	99.987	100.896
11	3:30	99.996	99.968	100.919
12	4: 0	100.026	100.000	100.990
13	4:30	99.669	99.735	101.038
14	5: 0	98.965	98.260	101.159
15	5:30	97.600	95.918	101.198
16	6: 0	91.176	95.549	101.261
17	6:30	90.617	95.216	101.275
18	7: 0	91.342	95.760	101.459
19	7:30	92.097	95.962	101.556
20	8: 0	92.619	95.837	101.571
21	8:30	92.776	96.297	101.625
22	9: 0	92.512	96.176	101.657
23	9:30	92.001	95.376	101.696
24	10: 0	90.268	95.505	101.720
25	10:30	90.366	96.737	101.738
26	11: 0	89.495	96.698	101.767
27	11:30	89.808	96.816	101.815
28	12: 0	89.092	96.751	101.838
29	12:30	89.667	96.117	101.832
30	13: 0	89.388	96.230	101.876
31	13:30	90.965	96.680	101.876
32	14: 0	91.713	95.532	101.906
33	14:30	92.665	95.821	101.868
34	15: 0	93.766	96.145	101.898
35	15:30	94.028	96.341	101.964
36	16: 0	94.667	96.966	101.969
37	16:30	94.356	96.556	101.959
38	17: 0	94.764	96.882	101.957
39	17:30	94.712	96.802	101.965
40	18: 0	94.976	96.872	102.010
41	18:30	95.280	96.960	102.036
42	19: 0	95.511	96.973	102.058
43	19:30	95.517	97.116	102.026
44	44: 0	99.842	99.941	101.965

実験No.25 TITLE = CASE 0 (A) DATE 85/10/29 TIME 17: 2159

CH. INDEX		101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		22.700	20.800	20.500	20.200	20.100	20.000	19.700	19.600	19.700	20.300
FINAL		37.900	20.300	20.100	19.100	20.000	18.800	18.800	18.600	19.000	19.500
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	-0.200	-0.200	-0.100	-0.100	0.0	0.200	0.100	0.100	-0.100
3	01 0	0.0	-0.300	-0.400	-0.200	-0.200	-0.100	0.300	0.0	0.200	-0.300
4	01 0	62.500	20.700	19.400	7.500	1.900	0.100	0.100	0.100	0.300	-0.100
5	0130	99.000	48.600	45.100	33.100	5.800	0.800	0.500	0.300	0.400	16.700
6	11 0	120.600	51.100	51.800	45.400	15.700	1.200	0.600	0.500	0.600	39.500
7	1130	133.600	59.000	58.400	53.600	25.700	1.700	1.100	0.600	0.700	45.200
8	21 0	146.400	65.100	62.500	59.000	35.100	3.800	1.400	0.800	0.900	51.100
9	2130	160.000	75.500	72.200	65.000	41.100	5.400	1.500	1.000	1.000	55.500
10	31 0	171.900	78.600	76.800	70.300	47.800	6.000	2.100	1.400	1.300	60.400
11	3130	173.200	88.200	87.100	82.700	50.600	26.900	3.800	1.900	1.400	68.000
12	41 0	185.000	90.900	96.000	87.400	65.000	36.600	6.600	2.700	1.900	75.400
13	4130	195.700	104.100	99.600	90.200	65.700	39.000	12.100	4.100	3.700	79.600
14	51 0	203.100	109.800	104.400	95.100	68.800	36.300	16.900	10.900	5.400	84.100
15	5130	207.600	108.400	108.100	100.700	70.200	40.400	20.300	13.300	7.700	86.800
16	61 0	201.900	106.800	107.300	102.200	79.300	44.600	22.100	15.400	8.500	87.400
17	6130	202.800	109.400	109.200	104.600	81.400	47.900	24.300	18.300	12.300	88.800
18	71 0	207.300	110.900	111.000	108.700	84.600	49.600	25.900	20.000	14.200	90.900
19	7130	215.800	112.700	113.700	109.000	84.400	50.600	26.600	22.000	16.000	92.500
20	81 0	219.700	114.800	115.000	111.200	85.100	51.000	27.400	23.500	17.100	94.700
21	8130	220.100	117.700	115.900	108.600	83.900	51.500	29.400	25.600	18.000	94.100
22	91 0	225.000	117.600	116.900	110.400	86.000	52.500	31.200	27.800	19.400	97.400
23	9130	211.000	120.200	118.900	111.000	85.100	54.000	32.400	29.200	20.400	96.800
24	101 0	215.300	123.900	122.200	113.300	82.300	54.400	32.700	29.900	21.100	99.000
25	10130	212.000	121.000	121.600	115.300	81.300	55.300	35.800	30.400	22.000	99.400
26	111 0	213.000	119.800	120.100	112.500	83.000	55.600	36.300	30.900	22.400	99.600
27	11130	242.700	122.900	122.600	112.900	83.000	55.300	36.200	31.900	22.700	98.100
28	121 0	236.000	119.800	118.200	118.400	82.900	56.400	35.900	33.000	23.300	99.300
29	12130	231.000	118.100	116.200	108.700	81.800	52.600	36.200	33.700	23.500	99.800
30	131 0	216.200	112.100	110.700	104.400	81.000	52.600	36.700	32.000	23.900	92.300
31	13130	211.600	107.700	107.000	102.200	76.200	54.600	36.000	32.000	23.000	89.300
32	141 0	192.500	105.000	101.900	98.000	77.100	54.000	36.700	31.500	26.400	89.500
33	14130	174.000	95.600	93.600	90.300	74.300	52.200	36.200	31.100	26.400	79.900
34	151 0	157.000	86.800	86.600	85.900	72.900	51.000	35.100	29.100	26.800	72.900
35	15130	145.300	80.500	79.900	77.600	68.000	50.500	33.900	27.800	26.700	67.900
36	161 0	134.300	74.000	73.700	71.000	64.200	49.100	33.600	27.700	26.700	62.900
37	16130	125.800	67.400	66.400	65.000	61.900	45.900	32.800	27.400	26.500	57.900
38	171 0	119.500	61.900	60.700	59.600	55.800	43.600	31.100	26.600	23.000	52.800
39	17130	105.500	56.100	55.600	54.200	51.100	40.000	29.900	26.000	21.700	47.900
40	181 0	93.700	50.300	50.000	49.200	46.000	37.500	29.700	24.500	20.700	43.200
41	18130	79.600	44.100	43.700	43.100	41.500	34.300	28.200	22.500	19.400	38.900
42	191 0	69.000	37.500	36.600	36.700	37.800	30.200	25.700	21.300	17.500	34.500
43	19130	67.200	32.500	31.000	31.600	32.700	26.800	23.300	18.900	15.600	30.700
44	39121	15.200	-0.500	-0.600	-1.100	-0.100	-1.200	-0.900	-1.000	-0.200	-0.800

TITLE = CASE 0 DATE 85/10/29 TIME 17: 2159

CH. INDEX		111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		23.100	20.200	20.000	19.600	19.500	19.600	19.100	20.300	20.000	20.300
FINAL		31.500	19.600	19.000	18.600	18.500	18.800	18.300	23.100	22.330	22.300
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	0.200	0.200	0.0	0.0	0.0	0.0	0.0
3	01 0	0.0	0.0	0.0	0.300	0.300	0.100	0.100	0.0	0.0	0.0
4	01 0	0.0	-0.100	0.0	0.300	0.200	0.100	0.100	0.100	0.0	0.100
5	0130	0.800	14.600	18.600	0.800	0.500	0.100	0.300	4.500	5.500	2.100
6	11 0	3.200	27.600	29.400	1.000	0.600	0.500	0.400	14.600	17.700	8.600
7	1130	6.200	34.900	28.800	1.000	1.100	0.700	0.600	20.300	26.900	13.100
8	21 0	9.300	42.100	35.000	4.100	1.800	0.900	0.700	25.600	30.100	17.700
9	2130	12.100	48.500	41.900	8.500	1.800	1.100	0.900	30.000	34.300	21.500
10	31 0	14.600	54.000	47.100	10.300	2.600	1.400	1.100	33.900	38.400	25.000
11	3130	17.300	61.100	52.700	27.600	10.200	1.700	1.300	37.000	42.400	28.700
12	41 0	19.900	66.800	58.100	31.400	16.400	5.200	1.700	45.300	48.500	33.900
13	4130	22.600	71.600	67.700	34.200	21.400	5.300	2.000	48.700	53.500	37.900
14	51 0	25.100	75.200	67.400	38.000	26.300	8.300	2.500	51.900	56.900	41.400
15	5130	27.500	76.700	68.600	40.900	29.100	11.600	3.700	55.300	60.100	44.900
16	61 0	29.400	80.900	71.000	40.600	30.800	14.500	6.100	57.600	61.900	47.200
17	6130	31.000	82.900	74.300	42.600	32.700	17.100	9.200	60.800	65.000	50.300
18	71 0	32.600	85.600	76.600	45.300	34.100	19.200	11.800	65.000	66.000	52.700
19	7130	33.700	86.600	78.600	47.500	35.800	21.100	13.700	66.000	68.600	55.000
20	81 0	34.800	87.200	79.100	48.600	36.900	23.000	15.300	66.600	70.600	57.200
21	8130	35.900	87.000	79.600	50.300	38.800	24.700	16.900	67.000	71.600	58.500
22	91 0	36.900	88.900	79.800	50.800	39.600	26.500	18.300	68.900	72.000	59.900
23	9130	38.000	90.200	82.100	52.500	41.600	28.600	19.900	70.200	73.100	61.100
24	101 0	38.800	92.600	83.100	52.700	41.900	29.900	20.900	71.600	74.100	62.600
25	10130	39.700	92.700	83.600	52.900	42.300	30.700	22.800	72.100	74.900	63.700
26	111 0	40.500	92.600	84.100	54.100	43.300	31.600	23.100	72.900	75.700	64.800
27	11130	41.600	91.100	83.000	54.100	43.500	32.500	24.000	73.200	76.000	65.000
28	121 0	42.100	92.300	83.100	54.100	43.800	32.700	24.500	73.600	76.100	66.100
29	12130	42.000	90.200	82.000	54.100	43.700	33.200	25.100	73.200	75.300	66.000
30	131 0	43.200	87.900	79.900	53.900	43.900	33.500	25.600	71.600	73.600	65.900
31	13130	43.000	85.200	78.200	53.100	43.600	33.600	26.600	70.200	71.600	64.600
32	141 0	42.600	82.300	75.700	52.100	42.700	33.600	26.800	68.500	69.600	63.100
33	14130	42.200	76.700	71.300	50.600	42.900	33.900	26.900	66.300	66.900	61.600
34	151 0	41.300	71.100	66.900	49.800	41.600	32.800	26.600	63.600	63.300	59.100
35	15130	40.000	66.200	63.000	46.600	40.100	32.300	26.500	59.900	59.500	56.900
36	161 0	38.600	61.300	59.200	44.900	38.600	32.000	26.100	56.600	55.900	54.100
37	16130	37.000	56.500	54.600	42.700	36.800	31.000	25.500	53.300	52.600	51.500
38	171 0	35.500	51.700	50.200	41.100	34.900	29.900	26.000	50.000	48.600	48.300
39	17130	33.900	46.700	45.000	38.600	33.100	28.000	24.000	46.400	44.700	45.000
40	181 0	32.200	41.900	40.600	35.900	31.000	28.300	23.000	42.900	41.700	43.600
41	18130	30.600	38.200	37.100	33.800	30.900	27.800	22.300	38.600	38.300	41.100
42	191 0	29.000	34.000	33.400	30.200	27.700	26.500	21.400	36.600	35.400	38.900
43	19130	27.600	30.200	29.300	28.000	26.300	26.400	18.900	33.600	37.700	36.700
44	39121	0.400	-0.600	-0.200	-1.200	-1.000	-0.800	-0.800	2.000	2.300	2.000

TITLE = CASE 0 DATE 85/10/29 TIME 17: 2159

CH. INDEX		121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 41	126 T= 42	127 T= 43	128 T= 44	129 T= 45	130 T= 46
INITIAL		19.300	19.600	16.700	18.700	19.300	19.300	19.000	18.600	18.700	18.700
FINAL		18.500	21.200	20.700	17.900	19.500	19.400	18.500	17.000	17.400	17.000
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.100	0.100	0.0	0.100	0.200	0.200	0.100	0.300	0.200	0.100
3	01 0	0.100	0.100	0.0	0.200	0.300	0.300	0.400	0.500	0.400	0.300
4	01 0	0.100	0.200	0.0	0.200	0.400	0.400	0.500	0.600	0.500	0.400
5	0130	0.200	1.000	0.0	0.200	0.500	0.500	0.500	0.600	0.900	0.400
6	11 0	0.800	3.300	0.400	0.300	0.200	7.200	12.500	8.700	5.300	1.000
7	1130	1.300	6.400	0.600	0.400	14.700	13.300	20.300	16.500	11.600	2.400
8	21 0	1.800	9.900	0.900	0.500	19.400	18.000	24.400	21.800	17.000	6.400
9	2130	4.100	13.000	2.100	0.600	23.400	22.200	28.500	25.700	21.000	10.600
10	31 0	8.300	16.400	4.500	0.800	27.300	26.200	31.800	29.100	24.300	14.200
11	3130	11.900	18.400	7.100	1.200	30.900	29.800	35.100	32.600	27.100	17.400
12	41 0	15.800	22.600	10.100	2.200	35.800	34.100	39.600	36.300	30.900	21.700
13	4130	18.900	25.400	12.400	3.100	39.600	38.600	44.100	41.300	34.900	24.900
14	51 0	21.900	28.000	15.000	4.800	43.500	42.600	47.800	44.200	38.100	27.900
15	5130	24.800	30.900	17.600	6.100	46.500	45.300	50.000	46.700	40.700	31.100
16	61 0	27.800	34.600	20.600	7.600	48.700	47.700	51.500	48.600	43.700	32.700
17	6130	30.700	36.800	21.300	9.400	51.000	50.200	54.200	51.000	45.800	34.800
18	71 0	33.300	38.100	25.000	10.800	53.100	52.300	55.600	52.700	47.500	37.100
19	7130	35.200	40.600	27.900	12.500	54.700	54.000	57.000	53.000	48.900	40.600
20	81 0	37.300	42.200	30.100	14.100	56.000	55.400	57.000	54.000	50.500	41.100
21	8130	39.000	44.000	32.600	16.100	57.500	56.700	58.000	55.700	51.500	41.400
22	91 0	40.300	45.200	34.000	17.700	58.100	57.500	59.400	56.100	52.100	42.500
23	9130	41.700	46.400	35.600	19.300	59.000	58.100	60.000	57.500	53.500	42.500
24	101 0'	42.900	47.900	36.700	20.400	60.000	59.100	61.100	58.700	54.900	44.100
25	10130	43.700	48.600	37.900	21.600	60.600	59.900	61.900	59.000	55.100	44.300
26	111 0	44.300	49.300	39.000	22.600	61.300	60.000	62.600	59.600	56.200	44.800
27	11130	44.800	51.100	39.700	23.600	62.000	61.200	62.500	59.600	56.300	46.200
28	121 0	45.500	50.900	40.900	24.000	62.000	61.300	62.000	60.200	56.000	47.400
29	12130	46.100	50.900	41.600	24.600	61.900	61.500	62.300	59.600	56.400	47.600
30	131 0	46.100	50.300	41.800	25.300	61.000	60.700	60.600	58.000	55.600	47.000
31	13130	45.500	49.700	41.900	25.600	59.000	59.600	58.900	56.600	54.200	46.900
32	141 0	45.500	49.100	42.000	26.200	58.300	58.200	57.100	56.400	52.700	46.600
33	14130	45.000	48.300	41.800	26.400	56.700	56.600	55.200	53.100	51.100	45.800
34	151 0	43.900	46.900	41.000	26.000	54.600	54.500	52.300	50.300	48.700	42.400
35	15130	42.900	44.700	40.300	26.900	51.900	51.700	48.700	47.100	45.600	40.100
36	161 0	41.600	43.300	39.500	26.900	49.200	48.800	45.600	44.300	42.600	38.000
37	16130	40.200	41.300	38.500	26.700	46.600	46.100	42.600	41.500	40.200	36.000
38	171 0	38.600	39.300	37.300	26.300	43.600	42.900	39.200	38.000	37.200	33.900
39	17130	36.100	37.100	35.700	26.200	40.700	39.900	35.600	34.300	33.900	31.100
40	181 0	33.600	34.600	34.000	25.700	37.900	36.000	31.400	31.000	30.100	27.400
41	18130	31.500	32.300	32.400	25.100	34.900	33.000	27.000	27.700	26.400	23.300
42	191 0	29.000	29.800	30.600	24.000	31.300	29.500	24.300	24.200	21.600	20.900
43	19130	26.500	27.700	28.800	22.600	28.100	26.600	21.600	21.000	19.600	17.800
44	39121	-0.000	1.600	1.000	-0.800	0.200	0.100	-0.500	-0.000	-1.100	-0.900

TITLE = CASE 0 DATE 85/10/29 TIME 17: 2159

CH. INDEX		131 T= 47	132 T= 51	133 T= 52	134 T= 53	135 T= 54	136 T= 61	137 T= 62	138 T= 63	139 T= 64	140 T= 65
INITIAL		18.600	18.100	18.100	18.000	17.800	17.500	17.500	17.500	17.400	17.400
FINAL		18.800	17.600	17.400	17.400	17.300	17.400	17.300	17.100	17.200	17.100
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.200	0.100	0.100	0.100	0.100	0.0	0.0	0.100	0.100	0.0
3	01 0	0.400	0.300	0.200	0.100	0.300	0.100	0.100	0.0	0.200	0.100
4	01 0	0.400	0.400	0.300	0.300	0.300	0.200	0.200	0.300	0.300	0.300
5	0130	0.500	0.500	0.500	0.600	0.400	0.300	0.400	0.400	0.400	0.500
6	11 0	0.500	4.200	1.700	0.900	0.800	0.400	0.500	0.600	0.500	0.600
7	1130	0.500	11.900	7.600	7.200	4.400	1.800	1.600	1.300	0.800	1.200
8	21 0	1.500	16.000	11.800	11.800	8.300	4.500	5.000	5.000	4.400	5.700
9	2130	3.600	18.600	14.600	14.500	11.600	9.800	9.000	9.200	7.000	8.600
10	31 0	5.000	21.300	17.100	17.000	14.300	12.000	11.300	11.600	9.600	10.900
11	3130	5.600	25.300	19.000	18.900	16.700	13.600	13.500	13.200	11.000	12.100
12	41 0	7.300	28.400	21.500	20.300	18.600	15.500	15.000	15.000	12.500	13.800
13	4130	10.000	31.700	25.000	24.300	21.300	17.200	16.700	16.400	14.000	15.100
14	51 0	12.400	32.700	28.400	26.900	23.900	20.600	19.100	19.600	16.600	18.300
15	5130	13.900	35.500	29.500	28.100	25.600	22.800	21.200	21.500	18.200	19.600
16	61 0	15.200	36.700	32.000	29.300	27.200	23.600	22.500	22.700	19.600	21.100
17	6130	17.200	38.100	33.900	30.700	28.600	24.300	23.500	23.200	20.300	21.600
18	71 0	19.500	40.900	35.500	32.500	30.300	25.100	24.500	24.100	21.500	22.200
19	7130	22.600	41.200	35.500	33.700	31.500	26.700	25.900	25.900	22.900	24.100
20	81 0	25.300	42.700	36.600	35.300	32.700	27.600	27.000	26.500	23.600	24.000
21	8130	26.700	43.500	37.200	35.000	33.500	28.700	27.700	27.500	24.300	25.600
22	91 0	28.200	43.600	38.100	35.900	34.100	28.900	28.100	27.700	24.500	25.600
23	9130	28.000	44.000	39.000	36.900	34.900	29.100	28.500	27.900	24.800	26.300
24	101 0	29.000	44.000	39.800	37.600	35.200	29.900	29.000	28.900	25.500	26.000
25	10130	30.100	44.900	39.800	38.500	36.300	30.900	30.000	29.200	26.200	27.000
26	111 0	30.500	45.700	41.100	39.100	37.400	30.600	30.100	29.600	26.800	28.100
27	11130	31.300	45.600	41.600	39.600	37.600	31.300	30.600	30.200	27.200	28.000
28	121 0	32.600	46.200	41.000	39.500	37.900	31.300	30.700	29.700	27.200	27.900
29	12130	32.500	45.700	41.300	39.600	37.700	31.600	30.700	30.200	27.600	28.100
30	131 0	32.600	45.900	40.700	38.200	37.100	31.000	30.600	30.200	27.200	27.600
31	13130	32.100	45.000	39.900	37.300	36.600	30.800	30.600	29.500	28.600	27.000
32	141 0	31.600	43.700	38.600	36.300	35.100	29.800	29.300	28.600	28.000	26.600
33	14130	31.500	41.800	37.700	35.300	34.300	28.800	28.300	27.200	25.200	25.700
34	151 0	30.500	39.700	36.900	34.100	33.600	27.900	27.600	26.700	24.500	24.100
35	15130	29.600	37.100	34.900	32.500	32.000	26.900	26.700	25.600	23.600	23.200
36	161 0	28.700	35.100	31.700	29.600	30.300	25.300	25.200	24.200	22.700	22.100
37	16130	28.200	32.600	29.600	28.000	28.600	23.500	23.500	22.600	20.900	20.600
38	171 0	27.300	29.800	26.800	25.600	26.600	21.700	21.700	20.600	19.100	18.900
39	17130	25.800	26.600	24.600	23.500	24.200	19.200	18.900	18.100	17.600	16.600
40	181 0	24.200	22.600	21.600	20.800	21.800	16.100	16.000	15.900	15.600	14.200
41	18130	21.800	18.900	18.700	17.600	18.000	13.500	14.100	13.500	13.600	12.000
42	191 0	19.700	16.300	15.000	14.700	16.600	11.600	12.200	11.600	11.700	10.000
43	19130	17.300	13.600	12.700	12.700	14.000	9.600	9.600	9.800	10.100	8.300
44	39121	-0.600	-0.500	-0.700	-0.600	-0.300	-0.100	-0.200	-0.400	-0.700	-0.300

TITLE + CASE 8 DATE 85/10/29 TIME 17: 2159

CH. INDEX		141 T= 71	142 T= 72	143 T= 73	144 T= 74	145 T= 81	146 T= 82	147 T= 83	148 T= 84	149 T= 85	150 T= 91
INITIAL		17.300	17.100	17.200	17.100	16.800	17.000	16.900	16.900	16.900	16.800
FINAL		17.000	16.800	17.000	16.900	16.800	17.000	17.100	17.200	17.300	16.800
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.100	0.100	0.0	0.100	0.100	0.100	0.100	0.100	0.100	0.0
3	01 0	0.100	0.100	0.200	0.200	0.200	0.100	0.200	0.100	0.100	0.0
4	01 0	0.200	0.300	0.200	0.300	0.200	0.200	0.200	0.200	0.200	0.100
5	0130	0.200	0.300	0.300	0.400	0.300	0.200	0.300	0.300	0.200	0.200
6	11 0	0.400	0.400	0.400	0.500	0.300	0.300	0.300	0.300	0.300	0.200
7	1130	0.400	0.400	0.600	0.600	0.500	0.400	0.500	0.400	0.400	0.200
8	21 0	0.700	0.900	1.000	0.900	0.900	0.500	0.500	0.500	0.400	0.400
9	2130	4.500	4.500	4.600	4.600	0.800	0.800	0.900	0.800	0.500	0.400
10	31 0	6.000	6.000	6.700	6.500	3.000	2.900	3.200	2.700	1.400	0.800
11	3130	8.200	8.500	8.300	8.100	4.000	4.000	5.100	4.300	2.400	2.400
12	41 0	9.400	10.000	9.700	9.300	6.400	6.300	6.500	5.600	3.500	3.700
13	4130	10.800	11.300	10.900	10.500	7.200	7.300	7.700	6.800	4.600	4.800
14	51 0	12.500	12.400	12.200	11.800	8.300	8.500	8.500	7.700	5.200	5.700
15	5130	14.700	14.800	14.100	13.800	9.700	9.600	9.600	8.700	6.000	6.600
16	61 0	16.000	16.200	15.500	15.000	11.200	11.000	11.100	9.900	6.900	7.100
17	6130	17.300	17.300	16.300	15.900	12.200	12.100	12.200	11.000	7.900	8.300
18	71 0	17.300	17.900	16.900	16.400	13.000	13.000	12.600	11.800	8.700	9.100
19	7130	18.400	18.600	17.700	17.300	13.500	13.500	13.200	12.300	9.400	9.800
20	81 0	19.400	19.700	18.000	18.300	14.300	14.300	13.900	12.900	10.000	9.900
21	8130	19.900	20.000	18.000	18.400	16.000	16.700	16.600	13.600	10.500	10.500
22	91 0	20.400	20.400	19.500	18.700	16.900	15.100	15.100	14.000	10.900	11.000
23	9130	20.800	20.900	19.800	19.100	15.100	15.200	15.300	14.300	11.300	11.200
24	101 0	21.100	21.500	20.300	19.300	16.000	15.900	15.600	14.700	11.800	11.500
25	10130	21.700	21.800	20.700	20.100	16.500	16.200	15.700	14.900	12.100	12.000
26	111 0	22.300	22.800	21.500	20.700	16.700	16.500	16.100	15.200	12.500	12.400
27	11130	22.400	22.800	21.400	20.600	17.300	17.000	16.500	15.400	12.800	12.700
28	121 0	23.100	22.900	21.900	21.000	17.300	17.200	16.700	15.800	13.200	13.000
29	12130	22.900	23.000	22.100	21.600	17.200	17.200	16.700	16.000	13.300	13.000
30	131 0	23.000	22.900	21.800	20.700	17.200	17.300	16.800	16.000	13.400	12.800
31	13130	22.800	22.600	21.800	20.900	17.300	17.400	17.000	16.200	13.600	12.900
32	141 0	22.300	22.300	21.300	20.300	17.000	16.900	16.900	15.800	13.700	13.000
33	14130	21.200	21.700	20.600	19.700	16.700	16.700	16.300	15.900	13.600	12.800
34	151 0	20.500	20.800	20.000	19.100	16.200	16.200	16.000	15.300	13.500	12.500
35	15130	20.300	20.100	19.000	18.200	15.600	15.700	15.200	14.800	13.300	12.300
36	161 0	19.300	19.500	18.300	17.600	15.100	15.000	14.800	14.200	13.000	12.000
37	16130	18.500	18.400	17.400	16.400	14.200	14.500	14.300	13.800	12.700	11.300
38	171 0	17.100	16.800	15.500	14.700	13.400	13.800	13.400	13.000	12.100	10.600
39	17130	15.400	15.100	13.700	13.300	12.500	12.700	12.100	11.700	11.400	9.900
40	181 0	13.600	12.800	11.900	11.600	11.100	11.000	10.100	10.300	10.600	9.300
41	18130	11.300	10.800	10.900	9.900	9.500	9.300	8.800	9.100	9.700	8.300
42	191 0	9.600	9.100	9.000	8.300	8.200	8.000	7.900	7.900	8.700	7.200
43	19130	8.000	7.900	7.600	7.000	7.100	6.800	6.300	7.000	7.900	6.300
44	39121	-0.300	-0.300	-0.200	-0.200	0.0	0.0	0.200	0.300	0.400	0.0

TITLE + CASE 8 DATE 85/10/29 TIME 17: 2159

CH. INDEX		151 T= 92	152 T= 93	153 T= 94	154 T=101	155 T=102	156 T=103	157 T=104	158 T=105	159 T=111	160 T=112
INITIAL		16.800	16.900	16.800	16.900	16.600	16.700	16.700	16.700	16.600	16.500
FINAL		17.100	17.300	17.000	17.100	16.800	17.200	17.100	16.900	16.700	16.800
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.100
3	01 0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
4	01 0	0.200	0.200	0.200	0.100	0.100	0.100	0.100	0.100	0.100	0.100
5	0130	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
6	11 0	0.300	0.300	0.300	0.200	0.200	0.200	0.200	0.200	0.200	0.200
7	1130	0.400	0.300	0.400	0.200	0.400	0.300	0.100	0.200	0.100	0.200
8	21 0	0.500	0.400	0.500	0.300	0.400	0.400	0.400	0.300	0.100	0.300
9	2130	0.500	0.400	0.300	0.400	0.400	0.400	0.400	0.400	0.300	0.300
10	31 0	1.000	1.000	1.100	0.400	0.500	0.500	0.500	0.400	0.300	0.400
11	3130	2.500	2.900	3.200	0.800	1.200	1.300	1.000	1.200	0.400	0.500
12	41 0	3.800	4.300	4.600	1.900	2.400	2.900	2.300	2.500	1.200	1.400
13	4130	4.900	5.300	5.900	2.803	3.500	3.800	3.300	3.400	2.300	2.600
14	51 0	5.800	6.300	6.300	3.500	4.200	4.500	4.100	4.200	3.000	3.200
15	5130	6.600	7.000	7.100	4.200	4.900	5.300	4.800	4.900	3.600	3.800
16	61 0	7.600	7.800	7.900	4.900	5.800	5.900	5.400	5.500	4.500	4.200
17	6130	8.600	8.800	8.900	5.600	6.400	6.800	6.100	6.200	4.500	4.600
18	71 0	9.500	9.600	9.800	6.600	7.400	7.600	6.900	7.000	5.500	5.500
19	7130	9.900	10.000	10.700	7.100	8.000	8.305	7.500	7.600	6.200	6.200
20	81 0	10.400	10.600	10.700	7.600	8.400	8.700	7.900	8.100	6.500	6.800
21	8130	10.940	11.100	11.300	8.100	8.800	9.000	8.200	8.300	6.900	6.900
22	91 0	11.300	11.400	11.900	8.900	9.200	9.500	8.600	8.600	7.100	7.100
23	9130	11.800	11.700	11.700	8.900	9.700	9.800	9.000	9.000	7.400	7.500
24	101 0	12.100	12.200	12.100	9.000	9.900	10.100	9.300	9.300	7.600	7.800
25	10130	12.400	12.400	12.500	9.400	10.200	10.200	9.500	9.500	7.900	8.000
26	111 0	12.700	12.700	12.700	9.700	10.500	10.600	9.700	9.800	8.100	8.200
27	11130	13.000	12.900	12.900	9.900	10.600	10.700	9.800	10.000	8.200	8.400
28	121 0	13.400	13.100	13.300	10.000	10.800	10.900	10.200	10.200	8.400	8.500
29	12130	13.500	13.100	12.900	10.300	11.000	11.200	10.300	10.200	8.900	8.700
30	131 0	13.600	13.300	13.300	10.300	11.000	11.200	10.400	10.100	8.900	8.900
31	13130	13.600	13.200	13.200	10.400	11.100	11.300	10.500	10.400	8.700	8.900
32	141 0	13.500	13.200	13.100	10.300	11.100	11.100	10.500	10.400	8.900	9.100
33	14130	13.200	13.800	13.000	10.200	11.000	11.000	10.100	10.200	8.500	8.800
34	151 0	13.000	12.800	12.800	10.100	10.900	10.800	10.200	10.100	8.500	8.800
35	15130	12.800	12.700	12.400	9.800	10.800	10.700	10.900	10.000	8.300	8.600
36	161 0	12.100	12.100	11.700	9.500	10.200	10.300	9.800	9.700	8.000	8.200
37	16130	11.900	11.600	11.200	9.100	9.800	9.900	9.400	9.200	7.800	8.000
38	171 0	11.200	11.100	10.900	8.900	9.400	9.300	9.000	8.700	7.400	7.000
39	17130	10.300	10.700	9.800	8.200	8.900	8.809	8.500	8.100	7.100	7.100
40	181 0	9.500	9.000	8.300	7.500	7.800	8.100	7.800	7.100	6.700	6.600
41	18130	8.500	8.000	7.500	6.800	7.000	7.100	7.100	6.600	5.600	5.900
42	191 0	7.400	6.600	6.500	6.000	5.900	6.100	6.100	5.800	4.800	5.200
43	19130	6.400	5.700	5.600	5.200	5.100	5.300	5.500	5.100	4.000	4.400
44	39121	0.300	0.400	0.200	0.200	0.200	0.500	0.400	0.200	0.100	0.300

TITLE + CASE 8 DATE 85/10/29 TIME 17: 2159

CH. INDEX		161 T=113	162 T=114	163 T=121	164 T=122	165 T=123	166 T=124	167 T=125	168 T=131	169 T=132	170 T=133
INITIAL		16.600	16.600	16.500	16.800	16.500	16.800	16.600	16.500	16.500	16.400
FINAL		16.800	16.800	16.800	16.700	16.700	16.700	16.700	16.400	16.700	16.600
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.100	0.0	0.0	0.0	0.0	0.0	-0.100	0.100	0.0	0.100
3	01 0	0.100	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.100
4	01 0	0.200	0.100	0.100	0.0	0.100	0.100	0.0	0.0	0.0	0.100
5	0130	0.200	0.100	0.100	0.0	0.100	0.100	0.0	0.0	0.0	0.100
6	11 0	0.200	0.200	0.200	0.100	0.200	0.100	0.100	0.100	0.100	0.100
7	1130	0.300	0.200	0.200	0.0	0.200	0.200	0.100	0.0	0.100	0.200
8	21 0	0.300	0.300	0.300	0.100	0.300	0.200	0.200	0.100	0.200	0.200
9	2130	0.400	0.400	0.300	0.200	0.300	0.300	0.200	0.100	0.200	0.300
10	31 0	0.400	0.400	0.300	0.100	0.300	0.300	0.300	0.200	0.200	0.200
11	3130	0.600	0.600	0.300	0.200	0.400	0.400	0.300	0.200	0.300	0.300
12	41 0	1.600	1.600	0.600	0.600	0.700	0.700	0.800	0.200	0.300	0.400
13	4130	2.700	2.700	1.500	1.400	1.000	1.000	1.700	0.600	0.800	0.900
14	51 0	3.400	3.400	2.200	2.400	2.000	2.000	2.500	1.500	1.700	1.800
15	5130	4.100	4.000	2.700	3.100	3.100	3.300	3.000	2.100	2.300	2.400
16	61 0	4.600	4.600	3.200	3.200	3.500	3.700	3.500	2.600	2.800	2.900
17	6130	5.000	5.000	3.600	3.900	4.000	4.100	4.000	2.900	3.200	3.300
18	71 0	5.800	5.600	4.100	4.100	4.600	4.700	4.600	3.100	3.500	3.600
19	7130	6.400	6.300	4.700	5.100	5.200	5.300	5.000	3.500	4.000	4.100
20	81 0	7.000	6.800	5.100	5.400	5.600	5.700	5.400	4.000	4.300	4.400
21	8130	7.200	7.100	5.300	5.600	5.900	6.000	5.800	4.400	4.700	4.900
22	91 0	7.400	7.300	5.700	6.000	6.200	6.000	5.900	4.600	5.100	5.200
23	9130	7.700	7.600	5.700	6.100	6.400	6.300	6.200	4.900	5.100	5.300
24	101 0	7.900	7.900	6.300	6.700	6.600	6.600	6.500	5.200	5.600	5.700
25	10130	8.200	8.100	6.400	6.700	6.900	6.800	6.700	5.300	5.800	5.700
26	111 0	8.500	8.300	6.600	6.900	7.200	7.100	6.900	5.300	5.900	5.900
27	11130	8.600	8.500	6.900	7.100	7.200	7.200	7.000	5.500	6.000	6.100
28	121 0	8.900	8.700	6.000	7.200	7.400	7.200	7.100	5.700	6.200	6.200
29	12130	9.000	8.900	6.700	7.300	7.500	7.400	7.300	5.800	6.300	6.300
30	131 0	9.000	8.900	6.900	7.500	7.700	7.500	7.400	5.900	6.400	6.400
31	13130	9.000	8.900	6.900	7.600	7.700	7.600	7.600	6.000	6.400	6.500
32	141 0	9.100	8.800	7.000	7.500	7.700	7.500	7.600	5.900	6.600	6.500
33	14130	9.000	8.800	7.100	7.500	7.700	7.500	7.300	5.900	6.500	6.400
34	151 0	8.900	8.700	7.000	7.500	7.600	7.600	7.400	6.000	6.400	6.400
35	15130	8.800	8.600	6.800	7.500	7.500	7.400	7.300	5.900	6.400	6.400
36	161 0	8.600	8.300	6.600	7.100	7.300	7.300	7.100	5.800	6.200	6.300
37	16130	8.200	8.100	6.700	6.900	7.200	7.100	6.800	5.800	6.000	6.100
38	171 0	7.800	7.600	6.300	6.700	6.900	6.700	6.600	5.500	5.900	6.000
39	17130	7.300	7.200	5.700	6.100	6.600	6.300	6.100	5.100	5.500	5.700
40	181 0	6.800	6.800	5.300	5.500	5.900	5.800	5.500	4.600	4.900	5.100
41	18130	6.200	6.100	4.800	4.900	5.200	5.300	5.100	4.000	4.400	4.700
42	191 0	5.300	5.400	4.100	4.300	4.800	4.700	4.700	3.400	4.000	4.300
43	19130	4.600	4.700	3.600	3.700	4.000	4.000	4.200	3.100	3.500	3.700
44	39121	0.200	0.200	0.300	0.100	0.200	0.100	0.100	0.100	0.200	0.200

TITLE + CASE 8 DATE 85/10/29 TIME 17: 2159

CH. INDEX		171 T=134	172 T=141	173 T=151	201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31
INITIAL		16.500	13.200	16.400	0.160	0.150	0.150	0.157	0.160	0.159	0.191
FINAL		16.700	13.100	16.300	0.127	0.125	0.133	0.146	0.154	0.154	0.155
LOOP	TIME	(C)	(C)	(C)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	0.0	0.0	0.0	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	0.0	0.100	0.0	100.050	100.000	100.067	99.987	100.006	98.176	100.053
3	01 0	0.0	0.0	0.0	100.075	99.987	100.167	100.000	100.096	100.058	100.086
4	01 0	0.0	0.100	0.0	100.150	100.107	100.100	100.097	100.819	98.676	100.066
5	0130	0.0	0.0	0.0	88.309	82.187	92.340	98.150	99.297	100.075	91.617
6	11 0	0.100	0.0	0.0	86.109	85.260	81.957	76.200	99.651	100.111	77.219
7	1130	0.200	-0.100	0.0	88.839	85.367	79.318	86.737	99.738	100.060	68.561
8	21 0	0.200	0.0	0.0	76.778	75.260	86.482	74.018	85.961	100.063	75.290
9	2130	0.200	0.0	0.0	80.222	79.087	90.150	75.266	75.758	100.111	81.440
10	31 0	0.200	-0.200	0.0	80.417	82.883	91.331	76.385	72.956	100.057	80.282
11	3130	0.300	-0.200	0.0	84.611	87.660	91.696	87.009	75.818	100.075	86.051
12	41 0	0.300	-0.300	0.0	85.176	87.987	90.665	85.065	76.199	99.668	86.760
13	4130	0.900	-0.400	0.0	79.102	77.820	90.870	86.487	81.978	76.686	86.191
14	51 0	1.900	-0.400	-0.100	78.963	77.267	88.760	78.886	79.858	71.115	80.581
15	5130	2.500	-0.400	-0.100	80.053	76.615	88.651	79.798	76.876	75.501	81.098
16	61 0	3.000	-0.500	-0.140	86.329	80.060	90.005	81.209	78.665	76.256	85.067
17	6130	3.100	-0.500	0.0	86.222	82.460	92.503	86.867	79.858	76.932	86.155
18	71 0	3.700	-0.600	-0.100	82.652	88.695	91.367	86.885	82.805	77.571	86.647
19	7130	4.100	-0.600	-0.100	81.538	79.673	90.097	86.276	81.785	77.167	85.510
20	81 0	4.700	-0.500	0.0	88.606	77.909	90.626	86.066	79.387	73.532	86.956
21	8130	5.000	-0.600	0.0	85.146	79.667	91.878	85.117	79.576	76.857	86.907
22	91 0	5.200	-0.600	-0.100	86.987	81.693	91.800	85.667	80.317	76.666	87.669
23	9130	5.300	-0.600	0.0	88.903	86.660	91.665	89.789	87.677	76.110	90.887
24	101 0	5.600	-0.700	0.0	86.908	86.260	91.565	80.916	88.062	76.965	91.219
25	10130	5.900	-0.700	0.0	86.019	87.080	93.106	89.688	87.685	79.570	91.086
26	111 0	5.900	-0.700	0.0	86.658	86.187	93.738	90.607	87.925	81.068	91.586
27	11130	6.100	-0.700	-0.100	86.302	86.360	93.258	91.269	88.763	86.653	91.677
28	121 0	6.300	-0.700	0.0	86.357	86.167	93.612	91.199	89.627	86.687	92.089
29	12130	6.200	-0.700	-0.100	85.831	83.615	93.774	91.666	90.269	87.219	91.943
30	131 0	6.400	-0.700	0.0	85.775	86.887	93.665	91.918	91.637	87.617	91.770
31	13130	6.500	-0.700	-0.100	85.700	86.193	93.497	92.102	91.652	88.170	91.940
32	141 0	6.500	-0.700	-0.100	85.362	85.987	93.572	92.516	92.576	88.092	91.876
33	14130	6.400	-0.700	-0.100	85.205	85.907	93.351	97.681	92.974	88.608	91.665
34	151 0	6.600	-0.700	-0.100	86.573	83.660	93.057	92.850	92.810	89.760	91.279
35	15130	6.300	-0.700	-0.100	86.505	83.520	92.750	91.670	92.211	89.765	91.027
36	161 0	6.200	-0.800	-0.100	85.759	87.053	92.367	91.857	93.756	89.868	90.676
37	16130	6.100	-0.800	-0.100	83.666	87.080	92.207	91.976	92.668	90.951	90.111
38	171 0	5.800	-0.700	-0.100	83.390	82.700	92.108	91.753	92.617	89.765	89.897
39	17130	5.400	-0.400	-0.100	82.169	81.407	91.500	91.676	92.795	88.719	89.667
40	181 0	5.100	-0.200	-0.200	81.981	81.111	91.839	91.628	93.641	91.071	89.148
41	18130	4.400	-0.200	-0.100	81.881	81.207	91.026	91.251	93.167	91.372	88.910
42	191 0	4.100	-0.100	-0.200	81.626	80.960	90.658	90.866	92.958	91.697	89.297
43	19130	3.800	0.0	-0.100	81.767	80.607	90.331	90.709	93.067	91.868	88.617
44	39121	0.200	-0.100	-0.100	79.276	82.227	89.161	92.868	96.331	96.735	89.925

TITLE = CASE 8 DATE 85/10/29 TIME 171 2159

CH. INDEX		208 S= 32	209 S= 33	210 S= 34	211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 45	217 S= 51
INITIAL		0.149	0.149	0.153	0.150	0.147	0.151	0.150	0.147	0.160	0.157
FINAL		0.136	0.135	0.140	0.152	0.138	0.141	0.142	0.137	0.154	0.147
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	100.020	100.068	100.015	100.011	100.047	100.020	100.020	100.028	99.975	100.032
3	01 0	100.027	100.136	100.000	100.049	100.027	100.044	100.033	100.077	100.111	100.100
4	01 0	100.074	100.080	100.049	100.032	100.075	100.040	100.060	100.095	100.144	100.057
5	0130	92.544	98.094	97.481	100.036	100.116	100.000	100.000	100.069	100.181	100.089
6	11 0	89.793	87.595	91.742	99.791	91.988	89.967	94.655	98.553	100.365	97.163
7	1130	91.093	75.537	80.591	99.677	80.096	75.245	89.989	94.943	100.306	92.917
8	21 0	82.277	78.884	71.863	99.759	76.085	78.142	78.539	77.309	98.650	86.716
9	2130	89.096	81.785	80.591	79.850	79.110	75.191	82.010	75.033	87.166	88.837
10	31 0	88.934	85.251	80.480	79.555	82.570	78.284	83.810	76.206	78.974	83.038
11	3130	75.218	80.537	85.858	71.463	82.205	78.868	85.451	76.775	75.487	85.977
12	41 0	75.574	86.551	81.880	70.461	86.090	81.254	86.977	80.403	75.461	85.562
13	4130	75.654	87.588	83.779	79.921	86.810	83.308	87.130	88.065	75.486	86.219
14	51 0	88.051	83.477	81.198	80.119	85.149	80.859	86.270	82.518	76.407	87.940
15	5130	88.621	82.507	76.497	77.159	81.428	77.979	81.491	79.958	77.363	85.122
16	61 0	76.233	87.702	82.021	76.714	82.767	79.870	85.117	79.808	72.818	83.216
17	6130	77.484	87.576	80.994	75.891	85.721	83.339	87.603	79.219	72.818	86.880
18	71 0	78.097	87.815	82.020	77.020	85.409	83.088	87.270	81.567	78.450	86.627
19	7130	77.490	87.715	83.461	77.863	85.859	83.254	87.577	82.780	78.481	87.328
20	81 0	76.113	85.444	81.309	79.010	84.969	83.021	87.150	82.475	79.187	86.901
21	8130	76.545	86.778	81.135	70.813	84.439	82.146	88.817	82.080	77.487	85.671
22	91 0	80.009	84.791	84.615	78.940	85.472	82.869	87.057	81.690	77.896	85.177
23	9130	85.020	91.337	80.051	80.881	89.094	87.586	91.042	88.049	77.388	86.897
24	101 0	86.590	91.685	89.619	82.972	90.670	90.444	92.135	88.855	83.090	89.989
25	10130	86.710	91.480	90.497	82.503	91.871	90.094	92.875	88.826	86.560	90.413
26	111 0	87.524	92.194	90.717	86.091	91.619	90.708	92.862	91.012	88.470	91.208
27	11130	87.612	91.705	88.914	87.765	91.995	90.950	92.800	91.190	89.297	91.104
28	121 0	88.961	92.388	91.076	89.774	92.240	91.440	91.402	92.528	90.173	91.076
29	12130	88.372	92.368	90.161	90.590	92.804	92.237	93.728	93.040	90.854	91.261
30	131 0	88.345	91.939	90.292	91.440	92.722	92.111	93.808	93.342	91.710	91.019
31	13130	88.837	92.334	90.796	91.822	93.000	92.310	93.908	93.390	91.670	90.942
32	141 0	88.762	91.752	91.089	92.393	93.860	92.190	93.785	93.672	91.954	90.786
33	14130	87.980	91.578	90.952	92.507	93.001	92.095	93.902	93.686	92.521	90.668
34	151 0	88.117	91.261	90.444	92.814	92.750	92.396	93.875	93.434	92.611	90.477
35	15130	87.751	91.009	91.009	92.909	92.505	92.091	93.708	93.416	92.567	90.190
36	161 0	87.444	90.021	90.564	92.900	92.410	91.929	93.515	93.447	92.717	89.909
37	16130	88.851	90.480	90.187	91.262	92.111	91.967	93.402	93.427	92.770	89.786
38	171 0	88.656	90.270	89.900	92.576	91.825	91.308	93.262	93.400	92.956	89.572
39	17130	88.616	89.944	89.756	93.020	91.615	91.328	93.275	93.925	93.075	89.323
40	181 0	85.000	89.010	89.502	93.033	91.812	91.401	93.595	93.637	93.480	89.278
41	18130	86.017	89.416	89.475	93.221	91.737	91.421	93.308	93.649	93.617	89.227
42	191 0	88.185	89.570	89.561	93.356	91.662	91.381	93.275	93.778	93.968	89.176
43	19130	88.174	89.463	89.861	93.420	91.680	91.347	93.248	93.790	93.861	89.176
44	19121	90.020	90.330	91.546	94.410	93.550	93.768	94.508	95.034	96.430	93.951

TITLE = CASE 8 DATE 85/10/29 TIME 171 2159

CH. INDEX		218 S= 52	219 S= 53	220 S= 54	221 S= 61	222 S= 62	223 S= 63	224 S= 64	225 S= 71	226 S= 72	227 S= 81
INITIAL		0.142	0.165	0.154	0.157	0.160	0.152	0.157	0.154	0.156	0.157
FINAL		0.152	0.155	0.144	0.145	0.155	0.146	0.149	0.150	0.150	0.149
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	100.025	100.055	100.070	100.013	100.012	100.019	100.000	99.987	100.006	99.993
3	01 0	100.080	100.091	100.104	100.053	100.025	100.118	100.013	100.045	100.013	100.015
4	01 0	100.135	100.036	100.156	100.039	100.050	100.210	100.051	100.045	100.026	100.007
5	0130	100.154	100.042	100.156	100.044	100.069	100.210	100.051	100.051	100.026	100.007
6	11 0	97.445	98.756	98.505	100.072	100.094	100.420	100.083	100.077	100.037	100.020
7	1130	90.696	94.575	92.203	98.144	98.441	98.427	98.477	100.096	100.065	101.102
8	21 0	79.667	87.383	81.617	90.044	90.782	90.961	95.316	99.550	98.306	101.287
9	2130	75.605	85.029	79.422	81.995	81.376	82.461	90.663	92.152	90.325	100.613
10	31 0	78.280	88.667	81.799	76.536	78.304	76.693	87.502	86.632	88.375	98.961
11	3130	81.707	88.156	83.481	78.236	80.269	78.532	88.500	78.673	75.685	88.166
12	41 0	81.566	89.088	83.864	81.105	82.708	80.950	89.969	79.490	75.175	81.793
13	4130	82.007	89.010	84.060	81.410	82.320	81.167	89.720	81.489	76.760	82.357
14	51 0	83.337	89.701	84.444	82.544	83.623	81.942	90.377	81.449	77.515	84.365
15	5130	81.989	88.105	83.615	83.902	84.884	85.144	91.046	82.928	78.519	84.268
16	61 0	76.748	86.599	82.069	81.325	87.784	80.451	89.406	85.593	70.880	85.099
17	6130	79.544	87.505	82.428	78.052	80.241	78.756	88.503	81.426	77.588	85.703
18	71 0	82.014	88.111	84.190	80.336	81.216	79.196	88.873	79.866	75.520	84.233
19	7130	83.120	88.615	84.610	81.567	82.748	81.305	89.402	79.965	76.337	87.462
20	81 0	82.451	88.324	84.573	81.016	83.054	81.508	89.414	80.240	77.009	87.402
21	8130	80.844	87.717	83.456	82.236	83.724	81.970	89.542	82.181	77.888	85.937
22	91 0	80.439	86.873	82.804	81.082	82.700	81.502	89.178	81.874	78.014	84.653
23	9130	81.730	87.401	82.960	80.413	81.615	80.477	88.437	81.934	77.796	86.935
24	101 0	86.051	89.511	86.863	81.567	82.860	81.278	89.045	80.145	76.013	86.496
25	10130	87.480	90.030	88.189	85.574	86.186	86.931	90.436	81.598	78.366	85.053
26	111 0	88.506	91.407	89.315	87.449	88.565	87.893	91.715	84.880	81.965	85.091
27	11130	88.559	91.566	89.504	88.667	89.706	88.951	92.410	87.461	85.232	87.507
28	121 0	88.520	91.152	89.587	89.252	89.991	88.461	92.429	88.533	87.119	89.719
29	12130	88.966	91.389	89.380	89.561	90.435	89.031	92.467	89.365	87.465	91.195
30	131 0	88.816	91.285	89.419	89.928	90.470	90.146	92.442	89.523	88.335	92.192
31	13130	88.651	91.187	89.249	90.074	90.808	90.106	92.397	90.076	88.580	91.624
32	141 0	88.578	91.176	89.171	90.221	91.119	90.705	92.552	90.436	88.870	91.877
33	14130	88.571	90.909	89.119	90.315	91.132	90.609	92.257	90.565	89.128	92.363
34	151 0	88.265	90.721	88.937	90.433	91.188	90.876	92.050	90.718	88.500	92.225
35	15130	88.048	90.587	88.665	90.557	91.237	90.862	92.036	90.950	89.088	92.637
36	161 0	87.629	90.187	88.437	90.531	91.263	90.960	91.884	90.867	89.865	93.032
37	16130	87.406	89.999	88.189	90.477	91.126	90.698	91.658	91.169	90.197	93.180
38	171 0	87.278	89.799	88.059	90.587	91.113	90.849	91.639	91.239	90.242	93.248
39	17130	87.161	89.623	87.877	90.511	91.144	90.810	91.505	91.175	90.301	93.767
40	181 0	87.110	89.513	87.851	90.465	91.287	90.981	91.326	91.307	90.405	93.806
41	18130	87.180	89.477	87.709	90.557	91.200	90.836	91.313	91.516	90.501	93.966
42	191 0	87.563	89.450	87.903	90.449	91.150	91.186	91.326	91.657	90.735	94.160
43	19130	87.812	89.427	87.708	90.859	91.519	91.198	91.269	91.611	90.826	94.292
44	19121	93.454	93.767	93.417	95.390	95.666	95.029	94.019	94.523	93.873	97.795

TITLE = CASE 8 DATE 85/10/29 TIME 171 2159

CH. INDEX		228 S= 82	229 S= 83	230 S= 91	231 S= 92	232 S=101	233 S=102	234 S=103	235 S=111	236 S=112	237 S=121
INITIAL		0.155	0.156	0.157	0.156	0.149	0.157	0.160	0.157	0.156	0.161
FINAL		0.151	0.152	0.154	0.153	0.147	0.155	0.157	0.155	0.153	0.160
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	99.996	100.000	99.996	99.996	99.966	100.013	100.006	99.943	100.006	100.000
3	01 0	100.000	100.013	100.000	100.000	99.931	100.025	100.006	99.917	100.013	100.006
4	01 0	100.019	100.019	100.025	100.019	99.973	100.025	100.025	99.962	100.026	100.012
5	0130	100.013	100.026	100.019	100.013	99.946	100.032	100.051	99.898	100.026	100.006
6	11 0	100.019	100.045	100.045	100.032	99.953	100.057	100.056	99.905	100.051	100.006
7	1130	100.570	100.026	100.032	100.000	99.899	100.044	100.044	99.930	100.039	100.000
8	21 0	100.624	100.032	100.610	100.006	99.939	100.051	100.044	99.955	100.045	99.994
9	2130	99.685	99.320	100.051	100.038	100.000	100.057	100.056	99.981	100.050	101.012
10	31 0	96.057	93.802	99.458	99.859	99.966	100.000	99.975	99.936	100.051	100.000
11	3130	86.842	87.098	96.222	99.193	97.705	96.965	97.662	99.540	99.442	100.006
12	41 0	80.495	82.808	92.731	98.236	92.849	90.716	92.337	94.388	95.036	99.000
13	4130	81.301	82.892	89.481	97.020	85.419	84.196	89.110	90.600	87.906	95.569
14	51 0	85.600	84.415	90.176	97.909	82.511	79.152	81.782	86.101	80.234	89.117
15	5130	85.870	85.944	91.017	98.204	82.605	80.467	83.578	82.161	78.210	85.200
16	61 0	85.015	86.227	91.030	98.159	84.394	81.812	84.207	83.669	80.080	86.512
17	6130	85.723	80.631	91.265	98.339	84.901	82.270	85.148	86.597	81.259	86.300
18	71 0	83.090	85.451	91.667	98.384	84.914	83.517	86.240	86.000	82.645	86.658
19	7130	82.507	86.470	90.864	98.121	85.183	83.584	86.308	85.031	82.666	86.760
20	81 0	83.144	86.217	89.550	97.903	83.291	81.165	84.033	85.017	82.270	87.406
21	8130	83.716	84.866	90.087	97.486	81.912	79.742	82.085	82.867	79.958	86.725
22	91 0	84.861	85.209	90.615	98.082	82.706	80.434	83.678	82.008	78.940	86.710
23	9130	84.951	85.830	90.796	98.153	83.218	81.430	84.319	83.149	80.270	86.862
24	101 0	84.024	85.830	90.889	98.070	84.248	82.371	84.081	86.241	81.371	85.065
25	10130	83.716	86.428	90.516	98.050	83.902	82.301	84.525	86.209	81.968	85.256
26	111 0	84.475	85.197	90.130	97.961	83.824	81.508	84.076	86.005	81.386	86.601
27	11130	87.195	87.860	90.883	98.006	83.961	81.317	83.995	85.905	80.264	86.508
28	121 0	89.517	90.260	92.100	98.365	84.450	83.000	85.230	81.891	80.677	85.218
29	12130	91.015	91.190	93.444	98.525	87.795	86.076	88.023	85.551	83.131	85.671
30	131 0	91.026	91.580	94.145	98.634	89.599	88.283	90.280	88.451	84.810	87.487
31	13130	91.485	92.060	94.413	98.640	90.919	89.462	91.047	90.575	88.572	90.216
32	141 0	91.922	92.112	94.687	98.628	91.545	90.401	91.240	91.433	89.741	91.670
33	14130	92.127	92.509	94.948	98.615	91.982	90.599	91.430	91.976	90.184	92.366
34	151 0	92.305	92.400	95.075	98.583	92.049	91.319	91.889	92.317	90.765	92.819
35	15130	92.704	92.807	95.215	98.551	93.019	91.446	92.487	92.978	91.090	93.036
36	161 0	92.468	92.965	95.117	98.474	93.465	91.880	92.463	93.169	91.445	93.216
37	16130	92.908	93.065	95.349	98.442	93.610	92.094	92.867	93.329	91.919	93.703
38	171 0	93.100	93.149	95.521	98.390	94.312	92.545	92.990	93.748	91.964	94.118
39	17130	93.184	93.370	95.585	98.358	94.516	92.691	93.129	94.022	92.375	94.402
40	181 0	93.402	93.320	95.655	98.307	94.090	92.966	93.117	94.391	92.575	94.515
41	18130	93.549	93.367	95.886	98.249	95.187	93.377	93.154	94.700	92.831	94.744
42	191 0	93.491	93.404	95.923	98.204	95.597	93.567	93.522	94.944	93.284	95.426
43	19130	93.813	93.080	95.897	98.153	95.847	93.815	93.665	95.207	93.551	95.706
44	19121	97.363	97.176	98.159	98.064	99.051	98.184	97.731	98.881	98.511	98.965

TITLE = CASE 8 DATE 85/10/29 TIME 171 2159

CH. INDEX		238 S=122	239 S=123	240 S=131
INITIAL		0.157	0.159	0.169
FINAL		0.155	0.156	0.174
LOOP	TIME	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000
2	01 0	100.006	100.015	100.126
3	01 0	100.006	100.019	100.225
4	01 0	100.026	100.037	100.171
5	0130	100.026	100.032	100.455
6	11 0	100.026	100.063	100.556
7	1130	100.026	100.050	100.627
8	21 0	100.032	100.044	100.757
9	2130	100.032	100.057	100.869
10	31 0	100.032	100.063	100.982
11	3130	100.032	100.050	101.047
12	41 0	99.457	99.566	101.088
13	4130	96.042	97.812	101.280
14	51 0	90.974	95.616	101.265
15	5130	88.467	93.863	101.315
16	61 0	87.051	92.913	101.401
17	6130	86.353	93.566	101.455
18	71 0	86.499	93.916	101.549
19	7130	89.053	94.137	101.637
20	81 0	89.786	94.219	101.667
21	8130	88.715	93.632	101.738
22	91 0	87.167	92.825	101.780
23	9130	86.926	93.077	101.868
24	101 0	87.709	93.456	101.922
25	10130	88.616	93.443	101.951
26	111 0	88.546	93.575	102.004
27	11130	88.397	93.317	102.034
28	121 0	87.676	93.065	102.111
29	12130	88.208	93.203	102.129
30	131 0	89.799	94.401	102.194
31	13130	91.967	95.236	102.217
32	141 0	93.206	95.077	102.253
33	14130	93.602	96.175	102.282
34	151 0	94.013	96.186	102.306
35	15130	94.166	96.363	102.353
36	161 0	94.366	96.438	102.407
37	16130	94.919	96.539	102.466
38	171 0	95.093	96.595	102.466
39	17130	95.225	96.652	102.494
40	181 0	95.386	96.671	102.501
41	18130	95.652	96.696	102.537
42	191 0	95.901	96.778	102.584
43	19130	96.085	96.848	102.602
44	19121	98.789	98.575	102.692

実験No.26　　TITLE = CASE 9　　(A)　　DATE 85/10/30　　TIME 19:12:42

CH. INDEX		101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		16.400	16.200	16.000	16.300	16.000	16.300	16.400	16.200	16.200	15.900
FINAL		32.400	22.800	22.400	22.300	22.000	21.200	20.800	20.500	20.700	20.300
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.0	0.100	-0.200	0.200	0.0	-0.200	0.100	0.100	0.200
3	0: 0	0.100	0.100	0.200	-0.100	0.100	0.0	-0.100	0.100	0.100	0.300
4	0: 0	59.400	19.400	15.000	7.000	1.000	0.100	-0.100	0.200	0.200	0.400
5	0:30	96.400	45.100	42.500	35.200	10.000	1.000	0.200	0.400	0.300	20.200
6	1: 0	119.200	50.800	50.100	48.500	25.900	1.900	0.600	0.600	0.500	30.200
7	1:30	132.000	58.300	56.700	55.000	35.600	8.600	1.000	1.000	0.800	44.200
8	2: 0	142.000	65.000	63.700	60.900	46.700	14.000	2.000	1.300	1.000	49.200
9	2:30	153.400	68.800	68.700	66.900	52.900	23.000	3.300	1.900	1.300	53.800
10	3: 0	162.400	75.700	74.000	72.500	58.300	32.100	4.500	2.500	1.700	57.900
11	3:30	174.500	83.900	81.900	77.300	63.100	38.200	6.000	2.400	2.000	63.200
12	4: 0	180.800	89.000	88.300	84.200	66.200	43.700	8.000	3.500	2.500	69.800
13	4:30	191.900	94.400	91.900	88.100	73.200	46.000	15.100	7.900	3.200	71.500
14	5: 0	196.100	97.100	95.000	91.000	77.200	48.300	18.700	11.500	6.100	75.100
15	5:30	204.700	103.400	100.000	95.500	78.000	49.200	21.700	15.300	8.700	78.900
16	6: 0	211.700	104.200	102.700	98.800	81.100	52.200	22.300	14.700	10.100	79.900
17	6:30	221.000	106.100	104.500	99.900	84.300	55.100	23.700	15.000	11.300	82.000
18	7: 0	227.200	109.600	107.800	101.900	85.100	55.700	26.100	16.900	11.300	84.800
19	7:30	228.500	112.700	110.600	105.800	86.500	58.000	27.100	18.900	12.800	87.900
20	8: 0	234.000	112.100	111.200	106.100	91.000	61.100	30.200	21.800	15.800	88.000
21	8:30	233.800	114.400	113.200	109.100	89.600	58.800	31.300	22.600	16.700	86.400
22	9: 0	235.400	116.300	112.900	108.900	91.700	58.800	31.200	23.900	17.500	89.400
23	9:30	236.700	119.100	118.100	112.700	95.000	60.900	31.500	25.100	18.200	91.100
24	10: 0	242.500	120.400	118.100	114.100	94.100	65.900	33.000	25.100	18.800	93.600
25	10:30	238.900	122.000	119.400	113.700	100.300	66.400	34.400	24.900	19.400	94.400
26	11: 0	238.100	123.000	119.900	115.400	100.300	66.700	35.400	25.100	20.100	94.400
27	11:30	237.900	122.800	119.600	116.200	99.700	68.300	36.200	25.600	20.300	96.100
28	12: 0	234.200	120.400	117.700	112.100	98.300	68.000	37.200	26.300	20.700	94.000
29	12:30	225.500	117.400	112.300	107.200	97.200	67.000	37.400	27.400	20.800	92.100
30	13: 0	214.100	113.200	110.200	106.100	95.000	68.400	39.200	27.900	21.000	89.400
31	13:30	201.900	109.400	106.000	102.000	91.000	68.000	39.500	28.300	21.500	87.200
32	14: 0	188.700	102.500	99.900	97.200	88.700	68.500	38.600	28.700	22.700	81.700
33	14:30	170.400	94.500	91.900	88.900	87.100	66.000	38.500	28.900	23.400	78.900
34	15: 0	150.600	85.100	81.200	81.300	74.100	66.100	40.600	29.400	22.900	71.700
35	15:30	134.500	75.800	76.000	72.600	71.100	62.400	39.700	30.000	22.600	65.200
36	16: 0	118.200	67.500	66.300	64.700	63.200	50.200	39.200	28.700	23.000	58.800
37	16:30	105.000	60.500	59.700	57.300	55.700	50.200	38.200	29.400	23.700	52.700
38	17: 0	95.000	54.900	53.000	52.300	51.100	45.400	36.100	29.300	23.400	47.500
39	17:30	85.900	49.000	47.900	46.000	46.400	41.300	33.600	29.100	22.600	43.100
40	18: 0	77.100	44.800	43.700	41.700	42.300	38.000	32.000	27.700	21.700	38.000
41	18:30	68.600	39.500	38.900	38.100	38.700	36.800	30.900	25.300	18.900	35.200
42	19: 0	63.300	36.200	35.000	34.900	34.600	31.700	28.100	23.300	17.100	31.700
43	19:30	59.400	32.000	32.000	32.000	32.200	28.900	26.000	21.800	15.900	28.900
44	30:30	16.000	6.400	6.400	6.000	6.000	4.900	4.400	4.300	4.500	4.400

TITLE = CASE 9　　DATE 85/10/30　　TIME 19:12:42

CH. INDEX		111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		16.400	16.100	16.000	16.200	16.100	16.300	16.100	16.600	16.000	16.100
FINAL		29.900	28.500	21.400	19.800	19.900	21.000	19.900	27.600	25.400	25.500
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.0	0.200	0.0	0.100	0.0	0.100	0.0	0.100	0.0
3	0: 0	0.100	0.200	0.100	0.200	0.200	0.100	0.200	0.0	0.100	0.100
4	0: 0	0.100	0.200	0.100	0.200	0.100	0.200	0.300	0.0	0.200	0.100
5	0:30	0.900	16.100	11.200	2.700	1.100	0.300	0.400	4.500	5.200	2.200
6	1: 0	3.300	28.100	23.200	3.300	1.400	0.500	0.500	13.400	16.800	8.100
7	1:30	5.500	35.100	29.600	7.100	1.900	0.700	0.700	19.600	23.300	12.500
8	2: 0	7.700	41.900	37.800	10.100	3.300	1.900	0.900	24.400	28.100	16.400
9	2:30	10.300	46.900	43.200	23.300	5.100	1.200	1.100	28.800	32.700	20.300
10	3: 0	13.800	51.600	47.800	27.600	10.500	1.300	1.300	37.500	36.500	23.800
11	3:30	15.400	56.100	51.500	32.100	17.100	2.000	1.600	36.300	38.700	26.800
12	4: 0	18.000	62.500	57.200	36.100	23.200	2.000	2.000	40.100	44.100	30.400
13	4:30	20.500	66.100	62.400	40.600	28.400	3.600	2.500	44.700	48.500	34.100
14	5: 0	22.900	69.200	66.000	41.900	33.000	5.700	2.900	47.400	51.400	37.100
15	5:30	24.900	73.200	66.500	42.400	32.500	8.300	4.300	49.900	54.000	40.000
16	6: 0	27.000	76.200	69.900	43.900	35.700	10.800	6.100	52.600	56.700	42.700
17	6:30	28.700	79.000	70.200	44.100	37.400	12.500	7.500	56.700	58.700	44.500
18	7: 0	30.100	78.300	71.400	45.100	36.400	14.000	9.000	56.600	59.500	46.400
19	7:30	31.400	80.900	74.700	46.900	38.000	15.800	10.200	58.900	61.700	48.100
20	8: 0	33.000	82.000	76.100	48.900	39.700	16.800	11.700	61.000	63.600	49.900
21	8:30	34.200	87.400	77.400	49.000	38.500	18.700	13.700	61.900	64.600	51.500
22	9: 0	35.400	81.200	77.300	49.900	38.000	19.600	15.400	63.100	65.000	52.600
23	9:30	36.400	85.700	80.300	50.600	41.400	21.800	16.700	64.300	66.700	53.800
24	10: 0	37.400	86.100	80.400	52.100	42.900	22.200	17.000	65.400	67.700	55.200
25	10:30	38.700	88.500	81.000	53.500	42.700	22.000	18.000	66.600	68.700	56.100
26	11: 0	39.900	80.400	81.900	56.900	44.600	23.800	19.100	67.800	69.800	56.900
27	11:30	40.900	84.000	82.700	56.000	45.300	25.300	19.500	68.500	70.600	57.700
28	12: 0	41.900	87.400	82.600	56.500	45.200	25.900	20.100	68.300	70.400	58.100
29	12:30	42.400	85.800	80.100	55.600	45.700	26.300	20.500	68.200	69.600	57.600
30	13: 0	42.700	81.200	79.200	56.100	47.200	26.900	20.900	67.400	68.700	57.500
31	13:30	42.400	81.500	77.900	56.300	47.500	27.500	21.100	65.800	66.700	56.500
32	14: 0	42.300	79.000	76.000	55.800	46.800	28.200	21.200	66.700	65.100	55.800
33	14:30	41.000	76.400	71.400	51.700	46.700	29.200	21.700	62.400	62.400	54.500
34	15: 0	40.900	68.400	66.100	49.900	44.900	29.300	22.400	59.800	58.200	52.700
35	15:30	39.400	62.300	60.400	48.200	44.000	30.000	22.600	56.500	55.300	50.300
36	16: 0	38.000	56.000	54.200	45.800	42.100	30.000	22.700	52.700	51.200	47.600
37	16:30	36.200	50.200	48.500	42.700	38.900	29.900	22.700	48.900	47.000	45.100
38	17: 0	34.300	45.200	43.700	39.500	36.400	29.400	22.800	45.000	43.700	42.400
39	17:30	32.500	41.500	39.800	36.300	33.700	28.500	22.500	41.700	39.500	39.800
40	18: 0	30.900	37.100	35.600	32.600	30.800	27.500	22.100	38.500	36.300	37.400
41	18:30	29.300	33.700	32.700	30.300	28.300	26.500	21.800	34.900	33.100	35.000
42	19: 0	27.800	30.300	29.500	27.600	26.100	25.400	20.900	32.900	30.700	32.900
43	19:30	26.300	27.400	26.500	25.100	23.900	23.900	19.800	30.500	28.300	31.000
44	30:30	13.500	4.400	5.400	3.600	3.000	4.700	3.000	4.000	9.400	9.400

TITLE = CASE 9　　DATE 85/10/30　　TIME 19:12:42

CH. INDEX		121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 41	126 T= 42	127 T= 43	128 T= 44	129 T= 45	130 T= 46
INITIAL		16.000	16.000	16.200	16.000	16.200	16.000	15.900	15.800	15.900	15.800
FINAL		19.900	21.100	22.800	19.000	19.600	19.400	18.400	18.300	18.200	18.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.100	0.100	0.0	0.0	0.0	0.100	0.100	0.100	0.0	0.100
3	0: 0	0.200	0.100	0.0	0.0	0.100	0.100	0.100	0.200	0.100	0.100
4	0: 0	0.200	0.200	0.100	0.100	0.100	0.200	0.200	0.200	0.200	0.200
5	0:30	0.400	1.200	0.200	0.200	0.200	0.200	0.200	0.300	0.200	0.300
6	1: 0	2.400	4.800	1.300	0.100	7.000	6.500	11.400	8.800	5.800	2.200
7	1:30	5.000	8.700	2.500	0.400	13.300	12.000	19.200	16.500	13.500	4.400
8	2: 0	7.900	12.500	4.100	0.500	18.100	17.400	23.500	20.300	17.900	9.700
9	2:30	10.400	16.000	6.000	0.600	22.300	21.500	27.200	24.700	22.100	16.000
10	3: 0	13.800	19.100	8.100	0.800	25.700	25.100	29.000	27.500	25.800	18.800
11	3:30	17.000	22.300	11.600	1.000	28.900	28.300	32.400	30.300	27.700	21.400
12	4: 0	20.900	25.800	14.400	1.300	32.000	31.900	35.500	32.900	30.600	24.000
13	4:30	23.700	28.400	17.200	1.700	35.700	35.200	39.600	36.400	33.400	26.700
14	5: 0	26.400	31.100	20.200	2.400	38.900	38.400	42.000	39.000	36.200	29.300
15	5:30	29.000	33.800	23.300	3.800	41.100	40.700	43.400	40.400	38.300	31.300
16	6: 0	31.200	36.000	25.100	5.400	43.500	42.900	45.900	42.800	39.900	32.400
17	6:30	33.100	37.900	27.100	6.500	45.200	44.800	47.200	44.200	41.900	34.600
18	7: 0	34.600	39.700	28.600	7.700	46.800	46.300	48.400	46.900	42.200	35.700
19	7:30	36.100	40.000	30.200	9.400	48.300	47.800	49.600	46.100	43.500	37.000
20	8: 0	37.300	41.700	31.400	10.700	50.000	49.300	50.900	47.400	44.800	38.400
21	8:30	39.300	43.500	33.700	12.100	51.700	50.900	51.900	48.400	46.000	39.300
22	9: 0	40.300	44.500	34.700	13.300	52.400	51.700	52.400	49.400	46.800	40.000
23	9:30	41.000	45.900	35.700	14.000	53.100	52.400	52.600	49.900	47.100	40.800
24	10: 0	41.500	46.300	36.700	15.400	54.300	53.400	54.300	51.000	48.100	41.900
25	10:30	42.000	47.300	37.700	16.700	55.100	54.200	55.200	52.000	49.100	42.100
26	11: 0	43.000	47.400	38.400	17.400	56.000	55.100	55.700	52.600	49.900	42.500
27	11:30	45.300	48.300	39.400	18.700	58.400	55.800	56.100	52.700	50.700	43.500
28	12: 0	46.100	48.000	40.200	19.700	57.000	56.200	56.200	52.900	50.300	43.900
29	12:30	46.700	48.800	41.300	20.700	56.700	55.900	55.700	52.900	50.000	44.300
30	13: 0	46.300	48.000	41.600	21.500	56.000	55.100	53.900	51.900	49.200	44.100
31	13:30	46.100	48.000	41.500	21.800	55.100	54.300	52.900	50.400	47.600	43.300
32	14: 0	45.000	47.700	41.500	22.200	53.800	53.000	51.800	49.300	47.100	42.400
33	14:30	44.100	47.500	41.900	22.900	52.700	51.900	50.200	48.200	45.700	40.900
34	15: 0	45.200	46.000	41.900	23.400	50.800	50.100	47.600	45.800	43.400	39.800
35	15:30	43.400	44.300	41.300	24.000	48.200	47.500	44.300	42.800	41.100	37.600
36	16: 0	41.900	42.100	40.300	24.400	45.200	44.600	40.700	39.400	38.500	35.600
37	16:30	39.400	39.800	38.700	24.900	42.200	41.600	37.100	36.600	35.400	33.000
38	17: 0	36.700	37.300	37.000	24.700	39.200	38.900	34.000	33.100	32.200	30.300
39	17:30	33.700	34.000	34.800	24.300	36.100	35.300	30.600	29.900	29.100	27.800
40	18: 0	31.400	32.500	33.000	23.000	33.100	32.300	28.000	27.400	26.600	25.300
41	18:30	28.000	30.200	31.000	23.400	30.700	30.000	25.900	25.300	24.600	23.200
42	19: 0	26.700	28.100	29.100	22.700	28.400	27.300	23.400	23.000	22.400	21.500
43	19:30	24.800	26.100	27.300	21.700	26.300	25.300	21.800	21.500	20.700	19.700
44	30:30	3.900	5.100	6.400	3.000	3.400	3.400	2.500	2.500	2.300	2.600

TITLE = CASE 9　　DATE 85/10/30　　TIME 19:12:42

CH. INDEX		131 T= 47	132 T= 51	133 T= 52	134 T= 53	135 T= 54	136 T= 61	137 T= 62	138 T= 63	139 T= 64	140 T= 65
INITIAL		15.800	15.800	15.700	15.700	15.700	15.600	15.600	15.500	15.400	15.400
FINAL		18.500	18.100	17.400	17.400	17.000	17.500	17.400	17.500	17.400	17.300
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.100	-0.100	0.0	0.0	0.0	0.0	0.100	0.200	0.0	0.0
3	0: 0	0.200	0.0	0.100	0.0	0.100	0.0	0.100	0.200	0.100	0.0
4	0: 0	0.200	0.100	0.200	0.100	0.200	0.100	0.200	0.300	0.200	0.100
5	0:30	0.300	0.100	0.100	0.200	0.200	0.200	0.100	0.200	0.200	0.200
6	1: 0	0.500	2.400	1.400	1.100	0.500	0.100	0.200	0.500	0.200	0.200
7	1:30	0.700	10.900	9.000	8.300	4.800	2.700	2.100	2.500	1.800	2.100
8	2: 0	0.800	14.700	13.400	12.100	7.600	8.100	7.500	8.400	5.800	7.100
9	2:30	1.400	17.300	16.300	15.200	10.400	10.400	10.200	11.200	8.900	10.100
10	3: 0	4.400	20.100	18.900	18.100	13.700	12.800	12.600	13.200	10.800	12.600
11	3:30	7.500	21.700	20.000	19.300	15.400	15.100	14.800	15.300	12.700	14.300
12	4: 0	10.300	23.900	23.100	21.300	17.900	16.700	16.300	17.100	14.700	16.200
13	4:30	12.100	26.400	25.400	24.300	20.300	18.700	18.800	18.600	16.200	17.900
14	5: 0	14.200	29.600	28.400	26.700	22.500	21.000	20.300	21.000	18.000	19.800
15	5:30	15.800	30.500	29.200	27.400	23.900	22.600	21.900	22.800	19.900	21.500
16	6: 0	17.600	31.500	30.600	29.700	25.600	24.200	22.400	23.500	20.800	22.500
17	6:30	19.200	33.800	32.900	30.700	27.500	24.800	24.300	24.900	22.000	23.400
18	7: 0	20.600	34.400	33.000	31.400	28.400	26.100	25.500	25.900	23.400	24.900
19	7:30	21.600	34.900	34.000	32.100	29.500	26.800	25.900	26.700	24.200	25.500
20	8: 0	22.500	35.800	34.300	32.800	30.400	27.300	26.700	27.300	24.700	26.200
21	8:30	25.000	37.400	36.100	34.500	32.000	27.800	27.300	28.100	25.400	27.100
22	9: 0	26.500	37.800	36.900	35.300	32.800	28.600	28.900	29.300	26.500	27.800
23	9:30	26.900	38.500	37.400	35.500	33.500	29.200	28.800	29.600	27.000	28.300
24	10: 0	27.200	38.100	37.500	36.100	34.200	29.500	29.100	29.900	27.300	28.600
25	10:30	28.400	39.000	38.400	37.200	35.000	29.500	29.600	30.100	27.600	29.000
26	11: 0	28.300	41.000	39.200	38.000	35.800	30.400	30.300	30.900	28.000	29.500
27	11:30	29.100	40.400	39.200	37.400	36.000	31.000	30.800	31.400	28.300	29.600
28	12: 0	29.600	40.700	39.800	38.700	36.300	31.300	31.100	31.400	28.500	29.900
29	12:30	30.200	40.600	39.500	37.900	36.100	32.100	31.700	31.900	29.000	30.400
30	13: 0	30.000	39.800	39.000	36.900	35.700	30.700	30.700	31.600	29.100	30.300
31	13:30	29.800	39.500	38.500	36.700	35.200	29.900	29.500	30.700	28.400	29.200
32	14: 0	30.000	37.700	37.200	35.900	34.800	29.700	29.500	29.900	27.900	28.400
33	14:30	29.400	37.500	36.800	35.400	34.100	29.200	28.700	29.000	27.100	27.400
34	15: 0	29.700	35.300	35.500	33.500	32.900	28.400	27.900	28.300	26.100	26.900
35	15:30	28.400	34.400	33.700	32.400	31.700	27.100	27.000	27.500	25.700	26.000
36	16: 0	27.800	31.600	31.000	29.400	30.000	25.500	25.500	25.900	24.500	24.300
37	16:30	26.900	29.200	28.800	27.400	28.000	23.900	23.700	23.700	23.200	22.900
38	17: 0	25.900	27.900	26.600	25.800	26.300	21.200	21.400	22.400	21.700	21.200
39	17:30	24.600	24.600	24.100	23.600	24.100	19.800	20.000	20.000	20.200	19.600
40	18: 0	22.700	22.300	22.100	21.800	22.100	18.700	18.500	19.100	18.500	17.800
41	18:30	21.700	19.800	20.200	20.300	20.600	17.100	16.400	17.600	17.300	17.000
42	19: 0	20.100	18.500	18.700	18.800	19.700	15.400	15.300	16.300	15.800	15.300
43	19:30	18.800	17.200	17.500	17.400	17.700	14.900	14.800	15.300	14.800	14.400
44	30:30	2.700	2.300	2.200	2.200	2.100	1.900	1.800	2.000	1.800	1.700

TITLE * CASE 9 DATE 85/10/30 TIME 19:12:42

CH. INDEX		141 T= 71	142 T= 72	143 T= 73	144 T= 74	145 T= 81	146 T= 82	147 T= 83	148 T= 84	149 T= 85	150 T= 91
INITIAL		15.500	15.500	15.500	15.400	15.300	15.500	15.500	15.500	15.500	15.400
FINAL		17.500	17.100	17.200	17.100	16.800	17.000	17.000	17.200	17.800	16.700
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.100	-0.100	0.100	0.100	0.100	0.100	0.0	0.0	0.0	0.0
3	0: 0	0.100	0.0	0.100	0.100	0.100	0.0	0.100	0.0	0.100	0.0
4	0: 0	0.100	0.0	0.100	0.100	0.100	0.100	0.100	0.0	0.100	0.0
5	0:30	0.100	0.100	0.100	0.200	0.200	0.100	0.100	0.100	0.100	0.100
6	1: 0	0.200	0.100	0.200	0.200	0.200	0.100	0.200	0.100	0.200	0.0
7	1:30	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.100	0.100	0.100
8	2: 0	2.700	2.900	3.100	2.000	0.200	0.200	0.200	0.200	0.200	0.100
9	2:30	6.100	6.900	6.700	6.400	2.500	2.000	2.000	2.200	0.800	0.300
10	3: 0	7.000	8.900	8.900	8.500	5.000	5.100	5.000	4.900	2.300	2.400
11	3:30	9.900	10.500	10.500	10.200	6.800	7.100	7.400	6.200	5.700	4.100
12	4: 0	11.000	12.100	12.000	11.000	8.300	8.700	8.900	7.600	4.700	5.600
13	4:30	13.400	13.600	13.400	13.000	9.200	9.600	10.400	9.000	5.900	6.600
14	5: 0	13.300	15.000	14.700	14.300	10.400	10.800	11.300	10.100	6.900	7.400
15	5:30	16.000	16.900	16.600	16.000	11.700	12.200	12.400	11.400	7.800	8.600
16	6: 0	16.500	17.800	17.300	16.800	13.000	13.300	13.400	12.900	8.900	9.400
17	6:30	17.300	18.200	18.200	17.700	13.200	13.700	14.100	13.400	9.400	10.500
18	7: 0	19.700	19.500	19.200	18.700	14.100	14.700	15.000	14.200	10.100	11.100
19	7:30	20.000	20.300	19.800	19.600	15.200	15.700	15.900	14.600	10.800	11.900
20	8: 0	20.300	21.100	20.700	20.100	15.300	15.900	16.400	15.900	11.900	12.500
21	8:30	20.900	21.400	21.100	20.500	15.800	16.200	16.600	16.000	12.200	13.000
22	9: 0	22.400	22.200	21.700	21.100	16.000	16.300	16.900	16.200	12.700	12.900
23	9:30	22.700	23.000	22.400	21.900	16.700	17.100	17.000	16.900	13.300	13.600
24	10: 0	22.700	23.200	22.700	22.300	17.400	17.400	18.000	17.300	14.000	13.700
25	10:30	23.200	23.100	22.900	22.900	17.700	17.900	18.100	17.500	14.300	14.100
26	11: 0	21.100	24.000	23.300	22.800	17.400	17.700	18.900	17.700	14.600	14.100
27	11:30	23.300	24.200	23.800	23.400	18.100	18.100	19.100	18.200	14.900	14.000
28	12: 0	23.800	24.500	24.000	23.700	18.900	18.800	19.200	18.400	15.000	15.000
29	12:30	24.100	24.400	24.100	23.700	18.000	19.100	19.200	18.500	15.200	15.500
30	13: 0	24.800	24.800	24.500	24.100	18.700	19.000	19.200	18.400	15.400	15.100
31	13:30	23.900	24.900	24.300	23.900	18.900	19.300	19.500	18.400	15.800	15.400
32	14: 0	22.400	23.900	23.500	23.300	18.300	18.800	19.200	18.500	15.800	15.000
33	14:30	20.900	21.100	23.000	22.400	17.900	18.200	18.400	18.300	15.900	15.900
34	15: 0	21.400	22.400	22.200	21.900	17.800	17.900	18.400	17.900	15.800	14.400
35	15:30	21.900	21.900	21.900	21.900	17.000	17.400	17.900	17.500	15.600	14.400
36	16: 0	20.300	20.900	20.900	20.000	16.800	17.000	17.300	17.000	15.400	13.700
37	16:30	19.500	19.800	19.900	19.700	15.900	16.200	16.500	16.300	15.000	13.700
38	17: 0	17.700	18.900	18.500	18.400	14.800	15.200	15.400	15.800	14.700	12.700
39	17:30	16.200	17.000	17.200	17.100	13.900	14.400	14.500	14.700	14.200	12.100
40	18: 0	15.400	16.000	16.100	16.000	12.900	13.300	13.700	13.000	13.500	11.300
41	18:30	14.100	14.900	14.700	14.700	12.200	12.900	12.700	13.100	12.900	10.700
42	19: 0	12.700	13.300	13.400	13.700	10.900	11.400	11.000	12.000	12.300	10.100
43	19:30	11.400	12.500	12.500	12.900	10.100	10.000	10.400	11.200	11.700	9.200
44	20:30	1.000	1.000	1.700	1.700	1.500	1.500	1.500	1.700	2.300	1.300

TITLE * CASE 9 DATE 85/10/30 TIME 19:12:42

CH. INDEX		151 T= 92	152 T= 93	153 T= 94	154 T=101	155 T=102	156 T=103	157 T=104	158 T=105	159 T=111	160 T=112
INITIAL		15.500	15.500	15.400	15.600	15.300	15.400	15.500	15.400	15.400	15.200
FINAL		16.900	16.900	16.800	16.900	16.500	16.000	16.700	16.700	16.300	16.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.100	0.0	0.100	0.100	0.100	0.100	0.0	0.100	0.0	0.100
3	0: 0	0.0	0.0	0.100	0.0	0.100	0.0	0.0	0.0	0.0	0.100
4	0: 0	0.100	0.100	0.100	0.0	0.100	0.100	0.100	0.100	0.100	0.100
5	0:30	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.0	0.200
6	1: 0	0.100	0.100	0.200	0.0	0.100	0.100	0.100	0.100	0.100	0.100
7	1:30	0.100	0.100	0.200	0.100	0.100	0.200	0.100	0.200	0.100	0.200
8	2: 0	0.200	0.200	0.200	0.100	0.200	0.200	0.100	0.200	0.100	0.200
9	2:30	0.300	0.400	0.500	0.100	0.200	0.200	0.100	0.200	0.100	0.200
10	3: 0	2.400	3.000	3.300	0.400	0.800	1.100	0.700	0.900	0.100	0.200
11	3:30	4.400	4.900	5.400	2.000	2.600	3.300	2.500	2.000	1.400	1.700
12	4: 0	5.700	6.400	6.800	3.200	4.000	4.700	3.800	4.100	2.900	3.100
13	4:30	7.200	7.500	7.900	4.300	5.400	6.000	5.000	5.500	4.000	4.100
14	5: 0	8.100	8.500	8.900	5.300	6.300	6.000	6.100	6.300	4.900	4.900
15	5:30	8.000	9.400	9.800	6.300	7.700	7.600	6.800	7.100	5.500	5.600
16	6: 0	10.100	10.800	11.100	6.800	7.900	8.600	7.600	7.900	6.200	6.100
17	6:30	11.100	11.400	11.800	7.700	8.800	9.600	8.600	8.800	6.600	6.800
18	7: 0	11.700	12.100	12.400	8.400	9.600	10.200	9.400	9.600	7.500	7.500
19	7:30	12.900	12.700	13.000	9.000	9.900	10.400	9.800	10.100	8.000	8.200
20	8: 0	13.200	13.300	13.800	9.600	10.600	11.300	10.500	10.600	8.100	8.400
21	8:30	13.900	13.400	14.200	10.000	11.200	11.900	10.900	11.000	8.900	9.200
22	9: 0	13.700	14.200	14.500	10.700	11.900	11.600	11.300	11.300	9.100	9.400
23	9:30	14.100	14.600	14.800	10.400	11.700	12.200	11.500	11.700	9.400	9.700
24	10: 0	14.600	14.900	15.300	10.800	11.900	12.600	11.900	12.000	9.400	9.800
25	10:30	14.600	15.100	15.500	11.200	12.200	12.800	12.200	12.300	9.400	9.900
26	11: 0	14.000	15.300	15.600	11.300	12.300	13.000	12.300	12.500	9.800	10.100
27	11:30	15.100	15.500	15.800	11.600	12.700	13.100	12.400	12.700	10.200	10.400
28	12: 0	15.500	15.900	16.200	11.800	13.100	13.400	12.700	12.900	10.100	10.300
29	12:30	15.900	16.100	16.600	11.700	12.900	13.900	12.900	13.100	10.400	11.000
30	13: 0	15.600	16.200	16.400	11.900	13.300	13.800	13.100	13.200	10.300	11.700
31	13:30	15.800	16.100	16.600	12.100	13.400	13.800	13.100	13.200	10.900	11.000
32	14: 0	15.900	16.100	16.500	12.400	13.700	14.800	13.300	13.100	10.300	11.000
33	14:30	15.800	16.000	16.400	12.100	13.400	13.700	13.200	13.400	10.500	11.100
34	15: 0	15.400	15.800	15.900	11.900	13.000	13.500	13.100	12.900	10.400	11.300
35	15:30	15.000	15.400	15.500	11.700	12.800	13.100	12.800	12.800	10.200	10.800
36	16: 0	14.500	14.900	14.900	11.400	12.500	12.700	12.300	12.400	10.300	10.600
37	16:30	14.000	14.500	14.700	11.300	12.300	12.400	12.000	11.900	9.700	10.100
38	17: 0	13.400	13.800	14.100	10.800	11.700	11.900	11.700	11.700	9.500	9.000
39	17:30	12.700	13.000	13.100	10.200	11.000	11.200	11.100	11.200	8.900	9.000
40	18: 0	12.100	12.500	12.400	9.800	10.400	10.700	10.400	10.800	8.600	9.100
41	18:30	11.400	11.500	11.400	9.100	9.700	10.000	10.000	10.100	8.100	8.600
42	19: 0	10.600	10.700	11.000	8.900	8.800	9.200	9.100	9.400	7.100	8.300
43	19:30	9.900	10.000	10.100	8.100	8.500	8.800	8.000	8.800	7.000	7.600
44	20:30	1.400	1.400	1.400	1.300	1.200	1.400	1.200	1.300	0.900	1.200

TITLE * CASE 9 DATE 85/10/30 TIME 19:12:42

CH. INDEX		161 T=113	162 T=114	163 T=121	164 T=122	165 T=123	166 T=124	167 T=125	168 T=131	169 T=132	170 T=133
INITIAL		15.500	15.400	15.100	15.200	15.300	15.400	15.400	15.200	15.300	15.200
FINAL		16.500	16.000	16.300	16.100	16.100	16.300	16.500	16.000	16.000	16.100
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.100	0.100	0.0	0.100	0.100	0.0	0.100	0.0	0.100
3	0: 0	0.0	0.0	0.0	0.200	0.100	0.0	0.100	-0.100	0.0	0.0
4	0: 0	0.0	0.100	0.100	0.200	0.100	0.0	0.100	0.0	0.0	0.100
5	0:30	0.0	0.100	0.100	0.200	0.100	0.100	0.100	0.100	0.0	0.100
6	1: 0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.0	0.0	0.100
7	1:30	0.0	0.100	0.100	0.200	0.100	0.100	0.100	0.100	0.0	0.100
8	2: 0	0.100	0.200	0.100	0.200	0.100	0.100	0.100	0.100	0.0	0.200
9	2:30	0.100	0.200	0.100	0.200	0.100	0.100	0.100	0.100	0.0	0.100
10	3: 0	0.100	0.200	0.100	0.200	0.200	0.100	0.100	0.100	0.100	0.100
11	3:30	1.800	1.900	0.400	0.700	0.900	0.400	0.600	0.200	0.100	0.200
12	4: 0	3.300	3.500	1.800	2.200	2.200	2.400	2.300	1.100	1.200	1.100
13	4:30	4.500	4.700	2.700	3.000	3.200	3.500	3.400	2.200	2.500	2.500
14	5: 0	5.400	5.500	3.500	4.200	4.200	4.500	4.300	2.900	3.300	3.400
15	5:30	6.000	6.100	4.300	4.600	4.900	5.100	4.900	3.500	3.900	4.100
16	6: 0	6.800	6.800	4.400	5.200	5.300	5.500	5.400	4.000	4.500	4.600
17	6:30	7.500	7.600	5.200	5.700	6.100	6.300	6.200	4.400	4.800	5.100
18	7: 0	8.100	8.200	5.900	6.500	6.700	7.000	6.700	4.800	5.300	5.600
19	7:30	8.600	8.700	6.500	7.100	7.200	7.400	7.200	5.500	6.000	6.100
20	8: 0	8.900	9.100	6.700	7.400	7.600	7.900	7.700	5.600	6.300	6.500
21	8:30	9.600	9.700	7.200	7.800	8.000	8.100	8.100	6.100	6.700	6.800
22	9: 0	9.900	9.900	7.200	8.200	8.500	8.600	8.400	6.200	6.900	7.100
23	9:30	10.000	10.200	7.600	8.700	8.500	8.700	8.600	6.300	7.100	7.400
24	10: 0	10.300	10.300	7.600	8.900	8.800	9.000	8.700	6.700	7.400	7.600
25	10:30	10.500	10.600	8.100	8.700	9.000	9.100	8.800	7.000	7.700	7.800
26	11: 0	10.900	11.100	8.200	9.100	9.100	9.300	9.200	7.200	7.800	7.900
27	11:30	10.900	11.000	8.200	8.800	9.200	9.500	9.300	7.200	7.800	8.100
28	12: 0	11.000	11.100	8.300	9.000	9.400	9.500	9.400	7.200	7.900	8.300
29	12:30	11.300	11.500	8.300	9.600	9.700	9.800	9.700	7.400	8.000	8.300
30	13: 0	11.500	11.500	8.500	9.500	9.800	9.900	9.800	7.600	8.200	8.500
31	13:30	11.500	11.000	8.700	9.800	9.900	10.200	10.100	7.500	8.400	8.600
32	14: 0	11.600	11.600	8.700	9.800	9.900	10.000	9.900	7.800	8.300	8.500
33	14:30	11.400	11.700	8.500	9.600	9.800	10.100	10.100	7.700	8.600	8.600
34	15: 0	11.500	11.400	8.900	9.800	10.000	10.100	10.000	7.600	8.500	8.700
35	15:30	11.200	11.300	8.500	9.400	9.800	9.900	9.900	7.800	8.400	8.700
36	16: 0	11.000	10.900	8.300	9.100	9.500	9.600	9.500	7.600	8.100	8.300
37	16:30	10.500	10.400	7.800	8.900	9.200	9.200	9.100	7.400	8.000	8.200
38	17: 0	10.100	10.100	7.800	8.700	8.900	9.000	9.000	7.000	7.800	7.900
39	17:30	9.700	9.700	7.400	8.100	8.400	8.600	8.700	6.700	7.500	7.600
40	18: 0	9.300	9.500	7.100	8.000	8.300	8.400	8.300	6.600	7.300	7.400
41	18:30	8.900	9.000	6.800	7.500	7.900	8.100	7.900	6.300	6.900	7.100
42	19: 0	8.500	8.500	6.500	7.300	7.600	7.600	7.400	6.100	6.500	6.800
43	19:30	7.800	8.000	6.000	6.900	7.000	7.100	7.100	5.800	6.200	6.500
44	20:30	1.000	1.200	1.000	0.900	0.800	0.900	0.900	0.800	0.700	0.900

TITLE * CASE 9 DATE 85/10/30 TIME 19:12:42

CH. INDEX		171 T=134	172 T=141	173 T=151	201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31
INITIAL		15.400	13.500	16.200	0.168	0.156	0.156	0.161	0.162	0.160	0.160
FINAL		16.200	13.900	16.200	0.144	0.137	0.142	0.150	0.156	0.156	0.147
LOOP	TIME	(C)	(C)	(C)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	0.0	0.0	0.0	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	0.0	0.100	0.0	100.056	100.100	99.981	100.091	99.938	100.062	99.919
3	0: 0	0.0	0.0	0.0	100.000	100.019	99.987	100.075	99.981	99.994	99.875
4	0: 0	0.0	0.0	0.0	100.006	100.169	99.968	100.075	99.937	100.019	99.863
5	0:30	0.0	0.200	0.0	87.440	91.612	96.385	99.776	99.895	100.031	98.078
6	1: 0	0.0	0.100	0.0	70.556	71.613	89.336	88.573	95.975	100.019	88.608
7	1:30	0.0	0.200	0.0	77.340	76.616	88.676	79.193	87.875	100.031	79.688
8	2: 0	0.0	0.200	0.0	81.570	78.913	89.638	81.928	80.125	99.981	87.643
9	2:30	0.0	0.100	0.0	88.411	78.866	91.491	85.166	81.327	99.981	86.000
10	3: 0	0.100	0.0	0.0	81.017	81.906	91.603	85.285	85.966	100.006	87.775
11	3:30	0.100	0.0	0.0	83.396	81.999	91.058	86.870	85.665	98.853	87.617
12	4: 0	1.400	-0.100	0.0	86.886	85.662	93.456	87.166	86.777	99.171	89.846
13	4:30	2.000	0.0	0.0	76.041	75.700	89.430	88.270	86.170	97.376	87.411
14	5: 0	3.500	-0.100	0.100	76.777	75.770	88.506	80.607	78.951	85.665	78.792
15	5:30	4.100	-0.100	0.0	79.556	79.000	90.708	81.498	79.141	87.792	81.179
16	6: 0	4.000	-0.200	0.0	81.740	81.001	91.279	85.320	81.068	85.144	85.307
17	6:30	5.100	-0.200	0.100	81.656	81.086	91.626	85.669	83.066	89.889	86.007
18	7: 0	5.400	-0.300	0.0	80.365	79.979	91.786	85.372	85.677	91.921	85.982
19	7:30	6.200	-0.400	0.0	80.806	80.617	91.111	86.710	87.215	87.965	86.866
20	8: 0	6.400	-0.400	0.0	83.132	83.156	92.219	86.599	81.886	78.594	86.556
21	8:30	6.800	-0.400	0.100	85.060	85.190	96.133	88.808	86.676	76.300	88.678
22	9: 0	7.200	-0.500	0.100	87.319	87.821	96.747	90.598	87.438	79.055	90.765
23	9:30	7.100	-0.400	0.0	89.566	90.206	96.170	94.056	93.464	78.566	94.765
24	10: 0	7.400	-0.250	0.0	89.826	90.199	95.947	94.638	93.093	79.581	94.752
25	10:30	7.700	-0.400	0.0	89.876	90.356	96.159	94.825	94.120	84.748	94.976
26	11: 0	7.900	-0.400	0.0	89.888	90.450	96.376	94.960	95.016	85.076	94.908
27	11:30	8.100	-0.500	0.0	89.566	90.250	96.101	95.292	94.555	85.696	94.888
28	12: 0	8.200	-0.300	0.0	89.688	90.266	96.266	95.919	95.660	88.060	94.937
29	12:30	8.200	-0.500	0.0	89.697	90.219	96.185	95.803	96.605	89.007	94.737
30	13: 0	8.500	-0.300	0.0	89.379	90.167	96.031	96.033	96.296	90.057	94.903
31	13:30	8.500	-0.400	0.0	89.743	90.135	95.967	95.969	95.902	90.776	94.845
32	14: 0	8.600	-0.300	0.0	89.159	90.161	95.873	96.151	96.456	91.610	94.813
33	14:30	8.300	-0.400	0.0	88.020	89.916	95.678	95.960	96.540	91.990	94.716
34	15: 0	8.600	-0.400	0.0	88.356	89.600	95.499	95.603	96.140	92.956	94.665
35	15:30	8.600	-0.400	0.0	88.011	89.150	95.248	95.610	96.456	93.760	93.900
36	16: 0	8.200	-0.200	0.0	87.407	88.740	94.866	95.329	96.553	93.611	93.765
37	16:30	8.100	-0.100	0.0	87.005	88.310	94.556	95.604	96.166	93.473	93.386
38	17: 0	7.900	-0.100	0.0	86.761	88.055	94.312	94.708	96.910	93.867	93.107
39	17:30	7.600	-0.200	0.0	86.656	88.006	94.100	94.900	96.796	93.716	92.947
40	18: 0	7.400	-0.100	0.0	86.065	87.980	93.044	94.591	95.941	92.986	92.555
41	18:30	7.100	-0.100	0.0	86.274	87.679	93.458	94.128	95.733	94.278	92.273
42	19: 0	6.700	0.0	-0.100	85.762	87.127	93.563	94.669	95.578	94.857	92.579
43	19:30	6.300	0.200	-0.100	86.333	87.893	93.376	94.914	96.022	94.866	92.542
44	20:30	8.000	0.400	0.0	85.423	86.014	91.093	95.474	96.456	97.207	91.724

TITLE = CASE 9 DATE 85/10/30 TIME 19:12:42

CH. INDEX		208 S= 32	209 S= 33	210 S= 34	211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 45	217 S= 51
INITIAL		0.159	0.155	0.157	0.160	0.155	0.160	0.155	0.145	0.167	0.157
FINAL		0.140	0.144	0.144	0.154	0.147	0.151	0.149	0.139	0.157	0.148
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	100.018	99.903	100.057	99.958	100.116	100.012	100.052	99.965	100.056	99.963
3	0: 0	100.019	99.968	100.037	100.000	100.071	100.019	100.052	99.972	99.966	99.981
4	0: 0	100.038	99.929	100.063	99.964	100.090	99.969	100.071	99.959	99.819	99.955
5	0:30	99.311	99.896	100.013	99.975	100.071	100.006	100.066	100.007	99.816	100.013
6	1: 0	83.085	93.575	93.250	99.996	93.580	91.003	97.662	99.585	99.920	99.911
7	1:30	80.067	84.175	81.815	98.737	85.035	87.836	89.311	97.450	99.790	93.852
8	2: 0	73.440	85.901	80.710	99.022	83.932	88.008	85.032	83.973	99.760	86.706
9	2:30	80.519	88.147	84.558	86.623	87.415	83.822	88.532	83.008	85.071	87.915
10	3: 0	79.065	89.227	87.333	83.000	87.936	85.005	89.543	84.693	81.950	84.150
11	3:30	82.758	90.703	87.792	85.607	89.249	86.612	90.103	85.799	84.897	89.686
12	4: 0	83.309	90.528	87.707	85.197	84.726	87.367	90.787	87.136	85.177	90.300
13	4:30.	82.863	91.058	88.018	86.135	90.627	88.722	91.905	87.716	83.350	90.019
14	5: 0	68.223	85.225	83.067	85.055	84.996	85.122	88.551	87.018	83.960	91.606
15	5:30	75.032	84.783	79.675	79.012	82.096	76.596	86.667	79.538	82.806	87.069
16	6: 0	77.893	86.950	82.600	78.216	85.728	82.608	88.771	80.669	78.887	86.900
17	6:30	70.320	87.792	82.696	82.151	87.090	86.290	88.615	83.690	77.060	86.276
18	7: 0	77.545	88.009	86.196	82.320	87.177	86.671	88.950	83.001	78.875	87.681
19	7:30	76.165	86.756	82.399	81.859	86.730	83.972	88.609	86.181	79.000	87.585
20	8: 0	78.326	87.519	83.821	81.620	86.663	83.629	88.203	81.255	80.615	87.170
21	8:30	82.711	89.290	86.907	85.721	88.520	85.695	89.565	86.561	79.968	87.160
22	9: 0	89.236	91.272	87.703	85.667	90.256	87.910	91.212	85.501	80.869	88.109
23	9:30	91.977	95.186	91.288	89.012	93.503	91.125	93.589	88.231	86.741	89.718
24	10: 0	91.660	94.793	92.793	90.063	94.720	93.422	95.671	91.900	85.326	92.183
25	10:30	92.616	95.320	93.297	92.089	95.095	93.990	95.066	93.068	89.211	93.603
26	11: 0	93.137	95.315	95.631	92.650	95.201	94.305	96.295	96.580	92.661	93.857
27	11:30	92.910	95.089	93.035	94.260	95.590	94.606	96.826	96.912	93.761	93.701
28	12: 0	93.507	95.439	93.916	94.803	95.777	94.076	96.675	95.340	94.807	93.720
29	12:30	93.211	95.738	94.957	94.522	95.861	94.838	96.916	95.665	94.807	93.686
30	13: 0	93.519	95.965	94.605	95.335	96.096	95.281	97.159	96.267	95.451	93.608
31	13:30	93.729	95.833	94.701	95.553	96.202	95.261	96.951	96.315	95.867	93.668
32	14: 0	93.560	95.638	94.889	96.010	96.006	95.537	97.307	96.589	95.457	93.615
33	14:30	91.865	95.575	94.755	96.266	95.867	95.150	97.049	96.619	95.729	93.307
34	15: 0	91.880	95.619	94.776	95.967	95.848	95.057	97.017	96.515	95.823	93.163
35	15:30	91.307	94.889	94.273	96.366	95.010	95.032	96.907	96.366	95.927	93.626
36	16: 0	93.006	94.577	94.019	95.991	95.217	94.678	96.759	96.294	95.618	92.759
37	16:30	92.576	94.662	93.796	95.661	95.140	94.828	96.701	96.108	95.616	92.579
38	17: 0	92.391	94.215	93.587	95.677	94.863	94.565	96.527	96.121	95.655	92.401
39	17:30	92.368	94.086	93.640	95.729	94.011	94.527	96.637	96.197	95.610	92.240
40	18: 0	92.065	93.709	93.266	95.272	96.005	94.152	96.579	96.232	96.162	92.008
41	18:30	91.687	93.731	93.176	95.661	96.678	96.295	96.319	96.011	95.762	92.069
42	19: 0	92.156	93.866	92.952	95.006	96.528	96.108	96.128	95.920	95.669	91.967
43	19:30	92.262	93.636	91.022	95.528	96.638	96.058	96.348	96.011	95.960	91.768
44	20:30	93.129	93.271	92.755	96.391	96.612	96.265	96.302	96.666	97.566	96.508

TITLE = CASE 9 DATE 85/10/30 TIME 19:12:42

CH. INDEX		218 S= 52	219 S= 53	220 S= 54	221 S= 61	222 S= 62	223 S= 63	224 S= 64	225 S= 71	226 S= 72	227 S= 81
INITIAL		0.163	0.163	0.157	0.152	0.158	0.151	0.154	0.155	0.155	0.150
FINAL		0.152	0.155	0.142	0.145	0.151	0.143	0.149	0.150	0.147	0.152
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	100.000	99.951	100.028	100.000	100.037	100.013	100.057	99.996	100.013	100.006
3	0: 0	99.975	99.965	99.928	100.007	100.015	99.887	100.013	100.000	100.026	100.006
4	0: 0	99.902	99.975	99.835	100.013	100.019	99.776	100.006	99.981	100.037	100.013
5	0:30	99.871	100.069	99.855	100.033	100.025	99.861	100.006	100.026	100.039	100.038
6	1: 0	99.883	99.631	99.699	100.066	100.061	99.907	100.065	100.032	100.065	100.066
7	1:30	91.596	93.605	91.650	98.347	96.576	98.392	99.136	100.000	100.058	100.066
8	2: 0	82.922	89.602	85.603	91.077	92.785	90.745	96.611	97.367	96.690	100.013
9	2:30	85.967	89.276	85.231	86.627	86.771	82.993	90.857	90.677	88.132	97.510
10	3: 0	85.536	90.146	87.123	86.151	85.175	83.576	90.902	85.225	79.307	93.390
11	3:30	86.699	88.969	88.568	85.769	86.553	85.150	92.081	86.612	79.871	86.067
12	4: 0	87.511	91.275	90.087	86.938	87.698	86.320	92.533	86.537	81.713	87.675
13	4:30	87.670	91.653	89.900	87.675	88.058	86.092	92.702	86.826	82.696	88.965
14	5: 0	88.333	92.166	90.326	87.717	88.363	87.157	92.878	87.612	81.877	89.553
15	5:30	83.217	89.067	85.907	87.967	88.275	87.230	92.897	87.869	84.131	89.638
16	6: 0	79.696	86.868	82.630	81.818	87.668	81.106	89.612	87.156	83.956	89.816
17	6:30	81.769	88.165	86.608	80.621	81.796	79.237	88.863	81.559	77.077	88.808
18	7: 0	82.858	89.036	85.396	82.698	83.396	81.616	89.709	80.180	75.359	85.866
19	7:30	83.716	89.491	85.390	83.666	86.286	82.838	90.208	82.276	77.777	86.758
20	8: 0	82.603	88.643	86.605	85.203	86.056	82.599	90.027	85.601	78.772	85.583
21	8:30	82.012	88.631	86.711	82.796	85.630	81.808	89.296	87.608	78.810	86.066
22	9: 0	86.051	89.567	86.002	85.225	83.861	82.207	89.670	87.096	77.966	85.716
23	9:30	86.802	91.170	87.577	85.158	85.865	86.180	90.507	82.695	79.887	85.506
24	10: 0	89.066	92.752	89.076	87.189	87.695	88.611	91.575	86.551	81.189	85.653
25	10:30	91.358	93.851	91.807	90.816	91.157	90.076	93.675	87.609	85.258	87.669
26	11: 0	91.676	94.160	92.278	92.676	92.787	91.775	94.020	90.368	88.759	89.668
27	11:30	91.780	93.906	92.516	92.691	92.901	92.260	94.183	91.958	90.871	92.091
28	12: 0	91.769	94.005	92.283	92.967	93.191	92.678	94.176	92.113	91.377	93.770
29	12:30	91.763	93.951	92.263	93.183	93.367	92.751	94.118	92.607	91.635	93.510
30	13: 0	91.939	93.691	91.967	93.186	93.602	92.525	93.936	92.795	92.030	93.670
31	13:30	91.670	93.617	92.079	93.360	93.539	92.866	93.780	92.917	92.127	93.867
32	14: 0	91.516	93.335	91.967	93.262	93.519	92.791	93.676	93.125	92.275	93.897
33	14:30	91.365	93.248	92.019	93.121	93.695	92.826	93.579	92.995	92.185	94.190
34	15: 0	93.995	92.966	91.637	93.307	93.602	92.830	93.197	93.175	92.075	94.144
35	15:30	90.885	92.855	91.650	93.201	93.516	92.957	93.267	93.276	92.553	94.196
36	16: 0	90.676	92.507	91.228	93.157	93.600	92.665	93.092	93.216	92.327	94.266
37	16:30	90.332	92.357	91.103	93.032	93.780	92.638	92.917	93.175	92.695	94.298
38	17: 0	90.099	92.172	90.866	92.975	93.166	92.652	92.715	93.085	92.507	94.779
39	17:30	89.854	91.988	90.662	92.867	93.021	92.319	92.572	93.091	92.370	94.165
40	18: 0	89.751	91.785	90.666	92.763	92.932	92.200	92.623	93.098	92.762	94.171
41	18:30	89.655	91.717	90.392	92.619	92.703	92.006	92.780	92.057	92.075	91.976
42	19: 0	89.668	91.596	90.161	92.586	92.768	92.060	92.157	92.905	91.869	94.050
43	19:30	89.376	91.610	90.069	92.681	92.660	91.961	92.079	92.011	91.978	94.006
44	20:30	93.087	94.238	93.376	95.400	95.442	93.866	94.683	96.670	95.217	94.213

TITLE = CASE 9 DATE 85/10/30 TIME 19:12:42

CH. INDEX		228 S= 82	229 S= 83	230 S= 91	231 S= 92	232 S=101	233 S=102	234 S=103	235 S=111	236 S=112	237 S=121
INITIAL		0.156	0.156	0.158	0.158	0.149	0.156	0.159	0.157	0.156	0.159
FINAL		0.151	0.151	0.156	0.153	0.147	0.153	0.156	0.156	0.150	0.157
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	100.019	100.019	100.013	100.006	100.047	100.013	100.019	100.019	99.993	100.019
3	0: 0	100.013	100.013	100.006	99.987	100.013	100.013	100.019	100.019	99.993	100.019
4	0: 0	100.006	100.013	99.987	99.987	100.007	100.019	100.013	100.025	99.987	100.031
5	0:30	100.006	100.026	99.987	99.981	99.960	100.032	100.013	100.044	100.000	100.044
6	1: 0	100.012	100.012	100.013	99.960	100.013	100.045	100.038	100.057	100.013	100.057
7	1:30	100.006	100.032	99.981	99.962	100.000	100.045	100.019	100.064	100.000	100.069
8	2: 0	99.994	100.032	99.981	99.969	100.007	100.045	100.025	100.070	100.000	100.075
9	2:30	98.049	97.131	99.981	99.962	100.034	100.090	100.050	100.114	100.031	100.101
10	3: 0	98.079	91.701	97.957	99.475	99.298	99.115	99.024	100.121	100.038	100.107
11	3:30	85.607	86.339	93.962	98.586	96.532	92.929	92.988	97.600	97.059	99.050
12	4: 0	86.216	87.015	92.603	98.208	88.515	86.875	86.263	98.006	89.366	95.776
13	4:30	88.038	88.660	92.878	98.150	86.610	83.701	85.620	85.239	81.907	95.111
14	5: 0	86.396	88.928	93.568	98.560	87.185	86.906	86.825	86.109	82.526	87.673
15	5:30	88.700	89.332	93.713	98.610	85.308	85.959	87.755	87.901	84.100	88.006
16	6: 0	89.201	89.698	93.790	98.610	88.966	86.915	88.205	88.709	86.920	89.195
17	6:30	87.558	88.556	94.009	98.608	88.678	86.671	88.166	89.141	85.600	89.145
18	7: 0	82.616	86.116	92.160	98.261	88.897	86.025	87.637	88.850	85.616	89.277
19	7:30	82.911	83.851	90.387	97.781	86.695	81.835	86.152	88.518	86.237	89.220
20	8: 0	86.160	86.636	90.592	97.851	82.538	79.256	81.570	83.767	79.195	87.553
21	8:30	85.119	85.900	91.665	90.866	86.066	81.020	82.560	82.206	78.606	81.522
22	9: 0	86.050	85.655	91.601	98.072	85.232	82.676	86.058	83.718	79.776	86.961
23	9:30	86.295	85.122	91.367	97.977	86.966	82.072	86.102	86.673	80.690	85.668
24	10: 0	86.789	85.601	90.886	97.876	85.006	81.898	83.140	86.588	80.631	85.867
25	10:30	86.287	87.182	91.855	97.983	86.601	81.732	83.503	86.632	79.917	86.019
26	11: 0	89.252	89.891	92.737	98.161	88.619	83.528	85.267	85.260	80.769	86.226
27	11:30	92.166	92.362	94.265	98.666	88.756	86.325	87.102	86.507	83.137	86.950
28	12: 0	93.261	93.832	95.639	98.616	91.506	89.816	90.098	88.819	85.508	88.327
29	12:30	93.600	94.217	95.907	98.755	93.620	92.117	92.165	92.538	89.649	91.168
30	13: 0	93.705	94.262	96.137	98.696	94.566	93.163	92.914	94.170	91.913	93.358
31	13:30	93.896	94.622	96.291	98.691	95.035	93.665	93.362	95.009	92.750	94.730
32	14: 0	94.016	94.538	96.264	98.620	95.377	93.900	93.681	95.161	93.086	95.132
33	14:30	94.195	94.705	96.276	98.571	95.658	94.131	93.550	95.602	93.532	95.166
34	15: 0	94.252	94.743	96.346	98.508	95.852	94.386	93.695	95.593	93.566	95.572
35	15:30	94.316	94.779	96.333	98.651	96.093	94.586	93.859	95.879	93.670	95.786
36	16: 0	94.412	94.925	96.340	98.369	96.147	94.676	94.090	95.907	94.067	95.956
37	16:30	94.400	94.872	96.365	98.308	96.422	94.808	94.041	96.228	94.255	96.195
38	17: 0	94.376	94.816	96.316	98.226	96.556	95.041	94.142	96.329	94.425	96.252
39	17:30	94.297	94.788	96.276	98.148	96.665	95.131	94.167	96.565	94.561	96.407
40	18: 0	94.259	94.892	96.207	98.053	96.766	95.055	94.199	96.558	94.672	96.566
41	18:30	94.156	94.808	96.156	97.866	96.886	95.106	94.148	96.565	94.631	96.491
42	19: 0	94.080	94.966	96.080	97.876	96.891	95.125	94.121	96.670	94.665	96.560
43	19:30	94.892	94.668	96.016	97.787	96.078	95.061	94.106	96.672	94.672	96.629
44	20:30	96.673	96.617	97.656	98.091	98.027	97.949	96.932	98.032	97.763	98.966

TITLE = CASE 9 DATE 85/10/30 TIME 19:12:42

CH. INDEX		238 S=122	239 S=123	240 S=131
INITIAL		0.155	0.156	0.157
FINAL		0.153	0.156	0.170
LOOP	TIME	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000
2	0: 0	99.996	100.006	100.262
3	0: 0	100.013	100.006	100.496
4	0: 0	100.000	100.000	100.676
5	0:30	100.019	100.013	100.776
6	1: 0	100.016	100.076	101.100
7	1:30	100.026	100.006	101.303
8	2: 0	100.019	100.000	101.557
9	2:30	100.058	100.051	101.761
10	3: 0	100.086	100.070	102.142
11	3:30	99.715	99.885	102.518
12	4: 0	96.177	97.921	102.563
13	4:30	90.989	96.996	102.613
14	5: 0	89.165	95.976	102.786
15	5:30	89.611	96.242	103.051
16	6: 0	90.672	96.677	103.318
17	6:30	90.966	95.022	103.671
18	7: 0	91.893	95.188	103.687
19	7:30	91.377	95.019	103.935
20	8: 0	89.165	93.675	104.096
21	8:30	86.396	92.306	104.310
22	9: 0	86.138	92.306	104.482
23	9:30	87.769	93.181	104.669
24	10: 0	87.878	93.866	104.361
25	10:30	87.761	92.728	104.679
26	11: 0	87.612	92.593	104.850
27	11:30	88.738	93.163	104.965
28	12: 0	89.968	94.116	104.288
29	12:30	92.619	93.286	105.047
30	13: 0	94.217	96.051	105.219
31	13:30	95.297	96.722	105.629
32	14: 0	95.651	96.907	105.675
33	14:30	95.815	96.998	105.996
34	15: 0	95.957	97.041	105.868
35	15:30	96.209	97.118	106.001
36	16: 0	96.326	97.145	105.965
37	16:30	96.507	97.150	105.876
38	17: 0	96.610	97.175	105.995
39	17:30	96.606	97.165	106.108
40	18: 0	96.809	97.199	106.309
41	18:30	96.700	97.131	106.568
42	19: 0	96.772	97.094	106.579
43	19:30	96.876	97.086	106.288
44	20:30	98.455	98.236	109.283

実験No.27　TITLE = CASE 12　(A)　DATE 85/10/30　TIME 11: 8:33

CH. INDEX		101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		19.000	19.200	18.400	18.200	17.600	17.700	17.700	17.500	17.500	18.400
FINAL		25.000	18.300	18.000	17.400	17.600	17.500	17.300	17.300	17.400	17.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0' 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0' 0	0.0	-0.100	0.100	-0.200	0.0	0.0	-0.100	0.0	0.0	0.200
3	0' 0	0.0	-0.200	0.0	-0.200	0.0	0.0	0.0	0.0	0.100	0.200
4	0' 0	21.500	3.000	2.600	1.200	0.100	0.100	0.100	0.0	0.100	0.200
5	0'30	39.000	21.600	9.800	2.600	0.100	0.200	0.0	0.100	0.100	8.000
6	1' 0	50.000	27.900	15.400	2.000	0.600	0.300	-0.100	0.100	0.200	18.000
7	1'30	59.100	34.200	16.900	1.900	0.700	0.400	0.100	0.200	0.200	21.900
8	2' 0	62.800	36.600	20.700	2.200	0.800	0.500	0.600	0.200	0.200	24.000
9	2'30	66.600	35.800	22.300	2.700	1.000	0.600	0.600	0.100	0.300	26.500
10	3' 0	69.000	37.700	23.600	2.000	1.300	0.700	0.200	0.100	0.300	28.100
11	3'30	72.600	38.000	25.900	3.900	1.500	0.800	0.600	0.400	0.400	29.100
12	4' 0	76.100	40.000	28.200	9.600	1.900	1.000	0.700	0.500	0.500	29.800
13	4'30	78.300	41.300	29.700	13.600	2.600	1.500	0.800	0.600	0.600	30.500
14	5' 0	78.700	43.000	32.100	15.600	3.000	2.500	1.300	0.900	0.600	31.500
15	5'30	83.000	46.400	33.600	16.900	3.800	3.000	2.100	1.600	0.800	33.600
16	6' 0	85.000	47.700	35.600	17.000	4.200	3.400	2.400	1.900	1.100	35.500
17	6'30	88.400	49.400	37.000	18.400	5.100	4.000	2.500	2.000	1.400	37.300
18	7' 0	90.100	50.100	38.000	18.700	5.600	4.300	2.900	2.200	1.500	38.000
19	7'30	92.100	52.000	37.000	20.300	6.500	4.600	3.100	2.500	1.700	38.700
20	8' 0	91.100	52.000	37.000	21.200	8.100	5.100	3.600	2.700	2.100	39.700
21	8'30	95.700	52.000	37.700	21.600	9.700	5.900	3.900	2.900	2.600	39.500
22	9' 0	92.000	53.200	38.300	19.000	10.400	6.100	4.200	3.500	2.800	40.800
23	9'30	89.600	53.800	38.000	17.600	10.800	6.800	4.600	4.100	3.100	40.700
24	10' 0	90.400	53.500	37.100	16.000	10.900	7.500	5.600	4.700	3.100	40.600
25	10'30	91.000	53.900	38.700	16.000	10.900	8.100	5.800	4.800	3.100	41.000
26	11' 0	88.400	52.200	39.100	16.100	10.300	8.500	6.200	4.900	3.400	41.100
27	11'30	85.000	51.300	37.800	17.100	10.200	8.700	6.300	4.900	3.400	40.900
28	12' 0	83.400	50.700	37.100	18.000	10.600	8.900	6.500	4.700	3.500	39.600
29	12'30	82.300	49.000	36.700	18.700	10.700	9.000	6.900	4.900	3.500	38.500
30	13' 0	80.900	48.000	35.600	18.700	10.600	9.100	7.100	5.100	3.500	37.900
31	13'30	77.000	46.300	34.500	19.000	10.900	9.300	7.100	5.500	3.500	36.600
32	14' 0	74.200	44.200	33.300	18.500	11.000	9.400	7.300	5.900	4.000	35.200
33	14'30	70.800	41.900	32.300	18.100	11.600	9.400	7.400	6.100	4.000	33.800
34	15' 0	66.500	40.300	31.100	17.900	11.700	9.400	7.400	6.200	4.100	32.000
35	15'30	63.200	38.100	29.300	16.900	11.100	9.400	7.500	6.200	4.200	30.700
36	16' 0	60.600	36.500	28.100	16.400	10.900	9.300	7.500	6.600	4.400	29.200
37	16'30	57.000	34.800	26.700	15.700	10.700	9.200	7.600	6.600	4.400	28.100
38	17' 0	52.100	32.000	26.200	15.000	10.500	9.100	7.400	6.300	4.500	26.700
39	17'30	47.600	29.500	24.600	14.000	10.300	9.000	7.500	6.200	4.500	25.200
40	18' 0	43.600	26.600	22.500	13.900	10.100	8.800	7.400	6.100	4.500	22.800
41	18'30	40.200	24.300	20.900	11.600	10.000	8.600	7.100	5.600	4.500	21.600
42	19' 0	37.600	22.900	19.400	13.000	9.800	8.400	7.000	5.600	4.500	19.600
43	19'30	35.100	21.100	18.100	12.600	9.600	8.200	6.900	5.700	4.300	18.300
44	34'30	5.200	-0.900	-0.400	-0.800	0.0	-0.200	-0.400	-0.200	-0.100	-0.800

TITLE = CASE 12　DATE 85/10/30　TIME 11: 8:33

CH. INDEX		111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		19.500	18.000	19.100	17.400	17.500	17.900	17.600	18.700	18.100	18.000
FINAL		21.600	17.800	17.300	17.100	17.300	17.400	17.300	19.600	18.500	18.200
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0' 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0' 0	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.100
3	0' 0	0.0	0.100	-0.900	0.0	0.0	0.100	0.100	0.100	0.0	0.100
4	0' 0	0.100	0.200	-0.800	0.100	0.0	0.100	0.100	0.200	0.100	0.100
5	0'30	0.100	2.100	-0.100	0.100	0.100	0.100	0.100	0.100	0.200	0.100
6	1' 0	0.900	5.000	0.500	0.100	0.100	0.100	0.100	3.900	2.000	0.700
7	1'30	1.900	5.300	0.700	0.300	0.200	0.100	0.200	7.000	6.400	1.800
8	2' 0	2.900	6.600	0.900	0.400	0.300	0.100	0.200	9.600	9.100	2.800
9	2'30	4.000	7.400	0.700	0.400	0.300	0.200	0.200	11.900	11.800	4.100
10	3' 0	5.100	9.000	1.200	0.400	0.400	0.200	0.300	13.600	14.000	4.600
11	3'30	6.300	16.000	2.600	0.900	0.600	0.200	0.500	14.900	15.700	5.500
12	4' 0	7.400	17.900	4.100	2.000	1.400	0.400	0.600	16.000	17.600	5.700
13	4'30	8.400	19.000	5.000	3.100	2.100	0.800	0.600	16.900	17.800	6.300
14	5' 0	9.200	20.400	5.400	3.600	2.700	1.100	0.800	17.700	18.800	6.900
15	5'30	10.000	22.000	6.500	4.500	3.100	1.300	0.900	18.700	19.800	7.300
16	6' 0	10.800	23.100	7.000	4.900	3.300	1.500	1.000	19.000	21.300	8.400
17	6'30	11.700	25.300	7.500	5.100	3.500	1.700	1.200	21.700	22.800	9.100
18	7' 0	12.300	26.700	7.700	5.600	3.700	1.900	1.300	22.300	24.100	9.900
19	7'30	13.000	27.500	8.300	6.000	4.000	2.200	1.400	23.300	25.000	10.900
20	8' 0	13.600	28.100	8.800	6.500	4.600	2.500	1.600	24.700	25.900	11.500
21	8'30	14.100	28.400	9.200	6.700	4.700	2.700	1.700	24.900	26.600	12.100
22	9' 0	14.500	28.400	9.500	7.000	4.900	2.900	1.900	25.400	27.200	12.900
23	9'30	14.900	29.000	10.100	7.200	5.100	3.200	2.000	25.900	27.600	13.000
24	10' 0	15.200	29.900	10.600	7.600	5.200	3.600	2.100	26.200	28.100	13.500
25	10'30	15.500	28.600	11.100	7.900	5.900	3.800	2.400	26.500	28.100	14.500
26	11' 0	15.700	27.000	11.100	8.100	5.600	4.000	2.600	26.700	28.900	14.800
27	11'30	15.800	25.100	11.200	8.200	5.800	4.300	2.800	26.800	28.700	15.400
28	12' 0	15.900	26.500	11.600	8.600	6.100	4.500	2.900	26.600	28.500	15.800
29	12'30	16.000	26.500	11.500	8.800	6.600	4.900	3.200	26.000	28.200	16.000
30	13' 0	16.000	25.700	11.300	9.200	6.700	5.200	3.500	26.100	27.700	16.100
31	13'30	15.800	25.400	11.400	9.300	6.900	5.500	3.900	25.700	27.200	16.100
32	14' 0	15.700	24.800	11.400	9.600	7.100	5.800	4.200	25.200	26.600	16.000
33	14'30	15.600	24.500	11.500	9.600	7.100	6.000	4.500	24.900	25.900	15.900
34	15' 0	15.400	23.900	11.600	9.500	7.300	6.100	4.600	23.900	25.100	15.700
35	15'30	15.100	22.600	11.700	9.500	7.400	6.200	4.800	23.100	24.300	15.500
36	16' 0	14.900	21.600	11.500	9.200	7.500	6.200	5.000	22.600	23.600	15.400
37	16'30	14.500	21.300	11.500	9.000	7.200	6.200	5.000	21.700	22.500	15.200
38	17' 0	14.200	20.100	11.400	8.800	7.100	6.100	5.000	20.800	21.700	15.000
39	17'30	13.800	19.800	11.100	8.600	7.000	6.100	5.000	20.100	20.900	14.800
40	18' 0	13.400	18.000	10.800	8.400	6.900	5.900	4.900	19.200	19.900	14.400
41	18'30	12.900	17.600	10.500	8.400	6.800	5.900	4.800	18.300	18.800	14.100
42	19' 0	12.500	16.400	10.600	8.200	6.700	5.700	4.700	17.200	17.700	13.700
43	19'30	11.800	15.400	10.200	7.900	6.500	5.700	4.700	16.300	16.700	13.200
44	34'30	2.100	-0.200	-1.000	-0.300	-0.200	-0.300	-0.100	0.900	0.400	0.200

TITLE = CASE 12　DATE 85/10/30　TIME 11: 8:33

CH. INDEX		121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 41	126 T= 42	127 T= 43	128 T= 44	129 T= 45	130 T= 46
INITIAL		17.400	17.900	17.900	17.100	17.700	17.600	17.100	16.900	17.000	17.000
FINAL		17.300	17.900	17.900	17.100	17.700	17.400	17.000	16.800	16.800	16.900
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0' 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0' 0	0.100	0.0	0.100	0.100	0.0	0.0	0.0	0.0	0.0	0.0
3	0' 0	0.100	0.0	0.100	0.100	0.100	0.0	0.100	0.0	0.0	0.0
4	0' 0	0.100	0.0	0.200	0.100	0.100	0.0	0.0	0.100	0.0	0.0
5	0'30	0.100	0.0	0.100	0.100	0.0	0.0	0.100	0.100	0.0	0.100
6	1' 0	0.200	0.100	0.300	0.100	0.100	0.0	0.100	0.100	0.100	0.100
7	1'30	0.200	0.200	0.400	0.200	2.500	2.200	2.500	1.900	1.600	1.300
8	2' 0	0.300	0.100	0.400	0.200	5.200	4.800	5.000	4.100	2.900	1.300
9	2'30	0.400	0.300	0.600	0.200	7.500	7.200	7.700	5.000	4.000	2.300
10	3' 0	0.600	0.400	0.600	0.100	9.600	9.100	10.200	5.500	4.700	2.900
11	3'30	1.600	0.900	0.800	0.400	11.200	10.800	11.700	5.900	5.200	3.700
12	4' 0	2.000	1.300	1.100	0.500	12.500	12.100	12.900	6.600	5.600	4.100
13	4'30	2.400	1.700	1.300	0.600	13.400	13.100	13.500	7.400	6.000	4.500
14	5' 0	2.800	2.000	1.600	0.700	14.200	13.900	14.400	7.800	6.700	4.700
15	5'30	3.200	2.300	1.800	0.800	14.800	14.700	14.700	8.100	6.800	5.100
16	6' 0	3.400	2.600	2.000	0.900	15.400	15.500	15.700	9.000	7.300	5.000
17	6'30	3.800	2.900	2.200	1.000	16.300	16.500	17.000	9.500	7.800	5.800
18	7' 0	4.200	3.300	2.400	1.100	17.400	17.400	17.200	10.300	8.500	6.000
19	7'30	4.400	3.600	2.600	1.200	18.700	18.500	18.100	10.700	8.500	6.200
20	8' 0	4.800	3.900	2.800	1.400	19.300	19.300	19.100	11.300	8.900	6.600
21	8'30	5.100	4.100	3.100	1.500	20.100	20.000	19.200	11.600	9.100	6.600
22	9' 0	5.200	4.400	3.200	1.600	20.800	20.700	20.200	11.700	9.400	6.800
23	9'30	5.500	4.700	3.400	1.700	21.100	21.000	20.300	12.000	10.000	7.000
24	10' 0	5.700	5.000	3.600	1.900	21.300	21.300	20.300	12.500	9.700	6.900
25	10'30	5.900	5.300	3.800	2.000	21.700	21.800	20.800	12.800	10.200	7.100
26	11' 0	6.100	5.500	4.000	2.100	22.200	22.100	21.400	13.100	10.900	7.600
27	11'30	6.300	5.800	4.100	2.300	22.400	22.400	21.700	13.000	10.700	8.000
28	12' 0	6.400	6.100	4.400	2.300	22.400	22.400	22.000	13.200	10.800	8.100
29	12'30	6.700	6.200	4.600	2.500	22.300	22.400	22.000	13.700	11.400	8.000
30	13' 0	6.800	6.400	4.700	2.700	22.200	22.300	21.900	13.600	11.100	8.100
31	13'30	7.100	6.400	4.900	2.800	21.900	22.100	21.400	14.000	11.200	8.000
32	14' 0	7.200	6.600	5.100	2.900	21.500	21.900	20.900	13.900	10.800	8.400
33	14'30	7.400	6.700	5.200	3.200	21.100	21.400	20.600	13.900	10.900	8.500
34	15' 0	7.400	6.700	5.400	3.100	20.600	21.000	20.200	13.600	11.000	8.300
35	15'30	7.300	6.700	5.400	3.400	20.000	20.400	19.400	13.200	10.600	8.200
36	16' 0	7.300	6.800	5.500	3.600	19.500	19.900	18.500	13.100	10.200	8.000
37	16'30	7.300	6.700	5.500	3.700	18.900	19.100	18.000	13.000	10.300	7.900
38	17' 0	7.300	6.600	5.600	3.800	18.300	18.700	17.300	12.800	10.100	7.900
39	17'30	7.200	6.600	5.600	4.000	17.800	18.000	16.800	12.900	9.800	7.900
40	18' 0	7.100	6.400	5.600	4.000	16.900	17.400	16.100	11.900	9.300	7.700
41	18'30	7.000	6.400	5.400	4.100	16.300	16.800	15.300	10.900	8.900	7.600
42	19' 0	6.900	6.200	5.500	4.200	15.600	16.000	14.600	10.500	8.500	7.100
43	19'30	6.800	6.100	5.500	4.300	14.900	15.300	13.700	9.600	8.300	6.900
44	34'30	-0.100	0.0	0.0	0.0	0.0	-0.200	-0.100	-0.100	-0.200	-0.100

TITLE = CASE 12　DATE 85/10/30　TIME 11: 8:33

CH. INDEX		131 T= 47	132 T= 51	133 T= 52	134 T= 53	135 T= 54	136 T= 61	137 T= 62	138 T= 63	139 T= 64	140 T= 65
INITIAL		17.000	16.900	16.900	16.600	16.800	16.800	16.800	16.700	16.800	16.700
FINAL		17.000	16.800	16.800	16.800	16.800	16.700	16.800	16.800	16.800	16.700
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0' 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0' 0	0.100	-0.100	0.0	0.0	0.0	-0.100	0.0	0.100	0.0	0.0
3	0' 0	0.100	0.0	0.0	0.0	0.100	-0.100	0.0	0.0	0.0	0.100
4	0' 0	0.100	0.0	0.0	0.0	0.100	-0.100	0.0	0.0	0.0	0.100
5	0'30	0.100	-0.100	0.0	0.0	0.100	-0.100	0.0	0.0	0.0	0.100
6	1' 0	0.200	-0.100	0.0	0.0	0.100	0.0	0.0	0.200	0.0	0.100
7	1'30	0.900	0.0	0.0	0.0	0.100	0.0	0.0	0.200	0.0	0.100
8	2' 0	1.000	0.0	0.0	0.0	0.100	0.0	0.0	0.0	0.0	0.100
9	2'30	1.200	0.0	0.0	0.100	0.100	0.0	0.0	0.0	0.0	0.100
10	3' 0	1.700	0.200	0.300	0.400	0.300	0.0	0.0	0.200	0.0	0.0
11	3'30	2.000	0.600	0.700	0.700	0.500	0.0	0.0	0.0	0.0	0.100
12	4' 0	2.300	0.800	0.900	1.100	0.700	0.0	0.100	0.100	0.0	0.100
13	4'30	2.600	1.100	1.200	1.200	1.000	0.100	0.100	0.200	0.100	0.200
14	5' 0	2.800	1.300	1.400	1.600	1.200	0.200	0.100	0.500	0.200	0.300
15	5'30	3.100	1.400	1.600	1.900	1.500	0.300	0.300	0.300	0.200	0.400
16	6' 0	3.300	1.700	1.800	2.000	1.600	0.300	0.300	0.400	0.100	0.500
17	6'30	3.500	1.800	2.100	2.200	1.900	0.400	0.500	0.700	0.400	0.600
18	7' 0	3.700	2.200	2.400	2.700	2.300	0.500	0.600	0.900	0.500	0.600
19	7'30	3.900	2.500	3.000	3.200	2.500	0.600	0.600	0.900	0.600	0.700
20	8' 0	3.800	2.900	3.200	3.500	2.900	0.600	0.700	0.800	0.700	0.800
21	8'30	4.000	3.500	3.400	3.900	3.400	0.700	0.700	0.800	0.800	0.900
22	9' 0	3.900	3.800	4.100	4.400	3.800	0.900	0.900	1.200	0.900	1.000
23	9'30	3.800	3.900	4.100	4.600	4.300	1.000	1.000	1.300	1.000	1.200
24	10' 0	4.000	4.000	4.100	4.700	4.400	0.900	1.000	1.100	1.000	1.200
25	10'30	4.400	4.100	4.200	4.600	4.400	1.100	1.100	1.200	1.100	1.200
26	11' 0	4.500	3.900	4.500	5.000	4.600	1.100	1.200	1.300	1.200	1.400
27	11'30	4.600	4.100	4.500	5.200	5.000	1.100	1.200	1.500	1.200	1.400
28	12' 0	4.900	4.200	4.700	5.100	5.200	1.100	1.100	1.400	1.300	1.400
29	12'30	5.100	4.700	5.200	5.300	5.100	1.300	1.400	1.600	1.300	1.500
30	13' 0	5.300	4.300	4.900	5.300	5.100	1.300	1.400	1.500	1.400	1.600
31	13'30	5.400	4.800	5.100	5.300	5.200	1.400	1.500	1.600	1.500	1.700
32	14' 0	5.500	4.900	5.400	5.500	5.100	1.300	1.400	1.600	1.500	1.700
33	14'30	5.600	4.500	5.500	5.400	5.200	1.400	1.500	1.800	1.600	1.800
34	15' 0	5.500	4.500	4.800	5.100	5.000	1.400	1.500	1.700	1.700	2.100
35	15'30	5.600	3.900	4.600	4.900	4.800	1.400	1.600	1.800	1.800	2.000
36	16' 0	5.700	3.700	4.300	4.500	4.600	1.500	1.600	1.800	1.700	1.900
37	16'30	5.700	3.300	3.800	4.200	4.400	1.400	1.400	1.600	1.600	1.800
38	17' 0	5.500	3.200	3.600	4.000	4.200	1.500	1.500	1.900	1.600	1.700
39	17'30	5.800	3.200	3.400	3.900	4.000	1.400	1.400	1.700	1.600	1.700
40	18' 0	5.700	3.000	3.100	3.300	3.700	1.200	1.200	1.600	1.500	1.600
41	18'30	5.700	2.900	3.200	3.500	3.600	1.200	1.300	1.500	1.400	1.500
42	19' 0	5.400	2.800	2.900	3.200	3.400	1.100	1.200	1.300	1.400	1.400
43	19'30	5.300	2.600	2.800	3.000	3.200	1.200	1.200	1.300	1.300	1.400
44	34'30	0.0	-0.100	-0.100	0.0	0.0	-0.100	0.0	0.100	0.0	0.0

TITLE = CASE 12 DATE 85/10/30 TIME 111 8133

CH. INDEX		141 T= 71	142 T= 72	143 T= 73	144 T= 74	145 T= 81	146 T= 82	147 T= 83	148 T= 84	149 T= 85	150 T= 91
INITIAL		16.700	16.700	16.800	16.700	16.700	16.800	16.800	16.700	16.700	16.700
FINAL		16.700	16.600	16.700	16.600	16.800	16.800	16.700	16.700	16.700	16.700
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	01 0	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.0
4	01 0	0.100	0.0	0.0	0.0	-0.100	0.0	0.0	0.100	0.0	0.0
5	0130	0.100	0.100	0.0	0.100	0.0	0.0	0.0	0.100	0.100	0.0
6	11 0	0.100	0.0	0.0	0.100	0.0	0.100	-0.100	0.100	0.100	0.0
7	1130	0.100	0.0	0.0	0.100	0.0	0.0	-0.100	0.100	0.100	0.0
8	21 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.0
9	2130	0.0	0.100	0.0	0.0	-0.100	0.0	0.0	0.100	0.0	0.0
10	31 0	0.100	0.0	0.0	0.0	0.0	0.100	-0.100	0.100	0.0	0.0
11	3130	0.100	0.100	0.0	0.0	0.0	0.0	0.0	0.100	0.100	0.0
12	41 0	0.100	0.100	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.0
13	4130	0.100	0.100	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.0
14	51 0	0.100	0.100	0.0	0.100	0.0	0.100	-0.100	0.100	0.0	0.0
15	5130	0.100	0.100	0.100	0.100	0.0	0.0	0.0	0.100	0.0	0.0
16	61 0	0.200	0.200	0.100	0.100	0.0	0.0	0.0	0.100	0.0	0.0
17	6130	0.200	0.200	0.200	0.200	0.0	0.0	0.0	0.100	0.0	0.0
18	71 0	0.200	0.200	0.200	0.200	0.0	0.100	0.0	0.100	0.100	0.0
19	7130	0.300	0.300	0.200	0.300	0.0	0.100	0.0	0.100	0.100	0.0
20	81 0	0.400	0.400	0.300	0.300	0.100	0.100	0.100	0.200	0.200	0.100
21	8130	0.400	0.400	0.300	0.400	0.100	0.100	0.100	0.200	0.200	0.100
22	91 0	0.400	0.400	0.300	0.400	0.100	0.200	0.100	0.200	0.100	0.100
23	9130	0.400	0.500	0.400	0.400	0.200	0.300	0.100	0.300	0.100	0.100
24	101 0	0.500	0.600	0.500	0.500	0.200	0.200	0.200	0.300	0.200	0.100
25	10130	0.500	0.500	0.500	0.500	0.200	0.200	0.200	0.300	0.200	0.100
26	111 0	0.500	0.600	0.500	0.600	0.200	0.200	0.200	0.300	0.200	0.100
27	11130	0.600	0.600	0.600	0.600	0.200	0.200	0.200	0.300	0.200	0.200
28	121 0	0.600	0.700	0.600	0.600	0.200	0.300	0.200	0.300	0.300	0.200
29	12130	0.700	0.700	0.700	0.700	0.300	0.300	0.200	0.400	0.300	0.200
30	131 0	0.700	0.700	0.700	0.700	0.300	0.300	0.300	0.400	0.300	0.200
31	13130	0.700	0.700	0.700	0.700	0.300	0.400	0.300	0.400	0.300	0.200
32	141 0	0.700	0.800	0.700	0.800	0.300	0.400	0.300	0.400	0.300	0.200
33	14130	0.800	0.900	0.800	0.900	0.400	0.400	0.300	0.500	0.400	0.300
34	151 0	0.700	0.900	0.800	0.900	0.400	0.400	0.400	0.500	0.400	0.300
35	15130	0.900	0.900	0.900	0.900	0.400	0.400	0.400	0.500	0.400	0.300
36	161 0	0.900	0.900	0.900	0.900	0.400	0.400	0.400	0.500	0.400	0.300
37	16130	0.800	0.900	0.800	0.900	0.500	0.400	0.400	0.500	0.400	0.300
38	171 0	0.800	0.900	0.800	0.900	0.400	0.400	0.400	0.600	0.300	0.300
39	17130	0.800	0.900	0.800	0.900	0.400	0.500	0.400	0.600	0.400	0.300
40	181 0	0.800	0.800	0.800	0.800	0.500	0.500	0.400	0.600	0.400	0.300
41	18130	0.800	0.800	0.800	0.900	0.500	0.500	0.400	0.600	0.400	0.300
42	191 0	0.800	0.800	0.800	0.900	0.400	0.500	0.400	0.600	0.400	0.300
43	19130	0.700	0.800	0.700	0.800	0.400	0.400	0.400	0.600	0.400	0.300
44	24130	0.0	-0.100	-0.100	-0.100	-0.100	0.0	-0.100	0.0	0.0	0.0

TITLE = CASE 12 DATE 85/10/30 TIME 111 8133

CH. INDEX		151 T= 92	152 T= 93	153 T= 94	154 T=101	155 T=102	156 T=103	157 T=104	158 T=105	159 T=111	160 T=112
INITIAL		16.700	16.800	16.700	16.800	16.600	16.700	16.700	16.700	16.700	16.600
FINAL		16.800	16.800	16.700	16.800	16.600	16.700	16.800	16.800	16.700	16.600
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.0	0.0	0.0
3	01 0	0.100	0.0	0.0	0.0	0.0	0.100	0.0	0.100	0.0	0.0
4	01 0	0.0	0.0	0.0	0.100	0.100	0.100	0.0	0.100	0.0	0.0
5	0130	0.100	0.0	0.0	0.100	0.100	0.100	0.100	0.100	0.0	0.100
6	11 0	0.100	0.0	0.100	0.100	0.100	0.100	0.100	0.100	0.0	0.100
7	1130	0.100	0.0	0.100	0.0	0.100	0.100	0.100	0.100	0.0	0.100
8	21 0	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.100	0.0	0.0
9	2130	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.100	0.0	0.0
10	31 0	0.100	0.0	0.100	0.0	0.100	0.100	0.100	0.0	0.0	0.0
11	3130	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.100	0.0	0.0
12	41 0	0.100	0.0	0.0	0.0	0.100	0.100	0.0	0.100	0.0	0.100
13	4130	0.100	0.0	0.100	0.0	0.100	0.100	0.0	0.100	0.0	0.100
14	51 0	0.100	0.0	0.100	0.100	0.100	0.100	0.0	0.100	0.0	0.100
15	5130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.100
16	61 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.0
17	6130	0.100	0.0	0.100	0.0	0.100	0.100	0.100	0.100	0.0	0.100
18	71 0	0.100	0.100	0.100	0.0	0.100	0.100	0.100	0.100	0.0	0.100
19	7130	0.100	0.100	0.100	0.0	0.100	0.100	0.100	0.100	0.100	0.100
20	81 0	0.100	0.100	0.100	0.0	0.100	0.100	0.100	0.100	0.100	0.100
21	8130	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
22	91 0	0.200	0.100	0.100	0.0	0.100	0.100	0.100	0.100	0.100	0.100
23	9130	0.200	0.100	0.200	0.100	0.200	0.200	0.100	0.100	0.0	0.100
24	101 0	0.200	0.100	0.200	0.100	0.100	0.100	0.100	0.100	0.100	0.100
25	10130	0.200	0.100	0.200	0.100	0.100	0.100	0.100	0.100	0.100	0.100
26	111 0	0.200	0.100	0.200	0.100	0.200	0.200	0.100	0.200	0.100	0.200
27	11130	0.200	0.200	0.200	0.100	0.200	0.200	0.200	0.200	0.100	0.200
28	121 0	0.200	0.200	0.200	0.100	0.200	0.200	0.200	0.200	0.100	0.200
29	12130	0.300	0.200	0.300	0.200	0.200	0.200	0.200	0.200	0.100	0.200
30	131 0	0.200	0.200	0.200	0.100	0.200	0.200	0.200	0.200	0.100	0.200
31	13130	0.300	0.200	0.100	0.100	0.200	0.200	0.200	0.200	0.200	0.200
32	141 0	0.300	0.300	0.100	0.100	0.200	0.200	0.200	0.200	0.100	0.200
33	14130	0.400	0.300	0.300	0.100	0.300	0.300	0.300	0.300	0.200	0.200
34	151 0	0.300	0.300	0.300	0.100	0.100	0.300	0.200	0.100	0.200	0.200
35	15130	0.400	0.300	0.300	0.100	0.300	0.300	0.300	0.300	0.200	0.200
36	161 0	0.300	0.300	0.400	0.200	0.300	0.300	0.300	0.300	0.200	0.200
37	16130	0.300	0.300	0.300	0.200	0.300	0.300	0.300	0.300	0.200	0.200
38	171 0	0.400	0.300	0.400	0.200	0.300	0.300	0.300	0.300	0.200	0.300
39	17130	0.400	0.300	0.400	0.200	0.300	0.400	0.300	0.300	0.200	0.300
40	181 0	0.400	0.300	0.400	0.200	0.300	0.300	0.300	0.300	0.200	0.200
41	18130	0.400	0.300	0.400	0.200	0.300	0.300	0.300	0.300	0.200	0.300
42	191 0	0.400	0.400	0.400	0.200	0.300	0.400	0.300	0.400	0.300	0.300
43	19130	0.400	0.400	0.400	0.200	0.300	0.300	0.300	0.400	0.200	0.100
44	24130	0.100	0.0	0.0	0.0	0.0	0.0	0.100	0.100	0.0	0.0

TITLE = CASE 12 DATE 85/10/30 TIME 111 8133

CH. INDEX		161 T=113	162 T=114	163 T=121	164 T=122	165 T=123	166 T=124	167 T=125	168 T=131	169 T=132	170 T=133
INITIAL		16.800	16.800	16.700	16.600	16.700	16.800	16.700	16.600	16.800	16.600
FINAL		16.800	16.800	16.800	16.800	16.700	16.800	16.800	16.600	16.700	16.700
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.0
4	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0130	0.0	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.100	0.100
6	11 0	0.0	0.0	0.0	0.200	0.0	0.0	0.100	0.0	0.100	0.100
7	1130	0.0	0.0	0.0	0.100	0.0	0.0	0.100	0.0	0.100	0.0
8	21 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	2130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	31 0	0.0	0.0	0.0	0.200	0.0	0.0	0.0	0.0	0.100	0.0
11	3130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	41 0	0.0	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.100	0.0
13	4130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.0
14	51 0	0.0	0.0	0.0	0.200	0.0	0.0	0.100	0.0	0.100	0.100
15	5130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.100
16	61 0	-0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	6130	0.0	0.0	0.0	0.200	0.0	0.0	0.100	0.0	0.100	0.0
18	71 0	0.0	0.0	0.0	0.200	0.0	0.0	0.100	0.0	0.100	0.100
19	7130	0.0	0.0	0.0	0.100	0.0	0.0	0.100	0.0	0.100	0.0
20	81 0	0.100	0.0	0.0	0.100	0.0	0.0	0.100	0.0	0.100	0.100
21	8130	0.0	0.0	0.100	0.0	0.0	0.0	0.100	0.0	0.100	0.100
22	91 0	0.100	0.100	0.0	0.200	0.0	0.0	0.100	0.0	0.100	0.100
23	9130	0.100	0.0	0.100	0.200	0.100	0.0	0.100	0.0	0.100	0.100
24	101 0	0.100	0.100	0.100	0.100	0.100	0.0	0.100	0.0	0.100	0.100
25	10130	0.100	0.0	0.100	0.0	0.100	0.0	0.100	0.0	0.100	0.100
26	111 0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
27	11130	0.100	0.100	0.100	0.300	0.100	0.100	0.100	0.100	0.100	0.100
28	121 0	0.100	0.100	0.100	0.200	0.100	0.100	0.100	0.100	0.100	0.100
29	12130	0.100	0.100	0.100	0.200	0.100	0.100	0.100	0.100	0.100	0.100
30	131 0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.0	0.100	0.100
31	13130	0.100	0.100	0.100	0.200	0.100	0.100	0.100	0.0	0.100	0.100
32	141 0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
33	14130	0.200	0.200	0.100	0.300	0.200	0.100	0.200	0.100	0.100	0.100
34	151 0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.200	0.100
35	15130	0.200	0.200	0.100	0.200	0.200	0.100	0.200	0.100	0.200	0.200
36	161 0	0.200	0.200	0.200	0.200	0.200	0.100	0.200	0.100	0.200	0.100
37	16130	0.100	0.200	0.200	0.100	0.100	0.100	0.200	0.100	0.100	0.200
38	171 0	0.200	0.200	0.100	0.300	0.100	0.200	0.200	0.100	0.200	0.200
39	17130	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.100	0.200	0.200
40	181 0	0.100	0.200	0.100	0.200	0.100	0.200	0.200	0.100	0.200	0.200
41	18130	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.100	0.200	0.200
42	191 0	0.200	0.200	0.200	0.200	0.200	0.200	0.300	0.100	0.200	0.200
43	19130	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.100	0.200	0.200
44	24130	0.0	0.0	0.100	0.200	0.0	0.0	0.100	0.0	0.100	0.100

TITLE = CASE 12 DATE 85/10/30 TIME 111 8133

CH. INDEX		171 T=134	172 T=141	173 T=151	201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31
INITIAL		16.700	15.400	15.800	0.164	0.160	0.165	0.159	0.167	0.161	0.160
FINAL		16.700	15.900	15.200	0.160	0.156	0.166	0.140	0.167	0.161	0.155
LOOP	TIME	(C)	(C)	(C)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	0.0	0.0	0.0	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	0.0	0.0	0.0	100.012	100.066	99.988	100.038	99.957	100.006	99.958
3	01 0	0.0	0.100	0.0	99.996	99.981	100.006	99.996	99.988	99.975	99.887
4	01 0	0.0	0.200	0.0	100.026	99.996	100.049	100.075	100.000	100.051	100.075
5	0130	0.100	0.100	0.0	97.849	98.881	100.049	100.096	99.969	100.000	99.987
6	11 0	0.100	0.100	0.0	89.996	96.706	100.049	100.144	99.938	100.075	91.345
7	1130	0.100	0.0	0.0	81.713	76.345	100.061	100.175	99.969	100.031	88.750
8	21 0	0.0	0.0	-0.100	82.866	76.925	100.152	100.100	100.062	100.043	86.056
9	2130	0.0	0.0	-0.100	86.508	79.202	100.188	100.169	100.074	100.099	83.404
10	31 0	0.100	0.200	0.0	86.008	87.330	100.030	100.276	100.000	100.196	86.055
11	3130	0.0	0.100	0.0	88.171	87.093	92.776	98.389	100.105	100.037	87.073
12	41 0	0.0	0.0	0.0	87.762	86.262	92.171	91.967	97.031	99.932	88.887
13	4130	0.0	0.0	0.0	87.122	87.556	91.306	91.755	97.540	98.991	89.087
14	51 0	0.0	0.0	0.0	89.835	86.860	91.492	89.335	95.383	99.577	87.856
15	5130	0.0	0.0	0.0	78.682	81.278	90.971	87.000	92.719	98.860	88.310
16	61 0	0.0	0.0	0.100	86.866	80.952	91.370	88.237	91.557	96.760	81.918
17	6130	0.0	0.0	0.100	87.728	83.685	91.875	88.250	91.902	96.117	85.577
18	71 0	0.0	0.0	0.100	87.588	86.367	91.225	88.689	90.983	95.407	87.578
19	7130	0.0	0.0	0.100	86.563	86.911	90.690	86.600	90.983	93.459	87.286
20	81 0	0.100	0.0	0.100	89.189	89.180	98.921	86.338	90.896	91.668	87.917
21	8130	0.100	0.0	0.100	85.835	87.626	90.866	86.946	90.408	91.986	88.376
22	91 0	0.0	0.0	0.100	83.689	88.828	90.795	85.277	89.854	91.277	85.923
23	9130	0.100	0.0	0.100	88.762	88.161	90.751	82.650	88.975	90.626	88.719
24	101 0	0.100	0.200	0.100	85.866	88.254	90.295	82.588	89.830	90.980	85.418
25	10130	0.100	0.100	0.100	87.715	86.361	88.635	82.983	89.710	89.877	86.176
26	111 0	0.100	0.100	0.100	89.025	86.167	85.956	86.168	89.050	88.921	86.868
27	11130	0.100	0.100	0.100	89.671	86.301	86.588	81.686	88.999	87.996	87.979
28	121 0	0.100	0.0	0.0	88.738	88.363	88.982	82.118	86.956	87.676	88.617
29	12130	0.100	0.100	0.0	86.079	86.599	89.598	81.159	86.286	87.256	88.011
30	131 0	0.100	0.100	0.0	88.595	88.116	90.716	81.527	96.341	89.339	86.678
31	13130	0.100	0.100	0.0	91.615	88.766	89.525	87.730	86.957	83.888	87.250
32	141 0	0.100	0.100	0.0	91.967	89.375	90.035	83.811	86.613	85.001	89.667
33	14130	0.100	0.0	0.100	90.613	91.881	91.121	85.898	86.966	85.395	90.860
34	151 0	0.100	0.100	0.0	90.615	90.276	91.725	86.619	87.650	85.190	90.717
35	15130	0.200	0.100	0.0	90.390	90.370	92.695	86.537	87.787	86.755	90.693
36	161 0	0.100	0.0	0.0	89.665	89.369	88.891	85.197	87.882	85.479	90.256
37	16130	0.200	0.100	0.0	88.876	88.862	90.170	85.077	88.072	86.877	90.056
38	171 0	0.200	0.0	0.0	89.069	88.687	89.956	86.018	88.667	86.665	89.783
39	17130	0.100	0.100	0.0	89.057	88.767	91.962	86.733	88.745	85.715	89.586
40	181 0	0.100	0.0	-0.100	88.116	88.280	91.395	87.562	89.062	86.369	89.066
41	18130	0.200	0.0	0.0	87.762	87.618	91.676	88.920	89.087	86.636	88.788
42	191 0	0.200	0.100	0.0	87.561	86.999	91.883	89.367	90.170	86.361	88.276
43	19130	0.200	0.100	0.0	87.867	86.768	92.817	90.001	90.207	86.306	87.572
44	24130	0.0	0.500	0.200	97.573	98.745	99.733	100.230	99.805	99.766	97.255

TITLE = CASE 12   DATE 85/10/30   TIME 11:01:33

LOOP	TIME	208 S= 32	209 S= 33	210 S= 34	211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 45	217 S= 51
INITIAL		0.156	0.172	0.166	0.159	0.160	0.158	0.154	0.163	0.161	0.158
FINAL		0.153	0.170	0.165	0.158	0.166	0.156	0.156	0.163	0.160	0.157
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	100.039	99.968	100.062	99.907	100.042	99.962	100.065	99.996	99.938	99.962
3	0: 0	100.026	100.006	100.026	100.019	100.036	100.019	100.032	100.012	99.930	100.000
4	0: 0	100.019	100.061	100.062	100.025	100.062	100.057	100.065	100.075	100.056	100.029
5	0:30	100.051	100.006	100.000	100.019	100.078	100.070	100.065	100.037	100.019	100.000
6	1: 0	98.997	99.900	100.121	99.960	100.137	100.006	100.117	100.010	99.925	99.963
7	1:30	94.197	99.910	99.980	100.013	93.065	94.126	98.865	99.222	98.705	99.960
8	2: 0	89.366	99.996	100.006	100.002	89.926	95.306	98.510	99.075	99.577	100.066
9	2:30	76.178	96.376	100.006	99.907	86.252	81.978	93.858	99.185	98.337	99.956
10	3: 0	77.539	86.956	91.711	99.309	86.922	85.857	92.896	95.600	96.067	99.550
11	3:30	78.920	86.470	89.151	98.116	86.751	86.668	90.250	97.511	96.986	99.150
12	4: 0	81.166	86.556	88.360	96.679	88.392	85.067	89.237	90.706	90.666	98.663
13	4:30	81.215	87.766	87.280	96.250	88.716	85.620	88.809	91.016	91.021	97.661
14	5: 0	77.376	86.720	85.682	93.665	89.086	86.192	88.666	90.397	91.106	97.506
15	5:30	79.107	88.176	86.581	92.255	88.713	85.699	89.535	91.065	90.632	97.172
16	6: 0	75.129	87.671	85.766	92.753	88.702	86.616	90.023	90.587	90.095	96.176
17	6:30	75.540	87.219	86.539	92.583	85.296	82.305	88.286	90.238	90.776	96.620
18	7: 0	80.300	86.592	86.720	92.125	85.250	82.066	88.692	89.010	90.306	96.335
19	7:30	75.225	86.989	85.686	92.625	86.925	82.789	86.861	88.916	88.588	95.669
20	8: 0	73.666	85.910	82.879	91.170	88.136	85.180	87.072	87.523	88.712	94.952
21	8:30	76.615	87.121	81.636	90.623	87.900	86.655	86.858	88.636	88.638	94.087
22	9: 0	75.669	85.365	85.712	91.236	87.067	86.991	89.231	89.071	89.147	93.769
23	9:30	76.165	86.551	82.657	90.611	87.247	86.522	88.718	90.697	88.825	94.007
24	10: 0	75.977	85.620	81.790	91.512	86.161	81.308	88.010	90.052	89.256	93.851
25	10:30	77.455	85.992	81.678	91.136	86.926	81.036	87.012	88.307	88.332	93.658
26	11: 0	77.725	82.179	81.552	91.071	86.808	82.610	86.798	87.860	88.931	93.662
27	11:30	80.212	82.590	77.753	89.136	87.307	83.650	87.155	87.688	88.666	92.758
28	12: 0	78.503	86.980	78.962	88.695	87.215	85.015	88.319	87.719	87.192	92.690
29	12:30	80.656	86.796	80.710	88.558	88.018	85.522	88.750	88.807	88.963	92.120
30	13: 0	78.325	87.303	82.365	89.620	88.606	85.275	88.763	88.156	88.820	92.859
31	13:30	77.629	86.687	83.591	89.169	86.036	86.636	89.263	88.661	88.881	92.523
32	14: 0	82.761	86.619	81.666	88.695	87.186	86.566	89.636	89.606	87.567	92.962
33	14:30	86.068	87.297	81.512	89.670	87.551	85.357	89.765	89.018	88.270	93.116
34	15: 0	86.806	88.592	81.376	89.080	89.881	87.875	90.279	88.806	88.566	93.566
35	15:30	86.061	87.562	86.835	89.709	90.365	88.136	91.301	89.165	87.960	93.669
36	16: 0	86.026	86.156	86.037	90.075	90.312	88.170	91.871	90.415	89.161	93.606
37	16:30	86.351	88.605	86.570	90.031	90.872	88.868	92.550	90.166	89.615	94.610
38	17: 0	82.565	88.926	87.306	90.182	91.003	88.956	91.988	90.807	89.107	94.677
39	17:30	86.059	90.096	86.710	91.077	90.616	88.559	91.960	91.206	90.939	94.673
40	18: 0	81.999	90.043	89.080	91.077	90.226	80.336	92.137	91.396	90.150	94.950
41	18:30	82.886	90.568	89.268	91.267	90.103	88.275	92.035	91.617	90.166	95.190
42	19: 0	85.271	90.612	89.677	91.267	90.246	88.457	92.007	91.586	90.667	95.218
43	19:30	82.719	90.651	89.678	91.285	89.926	87.056	91.709	91.292	90.139	95.659
44	24:30	90.588	99.256	99.511	99.706	98.927	98.912	99.650	99.706	99.603	99.379

TITLE = CASE 12   DATE 85/10/30   TIME 11:01:33

LOOP	TIME	218 S= 52	219 S= 53	220 S= 54	221 S= 61	222 S= 62	223 S= 63	224 S= 64	225 S= 71	226 S= 72	227 S= 81
INITIAL		0.166	0.163	0.155	0.154	0.159	0.166	0.156	0.156	0.157	0.158
FINAL		0.162	0.162	0.156	0.153	0.159	0.163	0.156	0.156	0.156	0.159
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	99.939	99.939	99.916	99.993	99.996	99.878	99.996	99.969	100.000	99.956
3	0: 0	99.976	99.975	99.976	100.000	99.996	99.976	100.000	99.981	100.000	99.968
4	0: 0	100.061	100.000	100.090	100.007	100.011	100.122	100.076	100.006	100.006	100.000
5	0:30	100.006	99.957	100.052	100.015	100.006	100.069	100.019	99.981	100.006	100.507
6	1: 0	99.951	99.969	100.006	100.000	100.019	99.963	100.019	99.906	100.013	100.240
7	1:30	99.996	99.951	99.907	100.007	100.025	99.930	100.019	99.917	100.006	100.070
8	2: 0	100.043	100.031	100.052	100.070	100.019	100.060	100.019	99.955	100.013	100.310
9	2:30	99.969	99.803	99.886	100.039	100.031	100.122	100.019	99.955	100.010	100.089
10	3: 0	99.687	99.916	99.616	100.020	100.050	100.092	100.065	99.936	100.026	100.171
11	3:30	98.663	98.727	98.153	100.007	96.096	99.960	100.000	99.090	100.026	100.078
12	4: 0	97.606	98.106	97.650	99.922	99.899	99.902	99.676	99.969	100.019	100.099
13	4:30	96.156	97.559	96.078	99.765	99.767	99.567	99.806	99.910	99.986	100.116
14	5: 0	96.165	97.085	96.078	99.633	99.627	99.377	99.687	99.063	99.881	100.101
15	5:30	95.671	96.565	95.667	98.965	98.912	98.901	99.655	99.787	99.789	100.126
16	6: 0	96.195	95.857	95.206	98.072	98.676	98.796	99.097	99.598	99.673	100.079
17	6:30	96.663	96.050	96.098	97.911	98.155	97.867	98.906	99.398	99.003	100.013
18	7: 0	96.140	95.363	96.378	98.050	98.122	97.566	98.606	99.213	98.875	100.445
19	7:30	93.686	94.306	93.253	97.600	97.581	96.900	98.658	98.752	98.288	100.401
20	8: 0	92.559	94.078	93.061	97.262	97.260	96.598	97.997	98.592	97.875	100.310
21	8:30	90.685	93.027	91.176	96.818	96.066	96.606	98.100	98.079	97.787	100.101
22	9: 0	91.180	93.279	91.561	96.653	96.601	95.700	97.726	98.003	97.439	99.979
23	9:30	92.107	94.056	92.352	96.068	96.765	95.600	97.511	97.811	97.005	99.798
24	10: 0	91.206	93.767	91.186	96.172	95.951	95.161	97.355	97.976	96.717	99.701
25	10:30	91.222	93.187	91.560	95.786	96.677	95.191	97.109	97.216	96.678	99.566
26	11: 0	91.137	93.108	91.296	95.162	95.060	96.563	96.778	96.936	96.196	99.355
27	11:30	89.751	93.110	89.661	95.251	95.588	96.772	96.985	96.767	95.501	99.216
28	12: 0	90.001	92.252	90.673	94.906	95.056	96.286	96.868	96.706	95.660	98.960
29	12:30	89.855	92.135	90.608	94.981	95.001	95.668	96.331	96.107	96.916	98.908
30	13: 0	89.720	92.301	89.841	94.386	94.723	95.996	96.337	95.987	96.080	98.748
31	13:30	88.867	92.567	90.440	94.040	94.716	95.239	95.057	96.288	96.751	98.565
32	14: 0	89.826	92.550	90.660	93.709	94.126	93.326	96.227	95.693	96.220	98.369
33	14:30	90.565	92.910	90.670	93.575	93.680	92.762	96.169	95.661	96.265	98.256
34	15: 0	90.697	92.996	90.935	93.308	93.988	93.676	95.920	95.576	96.233	98.156
35	15:30	91.137	93.107	91.650	93.695	93.793	93.369	95.761	96.965	95.565	97.970
36	16: 0	91.637	93.697	91.916	94.073	94.308	93.837	96.006	96.075	95.667	97.007
37	16:30	92.157	93.912	92.656	94.166	94.665	93.797	96.251	95.169	95.560	97.673
38	17: 0	92.266	94.066	93.010	94.247	94.961	93.681	96.266	96.670	95.916	97.001
39	17:30	93.108	94.667	93.156	94.567	95.630	94.375	96.538	95.976	95.986	97.656
40	18: 0	93.116	94.761	93.723	94.766	95.630	94.631	96.707	95.571	95.596	97.900
41	18:30	93.718	94.927	94.019	95.260	95.310	96.706	96.063	95.667	96.216	97.671
42	19: 0	94.000	95.331	94.206	95.616	95.596	95.690	97.057	95.955	96.257	97.660
43	19:30	94.067	95.562	94.219	95.675	95.670	95.178	96.998	95.055	96.908	97.806
44	24:30	99.101	99.404	98.873	99.066	99.760	99.336	99.676	99.676	99.956	100.740

TITLE = CASE 12   DATE 85/10/30   TIME 11:01:33

LOOP	TIME	228 S= 82	229 S= 83	230 S= 91	231 S= 92	232 S=101	233 S=102	234 S=103	235 S=111	236 S=112	237 S=121
INITIAL		0.157	0.157	0.159	0.157	0.166	0.158	0.160	0.159	0.155	0.161
FINAL		0.157	0.156	0.159	0.157	0.165	0.158	0.160	0.156	0.155	0.161
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	99.975	99.987	99.987	100.006	100.073	99.907	100.000	99.981	100.000	99.996
3	0: 0	99.901	99.996	100.000	100.000	100.211	100.000	99.996	99.987	100.000	99.996
4	0: 0	100.013	100.013	100.019	100.006	100.396	100.013	100.000	99.996	100.019	100.006
5	0:30	100.312	100.006	100.011	100.013	100.518	100.006	99.996	99.975	100.006	100.000
6	1: 0	100.136	100.000	100.013	99.987	100.566	100.006	100.000	99.950	100.000	100.000
7	1:30	100.065	100.000	100.013	99.981	100.511	100.011	100.000	99.931	100.006	100.000
8	2: 0	100.159	100.006	100.013	99.987	100.416	100.025	100.000	99.906	100.013	100.006
9	2:30	100.066	100.013	100.025	99.996	100.457	100.025	100.006	99.065	100.026	100.017
10	3: 0	100.115	100.013	100.030	99.996	100.451	100.032	100.013	98.970	100.026	100.025
11	3:30	100.051	100.013	100.025	99.987	100.365	100.032	100.006	99.040	100.026	100.019
12	4: 0	100.078	100.013	100.032	99.987	100.526	100.032	100.006	99.228	100.026	100.019
13	4:30	100.076	100.006	100.025	99.996	100.615	100.019	100.006	99.228	100.013	100.019
14	5: 0	100.070	100.006	100.038	99.981	100.556	100.038	100.006	99.127	100.026	100.025
15	5:30	100.066	99.996	100.025	99.981	100.426	100.038	100.006	99.127	100.026	100.025
16	6: 0	100.000	99.955	100.025	99.975	100.600	100.032	100.006	99.156	100.019	100.025
17	6:30	99.960	99.898	100.025	99.975	100.476	100.032	100.013	99.293	100.026	100.031
18	7: 0	100.096	99.770	100.013	99.960	100.177	100.019	99.987	99.266	100.026	100.037
19	7:30	100.051	99.642	99.981	99.955	100.063	100.006	99.962	99.186	100.011	100.037
20	8: 0	99.879	99.651	99.926	99.969	99.982	99.963	99.980	99.267	99.960	100.012
21	8:30	99.669	99.306	99.888	99.917	100.067	99.020	99.756	99.115	99.070	99.996
22	9: 0	99.501	99.067	99.779	99.870	100.018	99.766	99.688	99.058	99.010	99.969
23	9:30	99.290	98.866	99.601	99.867	99.712	99.608	99.606	98.978	99.003	99.888
24	10: 0	99.159	98.665	99.603	99.861	99.682	99.430	99.390	98.989	99.522	99.816
25	10:30	99.025	98.665	99.570	99.822	99.375	99.271	99.292	98.967	99.360	99.714
26	11: 0	98.928	98.616	99.616	99.801	99.650	99.191	99.179	98.613	99.096	99.621
27	11:30	98.751	98.320	99.300	99.752	99.600	98.916	98.859	98.412	99.127	99.472
28	12: 0	98.516	98.135	99.360	99.766	99.093	98.691	98.690	98.437	98.960	99.410
29	12:30	98.293	97.020	99.212	99.696	99.296	98.787	98.490	98.286	98.667	99.292
30	13: 0	98.133	97.732	99.196	99.707	99.002	98.453	98.506	98.156	98.591	99.176
31	13:30	97.995	97.590	99.112	99.602	99.120	98.453	98.226	97.876	98.351	99.087
32	14: 0	97.783	97.666	98.915	99.661	98.758	98.257	98.295	97.922	98.267	98.975
33	14:30	97.663	97.362	98.996	99.656	98.618	97.838	97.866	97.861	98.088	98.888
34	15: 0	97.503	97.010	98.910	99.657	98.502	97.826	97.832	97.621	97.751	98.780
35	15:30	97.616	96.972	98.816	99.626	98.338	97.819	97.725	97.651	97.836	98.649
36	16: 0	97.106	96.916	98.690	99.626	98.210	97.606	97.487	97.676	97.616	98.602
37	16:30	96.962	96.665	98.677	99.573	98.096	97.516	97.651	97.391	97.537	98.615
38	17: 0	96.987	96.716	98.505	99.560	97.808	97.281	97.561	97.332	97.367	98.372
39	17:30	97.082	96.793	98.565	99.541	97.796	97.040	97.506	97.112	97.149	98.306
40	18: 0	97.337	96.819	98.601	99.541	97.796	97.217	97.161	97.150	97.265	98.240
41	18:30	97.120	96.927	98.671	99.573	97.962	97.196	97.668	96.637	96.815	98.179
42	19: 0	97.202	96.906	98.565	99.561	97.861	97.276	97.186	96.855	96.856	98.092
43	19:30	97.616	96.965	98.595	99.522	97.808	97.027	97.187	97.037	97.015	98.076
44	24:30	100.331	99.870	99.950	99.022	100.225	100.012	99.960	99.267	99.994	100.093

TITLE = CASE 12   DATE 85/10/30   TIME 11:01:33

LOOP	TIME	238 S=122	239 S=123	240 S=131
INITIAL		0.156	0.158	0.166
FINAL		0.156	0.158	0.166
		(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000
2	0: 0	99.996	99.975	100.066
3	0: 0	100.000	99.981	100.006
4	0: 0	100.013	99.987	100.038
5	0:30	100.006	99.968	100.012
6	1: 0	99.996	99.968	100.096
7	1:30	99.996	99.975	100.006
8	2: 0	100.000	99.996	100.006
9	2:30	100.013	99.996	100.018
10	3: 0	100.006	99.981	100.009
11	3:30	100.011	100.000	100.000
12	4: 0	100.011	99.981	100.000
13	4:30	100.000	99.956	99.920
14	5: 0	100.006	99.981	99.866
15	5:30	100.019	99.996	99.800
16	6: 0	100.019	99.981	99.735
17	6:30	100.013	99.975	99.866
18	7: 0	100.013	100.006	99.669
19	7:30	100.011	100.011	99.627
20	8: 0	100.006	100.006	99.176
21	8:30	99.907	99.981	98.986
22	9: 0	99.962	99.975	98.661
23	9:30	99.891	99.937	99.226
24	10: 0	99.846	99.918	98.756
25	10:30	99.756	99.856	98.816
26	11: 0	99.680	99.765	98.782
27	11:30	99.565	99.727	98.719
28	12: 0	99.516	99.788	98.299
29	12:30	99.610	99.639	98.135
30	13: 0	99.356	99.596	98.000
31	13:30	99.258	99.550	98.020
32	14: 0	99.286	99.518	98.106
33	14:30	99.090	99.476	98.190
34	15: 0	99.070	99.442	98.275
35	15:30	98.966	99.385	98.790
36	16: 0	98.862	99.327	98.776
37	16:30	98.792	99.277	99.271
38	17: 0	98.720	99.195	99.513
39	17:30	98.617	99.201	99.591
40	18: 0	98.598	99.201	99.705
41	18:30	98.515	99.166	99.665
42	19: 0	98.658	99.132	99.621
43	19:30	98.625	99.039	99.735
44	24:30	99.968	99.930	99.790

実験No.28 TITLE = CASE 11 (A) DATE 85/10/30 TIME 13:20:34

CH. INDEX		101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		18.400	18.000	17.600	17.900	17.700	18.000	18.100	17.900	18.000	17.600
FINAL		20.100	18.900	18.500	18.100	18.400	18.100	18.200	18.100	18.300	18.300
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.0	0.200	-0.100	0.100	0.0	-0.100	0.0	-0.100	0.700
3	0: 0	0.0	-0.100	-0.100	0.0	0.0	-0.100	-0.100	0.0	-0.100	0.100
4	0: 0	32.000	4.600	2.900	2.100	2.000	1.300	0.900	0.700	0.100	0.100
5	0:30	60.900	25.500	15.500	9.000	5.900	5.300	4.400	1.400	2.000	4.000
6	1: 0	76.800	35.000	19.200	15.000	11.300	9.500	8.000	6.400	4.400	15.100
7	1:30	93.700	41.000	24.700	18.600	14.900	13.000	10.800	8.800	6.400	22.100
8	2: 0	100.800	45.900	28.600	23.100	19.100	16.600	14.600	11.600	9.060	26.400
9	2:30	105.900	50.100	34.500	23.100	19.900	17.700	14.900	12.700	10.600	28.200
10	3: 0	111.400	53.900	36.300	26.100	22.100	19.900	16.900	14.800	12.700	31.500
11	3:30	117.400	55.500	38.800	26.900	23.200	20.400	17.600	16.400	14.100	36.000
12	4: 0	122.100	57.500	39.900	29.000	25.000	21.300	19.000	17.400	15.200	38.300
13	4:30	123.300	61.300	43.300	29.000	25.900	22.700	20.600	18.500	16.300	39.100
14	5: 0	127.400	62.500	46.900	32.900	26.600	23.000	21.200	19.900	16.700	42.700
15	5:30	128.800	65.000	50.200	34.100	28.700	24.900	22.900	19.900	17.700	45.000
16	6: 0	132.000	65.700	51.000	35.000	28.900	25.400	23.200	20.500	18.600	46.800
17	6:30	138.700	69.300	51.600	35.400	29.500	25.400	23.700	21.600	19.300	48.100
18	7: 0	140.800	70.500	53.000	36.300	29.900	26.600	24.600	22.100	19.700	49.600
19	7:30	141.800	71.000	54.100	37.500	31.700	28.100	25.200	22.800	20.300	50.900
20	8: 0	144.500	71.800	56.200	37.700	32.300	27.700	25.600	23.500	20.600	48.700
21	8:30	144.800	72.700	58.100	39.000	32.200	28.100	25.700	24.800	21.300	53.100
22	9: 0	144.600	74.100	55.800	38.000	31.000	28.000	24.200	24.100	21.900	52.700
23	9:30	148.200	72.800	56.600	38.500	31.000	27.700	25.000	23.900	21.500	53.900
24	10: 0	148.400	72.600	57.100	38.700	31.400	27.900	25.000	23.600	21.600	54.000
25	10:30	144.100	72.000	56.700	37.900	32.400	27.400	25.100	23.600	21.500	51.700
26	11: 0	139.600	71.000	55.000	37.900	32.600	27.700	25.700	23.400	21.200	52.300
27	11:30	141.900	70.900	54.100	36.000	31.100	26.800	25.200	23.600	21.000	51.400
28	12: 0	140.000	68.300	51.200	35.000	30.500	27.100	25.200	23.900	21.500	46.200
29	12:30	134.400	68.100	52.900	37.000	31.200	27.200	25.200	23.200	21.500	45.600
30	13: 0	127.900	64.600	50.000	34.700	30.000	26.000	25.300	23.700	21.400	46.000
31	13:30	120.300	59.200	46.900	33.100	28.000	25.900	24.600	23.300	20.900	43.600
32	14: 0	110.900	54.600	42.900	32.300	27.100	24.300	23.600	22.700	20.600	40.200
33	14:30	103.300	50.100	39.000	31.100	27.100	23.900	22.600	21.900	20.300	36.300
34	15: 0	93.500	47.300	38.700	29.100	26.100	24.100	22.600	21.100	19.600	34.100
35	15:30	87.200	44.100	33.400	26.700	25.100	22.900	22.100	20.700	19.700	29.500
36	16: 0	80.200	40.000	31.700	25.500	23.200	21.400	20.700	20.000	18.400	27.900
37	16:30	73.600	37.400	30.800	24.300	22.300	20.400	19.600	18.700	17.700	25.900
38	17: 0	66.000	34.500	28.400	21.300	21.400	19.600	18.800	18.100	16.600	24.100
39	17:30	62.200	31.200	25.000	20.900	19.900	18.100	17.000	16.400	15.400	22.000
40	18: 0	50.400	28.900	23.100	19.800	18.900	17.600	16.900	16.200	15.000	19.900
41	18:30	52.400	26.000	21.700	18.900	18.100	16.300	15.700	14.000	13.800	17.100
42	19: 0	46.000	23.100	19.500	17.800	16.400	14.800	14.200	13.900	13.100	14.900
43	19:30	41.100	20.900	10.500	16.400	15.900	14.600	13.700	13.100	12.000	12.400
44	30: 0	9.700	0.900	0.700	0.200	0.700	0.100	0.100	0.200	0.300	0.700

TITLE = CASE 11 DATE 85/10/30 TIME 13:20:34

CH. INDEX		111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		18.000	17.700	17.700	17.700	17.800	17.900	17.700	17.800	17.400	17.300
FINAL		22.800	18.500	18.100	17.800	18.100	18.400	17.900	20.000	19.000	19.000
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.100	0.0	0.100	0.0	0.0	0.0	0.0	0.100	0.0
3	0: 0	0.100	0.100	0.100	0.100	0.0	0.100	0.100	0.100	0.100	0.0
4	0: 0	0.100	0.0	0.0	0.100	0.0	0.100	0.100	0.100	0.200	0.0
5	0:30	0.100	2.700	2.700	1.600	1.400	0.900	0.800	0.100	0.200	0.100
6	1: 0	1.000	8.700	8.700	5.300	5.700	2.800	2.500	1.300	1.100	0.500
7	1:30	2.000	12.700	11.700	8.200	7.800	4.700	4.400	3.100	3.200	2.700
8	2: 0	2.900	15.200	13.000	10.300	9.900	6.500	6.200	9.300	8.900	4.700
9	2:30	3.900	17.400	16.500	12.100	11.900	8.400	7.900	12.600	11.900	6.700
10	3: 0	4.900	19.200	18.100	13.800	13.300	10.800	9.200	15.900	14.400	8.600
11	3:30	5.800	20.000	19.400	15.800	14.000	11.900	10.500	18.800	16.400	10.000
12	4: 0	6.900	22.800	20.900	16.800	15.500	12.700	11.700	21.400	18.300	11.500
13	4:30	8.000	23.700	21.300	17.200	16.400	14.000	13.200	23.700	19.400	12.900
14	5: 0	9.100	24.500	21.600	18.600	17.700	15.300	14.600	25.400	21.300	14.100
15	5:30	10.000	26.000	23.400	19.600	18.400	16.200	15.400	27.800	21.800	15.700
16	6: 0	11.100	27.400	23.900	20.800	19.400	17.200	16.300	28.500	22.700	16.200
17	6:30	12.100	27.400	24.700	20.700	19.300	17.700	17.000	29.400	23.300	17.000
18	7: 0	13.000	28.500	24.100	21.100	19.900	18.200	17.400	31.800	24.500	18.000
19	7:30	13.900	29.100	25.300	21.700	20.800	18.800	17.700	32.800	25.400	18.800
20	8: 0	14.500	28.400	25.100	22.000	21.300	19.500	18.400	32.900	26.100	19.700
21	8:30	15.000	29.100	25.300	22.100	21.900	19.900	19.100	34.000	26.900	20.500
22	9: 0	15.700	29.200	25.900	23.000	22.900	20.400	19.500	35.100	27.100	21.100
23	9:30	16.300	29.700	25.700	22.900	22.100	20.800	20.000	35.400	27.400	21.600
24	10: 0	16.900	29.600	26.400	22.900	22.100	20.900	19.900	35.600	27.100	21.700
25	10:30	17.400	30.300	29.300	22.000	22.300	21.200	20.300	36.300	28.300	22.400
26	11: 0	17.700	30.300	27.200	23.000	22.700	21.300	20.300	36.100	27.700	22.400
27	11:30	18.000	29.900	27.100	23.900	22.700	21.400	20.200	35.900	28.100	22.400
28	12: 0	18.200	28.500	25.600	23.200	22.100	21.300	20.100	35.000	27.900	22.900
29	12:30	18.300	28.400	25.700	23.100	22.200	21.300	20.200	35.600	27.800	23.000
30	13: 0	18.400	29.400	26.500	23.300	22.900	21.500	20.300	34.600	26.900	22.900
31	13:30	18.400	27.700	25.900	22.700	21.500	21.000	20.000	32.400	26.300	22.700
32	14: 0	18.200	26.500	24.300	22.100	21.300	20.800	19.900	32.200	25.700	22.700
33	14:30	17.900	25.600	23.400	21.000	20.300	20.300	19.600	29.900	24.100	21.500
34	15: 0	17.400	24.100	22.100	20.500	19.600	19.700	18.800	27.000	22.700	20.700
35	15:30	17.000	22.700	21.400	19.400	18.700	19.100	18.200	25.900	21.300	19.800
36	16: 0	16.900	22.300	21.100	19.000	18.300	18.400	17.500	24.100	20.200	19.200
37	16:30	16.100	20.700	19.700	17.600	17.200	17.700	16.700	22.400	19.100	18.500
38	17: 0	15.700	19.900	18.400	17.300	16.900	17.100	16.400	20.500	17.900	17.600
39	17:30	15.300	18.800	18.100	16.600	16.300	16.500	15.800	18.900	16.900	16.900
40	18: 0	15.000	16.000	16.900	15.900	15.700	15.900	15.100	17.000	15.400	15.900
41	18:30	14.500	15.000	15.300	15.100	14.800	15.000	14.300	15.700	13.900	14.800
42	19: 0	14.000	13.900	14.403	14.000	13.500	14.200	13.600	14.500	12.800	14.000
43	19:30	13.400	12.300	12.700	12.900	12.800	13.400	13.800	12.000	11.500	13.000
44	30: 0	4.800	8.800	8.400	0.100	0.300	0.500	0.200	2.200	1.000	1.500

TITLE = CASE 11 DATE 85/10/30 TIME 13:20:34

CH. INDEX		121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 41	126 T= 42	127 T= 43	128 T= 44	129 T= 45	130 T= 46
INITIAL		17.600	17.500	17.500	17.400	17.500	17.500	17.300	17.200	17.300	17.200
FINAL		17.600	18.600	18.000	17.700	18.200	17.900	17.600	17.500	17.500	17.600
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.100	0.100	0.100	0.0	0.0	0.0	0.100	0.0	0.100
3	0: 0	-0.200	0.100	0.100	0.100	0.0	0.0	0.100	0.200	0.100	0.200
4	0: 0	0.0	0.100	0.100	0.100	0.100	0.100	0.200	0.200	9.100	0.200
5	0:30	0.300	0.200	0.200	0.200	0.100	0.100	0.200	0.100	0.200	0.300
6	1: 0	1.100	0.800	0.700	0.800	0.100	0.100	0.200	0.200	0.200	0.700
7	1:30	3.400	2.900	2.300	2.500	0.500	0.600	1.100	1.200	1.100	1.300
8	2: 0	4.700	3.800	3.600	3.800	2.400	2.400	4.600	4.000	4.700	4.100
9	2:30	7.500	4.900	5.200	5.400	5.100	4.500	7.400	7.800	7.500	7.800
10	3: 0	8.400	8.700	6.600	7.000	8.100	7.000	9.200	9.100	8.700	8.900
11	3:30	10.800	10.300	8.100	8.400	11.300	9.400	11.900	10.000	10.400	9.800
12	4: 0	12.300	11.700	9.500	10.000	13.800	11.700	14.000	12.700	11.900	11.100
13	4:30	13.000	12.700	10.600	11.000	15.500	13.500	15.000	14.100	13.400	12.100
14	5: 0	14.300	13.800	11.700	12.000	16.800	14.500	15.700	14.700	13.900	12.900
15	5:30	15.200	14.800	12.700	12.900	18.500	15.800	17.000	16.000	15.100	13.900
16	6: 0	15.400	15.300	13.600	13.700	19.600	17.200	17.700	16.500	15.400	14.300
17	6:30	16.200	15.900	14.300	14.100	20.400	18.000	17.700	16.700	16.100	15.100
18	7: 0	17.300	16.700	15.200	15.000	21.200	18.700	18.500	17.300	16.900	15.900
19	7:30	17.300	17.200	15.800	15.500	21.800	18.400	19.200	18.000	17.400	16.200
20	8: 0	18.000	17.700	16.500	16.000	23.200	20.300	20.200	19.100	18.400	17.100
21	8:30	18.200	18.300	16.900	16.500	23.600	20.600	19.800	18.600	18.300	17.300
22	9: 0	18.500	18.500	17.100	16.800	24.300	21.000	20.700	19.100	18.400	17.200
23	9:30	19.200	19.000	17.900	17.300	24.800	21.500	20.500	19.200	18.400	17.300
24	10: 0	19.200	19.200	18.200	17.400	25.000	21.700	20.400	19.200	18.300	17.000
25	10:30	19.200	19.400	18.400	17.400	25.500	22.100	21.800	19.600	18.900	17.100
26	11: 0	19.600	19.800	18.800	17.800	25.500	22.000	20.800	19.600	18.700	17.100
27	11:30	19.600	20.000	19.000	18.000	25.000	21.900	21.200	20.100	19.200	17.700
28	12: 0	19.900	20.000	19.300	18.100	25.700	21.900	20.500	19.600	18.400	17.800
29	12:30	19.600	20.800	19.200	17.800	24.700	21.500	20.100	19.100	18.300	17.200
30	13: 0	19.700	19.900	19.400	17.800	24.500	21.700	20.500	19.200	18.600	17.600
31	13:30	19.400	19.800	19.300	17.800	23.700	21.400	20.100	19.100	18.400	17.900
32	14: 0	18.900	19.300	19.200	17.600	22.900	20.700	19.300	18.600	18.000	16.900
33	14:30	18.400	18.600	18.800	17.300	21.900	20.100	18.700	18.100	17.700	16.400
34	15: 0	17.400	17.800	18.200	16.500	20.200	18.800	17.400	17.100	17.100	16.300
35	15:30	16.800	17.200	17.600	15.900	19.400	18.200	17.000	16.400	16.000	15.300
36	16: 0	16.300	16.800	17.500	15.600	17.700	17.000	15.400	15.200	15.100	14.900
37	16:30	15.900	16.100	16.800	15.400	15.700	15.100	15.600	14.100	14.200	13.900
38	17: 0	15.400	15.600	16.400	15.000	14.000	13.700	12.700	13.300	13.500	12.900
39	17:30	14.800	15.000	15.900	14.400	12.000	12.700	11.100	11.400	11.800	11.900
40	18: 0	14.100	14.100	15.300	13.900	10.800	11.200	10.700	11.300	11.300	11.300
41	18:30	13.100	13.700	14.400	13.300	9.600	10.000	9.400	10.000	10.100	9.800
42	19: 0	12.200	12.300	13.700	12.700	8.700	9.600	8.500	9.900	9.000	8.800
43	19:30	11.100	11.300	12.800	11.800	8.300	8.500	8.200	8.600	8.700	8.800
44	30: 0	0.0	1.100	1.300	0.300	0.700	0.400	0.300	0.300	0.700	0.400

TITLE = CASE 11 DATE 85/10/30 TIME 13:20:34

CH. INDEX		131 T= 47	132 T= 51	133 T= 52	134 T= 53	135 T= 54	136 T= 61	137 T= 62	138 T= 63	139 T= 64	140 T= 65
INITIAL		17.300	17.200	17.200	17.200	17.200	17.100	17.100	17.000	17.100	17.100
FINAL		17.700	17.500	17.600	17.500	17.500	17.300	17.300	17.400	17.500	17.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.300	0.0	0.0
3	0: 0	0.200	0.100	0.100	0.100	0.100	0.0	0.100	0.100	0.100	0.100
4	0: 0	0.200	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
5	0:30	0.300	0.200	0.200	0.200	0.100	0.200	0.200	0.400	0.200	0.200
6	1: 0	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
7	1:30	1.300	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
8	2: 0	4.800	1.200	1.300	1.500	0.800	0.200	0.200	0.400	0.200	0.300
9	2:30	7.500	3.000	3.400	1.700	2.400	1.300	1.400	1.900	1.300	1.500
10	3: 0	8.400	5.000	5.000	5.300	4.000	2.900	3.200	3.000	2.700	3.200
11	3:30	9.200	6.400	6.300	6.900	9.700	3.900	4.200	4.500	5.700	4.000
12	4: 0	10.500	7.300	7.100	7.900	6.900	5.000	5.100	5.600	5.600	6.100
13	4:30	11.200	8.200	8.100	8.500	7.900	5.800	6.100	6.400	5.800	6.700
14	5: 0	12.300	8.700	8.900	9.400	9.000	6.700	6.900	7.500	6.700	7.500
15	5:30	13.000	9.500	9.600	10.400	9.700	7.500	7.600	8.100	7.900	8.100
16	6: 0	13.300	10.100	10.100	10.900	10.600	8.400	8.700	9.500	8.200	8.900
17	6:30	13.900	12.100	11.600	11.800	11.400	8.400	8.800	9.200	8.500	9.200
18	7: 0	14.100	14.300	13.200	12.700	11.400	8.900	9.100	9.300	9.000	10.000
19	7:30	14.900	14.600	13.600	13.400	11.300	9.200	9.100	10.100	10.100	10.800
20	8: 0	15.400	14.900	14.500	13.000	11.400	9.200	9.200	10.400	10.400	11.000
21	8:30	15.900	17.000	14.000	13.700	11.700	9.300	9.200	10.500	10.800	11.500
22	9: 0	15.700	16.400	14.000	14.300	12.300	9.800	9.900	10.900	11.300	12.000
23	9:30	16.000	17.000	15.100	14.700	12.400	11.900	11.500	12.000	11.600	12.100
24	10: 0	15.800	16.800	15.900	14.300	12.500	10.600	10.400	11.300	11.800	12.400
25	10:30	15.600	17.700	15.800	14.900	12.900	11.100	11.100	12.300	12.200	12.500
26	11: 0	16.300	15.900	14.600	14.400	13.500	10.700	10.900	11.800	11.900	12.900
27	11:30	16.400	15.200	14.800	15.100	13.600	10.500	10.500	11.700	11.700	12.200
28	12: 0	16.300	16.700	15.400	15.000	13.900	10.300	10.700	11.600	12.100	12.500
29	12:30	16.200	16.200	15.800	15.200	14.800	10.400	10.500	11.800	12.000	12.900
30	13: 0	16.000	15.600	14.600	14.300	13.900	10.200	10.400	11.500	11.600	12.300
31	13:30	16.400	15.400	14.900	14.700	13.900	10.500	10.900	11.400	11.300	11.800
32	14: 0	15.700	14.700	14.400	14.400	13.700	10.700	10.600	11.600	11.400	12.200
33	14:30	15.400	13.000	13.600	14.300	13.800	10.400	10.100	10.600	10.700	11.200
34	15: 0	15.000	13.000	13.100	12.900	13.300	9.000	9.700	10.900	10.700	11.300
35	15:30	14.800	11.000	11.800	11.900	12.500	9.300	9.900	9.000	10.800	10.000
36	16: 0	13.900	10.900	10.900	11.700	11.900	8.800	9.200	9.600	9.300	9.600
37	16:30	13.500	10.000	10.300	10.400	11.200	8.400	8.700	9.100	9.000	9.400
38	17: 0	12.700	9.300	9.400	9.400	10.400	7.700	7.900	8.400	8.400	8.600
39	17:30	11.900	9.100	9.000	9.000	9.800	7.400	7.700	8.100	7.900	8.200
40	18: 0	11.300	8.900	8.900	8.600	9.100	6.800	7.000	7.600	7.300	7.600
41	18:30	10.000	7.700	8.000	8.100	8.700	6.200	6.600	6.800	6.900	7.100
42	19: 0	9.200	7.000	7.300	7.400	8.000	6.000	6.300	6.900	6.700	6.900
43	19:30	9.100	6.400	6.900	7.100	7.900	5.800	5.900	6.300	6.700	6.400
44	30: 0	0.400	0.300	0.200	0.300	0.300	0.200	0.200	0.400	0.400	0.300

TITLE = CASE 11 DATE 85/10/30 TIME 13:20:34

CH. INDEX		141 T= 71	142 T= 72	143 T= 73	144 T= 74	145 T= 81	146 T= 82	147 T= 83	148 T= 84	149 T= 85	150 T= 91
INITIAL		17.000	16.900	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000
FINAL		17.200	17.200	17.300	17.200	17.200	17.300	17.500	17.400	17.800	17.200
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.100	0.0	0.100	0.0	0.100	0.0	0.0	0.0	0.0
3	0: 0	0.0	0.100	0.100	0.0	0.100	0.0	0.0	0.0	0.100	0.0
4	0: 0	0.0	0.100	0.100	0.100	0.100	0.0	0.100	0.100	0.100	0.0
5	0:30	0.100	0.200	0.100	0.200	0.100	0.200	0.100	0.100	0.100	0.100
6	1: 0	0.100	0.200	0.200	0.200	0.100	0.200	0.100	0.200	0.100	0.100
7	1:30	0.100	0.200	0.200	0.200	0.200	0.100	0.200	0.200	0.200	0.100
8	2: 0	0.100	0.200	0.200	0.200	0.100	0.200	0.100	0.200	0.100	0.100
9	2:30	0.100	0.400	0.100	0.400	0.100	0.200	0.200	0.200	0.200	0.100
10	3: 0	1.600	1.700	1.600	1.800	0.500	0.600	0.600	0.300	0.300	0.100
11	3:30	2.600	2.900	2.900	3.200	1.900	1.600	1.800	1.600	0.800	0.700
12	4: 0	3.800	4.000	3.900	4.100	2.400	2.500	2.800	2.400	1.500	1.500
13	4:30	4.400	4.800	4.700	5.000	3.100	3.300	3.800	3.200	2.100	2.200
14	5: 0	5.200	5.700	5.600	5.700	3.700	3.900	4.200	3.900	2.700	2.800
15	5:30	5.700	6.200	6.200	6.300	4.200	4.400	4.700	4.500	3.100	3.500
16	6: 0	5.900	6.400	6.400	6.800	4.800	5.100	5.100	4.900	3.600	3.400
17	6:30	6.700	7.200	7.300	7.400	5.300	5.600	5.600	5.400	4.100	4.000
18	7: 0	7.000	7.600	7.700	7.800	5.600	5.900	6.200	5.900	4.500	4.400
19	7:30	7.300	8.000	7.900	8.200	5.800	6.300	6.500	6.200	4.800	4.700
20	8: 0	7.900	8.400	8.400	8.600	6.100	6.500	6.900	6.400	5.100	5.000
21	8:30	7.700	8.400	8.600	8.700	6.300	6.900	6.800	6.700	5.400	5.100
22	9: 0	8.100	8.900	8.900	9.100	6.700	7.100	7.200	7.000	5.700	5.300
23	9:30	8.600	9.000	9.200	9.700	6.900	7.400	7.500	7.400	6.000	5.600
24	10: 0	8.800	9.100	9.500	9.900	6.900	7.600	7.800	7.900	6.200	5.700
25	10:30	9.200	9.700	9.700	9.600	6.900	7.500	7.700	7.800	6.900	6.100
26	11: 0	9.000	9.400	9.600	9.700	7.300	7.900	7.900	7.900	6.600	6.200
27	11:30	8.600	9.200	9.600	9.600	7.200	7.900	7.900	7.900	6.700	6.100
28	12: 0	8.900	9.600	9.600	9.800	6.900	7.600	7.600	7.600	6.800	6.300
29	12:30	9.000	9.600	9.600	9.800	7.000	7.600	7.800	7.900	6.900	6.100
30	13: 0	9.000	9.600	9.700	10.000	7.300	7.800	8.000	8.000	7.000	6.700
31	13:30	8.900	9.300	9.500	9.800	7.100	7.800	7.400	8.100	7.000	6.500
32	14: 0	9.100	9.300	9.200	9.400	7.100	7.700	7.800	7.800	7.000	6.000
33	14:30	8.900	9.400	9.400	9.400	7.100	7.600	7.800	7.800	7.100	6.000
34	15: 0	8.500	9.200	9.100	9.200	6.900	7.600	7.300	7.600	7.000	6.100
35	15:30	8.200	8.800	8.700	8.900	6.800	7.400	7.300	7.400	7.000	5.900
36	16: 0	7.800	8.100	8.400	8.300	6.600	7.000	6.900	7.200	6.900	5.800
37	16:30	7.800	7.900	7.600	7.900	6.100	6.700	6.600	6.800	6.600	5.500
38	17: 0	7.100	7.400	7.500	7.700	5.700	6.200	6.100	6.400	6.400	5.200
39	17:30	6.900	6.800	6.900	7.100	5.600	6.100	5.900	6.200	6.200	5.000
40	18: 0	6.200	6.300	6.600	6.700	5.300	5.700	5.600	5.900	5.900	4.800
41	18:30	6.000	6.600	6.500	6.600	5.000	5.600	5.200	5.500	5.700	4.800
42	19: 0	5.800	6.200	6.100	6.100	4.800	5.200	5.000	5.400	5.500	4.300
43	19:30	5.300	5.700	5.600	5.800	4.500	4.900	4.700	5.100	5.300	4.100
44	36: 0	0.200	0.300	0.300	0.200	0.200	0.300	0.300	0.400	0.800	0.200

TITLE = CASE 11 DATE 85/10/30 TIME 13:20:34

CH. INDEX		151 T= 92	152 T= 93	153 T= 94	154 T=101	155 T=102	156 T=103	157 T=104	158 T=105	159 T=111	160 T=112
INITIAL		17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000	16.900
FINAL		17.400	17.400	17.400	17.100	17.100	17.400	17.400	17.400	17.200	17.200
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.0	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.100
3	0: 0	0.0	0.100	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.100
4	0: 0	0.0	0.100	0.100	0.100	0.0	0.0	0.0	0.100	0.0	0.100
5	0:30	0.100	0.100	0.100	0.200	0.0	0.100	0.100	0.100	0.0	0.100
6	1: 0	0.100	0.100	0.100	0.200	0.100	0.100	0.100	0.100	0.0	0.100
7	1:30	0.100	0.200	0.100	0.200	0.100	0.100	0.100	0.100	0.100	0.200
8	2: 0	0.100	0.200	0.200	0.200	0.100	0.100	0.100	0.100	0.100	0.200
9	2:30	0.100	0.200	0.200	0.200	0.100	0.100	0.100	0.100	0.100	0.200
10	3: 0	0.200	0.300	0.200	0.200	0.100	0.200	0.200	0.200	0.100	0.200
11	3:30	0.700	1.000	0.900	0.300	0.200	0.300	0.200	0.300	0.100	0.200
12	4: 0	1.500	2.000	1.900	0.800	1.000	1.100	0.900	1.000	0.500	0.600
13	4:30	2.200	2.800	2.700	1.400	1.700	2.000	1.500	1.700	1.200	1.200
14	5: 0	2.900	3.300	3.400	2.000	2.100	2.600	2.200	2.500	1.700	1.700
15	5:30	3.300	3.800	3.900	2.400	2.800	3.100	2.700	2.900	2.200	2.200
16	6: 0	3.800	4.300	4.400	2.900	3.200	3.400	3.100	3.300	2.500	2.600
17	6:30	4.200	4.600	4.700	3.100	3.500	3.800	3.500	3.700	2.900	3.000
18	7: 0	4.600	5.200	5.300	3.400	3.800	4.100	3.800	3.900	3.100	3.100
19	7:30	4.900	5.300	5.500	3.800	4.100	4.500	4.200	4.300	3.400	3.500
20	8: 0	5.100	5.600	5.800	3.900	4.200	4.600	4.500	4.600	3.700	3.700
21	8:30	5.400	6.000	6.100	4.300	4.500	4.800	4.700	4.900	3.900	3.900
22	9: 0	5.500	5.900	6.100	4.300	4.700	5.000	4.900	5.000	4.000	4.100
23	9:30	5.900	6.400	6.400	4.600	4.900	5.100	5.000	5.100	4.100	4.100
24	10: 0	6.000	6.500	6.700	4.800	5.100	5.400	5.300	5.400	4.200	4.200
25	10:30	6.300	6.600	6.900	4.900	5.200	5.600	5.500	5.600	4.400	4.400
26	11: 0	6.300	6.700	6.800	5.000	5.300	5.600	5.600	5.700	4.500	4.600
27	11:30	6.400	6.800	6.900	5.000	5.100	5.600	5.600	5.700	4.500	4.600
28	12: 0	6.500	6.800	6.900	5.100	5.600	5.800	5.700	5.800	4.400	4.600
29	12:30	6.400	6.800	6.800	5.100	5.100	5.500	5.600	5.700	4.700	4.700
30	13: 0	6.500	6.800	6.900	5.100	5.500	5.700	5.700	5.800	4.500	4.800
31	13:30	6.600	7.100	7.100	5.300	5.500	5.800	5.700	5.900	4.500	4.700
32	14: 0	6.500	6.800	7.000	5.300	5.500	5.800	5.800	5.900	4.700	4.900
33	14:30	6.300	6.500	6.600	5.200	5.400	5.800	5.700	5.800	4.600	4.700
34	15: 0	6.300	6.700	6.600	5.100	5.600	5.800	5.700	5.900	4.500	4.800
35	15:30	6.700	6.300	6.600	5.100	5.200	5.900	5.600	5.700	4.600	4.700
36	16: 0	6.200	6.500	6.600	5.100	5.200	5.400	5.500	5.600	4.600	4.600
37	16:30	5.900	6.000	6.200	4.900	4.900	5.200	5.400	5.300	4.500	4.600
38	17: 0	5.500	5.700	5.800	4.600	4.700	5.000	5.100	5.100	4.300	4.400
39	17:30	5.400	5.700	5.600	4.600	4.600	4.800	4.900	4.900	4.100	4.200
40	18: 0	5.000	5.000	5.200	4.400	4.300	4.600	4.700	4.700	3.900	4.000
41	18:30	4.800	4.900	5.000	4.100	4.000	4.300	4.500	4.500	3.600	3.700
42	19: 0	4.600	4.700	4.900	4.000	3.900	4.200	4.200	4.300	3.400	3.600
43	19:30	4.400	4.500	4.700	3.860	3.700	4.000	4.100	4.000	3.200	3.400
44	36: 0	0.400	0.400	0.400	0.390	0.100	0.400	0.400	0.490	0.700	0.300

TITLE = CASE 11 DATE 85/10/30 TIME 13:20:34

CH. INDEX		161 T=113	162 T=114	163 T=121	164 T=122	165 T=123	166 T=124	167 T=125	168 T=131	169 T=132	170 T=133
INITIAL		17.000	17.000	17.000	16.800	17.000	17.000	17.000	16.800	16.900	16.900
FINAL		17.400	17.300	17.300	17.200	17.200	17.200	17.300	17.000	17.100	17.100
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.100	-0.100	0.200	0.0	0.100	0.0	0.100	0.0	0.100
3	0: 0	0.0	0.0	0.0	0.100	0.0	0.100	0.0	0.0	0.0	0.0
4	0: 0	0.0	0.100	0.0	0.100	0.0	0.100	0.100	0.100	0.100	0.100
5	0:30	0.100	0.100	-0.100	0.300	0.100	0.100	0.0	0.100	0.100	0.100
6	1: 0	0.100	0.100	0.0	0.200	0.100	0.100	0.100	0.100	0.100	0.100
7	1:30	0.100	0.100	0.0	0.200	0.100	0.100	0.100	0.100	0.100	0.100
8	2: 0	0.100	0.200	0.0	0.300	0.100	0.100	0.100	0.100	0.100	0.200
9	2:30	0.100	0.100	0.0	0.400	0.100	0.200	0.100	0.100	0.100	0.200
10	3: 0	0.200	0.200	0.0	0.400	0.100	0.200	0.100	0.200	0.100	0.200
11	3:30	0.200	0.100	0.0	0.200	0.100	0.100	0.100	0.100	0.100	0.100
12	4: 0	0.800	0.600	0.200	0.300	0.200	0.300	0.300	0.100	0.100	0.100
13	4:30	1.100	1.400	0.700	0.800	0.800	1.000	1.000	0.400	0.400	0.500
14	5: 0	1.900	2.000	1.300	1.400	1.400	1.600	1.500	0.900	1.000	1.100
15	5:30	2.500	2.600	1.700	1.900	1.800	2.100	2.000	1.400	1.400	1.400
16	6: 0	2.800	2.900	2.000	2.400	2.200	2.400	2.400	1.800	1.800	1.800
17	6:30	3.200	3.200	2.100	2.700	2.500	2.700	2.700	2.000	2.100	2.100
18	7: 0	3.400	3.400	2.600	2.900	2.800	3.000	3.000	2.200	2.300	2.300
19	7:30	3.700	3.800	2.800	3.200	3.000	3.200	3.200	2.500	2.400	2.600
20	8: 0	4.000	3.900	3.000	3.400	3.300	3.500	3.400	2.700	2.600	2.800
21	8:30	4.200	4.300	3.200	3.700	3.400	3.700	3.700	2.800	2.900	3.000
22	9: 0	4.300	4.300	3.400	3.600	3.500	3.800	3.900	3.000	3.100	3.100
23	9:30	4.500	4.500	3.500	3.700	3.700	3.900	3.900	2.900	3.100	3.100
24	10: 0	4.800	4.600	3.600	3.900	3.800	4.000	4.000	3.200	3.400	3.300
25	10:30	4.900	4.900	3.800	4.000	3.900	4.200	4.200	3.400	3.600	3.500
26	11: 0	5.000	5.000	3.800	4.000	4.000	4.100	4.400	3.500	3.600	3.600
27	11:30	5.000	5.100	4.000	4.200	4.000	4.400	4.400	3.600	3.700	3.700
28	12: 0	5.000	5.000	4.000	4.300	4.200	4.500	4.500	3.600	3.800	3.700
29	12:30	5.100	5.100	4.000	4.400	4.300	4.700	4.600	3.600	3.800	3.800
30	13: 0	4.900	5.000	3.800	4.100	4.000	4.300	4.400	3.600	3.800	3.700
31	13:30	5.100	5.200	4.000	4.300	4.100	4.500	4.500	3.600	3.700	3.700
32	14: 0	5.300	5.300	4.100	4.400	4.200	4.500	4.600	3.700	3.800	3.800
33	14:30	5.100	5.100	4.100	4.300	4.100	4.500	4.600	3.600	3.900	3.900
34	15: 0	4.900	5.000	4.100	4.300	4.200	4.500	4.500	3.600	3.800	3.700
35	15:30	4.900	5.000	3.900	4.300	4.200	4.500	4.500	3.500	3.700	3.700
36	16: 0	4.800	4.900	3.800	4.400	4.100	4.300	4.400	3.600	3.700	3.700
37	16:30	4.800	4.900	3.800	4.200	4.000	4.300	4.300	3.500	3.600	3.600
38	17: 0	4.600	4.700	3.700	4.100	3.800	4.100	4.200	3.400	3.600	3.600
39	17:30	4.400	4.400	3.500	3.900	3.700	3.900	4.000	3.100	3.400	3.400
40	18: 0	4.100	4.200	3.400	3.500	3.500	3.700	3.700	3.100	3.200	3.200
41	18:30	3.900	4.000	3.300	3.400	3.400	3.700	3.700	3.100	3.200	3.100
42	19: 0	3.800	3.800	3.000	3.400	3.200	3.400	3.400	2.900	3.000	3.000
43	19:30	3.600	3.700	2.800	3.200	3.000	3.200	3.100	2.800	2.900	2.800
44	36: 0	0.400	0.300	0.300	0.400	0.200	0.200	0.100	0.200	0.200	0.200

TITLE = CASE 11 DATE 85/10/30 TIME 13:20:34

CH. INDEX		171 T=134	172 T=141	173 T=151	201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31
INITIAL		17.000	15.900	16.100	0.166	0.163	0.169	0.163	0.166	0.163	0.159
FINAL		17.200	16.300	16.600	0.155	0.159	0.165	0.160	0.162	0.159	0.155
LOOP	TIME	(C)	(C)	(C)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	0.0	0.0	0.0	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	0.0	0.100	0.100	100.030	100.043	99.953	100.049	99.897	100.025	99.944
3	0: 0	0.0	0.100	0.100	100.056	100.018	100.010	100.018	100.000	100.006	100.038
4	0: 0	0.0	0.0	0.100	100.030	100.055	99.994	100.069	99.957	100.006	99.969
5	0:30	0.0	0.100	0.100	98.814	99.978	99.799	99.908	99.836	100.017	100.006
6	1: 0	0.0	0.100	0.100	96.908	97.447	98.182	98.926	98.671	98.852	98.986
7	1:30	0.0	0.100	0.100	86.906	91.210	98.720	97.294	96.409	96.493	97.771
8	2: 0	0.0	0.100	0.100	87.744	90.130	95.462	92.220	91.748	88.115	93.207
9	2:30	0.0	0.100	0.100	88.281	88.758	94.155	90.048	88.837	80.406	90.018
10	3: 0	0.100	0.100	0.100	89.347	86.027	93.122	86.440	84.340	67.678	89.717
11	3:30	0.0	0.0	0.100	91.033	89.732	96.230	88.870	87.517	77.079	89.012
12	4: 0	0.100	0.0	0.0	91.855	89.609	96.400	89.167	87.754	76.892	90.451
13	4:30	0.500	0.0	0.100	83.329	89.585	96.262	89.440	86.776	80.878	89.283
14	5: 0	1.100	-0.100	0.100	80.142	85.719	96.011	89.869	87.358	81.288	87.723
15	5:30	1.500	0.0	0.200	86.476	82.513	91.705	88.836	85.037	73.675	86.319
16	6: 0	1.900	-0.100	0.200	86.890	86.411	91.845	87.341	78.862	72.208	86.383
17	6:30	2.200	-0.100	0.100	88.191	87.485	91.943	87.937	80.865	68.420	87.593
18	7: 0	2.400	-0.200	0.100	88.775	89.666	92.867	86.908	85.636	71.871	89.316
19	7:30	2.700	0.0	0.100	89.782	89.997	92.867	87.191	85.187	74.418	90.001
20	8: 0	3.000	-0.200	0.100	85.665	91.157	93.027	86.950	86.701	77.973	90.651
21	8:30	3.100	-0.100	0.0	86.271	88.458	95.732	89.508	88.040	76.247	88.012
22	9: 0	3.300	-0.200	0.0	86.231	87.583	95.045	86.886	87.727	77.070	87.617
23	9:30	3.400	-0.200	0.100	89.499	88.366	93.127	86.667	87.471	79.655	90.157
24	10: 0	3.400	-0.200	0.100	90.223	89.456	93.217	89.766	87.516	81.841	90.545
25	10:30	3.800	-0.100	0.100	90.483	90.907	95.990	85.636	86.498	82.283	91.686
26	11: 0	3.700	-0.200	0.100	91.428	92.591	95.458	90.434	88.618	81.747	93.172
27	11:30	3.600	-0.200	0.100	91.504	92.720	96.028	90.270	87.310	81.378	93.316
28	12: 0	3.900	-0.200	0.100	91.456	92.122	96.866	91.300	80.379	79.678	93.134
29	12:30	3.900	-0.200	0.100	92.071	92.416	96.905	90.275	89.247	86.050	94.708
30	13: 0	3.900	-0.200	0.0	96.060	95.296	96.586	94.036	92.072	91.000	95.323
31	13:30	3.900	-0.200	0.0	96.656	96.357	97.595	96.018	95.236	96.286	96.666
32	14: 0	3.900	-0.200	0.100	96.799	97.165	98.261	97.773	97.261	96.817	97.105
33	14:30	4.000	-0.200	0.100	96.701	97.238	98.266	98.000	97.663	96.188	97.260
34	15: 0	3.900	-0.100	0.100	96.701	97.461	98.383	98.250	97.687	97.465	97.392
35	15:30	3.900	-0.100	0.100	96.566	97.498	98.608	98.460	98.223	97.176	97.498
36	16: 0	3.800	-0.100	0.100	96.600	97.665	98.525	98.828	98.521	97.400	97.536
37	16:30	3.800	-0.100	0.100	96.471	97.510	98.507	98.705	98.509	97.720	97.548
38	17: 0	3.700	-0.100	0.0	96.376	97.502	98.596	98.865	98.758	97.778	97.602
39	17:30	3.600	-0.100	0.0	96.286	97.477	98.596	98.853	98.819	97.802	97.617
40	18: 0	3.300	-0.100	0.0	96.169	97.471	98.566	98.929	98.898	97.919	97.542
41	18:30	3.200	0.0	0.0	96.283	97.441	98.540	98.920	98.915	97.931	97.530
42	19: 0	3.000	-0.100	0.0	96.072	97.471	98.489	98.994	98.856	97.909	97.404
43	19:30	3.000	0.0	0.0	95.970	97.192	98.438	98.975	98.876	97.999	97.373
44	36: 0	0.200	0.400	0.300	97.427	97.092	97.524	98.239	98.411	97.323	96.096

TITLE = CASE 11 DATE 85/10/30 TIME 13:20:34

CH. INDEX		208 S= 32	209 S= 33	210 S= 34	211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 45	217 S= 51
INITIAL		0.154	0.174	0.168	0.160	0.169	0.158	0.156	0.165	0.161	0.158
FINAL		0.153	0.170	0.163	0.154	0.166	0.155	0.154	0.161	0.159	0.154
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	100.019	99.900	100.048	99.881	100.100	99.968	100.038	99.957	99.975	99.974
3	0: 0	100.006	100.025	100.012	100.006	100.047	99.996	100.011	100.006	99.996	100.013
4	0: 0	100.026	99.960	100.036	99.969	100.083	99.956	100.037	99.987	99.816	99.956
5	0:30	100.032	99.971	100.072	99.919	100.100	99.987	100.051	99.987	100.006	99.949
6	1: 0	98.895	99.626	99.726	99.612	100.055	99.996	100.037	100.012	100.106	100.011
7	1:30	98.240	96.203	95.922	98.821	99.716	99.588	99.718	99.666	99.572	100.013
8	2: 0	98.038	95.186	96.619	96.767	98.305	97.089	98.078	96.985	96.455	99.679
9	2:30	86.866	92.290	90.716	90.306	93.798	93.935	96.038	95.038	95.017	98.272
10	3: 0	86.320	92.049	88.093	83.762	92.368	92.777	95.357	93.642	89.586	96.286
11	3:30	82.676	89.708	86.322	82.861	90.990	86.916	91.118	87.187	76.528	91.041
12	4: 0	83.852	90.242	86.598	81.793	91.227	87.630	90.720	85.631	82.101	91.891
13	4:30	85.139	92.016	88.093	85.828	91.919	90.662	93.285	89.863	81.996	90.979
14	5: 0	86.528	91.160	88.615	88.219	90.342	89.027	92.041	88.576	86.328	91.581
15	5:30	79.882	89.677	86.190	86.789	88.675	87.046	91.510	87.515	86.286	91.796
16	6: 0	76.678	87.107	84.765	80.169	87.680	85.866	89.801	85.426	88.686	90.682
17	6:30	77.334	86.088	82.321	79.261	85.887	81.615	86.577	78.969	79.315	88.006
18	7: 0	80.017	89.330	88.069	80.219	89.385	84.827	85.969	88.683	77.680	86.056
19	7:30	83.657	88.925	85.976	82.986	89.923	86.975	88.560	85.169	81.665	88.131
20	8: 0	84.201	91.685	87.682	83.793	91.139	87.973	90.752	86.282	82.966	88.562
21	8:30	85.665	91.571	88.108	86.520	91.358	87.689	90.573	85.224	86.247	90.986
22	9: 0	86.300	89.616	82.635	88.156	90.283	88.718	89.957	86.326	85.172	90.118
23	9:30	80.863	87.245	86.625	85.121	89.361	86.217	85.577	80.666	78.156	89.588
24	10: 0	83.126	89.882	86.623	82.606	89.675	85.668	89.713	87.642	83.541	87.956
25	10:30	87.004	92.615	88.725	89.009	91.667	88.831	89.682	85.923	83.868	89.663
26	11: 0	86.510	91.347	86.793	86.125	92.285	89.098	91.036	87.079	85.056	90.899
27	11:30	88.362	91.876	88.271	81.969	92.090	89.292	92.202	89.053	87.666	91.667
28	12: 0	88.700	92.166	90.600	90.668	93.086	91.672	91.176	88.530	88.756	91.735
29	12:30	91.178	94.586	92.286	87.881	93.835	91.883	93.837	90.936	89.133	91.660
30	13: 0	89.858	92.716	91.151	90.790	93.865	90.770	92.576	90.568	88.967	92.456
31	13:30	96.653	95.328	95.000	94.272	95.552	94.805	94.223	93.808	91.833	92.986
32	14: 0	96.199	96.663	96.023	95.857	96.676	98.661	97.656	95.920	94.880	94.075
33	14:30	97.708	97.362	97.037	97.077	97.165	97.631	98.082	96.699	95.925	95.625
34	15: 0	98.368	97.837	97.206	97.066	97.737	98.119	98.172	97.155	97.662	96.170
35	15:30	98.864	98.337	97.722	97.628	97.948	98.712	98.750	97.646	97.673	96.689
36	16: 0	98.889	98.601	97.877	97.872	98.181	98.916	98.903	98.286	98.659	96.670
37	16:30	99.266	98.612	98.032	98.078	98.206	98.926	98.980	98.237	98.668	96.883
38	17: 0	99.396	98.573	98.118	98.235	98.305	99.170	99.077	98.626	98.771	96.969
39	17:30	99.526	98.608	98.116	98.247	98.198	99.160	99.136	98.578	99.032	97.039
40	18: 0	99.500	98.579	98.146	98.279	98.122	99.021	99.153	98.688	99.146	97.012
41	18:30	99.606	98.682	98.169	98.301	97.968	98.889	99.153	98.651	99.240	97.031
42	19: 0	99.662	98.506	98.223	98.316	97.980	98.780	99.238	98.697	99.113	96.949
43	19:30	99.736	98.698	98.205	98.367	97.927	98.775	99.261	98.681	99.199	96.949
44	36: 0	99.103	97.802	97.275	96.551	97.123	97.935	98.614	98.037	98.605	97.689

TITLE = CASE 11 DATE 85/10/30 TIME 13:20:34

CH. INDEX		218 S= 52	219 S= 53	220 S= 54	221 S= 61	222 S= 62	223 S= 63	224 S= 64	225 S= 71	226 S= 72	227 S= 81
INITIAL		0.166	0.162	0.154	0.154	0.159	0.163	0.154	0.158	0.157	0.159
FINAL		0.159	0.160	0.151	0.151	0.157	0.160	0.151	0.154	0.154	0.156
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	100.018	99.975	100.092	99.995	100.031	100.006	100.039	99.981	100.057	100.043
3	0: 0	100.010	100.031	100.060	100.040	100.038	100.006	100.011	99.968	100.038	100.075
4	0: 0	99.829	99.963	99.857	100.039	100.038	99.829	99.993	99.955	100.006	100.056
5	0:30	100.074	100.019	100.032	100.019	100.057	100.037	100.066	100.019	100.006	100.100
6	1: 0	100.006	100.049	100.117	100.080	100.050	100.165	100.050	100.077	100.107	100.138
7	1:30	100.055	100.051	100.071	100.013	100.057	100.128	100.066	100.077	100.108	100.107
8	2: 0	99.681	99.669	99.391	100.020	100.066	99.987	100.000	99.996	100.121	100.100
9	2:30	97.825	98.197	97.712	98.912	98.981	98.517	99.226	99.906	100.013	100.100
10	3: 0	95.176	96.573	95.960	97.615	97.293	96.806	98.613	98.707	98.503	99.801
11	3:30	90.167	93.566	91.650	94.588	94.706	93.521	96.966	96.697	95.886	98.782
12	4: 0	88.913	92.999	89.672	90.167	90.667	89.150	96.011	93.810	91.957	96.909
13	4:30	87.970	91.763	88.817	88.857	88.550	88.965	95.290	90.178	86.971	96.358
14	5: 0	88.667	92.337	89.154	88.758	89.891	87.751	95.290	88.887	85.078	91.648
15	5:30	89.041	92.387	89.265	89.241	88.876	88.618	95.560	88.661	85.805	90.920
16	6: 0	87.636	92.178	88.506	88.309	88.160	88.057	95.620	89.015	86.321	90.890
17	6:30	88.918	90.159	86.807	86.819	87.678	86.552	92.835	88.151	85.660	91.641
18	7: 0	81.366	89.163	85.850	85.316	86.133	86.861	90.877	86.308	83.187	90.915
19	7:30	83.728	89.157	85.770	86.176	86.066	86.308	90.566	86.891	81.733	88.616
20	8: 0	86.629	90.655	86.618	85.581	86.679	86.526	91.261	86.771	80.711	87.272
21	8:30	87.593	92.140	87.866	85.730	86.567	86.820	91.716	85.709	81.986	87.880
22	9: 0	88.856	92.189	88.752	87.216	88.161	86.967	93.079	86.366	83.508	88.913
23	9:30	87.056	92.263	88.968	87.696	88.991	87.663	93.290	87.961	84.779	89.685
24	10: 0	83.659	91.358	87.760	88.286	89.028	87.996	92.821	87.999	85.355	90.286
25	10:30	85.961	91.347	87.767	88.865	87.697	86.356	92.529	86.896	83.729	90.263
26	11: 0	87.318	92.418	88.882	87.286	87.979	86.566	92.665	86.655	83.768	89.579
27	11:30	88.253	92.986	88.026	88.160	88.961	87.386	93.509	87.157	86.283	89.071
28	12: 0	89.372	93.671	90.659	88.753	89.686	88.667	93.707	87.768	86.926	89.880
29	12:30	86.666	93.677	91.158	89.656	90.396	89.280	94.517	89.021	86.716	90.576
30	13: 0	89.792	94.136	91.909	90.003	90.637	90.035	94.772	89.690	87.563	91.166
31	13:30	90.676	94.362	92.065	91.176	91.867	91.018	95.032	89.665	87.805	91.655
32	14: 0	92.108	95.661	93.815	91.666	92.376	91.606	95.766	90.932	88.065	92.587
33	14:30	94.203	96.697	95.909	93.696	94.015	93.610	96.255	91.676	89.970	92.620
34	15: 0	95.205	97.511	96.662	95.046	95.605	95.221	97.119	93.675	92.785	94.125
35	15:30	95.638	97.715	96.951	96.100	96.658	96.265	97.536	94.980	94.306	95.241
36	16: 0	95.809	97.826	97.057	96.666	97.017	96.765	97.672	95.770	95.658	96.218
37	16:30	95.962	97.882	97.316	96.696	97.218	97.082	97.926	96.195	96.281	96.859
38	17: 0	96.109	98.030	97.607	97.161	97.657	97.259	98.030	96.576	96.606	97.206
39	17:30	96.760	98.073	97.569	97.525	97.595	97.506	98.088	96.825	97.007	97.373
40	18: 0	96.310	98.086	97.621	97.621	97.716	97.687	98.167	96.985	97.102	97.676
41	18:30	96.626	98.073	97.785	97.680	97.762	97.805	98.151	97.082	97.315	97.700
42	19: 0	96.231	98.036	97.562	97.525	97.761	97.589	98.160	97.166	97.305	97.799
43	19:30	96.286	97.993	97.608	97.532	97.808	97.687	98.160	97.230	97.477	97.818
44	36: 0	97.126	98.679	97.750	98.235	98.323	98.189	98.309	98.702	98.065	98.090

TITLE = CASE 11 DATE 85/10/30 TIME 13:20:34

CH. INDEX		228 S= 82	229 S= 83	230 S= 91	231 S= 92	232 S=101	233 S=102	234 S=103	235 S=111	236 S=112	237 S=121
INITIAL		0.158	0.157	0.159	0.157	0.166	0.158	0.160	0.159	0.155	0.161
FINAL		0.155	0.154	0.157	0.154	0.163	0.156	0.158	0.158	0.155	0.160
LOOP	TIME	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	100.057	100.006	100.025	99.996	100.067	100.000	100.057	100.013	99.987	100.019
3	0: 0	100.051	100.032	99.967	99.987	100.010	99.996	100.044	100.220	100.045	100.012
4	0: 0	100.051	100.038	99.996	100.000	100.116	100.038	100.096	100.176	100.019	100.050
5	0:30	100.095	100.057	100.031	99.987	100.146	100.082	100.125	99.931	100.103	100.109
6	1: 0	100.127	100.089	100.066	100.013	100.136	100.101	100.137	99.963	100.116	100.176
7	1:30	100.104	100.083	100.064	100.000	100.166	100.120	100.169	99.956	100.155	100.136
8	2: 0	100.104	100.083	100.038	100.000	100.213	100.116	100.175	99.926	100.161	100.149
9	2:30	100.101	100.083	100.038	100.000	100.109	100.114	100.169	100.000	100.168	100.161
10	3: 0	99.867	99.808	100.006	99.901	100.146	100.120	100.175	99.996	100.168	100.169
11	3:30	98.661	98.537	99.698	99.917	99.988	99.926	100.031	99.987	100.161	100.161
12	4: 0	96.767	96.672	98.860	99.732	98.998	98.727	98.896	99.666	99.593	100.037
13	4:30	93.966	93.765	97.272	99.611	97.299	96.761	97.170	98.111	97.739	99.852
14	5: 0	90.938	91.186	96.080	98.998	96.021	93.599	96.086	95.957	96.807	97.198
15	5:30	90.038	90.271	96.951	98.775	91.726	90.139	91.236	92.896	91.059	96.886
16	6: 0	90.577	90.929	96.815	98.761	90.661	88.703	90.011	90.650	88.393	92.109
17	6:30	90.666	90.976	96.006	98.760	90.527	88.736	90.026	90.207	87.203	91.148
18	7: 0	90.861	90.571	96.688	98.718	91.019	89.342	90.376	90.572	88.226	91.051
19	7:30	88.117	88.635	96.168	98.533	90.266	88.601	89.761	90.087	87.972	91.111
20	8: 0	86.662	87.711	93.217	98.265	88.701	86.053	88.318	89.193	86.202	90.653
21	8:30	87.096	87.390	92.669	98.067	87.360	86.666	86.682	86.780	86.348	89.160
22	9: 0	87.711	88.199	93.196	98.157	87.161	86.888	86.650	85.993	82.696	87.576
23	9:30	88.948	89.366	93.802	98.206	88.301	86.217	87.806	86.776	86.180	87.186
24	10: 0	89.353	89.736	94.186	98.457	88.976	86.925	88.406	88.190	86.916	88.522
25	10:30	89.770	90.605	94.375	98.609	89.761	87.988	89.510	89.015	86.361	89.125
26	11: 0	88.852	89.813	94.661	98.176	90.211	88.317	89.736	89.467	87.061	90.089
27	11:30	88.962	89.210	93.726	98.233	89.679	87.268	88.907	89.350	86.828	90.560
28	12: 0	89.309	90.003	93.638	98.335	88.701	86.697	88.307	88.519	85.697	89.587
29	12:30	89.969	90.196	94.129	98.395	89.516	87.349	88.949	88.368	86.001	89.366
30	13: 0	90.791	91.299	94.625	98.669	90.128	87.931	89.208	89.269	86.621	89.775
31	13:30	91.401	91.678	94.828	98.559	91.096	89.126	90.510	90.166	87.681	89.825
32	14: 0	91.960	92.199	95.016	98.506	91.701	89.987	91.173	90.521	88.602	91.090
33	14:30	92.679	92.892	95.230	98.622	92.211	90.379	91.336	91.472	89.266	91.870
34	15: 0	93.779	93.829	95.671	98.687	92.665	90.796	91.655	91.750	89.826	92.090
35	15:30	95.061	95.607	96.299	98.816	93.758	92.212	93.035	92.531	90.962	92.790
36	16: 0	96.195	96.525	97.049	98.935	95.661	94.130	94.668	93.887	92.386	93.800
37	16:30	96.880	97.125	97.609	99.011	96.666	95.696	95.965	95.522	94.496	95.301
38	17: 0	97.210	97.515	97.791	99.026	97.663	96.586	96.702	96.549	95.769	96.682
39	17:30	97.606	97.798	97.961	99.030	98.017	97.071	97.186	97.256	96.537	97.376
40	18: 0	97.679	97.996	98.087	99.038	98.286	97.356	97.358	97.628	97.061	97.838
41	18:30	97.766	98.077	98.158	99.092	98.657	97.672	97.666	97.972	97.667	98.067
42	19: 0	97.838	98.141	98.169	98.960	98.781	97.811	97.807	98.263	97.681	98.328
43	19:30	97.876	98.179	98.215	98.916	98.966	97.965	97.901	98.268	97.881	98.678
44	36: 0	98.313	98.601	98.672	98.901	99.452	98.888	98.557	99.257	98.895	99.360

TITLE = CASE 11 DATE 85/10/30 TIME 13:20:34

CH. INDEX		238 S=122	239 S=123	240 S=131
INITIAL		0.157	0.158	0.167
FINAL		0.155	0.156	0.167
LOOP	TIME	(%)	(%)	(%)
1	0: 0	100.000	100.000	100.000
2	0: 0	99.994	99.981	100.006
3	0: 0	100.019	100.032	100.066
4	0: 0	100.026	100.000	100.026
5	0:30	100.077	100.036	100.072
6	1: 0	100.109	100.061	100.017
7	1:30	100.121	100.051	100.078
8	2: 0	100.115	100.044	100.054
9	2:30	100.109	100.046	100.040
10	3: 0	100.089	100.046	100.048
11	3:30	100.120	100.051	100.054
12	4: 0	99.987	99.926	99.928
13	4:30	99.265	99.551	99.677
14	5: 0	97.930	98.811	99.922
15	5:30	96.016	97.636	99.886
16	6: 0	93.790	96.632	99.707
17	6:30	93.005	95.989	99.827
18	7: 0	92.851	95.701	99.701
19	7:30	92.852	95.965	99.676
20	8: 0	92.289	95.622	99.725
21	8:30	91.375	95.065	99.692
22	9: 0	89.912	96.192	99.665
23	9:30	88.869	96.091	99.676
24	10: 0	90.717	96.620	99.659
25	10:30	91.665	96.865	99.289
26	11: 0	92.053	95.205	99.666
27	11:30	92.336	95.350	99.668
28	12: 0	91.576	96.916	99.626
29	12:30	91.916	96.690	99.546
30	13: 0	91.823	96.952	99.516
31	13:30	91.976	95.167	99.566
32	14: 0	92.769	95.586	99.582
33	14:30	93.396	95.837	99.618
34	15: 0	93.556	95.966	99.683
35	15:30	93.918	96.179	99.695
36	16: 0	96.076	96.615	99.717
37	16:30	96.087	97.256	99.737
38	17: 0	96.960	97.786	99.749
39	17:30	97.611	98.160	99.731
40	18: 0	97.996	98.376	99.725
41	18:30	98.179	98.606	99.770
42	19: 0	98.365	98.532	99.755
43	19:30	98.666	98.621	99.725
44	36: 0	99.131	98.967	99.952

実験No.29　TITLE = CASE 10　(A)　DATE 85/10/30　TIME 14:40: 3

CH. INDEX		101 T= 01	102 T= 11	103 T= 12	104 T= 13	105 T= 14	106 T= 15	107 T= 16	108 T= 17	109 T= 18	110 T= 21
INITIAL		21.300	20.900	19.800	19.300	19.000	18.800	18.700	18.600	18.600	20.300
FINAL		32.700	21.000	20.400	19.700	19.900	19.100	19.500	19.200	19.300	20.100
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	-0.400	-0.700	-0.200	0.0	-0.100	0.0	0.100	0.0	0.0	-0.300
3	01 0	-0.100	-0.200	-0.200	-0.100	-0.100	0.100	-0.100	0.0	0.0	-0.200
4	01 0	47.700	22.000	14.400	5.700	0.600	0.100	0.100	0.100	0.100	-0.100
5	0130	104.100	55.300	46.900	23.300	1.700	0.600	0.200	0.100	0.100	17.400
6	11 0	122.200	63.900	57.200	38.300	3.500	1.100	0.400	0.200	0.700	50.100
7	1130	135.500	65.400	65.300	55.400	12.700	1.600	0.800	0.300	0.400	55.700
8	21 0	148.200	75.900	70.600	57.300	18.500	1.900	1.000	0.600	0.400	60.800
9	2130	161.000	81.100	76.200	68.000	26.700	3.700	1.500	0.800	0.800	66.500
10	31 0	170.400	89.000	83.600	65.200	35.100	7.700	4.100	1.800	1.000	70.800
11	3130	178.600	98.100	91.500	75.800	41.800	13.500	7.200	2.700	1.400	79.500
12	41 0	189.400	100.400	97.000	78.300	47.900	19.200	9.100	4.800	1.800	86.200
13	4130	195.900	111.000	102.500	81.400	46.800	24.100	12.100	6.300	2.200	91.700
14	51 0	203.200	114.900	104.500	87.400	46.900	29.700	16.900	9.900	3.200	93.100
15	5130	200.300	118.000	108.100	87.600	48.500	31.000	19.600	13.100	5.400	98.000
16	61 0	207.000	120.700	110.900	92.400	51.900	31.700	21.400	15.300	8.500	100.700
17	6130	210.000	123.000	113.400	93.400	52.100	33.100	21.600	17.600	11.000	103.000
18	71 0	217.000	126.100	116.000	91.800	53.300	34.600	25.500	19.000	12.500	104.200
19	7130	217.500	127.100	117.000	96.800	51.700	35.600	26.000	19.900	13.600	105.500
20	81 0	221.000	128.500	119.900	98.300	55.100	36.800	27.000	20.500	14.100	107.600
21	8130	222.400	130.900	123.200	100.500	56.400	38.900	29.000	21.700	15.500	110.000
22	91 0	229.400	132.700	124.200	102.100	56.800	40.800	30.400	21.600	16.400	110.900
23	9130	225.000	133.200	125.100	105.900	56.200	40.600	31.000	21.500	17.000	111.500
24	101 0	226.500	136.000	126.400	105.000	59.800	40.100	31.200	21.700	17.400	113.300
25	10130	226.000	131.900	124.500	101.000	60.200	39.400	31.500	23.900	17.500	113.500
26	111 0	225.200	133.000	124.400	102.000	62.000	39.300	31.500	24.300	18.400	112.300
27	11130	216.100	130.100	127.000	100.100	63.200	39.600	32.000	24.800	18.700	110.700
28	121 0	209.100	126.700	121.400	100.900	63.000	39.100	32.100	25.000	19.100	108.700
29	12130	205.000	124.500	117.400	99.700	63.100	38.900	32.000	25.200	19.300	106.700
30	131 0	196.200	122.100	114.700	97.900	61.600	38.500	31.400	25.400	19.900	104.500
31	13130	189.000	118.100	111.100	94.300	61.300	39.500	32.000	25.700	20.100	102.100
32	141 0	176.500	112.300	106.500	90.400	59.000	39.400	31.400	25.700	19.900	97.600
33	14130	163.700	104.200	99.400	84.800	57.800	39.000	31.300	25.100	19.600	92.100
34	151 0	147.000	95.500	91.500	78.700	56.200	37.600	30.300	24.500	19.700	86.700
35	15130	134.300	87.000	84.500	73.900	52.800	37.100	30.100	24.200	19.300	78.000
36	161 0	120.700	78.100	76.400	68.700	50.000	36.200	29.200	24.100	19.200	71.200
37	16130	109.400	71.000	69.500	62.300	46.900	34.600	28.400	23.400	18.800	65.700
38	171 0	98.100	65.000	64.200	55.700	43.400	33.300	27.900	22.900	18.300	60.400
39	17130	91.100	61.300	58.400	51.100	41.000	32.000	27.400	22.300	17.800	55.700
40	181 0	84.700	57.500	55.200	47.100	38.700	30.700	26.500	21.600	17.300	52.000
41	18130	78.300	54.200	51.000	43.000	36.000	29.400	25.400	21.200	17.000	49.100
42	191 0	71.900	49.400	47.000	40.600	33.000	28.000	24.300	20.700	16.700	45.700
43	19130	60.100	45.100	42.500	37.600	31.200	26.500	23.300	19.900	16.100	42.400
44	40119	11.200	8.100	0.600	0.400	0.900	0.500	0.800	0.600	0.700	-0.200

TITLE = CASE 10　DATE 85/10/30　TIME 14:40: 3

CH. INDEX		111 T= 22	112 T= 23	113 T= 24	114 T= 25	115 T= 26	116 T= 27	117 T= 28	118 T= 31	119 T= 32	120 T= 33
INITIAL		21.700	19.600	19.000	18.500	18.500	19.100	18.300	20.600	19.800	19.900
FINAL		32.400	20.200	19.600	18.700	19.000	19.300	18.900	23.000	22.000	21.700
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	-0.100	-0.100	0.0	0.0	0.0	0.0	0.0	0.0
3	01 0	0.0	0.0	-0.200	0.0	0.100	0.0	0.0	0.0	0.0	0.0
4	01 0	0.0	-0.100	-0.300	0.100	0.100	0.0	0.100	0.0	-0.100	0.0
5	0130	1.200	15.300	7.500	0.400	0.100	0.0	0.100	5.700	5.400	2.100
6	11 0	4.200	28.700	10.100	0.800	0.600	0.0	0.200	18.100	21.800	8.600
7	1130	7.200	37.600	20.000	1.200	0.900	0.100	0.400	26.200	30.800	14.300
8	21 0	10.300	45.400	31.800	4.000	1.500	0.400	0.600	32.500	37.300	19.100
9	2130	13.700	52.700	36.400	8.500	3.000	1.300	0.900	38.000	43.000	23.700
10	31 0	17.000	58.100	41.700	13.500	6.900	2.700	1.200	47.300	47.400	27.300
11	3130	20.300	66.500	47.000	17.800	9.700	4.500	1.900	47.400	52.300	31.700
12	41 0	23.000	71.700	53.100	20.600	11.900	6.200	2.800	54.200	59.600	37.500
13	4130	26.800	74.700	56.500	23.100	13.000	8.400	3.700	59.000	64.100	41.300
14	51 0	29.700	78.100	60.900	26.100	16.000	10.300	5.200	63.200	68.800	45.400
15	5130	32.100	81.600	63.600	28.000	18.300	12.000	6.700	66.500	71.700	48.700
16	61 0	34.400	83.900	66.900	30.600	20.300	13.700	8.200	69.200	74.700	52.700
17	6130	36.400	84.700	69.200	32.700	22.300	15.200	10.000	72.000	77.200	55.700
18	71 0	38.200	86.000	68.400	34.400	24.000	16.400	11.600	74.000	79.300	57.800
19	7130	39.000	88.200	68.600	35.500	25.300	17.700	13.000	77.000	81.100	60.700
20	81 0	41.100	89.700	69.700	36.200	26.100	18.600	14.100	78.000	82.400	63.300
21	8130	42.300	91.200	69.000	37.000	27.100	19.400	15.200	80.700	84.200	65.300
22	91 0	43.000	91.600	68.100	37.900	28.300	20.100	16.300	81.500	85.400	67.100
23	9130	45.100	92.600	63.600	38.300	29.400	21.100	17.100	82.700	86.800	68.700
24	101 0	46.300	94.800	65.000	39.200	31.200	22.100	18.000	83.600	87.700	70.000
25	10130	47.000	95.100	65.300	39.300	31.300	22.000	18.400	84.700	88.400	71.100
26	111 0	48.600	94.200	66.000	39.800	32.500	23.200	19.200	86.700	88.900	72.100
27	11130	49.400	93.400	66.200	39.300	31.800	23.600	19.800	84.600	88.400	72.500
28	121 0	49.900	92.700	66.900	39.600	31.300	24.000	20.300	84.000	87.500	72.000
29	12130	50.200	91.500	67.200	39.300	30.800	24.300	20.500	83.600	86.700	72.000
30	131 0	50.400	90.400	67.600	39.500	30.900	24.300	20.600	82.600	85.300	72.600
31	13130	50.900	89.100	66.000	38.700	30.600	24.300	20.700	81.100	84.000	72.200
32	141 0	50.300	86.500	64.600	39.000	30.400	24.400	20.700	79.400	82.000	71.300
33	14130	49.800	83.200	61.700	37.400	29.400	24.200	20.700	77.100	79.300	70.000
34	151 0	48.900	78.100	59.600	37.100	29.000	24.100	20.700	73.700	75.500	68.100
35	15130	47.700	72.500	56.400	35.100	28.000	23.600	20.500	70.000	71.100	65.700
36	161 0	46.200	67.000	52.000	33.700	27.100	23.000	20.000	66.100	66.700	63.000
37	16130	44.500	61.800	49.400	33.200	26.700	22.700	19.500	61.800	62.200	60.100
38	171 0	42.800	57.100	46.000	32.000	26.900	22.200	19.100	57.900	58.000	57.100
39	17130	41.100	52.800	43.100	31.700	26.500	21.900	18.700	54.300	54.100	54.500
40	181 0	39.500	49.500	40.100	30.500	25.900	21.200	18.200	50.800	50.000	51.000
41	18130	38.100	45.600	37.200	28.000	24.200	20.700	17.000	47.000	47.400	49.200
42	191 0	36.900	42.500	35.500	27.700	23.100	20.000	17.300	45.100	44.700	47.000
43	19130	35.600	39.400	32.600	25.700	22.200	19.300	16.000	42.300	41.900	44.700
44	40119	10.700	0.600	0.0	0.200	0.500	0.200	0.400	3.200	3.000	1.000

TITLE = CASE 10　DATE 85/10/30　TIME 14:40: 3

CH. INDEX		121 T= 34	122 T= 35	123 T= 36	124 T= 37	125 T= 41	126 T= 42	127 T= 43	128 T= 44	129 T= 45	130 T= 46
INITIAL		18.400	19.200	19.600	18.100	18.000	18.500	18.200	18.700	18.200	18.300
FINAL		18.900	20.500	21.000	18.600	18.400	19.000	18.500	18.200	18.200	18.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.0	0.0	-0.100	0.0	0.0	0.100	0.0	-0.100	-0.100	0.0
3	01 0	0.0	0.0	0.0	0.0	0.100	0.100	0.0	-0.100	-0.100	0.0
4	01 0	0.100	0.100	0.0	0.100	0.200	0.300	0.400	0.200	0.200	0.100
5	0130	0.200	0.300	0.0	0.100	0.400	0.500	0.500	0.400	0.400	0.300
6	11 0	0.300	0.400	0.100	0.100	10.000	0.800	10.600	5.700	3.500	1.900
7	1130	0.900	1.200	0.400	0.200	18.900	16.700	19.100	11.300	6.700	4.400
8	21 0	3.000	2.800	1.200	0.500	26.200	24.100	29.000	16.700	10.600	7.900
9	2130	5.400	5.200	2.400	0.900	31.000	29.700	35.400	22.700	14.600	11.000
10	31 0	7.800	7.200	3.500	1.400	36.400	34.400	38.400	26.400	17.000	13.300
11	3130	10.200	10.000	5.100	2.200	40.600	39.100	42.100	29.200	18.400	15.500
12	41 0	12.300	12.400	6.500	3.100	45.900	44.900	47.700	34.200	21.900	17.100
13	4130	14.000	14.800	7.900	4.000	51.300	49.800	53.400	38.900	25.900	19.300
14	51 0	16.500	17.200	9.400	5.400	55.200	54.100	57.400	41.000	27.000	20.700
15	5130	18.300	19.100	11.000	6.700	57.900	57.100	60.000	44.000	28.100	22.100
16	61 0	19.800	21.000	12.600	7.800	60.300	60.800	61.000	44.700	30.900	23.500
17	6130	21.400	22.000	14.000	9.100	62.000	62.900	64.700	47.800	32.000	23.900
18	71 0	22.400	24.200	15.400	10.300	65.000	65.000	65.700	49.500	32.000	24.700
19	7130	23.000	25.400	16.500	11.400	67.500	67.000	67.100	51.200	32.900	25.700
20	81 0	24.700	27.400	17.700	12.400	69.000	68.500	68.400	52.000	34.000	26.400
21	8130	25.500	29.600	18.800	13.300	70.500	70.300	70.000	53.400	35.600	27.200
22	91 0	26.500	31.100	19.900	13.900	71.000	71.700	71.500	57.400	36.200	28.000
23	9130	26.900	32.100	20.700	14.600	72.900	72.700	71.500	53.700	35.600	28.000
24	101 0	27.700	32.900	21.400	15.600	73.300	73.500	73.200	55.200	35.500	28.400
25	10130	28.200	33.900	22.300	16.400	73.700	74.400	74.400	55.700	36.600	29.100
26	111 0	28.500	34.900	22.900	17.300	74.200	74.900	73.200	55.600	35.400	29.000
27	11130	28.700	35.300	23.500	17.900	74.200	74.800	73.200	56.300	36.000	29.000
28	121 0	28.900	35.000	23.900	18.400	74.300	74.700	72.500	55.200	36.000	29.000
29	12130	29.200	35.100	24.500	18.800	73.700	74.200	71.600	55.300	36.600	29.900
30	131 0	29.400	35.200	25.200	19.200	73.000	73.500	71.100	55.200	37.900	30.200
31	13130	29.300	35.400	25.400	19.500	72.300	72.700	69.700	53.500	38.100	29.800
32	141 0	29.100	35.200	25.600	19.700	71.000	71.700	68.000	50.800	37.300	29.000
33	14130	28.800	34.000	25.700	20.000	69.100	69.900	66.000	50.600	35.900	28.800
34	151 0	28.400	34.000	25.800	19.900	66.000	67.700	63.400	48.500	34.700	28.500
35	15130	27.800	33.300	25.900	19.700	63.000	64.800	60.000	47.500	33.200	27.200
36	161 0	27.200	32.200	25.100	19.500	60.000	61.500	56.500	45.000	34.400	26.400
37	16130	26.700	31.400	24.900	19.300	57.200	58.000	53.100	42.300	34.200	25.500
38	171 0	26.000	30.400	24.800	19.100	53.000	54.600	49.500	40.400	30.800	25.200
39	17130	25.700	29.400	24.300	18.700	50.000	51.200	46.400	38.500	28.800	24.200
40	181 0	24.900	28.300	24.100	18.400	47.300	48.200	43.400	36.500	27.600	23.400
41	18130	24.100	27.400	23.600	18.200	44.400	45.300	40.700	36.300	27.000	22.700
42	191 0	23.200	26.200	23.100	17.700	41.900	42.700	38.700	32.200	25.500	21.400
43	19130	22.500	25.100	22.600	17.200	39.300	40.200	36.000	30.200	23.800	20.500
44	40119	0.300	1.300	1.400	0.500	0.800	0.500	0.300	0.0	0.0	0.100

TITLE = CASE 10　DATE 85/10/30　TIME 14:40: 3

CH. INDEX		131 T= 47	132 T= 51	133 T= 52	134 T= 53	135 T= 54	136 T= 61	137 T= 62	138 T= 63	139 T= 64	140 T= 65
INITIAL		18.300	17.400	17.400	17.400	17.400	17.300	17.300	17.300	17.300	17.200
FINAL		18.400	18.200	17.900	17.800	17.900	17.700	17.700	17.600	17.700	17.600
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	01 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	01 0	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.100
3	01 0	0.100	0.100	0.100	0.0	0.0	0.0	0.100	0.0	0.0	0.100
4	01 0	0.200	0.100	0.200	0.100	0.100	0.100	0.100	0.100	0.100	0.100
5	0130	0.200	0.200	0.200	0.100	0.100	0.0	0.100	0.0	0.100	0.200
6	11 0	0.700	0.200	0.300	0.200	0.200	0.100	0.100	0.200	0.100	0.200
7	1130	1.300	19.000	7.300	4.300	0.900	0.100	0.100	0.100	0.100	0.200
8	21 0	2.700	27.400	11.000	7.900	2.400	3.400	2.400	2.700	1.700	1.900
9	2130	5.200	31.900	14.600	10.800	4.700	10.400	7.000	5.700	2.700	2.600
10	31 0	6.300	35.000	16.900	12.900	6.100	17.900	11.000	9.000	5.400	4.000
11	3130	7.400	36.700	18.900	14.100	7.000	18.000	12.700	10.000	6.900	6.600
12	41 0	9.000	41.700	21.000	15.100	9.100	22.400	15.200	12.300	8.400	8.500
13	4130	10.300	47.100	23.200	17.000	10.900	29.900	18.400	15.000	9.500	9.400
14	51 0	10.700	50.300	24.900	18.400	12.600	32.300	20.000	15.800	10.900	10.800
15	5130	11.900	52.500	26.100	19.400	13.000	34.900	21.000	17.400	11.900	11.800
16	61 0	12.800	53.900	27.800	20.500	14.000	37.400	23.200	17.700	12.500	12.900
17	6130	13.900	56.900	28.700	21.900	15.000	38.100	24.200	18.200	13.600	13.200
18	71 0	14.900	58.200	30.900	22.800	16.400	39.200	25.200	19.000	14.400	13.700
19	7130	16.200	59.200	31.700	23.800	17.000	40.000	26.900	19.200	14.800	13.800
20	81 0	17.400	60.400	32.500	24.300	17.800	42.900	27.200	19.000	15.700	14.000
21	8130	18.500	61.900	33.100	24.800	18.200	45.200	27.900	20.600	15.800	14.900
22	91 0	18.600	63.900	35.500	25.100	19.200	45.900	29.300	21.500	16.700	15.300
23	9130	19.700	64.500	36.400	26.000	19.600	46.700	29.200	21.000	17.000	15.900
24	101 0	19.800	64.800	35.900	26.300	20.100	47.700	30.500	22.000	17.700	16.100
25	10130	21.100	66.600	35.200	27.000	20.700	47.700	30.700	23.200	18.400	16.900
26	111 0	21.700	66.000	35.000	26.800	21.000	48.000	31.100	24.100	18.500	16.000
27	11130	22.500	66.400	35.800	27.400	21.900	47.800	30.900	23.900	18.800	16.700
28	121 0	22.500	66.100	37.100	28.100	21.400	47.900	30.300	23.000	18.900	16.800
29	12130	23.500	66.000	36.600	28.100	21.600	47.800	31.000	23.600	18.500	16.900
30	131 0	23.200	66.000	35.000	27.300	21.900	48.300	31.900	24.200	18.000	17.000
31	13130	22.700	63.500	36.000	27.200	21.700	46.200	31.200	23.400	18.100	17.100
32	141 0	22.700	62.100	36.100	27.400	21.700	44.400	30.700	23.300	18.700	17.100
33	14130	23.100	58.800	33.800	27.300	21.000	43.400	29.000	23.200	18.100	16.600
34	151 0	22.700	57.400	33.700	26.700	21.100	42.700	29.200	22.900	18.200	16.600
35	15130	21.900	54.700	31.500	25.000	20.600	41.000	28.200	21.900	17.700	16.700
36	161 0	21.400	49.700	28.700	23.900	20.100	37.400	26.600	20.900	17.400	15.800
37	16130	20.900	46.300	28.700	23.000	19.700	33.900	25.000	20.200	16.700	15.500
38	171 0	20.700	43.000	26.900	21.300	19.000	30.000	23.100	19.000	16.100	14.700
39	17130	20.100	41.400	25.700	21.400	18.800	28.000	21.500	18.000	15.500	14.500
40	181 0	19.600	37.000	24.400	19.900	18.300	25.300	20.200	17.300	15.000	14.200
41	18130	19.000	34.500	22.900	19.200	17.000	22.900	18.500	16.000	14.000	13.600
42	191 0	18.200	33.200	22.100	18.500	17.200	20.700	17.100	15.000	14.700	13.400
43	19130	17.900	31.200	21.500	17.900	16.000	15.000	13.000	14.500	13.700	13.400
44	40119	0.100	0.000	0.500	0.400	0.500	0.400	0.400	0.300	0.400	0.400

TITLE = CASE 10 DATE 85/10/30 TIME 14:40: 3

LOOP	TIME	141 T= 71	142 T= 72	143 T= 73	144 T= 74	145 T= 81	146 T= 82	147 T= 83	148 T= 84	149 T= 85	150 T= 91
INITIAL		17.400	17.100	17.400	17.300	17.300	17.300	17.300	17.300	17.400	17.300
FINAL		17.700	17.400	17.500	17.500	17.400	17.500	17.400	17.400	17.800	17.400
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.0	0.0	0.0
3	0: 0	0.0	0.0	0.0	0.100	0.0	0.100	0.0	0.0	0.0	0.0
4	0: 0	0.0	0.100	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.0
5	0:30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	1: 0	0.0	0.0	0.0	0.100	0.0	0.100	0.0	0.0	0.0	0.0
7	1:30	0.0	0.100	0.0	0.0	0.0	0.100	0.0	0.0	-0.100	0.0
8	2: 0	0.0	0.100	0.0	0.100	0.0	0.0	0.0	0.100	0.0	0.0
9	2:30	0.0	0.100	0.0	0.100	0.0	0.100	0.0	0.0	-0.100	0.0
10	3: 0	0.900	1.100	1.200	1.600	0.0	0.100	0.0	0.100	0.0	0.0
11	3:30	2.800	3.000	3.300	3.800	0.100	0.300	0.200	0.300	0.0	0.0
12	4: 0	4.300	4.700	4.900	5.300	0.800	1.000	0.900	0.900	0.400	0.100
13	4:30	8.400	6.900	6.700	7.200	1.400	1.900	2.000	1.700	0.900	0.300
14	5: 0	15.700	11.900	10.300	9.200	2.400	2.400	2.800	2.500	1.500	0.700
15	5:30	19.100	14.900	12.500	10.300	3.400	3.700	4.200	4.100	2.300	1.100
16	6: 0	21.700	14.900	13.900	12.000	4.900	5.100	5.700	5.500	3.000	1.700
17	6:30	23.100	15.800	14.400	12.800	5.400	5.900	6.300	6.300	3.900	2.200
18	7: 0	24.000	16.000	14.700	12.700	6.700	6.900	7.000	7.300	4.300	2.700
19	7:30	25.000	17.200	15.200	13.000	7.100	7.600	8.000	8.200	5.200	3.300
20	8: 0	28.400	17.800	15.500	13.200	7.700	8.100	8.300	8.600	5.700	3.800
21	8:30	28.700	18.100	15.600	13.600	8.900	9.100	9.600	10.200	6.800	4.400
22	9: 0	30.800	18.300	15.600	13.600	12.200	11.400	11.000	11.000	6.800	4.700
23	9:30	30.800	18.700	16.000	13.900	12.100	11.700	12.100	12.100	7.100	5.100
24	10: 0	30.200	19.100	16.800	14.300	13.200	12.300	12.400	12.300	7.400	5.300
25	10:30	31.400	19.400	16.900	14.900	14.100	12.800	11.700	12.400	8.200	6.000
26	11: 0	32.400	19.800	16.800	14.700	15.400	13.800	12.700	12.900	8.600	5.800
27	11:30	30.900	20.000	16.800	14.400	13.600	12.800	12.900	12.900	8.700	5.800
28	12: 0	31.200	19.600	17.100	14.600	15.200	14.100	13.100	12.900	9.000	6.000
29	12:30	32.200	20.400	17.500	15.200	15.100	14.100	13.000	13.000	9.300	6.100
30	13: 0	31.800	20.200	17.300	15.300	16.000	14.500	13.100	13.500	9.800	6.300
31	13:30	32.100	19.900	16.700	14.900	15.200	13.800	12.800	13.400	10.000	6.400
32	14: 0	31.500	19.400	17.500	15.300	14.000	13.700	12.900	13.500	9.800	6.500
33	14:30	30.800	19.800	17.500	15.500	12.100	12.000	11.900	13.000	9.800	6.400
34	15: 0	29.500	19.700	17.900	15.000	11.900	12.200	11.500	12.500	10.100	6.300
35	15:30	27.700	18.800	15.900	14.800	10.900	11.100	11.000	11.900	10.200	6.300
36	16: 0	24.300	17.800	16.300	14.900	9.700	10.000	9.800	10.800	10.100	6.400
37	16:30	22.600	17.500	16.100	14.400	9.000	9.300	9.700	10.300	9.600	6.100
38	17: 0	15.300	14.700	14.200	14.200	8.100	8.600	8.300	9.200	9.000	5.800
39	17:30	13.400	11.300	13.100	13.400	7.700	8.100	8.000	8.600	8.500	5.800
40	18: 0	11.400	11.800	11.800	11.900	7.400	7.700	7.600	7.900	7.900	5.400
41	18:30	10.300	10.700	10.400	11.100	6.400	6.700	6.600	7.300	7.400	5.200
42	19: 0	9.200	9.700	9.900	10.400	6.800	6.200	6.200	6.600	6.900	4.900
43	19:30	8.200	8.700	8.600	9.100	5.700	5.900	5.900	6.300	6.800	4.600
44	40:19	0.300	0.100	0.100	0.200	0.100	0.200	0.300	0.300	0.400	0.100

TITLE = CASE 10 DATE 85/10/30 TIME 14:40: 3

LOOP	TIME	151 T= 92	152 T= 93	153 T= 94	154 T=101	155 T=102	156 T=103	157 T=104	158 T=105	159 T=111	160 T=112
INITIAL		17.300	17.300	17.300	17.300	17.200	17.200	17.300	17.300	17.300	17.200
FINAL		17.500	17.600	17.400	17.400	17.300	17.400	17.500	17.400	17.400	17.300
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.0	0.0	0.100	0.0	0.0	0.0	0.0	-0.100	0.0
3	0: 0	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0: 0	0.0	0.100	0.0	0.0	0.0	0.100	0.0	0.0	0.0	0.0
5	0:30	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.0	-0.100	0.0
6	1: 0	0.0	0.100	0.0	0.100	0.100	0.100	0.0	0.0	0.0	0.0
7	1:30	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.0	0.0	0.0
8	2: 0	0.0	0.0	0.0	0.100	0.0	0.100	0.0	0.0	0.0	0.0
9	2:30	0.0	0.100	0.0	0.0	0.0	0.100	0.0	0.0	-0.100	0.0
10	3: 0	0.0	0.100	0.0	0.100	0.0	0.100	0.0	0.0	0.0	0.0
11	3:30	0.0	0.100	0.0	0.0	0.100	0.100	0.0	0.0	0.0	0.0
12	4: 0	0.100	0.300	0.200	0.100	0.100	0.100	0.0	0.100	0.0	0.0
13	4:30	0.300	0.600	0.400	0.100	0.100	0.100	0.100	0.100	0.0	0.0
14	5: 0	0.800	1.300	1.300	0.300	0.300	0.400	0.300	0.300	0.0	0.0
15	5:30	1.400	2.100	2.000	0.600	0.700	0.900	0.700	0.700	0.100	0.200
16	6: 0	1.900	2.500	2.300	0.900	1.100	1.400	1.000	1.000	0.400	0.500
17	6:30	2.500	3.100	3.200	1.400	1.700	1.900	1.800	1.700	0.800	0.900
18	7: 0	3.100	4.100	4.200	1.600	2.100	2.200	2.000	2.200	1.100	1.100
19	7:30	3.700	4.500	4.300	1.900	2.400	2.700	2.500	2.700	1.500	1.500
20	8: 0	4.200	5.100	5.600	2.300	2.700	3.000	3.000	3.100	1.800	1.900
21	8:30	4.700	5.700	6.100	2.700	3.100	3.300	3.300	3.500	2.200	2.200
22	9: 0	5.400	7.100	7.500	2.800	3.300	3.700	3.700	3.700	2.600	2.500
23	9:30	5.600	7.000	7.000	3.300	3.900	4.200	4.100	4.200	2.700	2.600
24	10: 0	6.200	7.700	7.400	3.600	4.100	4.700	4.600	4.800	3.100	3.000
25	10:30	6.600	8.000	8.500	4.000	4.600	4.900	5.000	5.000	3.200	3.100
26	11: 0	6.300	7.000	7.500	4.200	4.800	5.000	5.200	5.300	3.400	3.400
27	11:30	6.300	7.100	8.000	4.200	4.800	5.400	5.400	5.600	3.500	3.600
28	12: 0	6.500	7.000	7.100	4.300	4.800	5.100	5.300	5.500	3.700	3.800
29	12:30	6.400	7.100	7.500	4.400	4.900	5.200	5.300	5.600	3.800	3.800
30	13: 0	6.600	7.500	7.300	4.400	4.800	5.100	5.300	5.500	3.900	3.800
31	13:30	6.800	8.400	8.000	4.400	4.700	5.100	5.400	5.500	3.800	3.700
32	14: 0	6.800	7.700	8.400	4.400	4.700	5.100	5.400	5.600	3.700	3.700
33	14:30	6.800	7.600	8.400	4.400	4.800	5.100	5.200	5.500	3.600	3.700
34	15: 0	6.700	7.300	8.000	4.300	4.700	5.000	5.200	5.400	3.700	3.700
35	15:30	6.700	8.000	8.600	4.200	4.600	4.800	5.100	5.300	3.700	3.700
36	16: 0	6.600	7.000	8.600	4.200	4.500	4.600	4.700	5.000	3.600	3.700
37	16:30	6.300	7.200	7.900	4.100	4.400	4.700	4.700	5.000	3.500	3.600
38	17: 0	6.000	6.700	7.300	4.100	4.400	4.800	4.800	5.000	3.500	3.600
39	17:30	5.900	6.900	7.100	4.100	4.300	4.700	4.800	4.900	3.600	3.600
40	18: 0	5.700	6.200	6.700	3.900	4.100	4.400	4.500	4.700	3.400	3.500
41	18:30	5.600	5.700	5.800	3.900	4.000	4.300	4.500	4.700	3.500	3.700
42	19: 0	5.100	5.300	5.300	3.800	3.900	4.200	4.300	4.500	3.300	3.400
43	19:30	4.700	5.000	5.100	3.600	3.700	4.000	4.000	4.200	3.100	3.200
44	40:19	0.200	0.300	0.100	0.100	0.100	0.200	0.200	0.100	0.100	0.100

TITLE = CASE 10 DATE 85/10/30 TIME 14:40: 3

LOOP	TIME	161 T=113	162 T=114	163 T=121	164 T=122	165 T=123	166 T=124	167 T=125	168 T=131	169 T=132	170 T=133
INITIAL		17.300	17.300	17.200	17.200	17.200	17.300	17.200	17.100	17.200	17.100
FINAL		17.400	17.400	17.300	17.200	17.400	17.300	17.300	17.100	17.200	17.200
LOOP	TIME	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
1	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0: 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.100
3	0: 0	0.0	0.0	0.0	0.0	0.100	0.0	0.0	0.0	0.0	0.100
4	0: 0	0.0	0.0	0.100	0.0	0.100	0.0	0.0	0.0	0.0	0.100
5	0:30	0.0	0.0	0.0	-0.100	0.0	0.0	0.0	0.0	0.0	0.0
6	1: 0	0.0	0.0	0.0	0.100	0.0	0.0	0.100	0.0	0.0	0.100
7	1:30	0.0	0.0	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.100
8	2: 0	0.0	0.0	0.100	-0.100	0.0	0.0	0.100	0.0	0.0	0.0
9	2:30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.100
10	3: 0	0.0	0.0	0.100	-0.100	0.0	0.0	0.0	0.0	0.0	0.100
11	3:30	0.0	0.0	0.0	0.0	0.0	0.0	0.100	0.0	0.0	0.100
12	4: 0	0.0	0.100	0.100	0.0	0.0	0.100	0.100	0.100	0.0	0.100
13	4:30	0.0	0.0	0.0	0.100	0.0	0.0	0.100	0.0	0.0	0.100
14	5: 0	0.100	0.100	0.100	-0.100	0.100	0.0	0.100	0.0	0.0	0.100
15	5:30	0.200	0.200	0.100	0.100	0.100	0.100	0.100	0.0	0.0	0.100
16	6: 0	0.500	0.500	0.100	0.100	0.200	0.200	0.200	0.0	0.0	0.100
17	6:30	1.000	1.000	0.500	0.400	0.500	0.500	0.500	0.200	0.100	0.300
18	7: 0	1.300	1.300	0.700	0.700	0.700	0.800	0.800	0.300	0.300	0.400
19	7:30	1.700	1.800	1.000	0.900	1.000	1.100	1.100	0.800	0.500	0.700
20	8: 0	2.100	2.100	1.300	1.300	1.300	1.400	1.400	0.700	0.700	0.900
21	8:30	2.400	2.500	1.500	1.600	1.700	1.800	1.800	1.000	1.000	1.200
22	9: 0	2.900	2.900	1.900	1.700	1.900	2.000	2.000	1.300	1.400	1.500
23	9:30	3.000	3.100	2.000	2.100	2.100	2.200	2.300	1.500	1.500	1.700
24	10: 0	3.300	3.400	2.100	2.300	2.400	2.400	2.400	1.600	1.600	1.800
25	10:30	3.500	3.600	2.400	2.500	2.500	2.800	2.600	1.700	1.700	1.900
26	11: 0	3.700	3.700	2.700	2.700	2.800	2.900	3.000	1.900	1.900	2.100
27	11:30	4.000	4.000	2.700	2.700	2.900	3.000	3.100	2.000	2.100	2.200
28	12: 0	4.100	4.200	2.800	3.000	3.000	3.100	3.200	2.200	2.200	2.300
29	12:30	4.400	4.400	2.900	2.900	3.100	3.200	3.300	2.300	2.300	2.500
30	13: 0	4.400	4.400	2.900	3.000	3.100	3.300	3.300	2.400	2.400	2.400
31	13:30	4.300	4.400	3.200	3.100	3.300	3.400	3.500	2.300	2.500	2.500
32	14: 0	4.200	4.200	3.000	3.000	3.700	3.500	3.400	2.400	2.500	2.400
33	14:30	4.100	4.300	3.100	3.200	3.500	3.500	3.400	2.400	2.400	2.700
34	15: 0	4.100	4.300	2.900	3.200	3.300	3.400	3.400	2.300	2.400	2.400
35	15:30	4.100	4.300	2.900	3.100	3.200	3.300	3.400	2.300	2.300	2.500
36	16: 0	4.100	4.100	3.200	3.300	3.400	3.400	3.400	2.300	2.400	2.400
37	16:30	3.900	4.000	3.100	3.000	3.200	3.200	3.300	2.400	2.400	2.400
38	17: 0	3.900	4.000	2.900	3.000	3.100	3.200	3.200	2.300	2.400	2.300
39	17:30	3.900	4.000	2.900	2.900	3.100	3.200	3.300	2.300	2.400	2.300
40	18: 0	3.800	3.900	2.900	3.000	3.200	3.200	3.100	2.200	2.300	2.300
41	18:30	3.800	4.000	2.900	3.100	3.200	3.300	3.200	2.300	2.400	2.300
42	19: 0	3.400	3.700	2.800	2.800	3.000	3.100	3.100	2.200	2.300	2.400
43	19:30	3.500	3.600	2.500	2.700	2.800	2.800	2.900	2.200	2.300	2.400
44	40:19	0.100	0.100	0.100	0.0	0.200	0.0	0.100	0.0	0.0	0.100

TITLE = CASE 10 DATE 85/10/30 TIME 14:40: 3

LOOP	TIME	171 T=134	172 T=141	173 T=151	201 S= 21	202 S= 22	203 S= 23	204 S= 24	205 S= 25	206 S= 26	207 S= 31
INITIAL		17.200	16.400	16.600	0.160	0.167	0.165	0.161	0.162	0.160	0.155
FINAL		17.200	16.200	17.000	0.174	0.131	0.144	0.157	0.158	0.156	0.124
LOOP	TIME	(C)	(C)	(C)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	0: 0	0.0	0.0	0.0	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	0: 0	0.0	0.0	-0.100	100.044	99.994	100.030	100.000	100.017	100.017	100.077
3	0: 0	0.0	0.100	0.0	100.000	100.000	100.036	100.000	100.017	100.051	100.090
4	0: 0	0.0	0.100	0.0	100.125	100.056	100.074	100.051	100.012	100.051	100.045
5	0:30	0.0	0.0	0.0	79.202	88.606	97.256	99.969	100.031	100.079	87.410
6	1: 0	0.0	0.0	0.100	79.143	70.376	89.913	99.000	99.969	100.087	75.344
7	1:30	0.0	-0.100	0.0	85.000	79.267	86.700	89.300	99.821	100.056	79.476
8	2: 0	0.100	0.0	0.0	85.473	86.107	91.351	70.491	97.669	99.879	84.471
9	2:30	0.100	0.0	0.0	85.600	86.451	92.026	80.009	95.435	97.270	85.306
10	3: 0	0.100	0.100	0.0	80.342	86.800	93.002	87.201	88.030	90.542	86.377
11	3:30	0.0	0.100	0.100	89.071	80.866	95.417	86.110	75.573	88.881	88.217
12	4: 0	0.100	0.100	0.100	90.503	90.167	94.113	86.734	77.004	85.401	88.011
13	4:30	0.100	0.200	0.100	87.040	86.497	94.192	86.300	77.512	87.085	80.474
14	5: 0	0.100	0.200	0.100	84.001	83.111	92.155	86.701	79.094	81.502	84.363
15	5:30	0.100	0.200	0.0	83.025	88.467	89.907	86.508	80.667	81.870	83.253
16	6: 0	0.100	0.200	0.0	85.178	81.306	88.616	83.409	82.037	82.328	81.850
17	6:30	0.300	0.300	0.100	85.210	82.442	90.257	81.889	81.240	81.033	85.538
18	7: 0	0.400	0.400	0.100	86.093	85.209	90.596	83.276	78.737	80.034	83.014
19	7:30	0.700	0.400	0.100	84.671	83.160	91.067	84.027	76.979	78.572	83.356
20	8: 0	0.800	0.500	0.100	83.487	81.792	90.923	85.013	77.756	78.459	87.355
21	8:30	1.200	0.500	0.200	83.048	81.400	88.483	81.496	77.467	77.022	81.962
22	9: 0	1.500	0.700	0.300	84.513	85.271	88.144	80.445	77.867	77.347	83.090
23	9:30	1.700	0.600	0.200	86.463	86.125	92.401	77.978	76.869	77.260	85.494
24	10: 0	1.800	0.700	0.100	85.908	83.958	91.192	77.429	76.251	76.554	85.700
25	10:30	2.000	0.800	0.100	85.127	84.194	91.073	78.949	77.256	77.801	85.419
26	11: 0	2.200	0.800	0.100	84.013	83.445	90.221	78.171	80.199	79.300	84.447
27	11:30	2.300	0.900	0.200	83.081	83.796	91.333	78.127	82.129	81.221	84.182
28	12: 0	2.300	0.800	0.200	82.483	81.240	89.671	78.750	81.727	82.920	83.111
29	12:30	2.500	1.000	0.200	82.096	82.495	89.750	81.445	84.277	83.405	82.888
30	13: 0	2.600	1.100	0.200	81.745	82.337	88.617	82.977	84.282	83.920	82.784
31	13:30	2.600	1.000	0.200	81.150	82.130	90.326	82.019	85.078	84.476	83.027
32	14: 0	2.700	1.100	0.200	80.055	82.713	90.403	81.119	85.447	84.494	82.791
33	14:30	2.700	1.200	0.200	79.655	81.223	88.994	81.822	85.888	85.196	82.310
34	15: 0	2.800	1.100	0.200	79.139	81.126	89.286	82.118	85.549	85.467	81.116
35	15:30	2.600	1.300	0.200	78.666	80.097	88.118	84.185	86.939	86.329	80.677
36	16: 0	2.600	1.300	0.200	77.863	79.676	88.571	87.209	87.323	86.901	80.476
37	16:30	2.700	1.400	0.200	76.809	79.167	86.510	88.609	87.418	86.096	79.017
38	17: 0	2.600	1.500	0.200	76.129	78.815	86.867	81.800	86.879	86.829	78.296
39	17:30	2.600	1.500	0.200	75.345	76.810	85.170	82.799	87.309	86.903	77.957
40	18: 0	2.600	1.500	0.200	75.205	77.262	85.141	83.956	87.469	86.701	77.881
41	18:30	2.600	1.300	0.200	74.055	77.021	84.601	85.517	87.348	86.400	77.076
42	19: 0	2.500	1.200	0.200	73.753	76.539	85.010	84.867	87.521	86.107	76.519
43	19:30	2.500	1.200	0.200	73.420	76.577	84.196	84.047	87.109	86.281	75.576
44	40:19	0.0	1.800	0.400	77.567	80.835	84.770	94.400	97.204	97.320	79.770

TITLE = CASE 10 DATE 85/10/30 TIME 141401 3

LOOP	TIME	208 S= 32	209 S= 33	210 S= 34	211 S= 35	212 S= 41	213 S= 42	214 S= 43	215 S= 44	216 S= 45	217 S= 51
INITIAL		0.153	0.171	0.164	0.155	0.166	0.155	0.155	0.165	0.160	0.157
FINAL		0.124	0.152	0.152	0.150	0.143	0.135	0.144	0.160	0.156	0.132
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	100.000	100.004	100.004	99.994	100.006	100.045	100.000	100.010	99.981	100.019
3	01 0	100.000	100.070	100.030	100.000	99.994	100.026	100.013	100.012	99.919	100.029
4	01 0	100.007	100.020	100.049	100.019	100.060	100.032	100.076	100.004	99.987	100.011
5	0130	91.045	99.584	99.856	100.045	100.040	100.026	100.012	100.018	99.937	100.025
6	11 0	75.768	99.586	99.886	100.000	86.231	86.801	98.585	98.366	99.185	100.006
7	1130	66.700	81.397	91.522	99.588	76.141	74.948	91.507	95.380	95.980	97.128
8	21 0	75.457	84.142	77.081	90.114	81.011	77.080	81.582	88.317	80.409	77.701
9	2130	77.222	87.411	74.512	84.848	85.710	82.181	82.927	79.106	77.911	81.401
10	31 0	78.467	87.839	82.557	88.728	84.157	83.089	84.882	82.571	81.280	84.888
11	3130	81.990	90.369	82.412	82.596	87.853	85.121	88.771	83.107	80.973	86.555
12	41 0	81.033	90.217	85.016	81.890	88.457	85.410	87.751	84.132	81.411	86.748
13	4130	81.991	89.563	83.957	81.895	90.075	86.982	88.825	85.520	81.878	87.494
14	51 0	78.801	89.825	84.820	85.213	88.421	85.952	89.538	85.818	81.722	87.756
15	5130	76.595	87.441	84.842	85.138	85.819	83.286	88.346	84.235	81.271	85.327
16	61 0	73.385	86.481	82.419	84.473	83.416	81.187	87.448	83.737	82.251	83.090
17	6130	78.801	86.116	81.408	81.461	84.460	82.405	85.992	81.875	81.426	81.696
18	71 0	75.781	86.765	80.545	80.677	84.346	82.206	86.937	81.587	77.598	82.157
19	7130	78.997	86.420	80.746	80.960	84.090	81.888	87.710	82.463	78.907	81.948
20	81 0	76.077	85.696	81.427	81.398	85.414	82.818	84.497	82.761	79.413	81.745
21	8130	73.765	85.521	81.282	80.915	84.380	81.998	87.512	82.128	78.757	80.466
22	91 0	75.585	85.345	80.971	80.986	83.742	81.522	87.532	81.824	78.894	79.501
23	9130	77.285	83.780	80.898	80.220	84.253	83.861	86.670	81.838	78.838	80.491
24	101 0	81.389	85.025	81.658	80.980	87.908	86.482	91.170	84.494	81.029	82.465
25	10130	80.165	85.767	84.432	82.870	88.586	87.458	90.946	84.822	81.552	81.503
26	111 0	79.417	88.581	81.863	84.917	87.888	84.680	91.580	87.964	84.861	82.808
27	11130	79.870	88.692	81.731	86.170	87.177	85.990	89.239	88.431	85.631	80.811
28	121 0	78.231	88.786	85.720	86.780	87.111	85.626	88.327	88.820	86.566	80.572
29	12130	78.160	87.752	82.861	87.854	86.708	84.220	88.359	88.972	86.865	79.516
30	131 0	78.284	87.583	84.668	87.650	86.469	85.224	89.405	88.705	86.739	79.419
31	13130	74.379	87.945	82.278	87.819	86.954	85.915	89.368	89.318	87.336	78.866
32	141 0	75.755	85.516	79.616	88.199	86.286	85.494	91.105	89.542	87.561	78.635
33	14130	76.587	85.592	80.037	88.104	86.086	85.585	90.228	89.755	87.889	77.977
34	151 0	77.157	87.635	82.389	88.579	85.480	84.846	89.684	90.271	86.567	77.277
35	15130	76.801	85.206	82.546	88.426	84.575	83.775	89.517	90.085	88.703	76.767
36	161 0	76.442	85.427	81.253	89.407	84.092	83.402	87.093	89.670	88.899	75.507
37	16130	73.357	85.595	77.619	89.338	82.066	81.951	88.711	89.265	89.717	75.407
38	171 0	72.899	85.195	79.511	88.487	82.347	81.813	87.920	89.597	89.131	75.142
39	17130	73.196	86.277	80.320	88.765	82.196	81.477	88.857	89.908	80.849	76.167
40	181 0	72.707	86.296	81.336	88.928	81.840	81.807	88.230	89.409	88.256	76.507
41	18130	77.414	84.488	80.928	88.360	81.867	79.919	87.577	89.401	88.793	76.749
42	191 0	67.776	82.700	82.299	88.572	81.516	80.710	88.426	89.440	89.388	76.904
43	19130	70.894	82.355	82.613	88.476	80.816	79.862	87.255	89.707	89.175	73.179
44	40119	81.467	80.616	92.702	90.489	86.896	86.467	95.108	96.951	97.464	84.161

TITLE = CASE 10 DATE 85/10/30 TIME 141401 3

LOOP	TIME	218 S= 52	219 S= 53	220 S= 54	221 S= 61	222 S= 62	223 S= 63	224 S= 64	225 S= 71	226 S= 72	227 S= 81
INITIAL		0.163	0.162	0.154	0.153	0.150	0.163	0.153	0.155	0.157	0.150
FINAL		0.150	0.136	0.150	0.137	0.152	0.150	0.152	0.150	0.155	0.155
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2	01 0	100.000	100.074	99.974	100.007	100.030	99.939	99.993	99.994	100.019	100.006
3	01 0	99.965	100.074	99.968	100.000	100.000	99.865	99.987	99.987	100.019	99.994
4	01 0	99.996	100.019	99.989	100.076	100.006	99.908	100.013	99.981	100.076	100.019
5	0130	100.000	100.012	99.922	100.020	100.006	99.872	99.993	99.968	100.058	100.051
6	11 0	100.074	100.049	100.020	100.007	100.051	99.935	100.070	99.987	100.045	100.019
7	1130	97.077	96.318	97.022	100.013	100.013	99.945	100.007	100.006	100.051	100.038
8	21 0	79.676	88.459	90.851	90.104	97.139	91.862	96.336	99.974	100.057	100.038
9	2130	80.961	87.743	85.499	78.883	87.707	87.490	96.786	99.549	98.864	100.079
10	31 0	78.836	86.396	83.535	79.458	86.209	83.457	97.609	94.741	94.335	100.000
11	3130	83.186	86.112	83.693	82.975	84.540	81.345	90.765	80.557	87.074	90.800
12	41 0	82.172	87.436	84.010	80.899	84.423	83.449	89.563	87.463	84.018	94.256
13	4130	84.569	87.519	82.412	80.728	85.440	82.879	89.171	85.505	80.825	93.667
14	51 0	84.375	89.270	84.465	82.517	85.847	83.228	89.440	80.156	80.815	91.565
15	5130	84.533	88.151	84.309	85.139	84.867	84.251	88.982	78.856	80.315	90.008
16	61 0	81.459	86.570	81.841	81.318	85.481	84.061	88.036	82.607	80.595	89.104
17	6130	76.795	86.806	81.447	76.149	83.031	81.171	87.533	81.211	79.416	80.029
18	71 0	76.818	85.711	80.472	76.451	81.910	80.675	86.287	77.556	78.820	87.906
19	7130	79.376	86.100	80.511	76.752	81.595	80.497	85.476	77.206	77.863	87.167
20	81 0	79.083	86.903	80.114	76.503	81.922	80.607	84.904	79.718	77.925	85.036
21	8130	76.948	87.576	80.758	76.960	87.350	80.748	83.445	79.881	77.370	87.725
22	91 0	77.455	86.936	87.161	77.034	87.176	80.899	83.756	79.747	77.180	85.446
23	9130	78.371	87.187	81.265	75.711	81.431	80.430	83.019	78.012	77.365	78.518
24	101 0	87.140	87.918	82.410	77.165	81.367	80.724	83.324	79.869	77.100	83.658
25	10130	83.777	89.492	84.445	80.285	81.472	81.575	83.458	79.576	77.759	87.587
26	111 0	81.217	90.690	84.377	81.135	84.776	83.142	85.157	81.823	78.151	82.156
27	11130	82.617	90.950	87.742	89.060	86.023	84.489	85.776	82.827	79.551	84.092
28	121 0	82.785	91.184	88.705	79.811	86.352	85.453	89.056	83.619	81.109	85.793
29	12130	81.616	91.197	88.438	80.484	86.453	85.953	89.088	83.329	82.102	87.111
30	131 0	80.311	91.170	88.054	78.789	86.609	86.125	91.532	81.559	83.026	86.747
31	13130	80.709	91.425	89.136	80.316	86.507	86.408	92.056	81.443	83.675	86.506
32	141 0	80.869	91.475	89.116	78.639	86.508	86.035	92.278	83.035	83.868	88.272
33	14130	81.333	91.401	89.147	78.491	86.028	86.188	92.564	81.308	83.911	89.081
34	151 0	81.859	91.376	89.776	77.650	86.917	86.016	91.800	83.713	86.817	88.956
35	15130	80.990	91.382	89.817	77.529	86.976	87.106	93.380	87.936	84.778	89.439
36	161 0	81.201	91.153	89.619	78.960	86.848	86.743	93.013	83.818	85.751	89.956
37	16130	80.745	91.161	90.083	78.193	86.357	86.792	93.305	84.005	85.307	90.259
38	171 0	80.568	90.475	89.980	77.912	86.409	86.717	91.868	84.777	86.109	90.449
39	17130	79.974	90.875	89.849	77.977	84.491	86.965	93.703	86.065	86.327	90.619
40	181 0	79.956	90.636	89.661	79.340	86.533	86.899	93.766	84.809	86.516	91.150
41	18130	80.146	90.659	89.862	79.255	86.521	87.055	93.927	85.382	86.800	91.769
42	191 0	79.989	90.665	90.077	76.883	86.363	87.570	93.953	89.485	87.081	91.296
43	19130	80.035	90.307	89.635	80.701	87.010	87.602	94.103	89.781	87.458	91.711
44	40119	91.785	96.650	97.417	89.807	95.679	96.773	98.911	96.370	97.678	97.145

TITLE = CASE 10 DATE 85/10/30 TIME 141401 3

LOOP	TIME	228 S= 82	229 S= 83	230 S= 91	231 S= 92	232 S=101	233 S=102	234 S=103	235 S=111	236 S=112	237 S=121
INITIAL		0.157	0.156	0.159	0.156	0.164	0.158	0.160	0.158	0.155	0.167
FINAL		0.154	0.156	0.157	0.154	0.163	0.157	0.158	0.159	0.154	0.161
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1	01 0	100.000	100.000	100.000	100.000	100.030	100.000	100.000	100.000	100.000	100.000
2	01 0	99.994	100.013	99.987	99.981	99.994	100.006	100.006	100.057	100.006	100.000
3	01 0	99.987	100.013	99.994	99.987	100.040	100.006	99.994	99.950	100.013	100.012
4	01 0	100.011	100.014	99.994	100.006	100.012	100.006	100.013	100.208	100.013	100.006
5	0130	100.011	100.019	99.987	100.013	100.006	100.013	100.019	100.170	100.013	100.006
6	11 0	100.011	100.026	100.013	100.006	100.026	100.025	100.031	100.145	100.019	100.019
7	1130	100.019	100.032	100.006	100.006	99.994	100.032	100.044	100.119	100.076	100.011
8	21 0	100.013	100.032	99.994	100.026	100.000	100.019	100.044	100.133	100.076	100.011
9	2130	100.019	100.026	100.006	100.019	100.040	100.025	100.050	100.038	100.097	100.025
10	31 0	99.975	100.000	99.994	100.032	100.026	100.025	100.063	100.164	100.032	100.017
11	3130	98.691	98.256	99.907	99.981	100.037	100.019	100.063	100.063	100.026	100.050
12	41 0	95.317	95.966	99.865	99.962	100.060	100.044	100.075	100.164	100.045	100.063
13	4130	93.144	92.621	98.628	99.500	99.826	99.677	99.756	100.246	100.030	100.056
14	51 0	91.041	90.776	97.037	99.352	98.640	97.956	97.572	99.861	99.762	100.043
15	5130	89.452	88.752	96.126	99.031	96.896	95.380	95.926	98.982	98.279	99.716
16	61 0	88.448	88.521	95.488	98.050	96.056	92.496	93.360	97.040	95.586	98.842
17	6130	88.919	88.196	94.876	98.794	91.878	90.411	91.296	96.380	92.679	97.092
18	71 0	87.508	87.582	94.265	98.753	91.644	89.506	90.408	93.014	90.268	95.099
19	7130	87.298	86.765	93.005	98.672	90.290	88.557	88.896	91.595	88.911	93.167
20	81 0	85.884	83.881	93.616	98.502	89.567	87.580	88.881	90.793	88.136	92.210
21	8130	85.881	82.859	93.110	98.403	88.960	87.135	88.562	88.746	87.011	91.174
22	91 0	83.956	82.796	92.786	98.105	88.720	86.810	87.988	89.029	86.229	91.149
23	9130	81.872	81.769	91.866	98.120	87.643	85.856	86.087	88.986	85.448	90.458
24	101 0	85.015	82.026	91.536	98.101	86.306	86.468	86.780	87.689	84.129	89.679
25	10130	85.056	83.057	91.410	98.152	86.165	84.061	84.239	88.063	83.619	88.916
26	111 0	85.912	83.851	91.593	98.172	86.044	82.513	84.018	88.862	83.270	88.208
27	11130	84.712	84.806	92.083	98.191	85.580	83.677	84.284	88.584	82.003	87.841
28	121 0	85.792	85.895	91.850	98.186	85.593	83.508	85.013	85.591	81.977	87.111
29	12130	86.540	87.231	91.971	98.338	85.818	84.006	85.559	88.170	80.905	86.822
30	131 0	87.150	87.579	92.736	98.615	86.870	84.576	86.370	88.049	82.449	86.422
31	13130	87.087	88.233	93.074	98.486	87.089	85.487	86.910	88.950	83.409	87.068
32	141 0	88.741	88.899	93.263	98.505	88.391	86.791	88.018	87.392	84.162	87.872
33	14130	88.785	88.867	93.578	98.524	88.197	88.965	88.337	88.127	84.918	88.633
34	151 0	88.510	89.390	93.736	98.544	89.306	87.722	89.944	89.019	85.659	89.171
35	15130	89.226	89.680	93.019	98.544	89.628	88.145	89.474	90.010	86.779	89.722
36	161 0	89.452	90.007	94.221	98.524	90.497	88.911	90.145	90.667	87.201	90.285
37	16130	90.227	90.757	94.322	98.556	90.862	89.283	89.995	91.019	87.981	90.681
38	171 0	90.316	90.904	94.464	98.556	91.166	89.580	90.195	91.386	88.252	91.331
39	17130	90.513	90.969	94.541	98.512	91.239	89.565	90.959	91.441	88.485	91.107
40	181 0	90.708	91.403	94.549	98.512	91.342	89.823	90.516	91.355	88.918	91.776
41	18130	91.041	91.785	94.996	98.505	92.026	90.340	90.852	92.110	89.118	92.259
42	191 0	91.117	91.967	94.865	98.488	92.462	90.719	91.603	92.488	90.068	92.720
43	19130	91.486	91.376	95.059	98.480	92.462	90.614	91.778	92.769	89.859	92.556
44	40119	97.801	98.495	98.916	98.956	99.465	99.228	99.836	100.320	99.776	99.497

TITLE = CASE 10 DATE 85/10/30 TIME 141401 3

LOOP	TIME	238 S=122	239 S=123	240 S=131
INITIAL		0.156	0.158	0.167
FINAL		0.154	0.157	0.164
		(%)	(%)	(%)
1	01 0	100.000	100.000	100.000
2	01 0	99.996	100.006	100.556
3	01 0	100.006	99.994	99.988
4	01 0	99.981	100.000	100.000
5	0130	99.968	99.956	99.994
6	11 0	100.013	100.025	99.976
7	1130	100.019	100.032	100.456
8	21 0	100.013	100.019	99.791
9	2130	100.013	100.013	99.785
10	31 0	100.013	100.013	98.071
11	3130	99.987	99.994	98.297
12	41 0	100.026	100.038	97.786
13	4130	100.037	100.051	96.889
14	51 0	100.014	100.057	95.620
15	5130	99.070	99.956	94.091
16	61 0	99.137	99.607	91.444
17	6130	97.676	98.904	91.175
18	71 0	96.315	97.807	89.126
19	7130	94.601	97.049	86.787
20	81 0	91.898	96.631	84.950
21	8130	93.195	96.000	84.515
22	91 0	93.035	95.978	87.303
23	9130	92.626	95.626	82.570
24	101 0	91.996	95.725	82.390
25	10130	91.137	95.056	83.259
26	111 0	90.741	94.382	81.508
27	11130	90.153	94.382	82.790
28	121 0	90.028	94.312	83.107
29	12130	89.725	94.027	82.449
30	131 0	89.342	94.167	84.083
31	13130	89.027	94.065	84.167
32	141 0	90.447	94.388	84.256
33	14130	90.817	94.750	84.489
34	151 0	91.495	95.176	84.469
35	15130	91.625	95.288	84.880
36	161 0	92.109	95.465	84.430
37	16130	92.530	95.700	85.398
38	171 0	93.144	95.757	85.726
39	17130	92.950	95.936	86.197
40	181 0	91.344	96.109	85.977
41	18130	93.469	96.257	86.682
42	191 0	93.776	96.295	87.531
43	19130	94.058	96.472	88.367
44	40119	99.563	99.519	96.220

3. 燃焼中の風速，輻射量の測定値

2A—0—排　ギル風速計測定結果

Case — 4

(min)　上段 mV　下段 m/sec　-(マイナス)は逆方向

系名	火源距離	位置番号	位置高さ	60秒前	30秒前	点火	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10	11	12	13	14	15	16	17	18	19	20
トンネル	40m	21	4.25	0	0	0	0	0	85	77	77	77	75	75	75	80	83	77	77	77	60	50	77	75	70	65	55	45	40	37	25
				0	0	0	0	0	140	123	123	125	126	126	126	134	134	123	123	123	134	134	123	126	118	103	0.92	076	067	062	042
		22	3.25	0	0	0	0	15	25	25	18	20	20	15	20	30	27	27	25	27	27	30	27	30	25	27	27	23	20	15	13
				0	0	0	0	026	044	044	031	035	035	026	035	052	047	047	044	047	0.47	052	047	052	044	0.47	047	043	035	026	023
		23	2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	-13	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	-023	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		24	1.25	0	0	0	0	-12	-20	-18	-15	-15	-15	-17	-17	-23	-30	-32	-30	-32	-32	-34	-34	-37	-32	-32	-32	-32	-28	-25	-18
				0	0	0	0	-021	-035	-032	-026	-025	-026	-030	-030	-040	-053	-056	-053	-055	-055	-060	-060	-065	-055	-055	-056	-056	-049	-044	-032
		25	0.5	0	0	0	0	0	0	0	0	0	0	0	0	-15	-28	-29	-32	-26	-29	-25	-33	-35	-24	-26	-31	-25	-22	-20	-12
				0	0	0	0	0	0	0	0	0	0	0	0	-025	-047	-048	-053	-043	-048	-043	-055	-058	-040	-043	-052	-042	-037	-033	-020
	140m	71	4.25	0	0	0	0	0	0	0	35	52	54	55	55	55	57	61	62	62	64	60	62	58	61	55	44	42	35	33	31
				0	0	0	0	0	0	0	059	087	091	095	092	092	055	102	104	104	108	101	104	097	102	0.94	074	071	064	064	052
		72	3.25	0	0	0	0	0	0	0	0	25	25	24	24	22	22	23	24	23	25	23	22	21	24	25	15	17	15	17	14
				0	0	0	0	0	0	0	0	044	044	042	042	033	038	040	042	040	044	040	038	037	042	044	025	030	031	030	024
		73	2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		74	1.25	0	0	0	0	0	0	0	0	0	0	0	0	-16	-20	-22	-21	-20	-23	-26	-23	-30	-27	-26	-30	-23	-24	-23	-20
				0	0	0	0	0	0	0	0	0	0	0	0	-023	-034	-038	-035	-034	-040	-045	-050	-052	-045	-0.45	-052	-048	-041	-040	-036
		75	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	-17	-19	-21	-20	-20	-19	-21	-20	-23	-18	-19	-20	-17	-15	-12
				0	0	0	0	0	0	0	0	0	0	0	0	0	-030	-033	-037	-035	-035	-033	-037	-035	-040	-0.31	-033	-035	-030	-026	-021
	260m	131	4.25	0	0	0	0	0	0	0	0	0	0	0	10	38	43	44	45	45	47	52	49	50	50	45	45	43	43	40	40
				0	0	0	0	0	0	0	0	0	0	0	018	057	075	077	081	084	082	091	085	085	083	0.79	081	0.75	075	070	070
		132	3.25	0	0	0	0	0	0	0	0	0	0	0	6	8	5	14	17	18	20	22	25	20	22	25	20	18	22	20	20
				0	0	0	0	0	0	0	0	0	0	0	0	014	009	024	029	031	034	033	034	034	033	0.43	034	031	033	034	034
		133	2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		134	1.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-12	-21	-24	-25	-23	-26	-32	-25	-34	-27	-28	-26	-25	-18
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	-021	-037	-042	-044	-043	-045	-055	-044	-060	-047	-049	-045	-044	-032
		135	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-13	-14	-23	-24	-29	-32	-31	-34	-33	-40	-33	-30	-24	-20
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	-023	-025	-041	-042	-051	-057	-055	-034	-055	-071	-058	-053	-042	-035
天井ダクト	40m	161	1.6																												
	-65m	151	1.8																												
地下ダクト	40m	171	0.65																												

8A—0—0 II　ギル風速計測定結果

Case — 11

(min)　上段 mV　下段 m/sec　-(マイナス)は逆方向

系名	火源距離	位置番号	位置高さ	60秒前	30秒前	点火	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10	11	12	13	14	15	16	17	18	19	20
トンネル	40m	21	4.25	0	0	0	0	23	32	35	38	39	42	43	43	41	39	34	42	44	42	45	48	46	46	40	37	33	20	24	21
				0	0	0	0	039	054	060	064	065	071	0.72	072	069	065	057	0.71	074	071	076	081	077	077	057	052	055	034	0.40	035
		22	3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-7	-8	-11	-13	-10
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-012	-014	-019	-022	-017
		23	2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		24	1.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-12	-12	-15	-10	-12	-18	-20	-20	-20	-24	-24	-20
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-021	-021	-026	-018	-021	-032	-035	-035	-035	-042	-042	-035
		25	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	140m	71	4.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-17	-10	-12
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-023	-0.17	-020
		72	3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-10	-15	-15	-10
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-017	-026	-025	-017
		73	2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-13
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-023
		74	1.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-10	-14	-5	-10	-12	-11
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-017	-024	-009	-017	-021	-019
		75	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	260m	131	4.25	-15	-10	-15	-10	-15	-6	0	-3	0	-5	-11	-10	0	-17	-16	-16	-15	-15	-20	-18	-27	-16	-29	-25	-28	-30	-35	-30
				-025	-018	026	-018	-025	-011	0	005	0	-009	-020	-018	0	-030	-028	-028	-026	-026	-035	-032	-047	-028	-035	-044	-049	-053	-061	-053
		132	3.25	-10	-10	-10	-6	-5	-10	-2	0	0	-2	-10	-9	-10	-13	-2	-20	-12	-16	-16	-20	-20	-15	-18	-15	-25	-20	-30	-28
				-017	-017	-017	-010	-009	-017	-003	0	0	-0.03	-017	-015	-017	-022	-003	-034	-021	-027	-024	-034	-034	-026	-031	-027	-044	-034	-051	-045
		133	2.25	-5	-7	-6	-5	-14	-6	-8	-8	-4	-4	-14	-10	-3	-2	-14	-22	-20	-23	-19	-15	-18	-26	-27	-33	-35	-33	-23	-32
				-003	-013	-011	-009	-025	-011	-014	-014	-007	-007	-025	-018	0.05	-004	-025	-039	-035	-041	-034	-027	-032	-047	-045	-059	-063	-059	-041	-057
		134	1.25	-3	-4	-11	-10	-3	-2	-5	-1	-2	-1	0	-14	-10	0	-20	-24	-25	-25	-20	-13	-8	-29	-26	-35	-27	-33	-25	-35
				-005	-007	-019	-018	-005	004	-003	-007	-004	-002	0	-025	-018	0	-035	-042	-044	-044	-035	-023	-014	-051	-043	-061	-047	-058	-044	-061
		135	0.5	-2	-3	-5	-9	-3	2	-4	-5	0	0	0	-11	-8	0	-17	-20	-24	-16	-16	-7	-10	-24	-21	-35	-21	-22	-20	-25
				-004	-005	-009	-016	-005	004	-007	-003	0	0	0	-019	-014	0	-030	-035	-042	-028	-028	-012	-018	-042	-037	-064	-037	-033	-035	-044
天井ダクト	40m	161	1.0																												
	-65m	181	1.0	122	133	120	124	130	124	125	125	133	125	125	130	125	133	130	124	123	120	123	129	116	118	116	120	123	125	123	120
				200	226	197	203	213	203	205	205	213	205	265	213	205	218	213	203	202	197	202	197	190	194	193	197	202	205	202	197
地下ダクト	40m	171	0.65																												

Case－12　　4 A－0－排　ギル風速計測定結果

(min)　上段 mV　下段 m/sec　－(マイナス)は逆方向

[illegible]	火源距離	位置番号	位置高さ	60秒前	30秒前	点火	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10	11	12	13	14	15	16	17	18	19	20
トンネル本通	40m	21	4.25m	0	0	0	0	0	50	55	53	58	55	54	55	60	62	64	62	60	55	70	61	64	62	54	50	40	33	30	27
				0	0	0	0	0	0.84	0.92	0.85	0.97	0.92	0.91	0.94	1.01	1.04	1.05	1.04	1.01	0.94	1.18	1.02	1.05	1.04	0.91	0.84	0.67	0.54	0.50	0.45
		22	3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.35	0	0	0	0	0	0
		23	2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		24	1.25	0	0	0	0	0	0	0	-13	-15	-14	-15	-15	-18	-17	-19	-22	-23	-21	-24	-22	-24	-22	-20	-20	-19	-15	-13	-10
				0	0	0	0	0	0	0	-0.23	-0.26	-0.25	-0.26	-0.26	-0.32	-0.30	-0.33	-0.39	-0.40	-0.35	-0.42	-0.33	-0.42	-0.39	-0.35	-0.35	-0.33	-0.26	-0.23	-0.15
		25	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-10	-19	-20	-24	-23	-24	-24	-20	-21	-17	-13	-13	-8
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-0.17	-0.32	-0.33	-0.40	-0.38	-0.40	-0.40	-0.33	-0.35	-0.28	-0.22	-0.22	-0.13
	140m	71	4.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		72	3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		73	2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-13	-15	-15	-15	-14	-14	-16	-14	-13	-12	-5	-5	-9
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-0.23	-0.27	-0.27	-0.27	-0.25	-0.25	-0.22	-0.25	-0.23	-0.21	-0.14	-0.09	-0.16
		74	1.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-7	-12	-10	-12	-11	-14	-10	-14	-12	-10	-10	-7	-5	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	-0.12	-0.21	-0.17	-0.21	-0.19	-0.24	-0.17	-0.24	-0.21	-0.17	-0.17	-0.12	-0.09	0
		75	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	260m	131	4.25	-20	-10	-12	-10	-14	-10	-14	-13	-20	-13	-14	-12	-10	-10	-15	-13	-11	-10	-10	-15	-15	-7	-17	-13	-25	-24	-20	-10
				-0.35	-0.15	-0.21	-0.15	-0.25	-0.15	-0.25	-0.23	-0.35	-0.23	-0.25	-0.21	-0.18	-0.18	-0.26	-0.23	-0.19	-0.18	-0.18	-0.26	-0.26	-0.12	-0.30	-0.23	-0.44	-0.42	-0.35	-0.18
		132	3.25	-6	-15	-10	-7	-5	-5	-7	-24	-15	-12	-12	-11	-10	-7	-15	-10	-9	-5	-10	-15	-13	-6	-21	-13	-34	-15	-20	-18
				-0.10	-0.26	-0.17	-0.12	-0.09	-0.10	-0.12	-0.41	-0.26	-0.21	-0.21	-0.19	-0.17	-0.12	-0.26	-0.17	-0.15	-0.09	-0.17	-0.26	-0.22	-0.10	-0.34	-0.22	-0.55	-0.31	-0.34	-0.31
		133	2.25	-27	-20	-15	-15	-12	-15	-25	-25	-20	-18	-17	-14	-11	-12	-25	-13	-25	-22	-19	-20	-25	-24	-26	-24	-22	-19	-26	-22
				-0.43	-0.35	-0.27	-0.27	-0.21	-0.21	-0.45	-0.45	-0.36	-0.32	-0.30	-0.25	-0.20	-0.21	-0.45	-0.23	-0.45	-0.39	-0.34	-0.35	-0.45	-0.43	-0.47	-0.43	-0.39	-0.34	-0.47	-0.39
		134	1.25	-32	-34	-23	-25	-12	-30	-25	-20	-23	-34	-35	-22	-40	-19	-23	-24	-39	-35	-28	-30	-35	-32	-16	-28	-15	-25	-25	-28
				-0.55	-0.60	-0.40	-0.44	-0.21	-0.53	-0.44	-0.35	-0.40	-0.60	-0.67	-0.39	-0.70	-0.33	-0.40	-0.42	-0.65	-0.61	-0.49	-0.53	-0.62	-0.55	-0.28	-0.49	-0.26	-0.44	-0.44	-0.49
		135	0.5	-32	-30	-25	-28	-30	-20	-20	-18	-10	-18	-23	-23	-27	-21	-20	-27	-41	-23	-33	-23	-30	-23	-17	-25	-8	-12	-21	-23
				-0.57	-0.53	-0.45	-0.50	-0.53	-0.35	-0.35	-0.32	-0.18	-0.32	-0.41	-0.41	-0.48	-0.37	-0.35	-0.45	-0.73	-0.41	-0.58	-0.41	-0.53	-0.41	-0.30	-0.45	-0.14	-0.21	-0.37	-0.41
天井ダクト	40m	161	1.0																												
	-65m	181	1.0	120	118	120	120	120	120	113	120	115	125	115	123	127	127	130	133	130	130	127	125	125	127	125	130	135	135	135	135
				197	194	197	197	197	197	185	197	189	205	189	202	208	208	213	218	213	213	208	205	205	208	205	213	221	221	221	221
地下ダクト	40m	171	0.65																												

Case－13　　8 A－0－排　ギル風速計測定結果

(min)　上段 mV　下段 m/sec　－(マイナス)は逆方向

[illegible]	火源距離	位置番号	位置高さ	60秒前	30秒前	点火	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10	11	12	13	14	15	16	17	18	19	20
トンネル本通	40m	21	4.25m	0	0	0	0	0	80	80	75	73	76	74	73	77	82	80	82	83	86	90	82	80	74	68	65	50	45	37	36
				0	0	0	0	0	1.34	1.34	1.26	1.23	1.28	1.24	1.23	1.29	1.34	1.34	1.35	1.39	1.44	1.51	1.35	1.34	1.24	1.14	1.09	0.84	0.77	0.62	0.60
		22	3.25	0	0	0	0	5	22	17	17	18	14	10	30	33	35	40	37	35	42	37	37	36	38	32	26	34	28	20	17
				0	0	0	0	0.09	0.38	0.30	0.30	0.31	0.24	0.17	0.52	0.57	0.61	0.70	0.64	0.66	0.73	0.64	0.64	0.63	0.65	0.55	0.45	0.59	0.49	0.35	0.30
		23	2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		24	1.25	0	0	0	0	-25	-23	-25	-23	-23	-25	-30	-32	-38	-37	-37	-37	-36	-35	-40	-40	-38	-35	-37	-35	-34	-25	-27	-23
				0	0	0	0	-0.44	-0.40	-0.44	-0.40	-0.40	-0.44	-0.53	-0.56	-0.67	-0.65	-0.65	-0.65	-0.63	-0.63	-0.70	-0.70	-0.67	-0.61	-0.65	-0.61	-0.60	-0.44	-0.47	-0.40
		25	0.5	0	0	0	0	0	0	0	0	0	0	-14	-23	-30	-31	-38	-34	-35	-37	-37	-39	-35	-35	-35	-31	-28	-24	-25	-20
				0	0	0	0	0	0	0	0	0	0	-0.23	-0.38	-0.50	-0.52	-0.53	-0.57	-0.58	-0.62	-0.62	-0.65	-0.58	-0.60	-0.60	-0.52	-0.47	-0.40	-0.42	-0.33
	140m	71	4.25	0	0	0	0	0	0	0	0	5	34	35	38	33	39	45	55	58	60	60	56	55	56	54	54	55	51	42	29
				0	0	0	0	0	0	0	0	0.15	0.57	0.59	0.54	0.64	0.65	0.81	0.92	0.97	1.01	1.01	0.94	0.92	0.94	0.91	0.91	0.92	0.86	0.71	0.49
		72	3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		73	2.25	0	0	0	0	0	0	0	0	0	0	0	0	-8	-16	-18	-24	-21	-25	-27	-24	-25	-24	-21	-21	-20	-18	-16	-10
				0	0	0	0	0	0	0	0	0	0	0	0	-0.14	-0.28	-0.32	-0.42	-0.37	-0.44	-0.45	-0.42	-0.44	-0.42	-0.37	-0.37	-0.35	-0.32	-0.28	-0.18
		74	1.25	0	0	0	0	0	0	0	0	0	-15	-18	-17	-17	-22	-24	-24	-22	-27	-25	-25	-25	-25	-25	-23	-21	-18	-16	-12
				0	0	0	0	0	0	0	0	0	-0.26	-0.31	-0.29	-0.29	-0.38	-0.41	-0.41	-0.38	-0.46	-0.43	-0.43	-0.43	-0.43	-0.43	-0.40	-0.36	-0.31	-0.28	-0.21
		75	0.5	0	0	0	0	0	0	0	0	-8	-14	-15	-12	-11	-16	-22	-16	-22	-20	-19	-23	-24	-20	-21	-18	-20	-21	-18	-10
				0	0	0	0	0	0	0	0	-0.14	-0.24	-0.25	-0.21	-0.19	-0.28	-0.38	-0.28	-0.38	-0.35	-0.33	-0.40	-0.42	-0.35	-0.37	-0.31	-0.35	-0.37	-0.31	-0.17
	260m	131	4.25	-20	-15	-10	-5	0	0	0	0	0	0	0	0	0	0	-18	-23	-10	-9	-12	-10	-23	-22	-17	-20	-20	-22	-18	-24
				-0.35	-0.26	-0.18	-0.09	0	0	0	0	0	0	0	0	0	0	-0.32	-0.40	-0.18	-0.16	-0.21	-0.18	-0.40	-0.39	-0.30	-0.35	-0.35	-0.39	-0.32	-0.42
		132	3.25	-20	-12	-28	-10	-9	-5	-5	-2	0	0	-2	-4	-14	-11	-26	-17	-9	-13	-10	-13	-15	-20	-15	-19	-14	-24	-22	-17
				-0.34	-0.21	-0.34	-0.17	-0.15	-0.09	-0.09	-0.03	0	0	-0.03	-0.07	-0.24	-0.19	-0.44	-0.29	-0.15	-0.22	-0.17	-0.22	-0.26	-0.34	-0.26	-0.32	-0.24	-0.41	-0.38	-0.29
		133	2.25	-13	-18	-9	-10	-10	-12	-5	-19	-9	-14	-18	-17	-13	-10	-15	-24	-15	-18	-14	-27	-24	-20	-23	-29	-22	-18	-17	-26
				-0.23	-0.32	-0.16	-0.18	-0.18	-0.21	-0.09	-0.31	-0.16	-0.25	-0.32	-0.30	-0.23	-0.18	-0.27	-0.43	-0.27	-0.32	-0.25	-0.45	-0.43	-0.36	-0.41	-0.36	-0.40	-0.32	-0.30	-0.47
		134	1.25	-15	-22	-15	-15	-12	-26	-11	-22	-21	-27	-23	-23	-21	-19	-20	-23	-20	-18	-19	-20	-23	-15	-29	-25	-24	-20	-20	-17
				-0.25	-0.33	-0.26	-0.25	-0.21	-0.45	-0.19	-0.39	-0.37	-0.47	-0.40	-0.40	-0.37	-0.33	-0.35	-0.40	-0.35	-0.32	-0.33	-0.35	-0.40	-0.26	-0.51	-0.44	-0.42	-0.35	-0.35	-0.30
		135	0.5	-18	-15	-14	-18	-20	-25	-23	-16	-34	-27	-24	-20	-23	-12	-8	-17	-15	-14	-17	-21	-16	-14	-22	-23	-18	-18	-23	-10
				-0.32	-0.27	-0.25	-0.32	-0.35	-0.44	-0.41	-0.28	-0.60	-0.48	-0.42	-0.35	-0.41	-0.21	-0.14	-0.30	-0.27	-0.25	-0.30	-0.37	-0.28	-0.25	-0.39	-0.41	-0.32	-0.32	-0.41	-0.18
天井ダクト	40m	161	1.0																												
	-65m	181	1.0	120	120	120	120	120	125	125	130	125	130	135	130	130	130	125	120	120	120	120	125	120	125	125	125	130	135	135	135
				197	197	197	197	197	205	205	213	205	213	221	213	213	213	205	197	197	197	197	205	197	205	205	205	213	221	221	221
地下ダクト	40m	171	0.65																												

Case－14

2A－1－排　ギル風速計測定結果

(min)　上段 mV　下段 m/sec　－(マイナス)は逆方向

区分	天井距離	位置番号	位置高さ	60秒前	30秒前	点火	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10	11	12	13	14	15	16	17	18	19	20
トンネル坑道	40m	21	4.25m	43	45	50	45	75	60	60	62	63	62	65	70	68	65	65	72	65	65	67	72	68	62	65	63	65	63	55	50
				0.72	0.76	0.84	0.76	1.26	1.01	1.01	1.04	1.05	1.04	1.09	1.15	1.14	1.09	1.09	1.21	1.11	1.09	1.13	1.21	1.14	1.04	1.11	1.06	1.09	1.05	0.92	0.84
		22	3.25	53	52	50	70	54	55	50	52	45	47	52	48	58	52	53	46	58	56	52	55	55	57	50	54	57	50	55	50
				0.92	0.90	0.87	1.22	0.94	0.95	0.87	0.90	0.78	0.82	0.90	0.84	1.01	0.90	0.92	0.80	1.01	0.97	0.90	0.95	0.95	0.93	0.87	0.94	0.90	0.87	0.95	0.87
		23	2.25	55	55	55	58	56	60	55	60	60	60	52	52	52	55	57	52	55	58	55	52	54	50	60	58	50	58	61	54
				0.97	0.97	0.97	1.02	0.93	1.05	0.97	1.05	1.06	1.06	0.92	0.92	0.92	0.97	1.00	0.92	0.97	1.02	0.97	0.92	0.95	0.88	1.06	1.02	0.88	1.02	1.07	0.95
		24	1.25	60	64	55	55	69	67	65	66	72	70	65	70	68	68	67	65	68	73	66	72	64	73	76	68	50	58	72	62
				1.05	1.12	0.93	0.95	1.21	1.17	1.16	1.16	1.26	1.23	1.14	1.23	1.19	1.19	1.17	1.14	1.19	1.28	1.16	1.26	1.12	1.28	1.33	1.19	0.88	1.02	1.26	1.09
		25	0.5	65	68	60	64	68	77	70	73	76	76	75	75	76	80	82	78	78	80	80	82	81	83	76	83	75	60	76	63
				1.10	1.14	1.00	1.07	1.14	1.29	1.17	1.22	1.27	1.27	1.25	1.25	1.27	1.34	1.37	1.30	1.30	1.34	1.34	1.37	1.35	1.47	1.27	1.39	1.25	1.00	1.27	1.05
	140m	71	4.25	35	40	40	40	39	35	49	60	62	55	50	50	45	50	52	52	47	54	47	49	48	52	50	52	45	48	45	38
				0.59	0.67	0.67	0.67	0.66	0.59	0.82	1.01	1.04	0.94	0.84	0.84	0.77	0.84	0.87	0.87	0.79	0.91	0.79	0.82	0.81	0.87	0.84	0.87	0.77	0.81	0.76	0.64
		72	3.25	49	47	44	45	44	45	53	56	54	53	51	48	55	58	52	48	55	59	54	54	55	60	59	58	55	55	50	52
				0.85	0.82	0.77	0.78	0.77	0.78	1.10	0.97	0.94	0.92	0.89	0.84	0.95	1.01	0.90	0.84	0.95	1.03	0.94	0.94	0.96	1.04	1.03	1.01	0.95	1.01	0.87	0.90
		73	2.25	48	52	52	47	50	52	52	53	52	53	60	55	54	53	55	55	53	60	65	55	60	61	57	62	65	55	55	52
				0.85	0.92	0.92	0.83	0.89	0.92	0.92	0.94	0.92	0.94	1.06	0.97	0.95	0.94	0.93	0.97	0.94	1.06	1.15	0.97	1.05	1.08	1.01	1.10	1.15	0.97	0.97	0.92
		74	1.25	48	60	50	50	55	53	45	46	58	55	60	62	63	68	73	65	62	55	54	60	50	58	50	60	67	55	55	60
				0.83	1.03	0.85	0.85	0.95	0.91	0.77	0.79	1.00	0.95	1.03	1.07	1.05	1.17	1.26	1.14	1.07	0.95	0.93	1.03	0.85	1.00	0.85	1.03	1.15	0.95	0.95	1.03
		75	0.5	52	48	52	49	50	46	40	42	51	40	52	58	55	60	64	62	47	48	52	55	45	50	43	58	48	45	45	45
				0.90	0.84	0.90	0.85	0.87	0.80	0.70	0.73	0.89	0.70	0.90	1.01	0.95	1.04	1.11	1.08	0.82	0.84	0.90	0.95	0.78	0.87	0.75	1.01	0.84	0.78	0.78	0.80
	260m	131	4.25	37	35	30	27	34	33	35	27	32	52	55	52	53	50	48	47	45	50	52	55	53	52	50	48	47	45	45	40
				0.65	0.61	0.53	0.47	0.60	0.58	0.61	0.47	0.56	0.91	0.95	0.91	0.93	0.88	0.84	0.82	0.79	0.83	0.91	0.95	0.93	0.91	0.88	0.84	0.82	0.79	0.79	0.70
		132	3.25	40	35	37	37	35	35	40	36	40	37	42	44	45	50	48	42	45	45	50	47	52	50	52	50	48	45	51	45
				0.68	0.60	0.63	0.63	0.60	0.60	0.68	0.62	0.68	0.63	0.72	0.75	0.79	0.85	0.82	0.72	0.77	0.77	0.85	0.81	0.89	0.85	0.89	0.85	0.82	0.77	0.87	0.79
		133	2.25	40	37	37	35	40	40	39	40	38	37	40	37	40	41	48	50	48	49	45	42	47	44	40	42	41	42	42	44
				0.72	0.65	0.65	0.64	0.72	0.72	0.70	0.72	0.68	0.65	0.72	0.65	0.72	0.73	0.85	0.90	0.85	0.88	0.81	0.75	0.84	0.79	0.72	0.75	0.73	0.75	0.75	0.73
		134	1.25	34	38	38	36	40	40	37	43	37	35	34	30	32	35	48	44	34	35	38	35	39	37	33	35	35	34	35	37
				0.60	0.67	0.67	0.63	0.70	0.70	0.65	0.75	0.65	0.63	0.60	0.53	0.56	0.63	0.84	0.77	0.60	0.61	0.67	0.63	0.68	0.65	0.55	0.61	0.53	0.60	0.63	0.65
		135	0.5	32	34	36	33	34	37	32	42	38	34	30	27	24	27	38	34	31	33	31	35	35	37	37	37	37	30	33	35
				0.57	0.60	0.64	0.58	0.60	0.65	0.57	0.74	0.67	0.60	0.53	0.48	0.42	0.48	0.67	0.60	0.55	0.58	0.55	0.62	0.62	0.65	0.65	0.65	0.65	0.53	0.58	0.62
天井ダクト	40m	161	1.0	—	—																										
	-65m	181	1.0	122	120	115	115	120	120	120	120	120	125	125	120	120	125	120	120	125	125	125	120	120	125	125	120	120	120	125	125
				2.00	1.97	1.89	1.89	1.97	1.97	1.97	1.97	1.97	2.05	2.05	1.97	1.97	2.05	1.97	1.97	2.05	2.05	2.05	1.97	1.97	2.05	2.05	1.97	1.97	1.97	2.05	2.05
地下ダクト	40m	171	0.65	—	—																										

Case－15

4A－1－排　ギル風速計測定結果

(min)　上段 mV　下段 m/sec　－(マイナス)は逆方向

区分	天井距離	位置番号	位置高さ	60秒前	30秒前	点火	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10	11	12	13	14	15	16	17	18	19	20
トンネル坑道	40m	21	4.25m	48	45	44	52	52	80	82	75	80	75	80	73	75	74	73	70	75	75	72	73	75	70	68	65	55	55	52	50
				0.81	0.76	0.74	0.87	0.87	1.34	1.33	1.25	1.34	1.26	1.34	1.23	1.25	1.24	1.23	1.18	1.26	1.26	1.21	1.23	1.26	1.18	1.14	1.09	0.92	0.92	0.87	0.84
		22	3.25	50	53	60	65	53	60	52	47	45	48	53	50	52	53	44	48	55	50	55	55	60	55	50	55	50	52	50	54
				0.87	0.92	1.04	1.13	0.92	1.04	0.90	0.82	0.78	0.84	0.92	0.87	0.90	0.92	0.77	0.84	0.96	0.87	0.95	0.97	1.04	0.95	0.87	0.95	0.87	0.90	0.87	0.94
		23	2.25	55	57	59	56	53	57	53	58	57	52	58	53	52	55	50	54	55	52	51	50	54	50	55	53	52	57	62	57
				0.93	1.00	1.04	0.93	0.93	1.00	0.93	1.02	1.00	0.92	1.02	0.93	0.92	0.97	0.88	0.95	0.97	0.92	0.90	0.88	0.95	0.88	0.99	0.93	0.92	1.00	1.09	1.00
		24	1.25	63	64	68	53	67	70	70	76	70	72	69	68	68	65	70	72	73	77	74	68	73	75	73	68	68	71	65	67
				1.10	1.12	1.19	0.93	1.17	1.23	1.23	1.23	1.23	1.26	1.21	1.19	1.19	1.14	1.23	1.26	1.28	1.35	1.30	1.19	1.28	1.31	1.28	1.19	1.19	1.24	1.14	1.17
		25	0.5	58	60	65	52	72	76	79	78	79	75	75	77	72	76	78	71	76	75	84	82	80	77	80	80	83	78	70	60
				0.97	1.00	1.09	0.87	1.20	1.26	1.32	1.30	1.32	1.25	1.25	1.29	1.20	1.27	1.30	1.19	1.27	1.25	1.40	1.37	1.34	1.29	1.34	1.34	1.39	1.30	1.17	1.00
	140m	71	4.25	35	37	34	37	38	38	67	67	68	62	57	57	55	50	54	52	58	57	57	57	55	52	51	50	42	43	43	35
				0.59	0.62	0.57	0.62	0.64	0.64	1.13	1.13	1.14	1.04	0.95	0.96	0.94	0.84	0.91	0.87	0.97	0.95	0.95	0.95	0.94	0.87	0.85	0.84	0.71	0.72	0.72	0.60
		72	3.25	42	49	50	48	44	58	60	57	57	52	50	50	43	55	52	52	53	55	57	59	52	49	54	51	48	55	53	52
				0.73	0.85	0.87	0.84	0.77	1.01	1.04	0.99	0.99	0.90	0.87	0.87	0.75	0.95	0.90	0.90	0.92	0.97	0.99	1.03	0.90	0.85	0.94	0.89	0.84	0.95	0.92	0.90
		73	2.25	52	58	50	61	54	53	52	56	58	55	55	55	54	57	52	58	58	55	70	65	61	63	55	59	57	52	57	52
				0.92	1.03	0.89	1.08	0.95	0.94	0.92	0.99	1.03	0.97	0.97	0.99	0.95	1.01	0.92	1.03	1.03	0.97	1.24	1.15	1.08	1.12	0.97	1.04	1.01	0.92	1.01	0.92
		74	1.25	60	48	52	55	53	45	49	50	52	54	58	59	59	57	53	55	55	53	58	54	58	52	56	59	58	60	46	52
				1.03	0.83	0.89	0.95	0.91	0.77	0.84	0.85	0.89	0.93	1.00	1.01	1.01	0.98	0.91	0.95	0.95	0.91	1.00	0.93	1.00	0.89	0.95	1.01	1.00	1.03	0.79	0.89
		75	0.5	55	50	47	55	52	50	45	40	40	47	45	46	45	50	46	50	48	50	51	46	55	50	58	52	51	55	52	54
				0.95	0.87	0.82	0.95	0.90	0.87	0.78	0.70	0.70	0.82	0.78	0.80	0.78	0.87	0.80	0.87	0.84	0.87	0.89	0.80	0.95	0.87	1.01	0.90	0.89	0.97	0.90	1.03
	260m	131	4.25	30	27	32	33	33	32	34	32	44	49	55	52	55	50	47	55	51	52	54	54	50	47	42	49	45	47	43	45
				0.53	0.47	0.55	0.58	0.58	0.55	0.60	0.56	0.77	0.85	0.95	0.91	0.95	0.88	0.82	0.96	0.89	0.91	0.95	0.95	0.88	0.82	0.74	0.86	0.79	0.82	0.75	0.81
		132	3.25	44	38	40	43	39	40	38	42	38	40	45	40	49	52	47	48	51	54	55	54	51	52	46	45	45	45	45	46
				0.75	0.65	0.68	0.74	0.67	0.68	0.65	0.72	0.65	0.58	0.79	0.68	0.84	0.89	0.80	0.82	0.87	0.92	0.94	0.92	0.87	0.89	0.79	0.77	0.77	0.77	0.77	0.79
		133	2.25	37	38	38	44	42	36	37	40	38	35	35	40	36	40	39	42	47	50	43	42	52	47	45	43	36	45	37	38
				0.65	0.65	0.68	0.79	0.75	0.64	0.65	0.72	0.68	0.64	0.64	0.72	0.64	0.72	0.70	0.75	0.84	0.90	0.77	0.75	0.93	0.84	0.81	0.77	0.64	0.81	0.65	0.68
		134	1.25	44	38	-38	45	43	38	35	40	35	29	27	32	31	30	32	33	38	38	38	37	32	32	38	30	34	32	35	30
				0.77	0.67	0.67	0.79	0.75	0.67	0.63	0.70	0.61	0.51	0.47	0.56	0.54	0.53	0.55	0.58	0.67	0.67	0.67	0.65	0.55	0.56	0.67	0.53	0.60	0.56	0.61	0.53
		135	0.5	42	38	42	48	42	39	36	37	37	27	28	25	25	25	25	26	24	25	22	25	23	18	20	24	25	24	32	24
				0.74	0.67	0.74	0.65	0.74	0.69	0.64	0.65	0.65	0.48	0.50	0.44	0.45	0.44	0.44	0.45	0.42	0.44	0.39	0.44	0.41	0.32	0.35	0.42	0.44	0.42	0.57	0.42
天井ダクト	40m	161	1.0																												
	-65m	181	1.0	120	117	120	120	120	120	120	125	125	125	125	125	120	125	125	125	120	120	115	120	125	120	125	125	125	125	125	125
				1.97	1.92	2.00	2.00	2.00	2.00	2.00	2.09	2.09	2.09	2.09	2.09	2.00	2.09	2.09	2.09	2.00	2.00	1.92	2.00	2.09	2.00	2.09	2.09	2.09	2.09	2.09	2.09
地下ダクト	40m	171	0.65	—	—																										

Case－16　　8 A－1－排　ギル風速計測定結果

(min)　上段 mV　下段 m/sec　-(マイナス)は逆方向

系統	火源距離	位置番号	位置高さ	60秒前	30秒前	点火	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10	11	12	13	14	15	16	17	18	19	20
トンネル本道	40	21	4.25	40	47	50	83	93	82	80	85	83	83	85	78	77	82	83	83	84	85	75	74	72	70	62	55	52	50	44	45
				067	0.79	084	134	151	135	1.33	1.44	134	1.34	143	131	129	133	143	1.39	141	143	126	124	1.21	118	104	092	087	081	074	076
		22	3.25	55	60	60	68	60	55	57	45	50	56	50	50	50	52	50	52	45	53	52	43	53	60	55	55	56	62	54	45
				095	104	104	118	104	097	099	078	087	097	087	087	087	090	087	093	084	092	090	084	092	104	093	093	093	108	094	080
		23	2.25	57	58	57	60	62	55	58	60	59	61	57	55	62	58	60	65	64	65	63	57	64	61	66	55	62	62	63	62
				100	102	100	106	109	097	102	106	104	107	100	099	109	102	106	1.14	113	114	111	100	113	107	116	097	109	109	111	109
		24	1.25	55	65	50	67	73	74	75	75	73	75	75	80	80	76	78	78	75	77	76	85	77	75	75	78	80	85	80	73
				093	114	085	117	1.23	130	131	131	123	131	131	1.40	140	133	137	1.37	131	1.35	133	149	135	131	131	137	140	149	140	123
		25	0.5	63	64	58	50	61	84	78	80	85	75	83	82	85	70	85	92	85	92	82	65	95	95	90	95	90	84	80	85
				105	107	0.97	054	102	140	130	134	1.42	125	1.47	1.37	1.42	117	142	1.34	142	154	137	142	159	159	150	159	150	140	140	142
	140	71	4.25	35	37	37	35	38	45	40	82	75	75	73	65	70	67	65	66	72	75	74	72	72	69	64	59	61	52	49	30
				060	062	062	059	064	076	067	138	126	126	123	111	118	113	114	111	121	126	124	121	121	116	108	093	102	087	082	050
		72	3.25	45	50	43	55	50	55	62	63	62	66	59	63	60	60	61	62	63	64	57	60	57	56	67	62	50	60	54	50
				0.78	087	075	0.95	087	097	108	110	108	1.15	103	110	104	104	106	105	110	111	093	104	093	097	117	108	104	104	094	087
		73	2.25	52	52	54	58	55	58	50	57	59	67	60	67	55	58	60	59	65	62	60	53	58	63	62	62	68	64	61	65
				092	092	095	103	097	103	089	101	104	119	105	119	097	103	106	104	115	110	105	094	1.03	112	110	110	120	113	108	115
		74	1.25	52	51	53	58	59	43	45	51	59	55	55	57	70	55	61	59	65	58	47	53	52	51	57	57	59	64	73	65
				089	088	0.91	091	101	074	077	083	101	095	095	093	120	095	105	101	111	100	081	091	089	088	098	098	101	110	126	112
		75	0.5	55	50	53	50	55	52	43	38	37	44	42	41	42	55	42	43	40	40	43	45	41	42	52	57	50	60	65	63
				095	087	092	087	0.95	090	075	066	064	077	073	071	0.73	055	073	075	070	070	0.75	078	070	073	090	098	087	104	115	110
	260	131	4.25	37	30	37	35	35	30	35	25	55	63	68	64	65	62	58	61	62	60	60	62	65	63	53	57	60	55	53	53
				065	0.53	065	0.61	061	053	061	0.44	095	1.10	1.19	1.12	114	109	102	1.07	109	105	1.05	109	114	110	093	100	105	095	093	093
		132	3.25	38	35	39	42	45	38	43	40	42	47	53	55	62	53	54	55	53	60	55	55	65	56	65	53	50	50	50	49
				065	0.62	067	0.72	077	065	074	069	0.72	080	091	095	105	091	092	095	091	103	095	095	111	0.95	1.13	091	085	086	085	084
		133	2.25	40	38	41	40	43	42	43	40	38	41	47	45	47	45	45	44	47	50	45	51	45	45	45	43	44	37	35	35
				072	065	074	0.72	0.77	0.75	077	072	065	0.74	084	085	084	081	081	079	084	090	082	091	082	082	081	0.77	079	0.65	063	064
		134	1.25	45	40	40	50	45	45	41	40	40	40	30	28	31	31	33	25	18	18	18	17	18	26	25	25	33	43	44	40
				079	0.70	0.70	058	051	051	072	0.70	0.70	070	053	049	054	054	055	044	032	032	032	030	032	045	044	044	058	075	077	070
		135	0.5	43	45	42	50	38	47	42	44	38	34	28	27	22	17	20	20	22	17	12	6	3	10	11	8	14	41	45	43
				076	080	074	089	067	083	0.74	078	067	060	050	048	039	030	035	035	033	030	021	011	005	018	019	014	025	073	080	087
天井ダクト	40	161	1.0																												
	-65	181	1.0	120	115	115	120	120	115	115	120	125	120	120	120	125	120	125	125	120	125	125	125	125	120	120	120	120	120	125	125
				197	189	189	197	197	189	189	197	205	197	197	197	205	197	205	205	197	205	205	205	205	197	197	197	197	197	205	205
地下ダクト	40	171	0.65																												

Case－24　　8 A－0－送 I　ギル風速計測定結果

(min)　上段 mV　下段 m/sec　-(マイナス)は逆方向

系統	火源距離	位置番号	位置高さ	60秒前	30秒前	点火	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10	11	12	13	14	15	16	17	18	19	20
トンネル本道	40	21	4.25	0	0	0	0	0	2	70	70	63	62	60	52	60	62	67	65	65	60	65	65	62	60	57	45	37	30	20	20
				0	0	0	0	0	003	1.18	1.18	106	1.04	1.01	087	101	104	113	109	109	101	105	103	104	101	095	081	062	050	034	034
		22	3.25	0	0	0	0	18	17	18	15	13	10	2	8	15	10	17	18	18	15	13	20	17	17	12	12	5	5	0	5
				0	0	0	0	031	030	031	026	023	0.17	0.03	014	026	017	030	031	031	026	023	035	030	030	021	021	009	009	0	009
		23	2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	-10	-15	-12	-14	-15	-15	-13	-12	-11	-12	-10	-3	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	-018	-026	-021	-025	-026	-026	-023	-021	-020	-021	-018	-005	0	0	0
		24	1.25	0	0	0	0	-5	0	0	0	0	0	0	-1	-15	-26	-30	-30	-30	-26	-28	-26	-27	-27	-30	-30	-25	-25	-20	-26
				0	0	0	0	-003	0	0	0	0	0	0	-002	-026	-045	-053	-053	-053	-0.45	-0.49	-045	-0.47	-0.47	-053	-053	-044	-044	-035	-0.45
		25	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	140	71	4.25	5	0	0	3	10	2	0	2	2	16	20	20	8	21	24	15	24	13	20	4	12	12	10	9	16	14	8	18
				008	0	0	005	017	003	0	0.03	0.03	0.27	0.34	034	013	035	0.40	025	0.40	0.22	0.34	0.07	020	020	017	015	0.27	024	0.13	030
		72	3.25	5	5	5	0	1	0	5	5	25	23	15	13	15	22	20	20	23	20	22	15	20	7	8	10	17	14	13	11
				009	0.03	0.09	0	002	6	0.09	0.09	0.44	040	026	023	026	038	035	0.35	0.40	035	038	026	035	0.12	014	0.17	030	024	023	019
		73	2.25	5	7	10	14	10	10	12	9	13	11	30	16	24	14	25	19	24	15	10	17	19	28	17	28	20	17	12	15
				009	012	018	0.25	018	018	021	016	023	019	0.53	028	0.42	025	044	034	0.42	0.27	0.18	030	034	050	030	050	035	030	021	027
		74	1.25	10	16	24	30	26	32	23	30	14	17	20	30	25	25	38	27	23	26	26	20	30	27	30	30	10	25	32	20
				017	028	041	052	045	055	040	052	024	029	034	052	043	043	055	0.45	040	045	045	034	052	046	052	0.52	0.17	0.43	055	034
		75	6.5	15	8	8	15	35	20	32	35	25	20	35	20	10	20	32	20	35	12	25	5	30	35	15	0	5	5	10	5
				026	014	014	026	061	035	056	061	044	035	061	035	017	035	056	035	063	021	044	009	052	061	026	0	0.09	009	017	009
	260	131	4.25	40	25	25	48	40	35	42	45	45	44	45	37	40	38	45	30	48	42	40	38	40	40	45	45	35	40	35	45
				0.70	6.44	0.44	084	070	0.61	0.74	081	0.79	0.77	079	065	070	057	079	053	084	0.74	070	067	0.70	0.79	078	078	061	070	0.61	0.78
		132	3.25	43	45	45	50	45	45	50	45	45	50	45	50	45	45	50	55	50	45	50	50	50	50	50	40	50	45	50	40
				074	0.77	0.77	085	0.77	0.77	0.85	0.77	0.77	086	0.77	086	0.77	0.77	085	094	086	0.77	086	0.85	0.85	085	085	068	085	0.77	085	068
		133	2.25	43	50	50	50	55	50	60	60	60	55	50	50	55	55	55	60	60	60	55	55	55	50	55	55	55	55	55	55
				0.77	090	090	0.90	093	0.90	1.07	1.07	1.07	093	090	090	0.95	093	093	1.07	1.07	107	093	0.93	0.93	090	095	093	0.93	093	093	0.93
		134	1.25	45	40	52	50	55	43	57	50	60	65	50	47	55	55	55	50	60	53	50	50	50	50	50	45	50	50	53	50
				084	085	091	088	0.95	0.75	1.00	0.88	1.05	1.14	0.88	0.82	0.95	095	0.95	088	1.05	1.02	088	085	088	088	088	0.79	088	088	093	0.88
		135	0.5	57	60	65	50	55	50	60	65	55	55	65	60	60	65	55	55	60	55	60	55	50	55	55	45	45	45	50	55
				1.01	1.05	1.15	0.89	0.97	0.89	1.06	1.15	0.97	0.97	1.15	1.06	1.06	1.15	0.97	0.97	1.06	0.97	1.05	0.97	0.89	0.97	0.97	0.80	0.80	0.80	0.89	0.97
天井ダクト	40	161	1.0	235	230	230	235	230	230	235	240	230	235	230	235	235	235	235	235	230	235	230	235	235	235	235	235	235	235	235	235
				385	377	3.77	385	377	377	385	394	377	385	377	385	385	385	385	385	377	385	377	385	385	385	385	385	385	385	385	385
	-65	181	1.0																												
地下ダクト	40	171	0.65																												

Case — 25

8 A — 0 —送Ⅱ　ギル風速計測定結果

(min)　上段 mV　下段 m/sec　-(マイナス)は逆方向

系統	火源距離	位置番号	位置高さ	60秒前	30秒前	点火	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10	11	12	13	14	15	16	17	18	19	20
トンネル本道	40m	21	4.25m	0	0	0	0	70	60	55	58	60	50	53	50	60	57	52	60	62	58	57	57	55	45	40	32	25	18	5	0
				0	0	0	0	118	101	097	097	101	084	083	101	1.01	055	087	101	1.01	097	055	055	092	076	057	054	042	030	008	0
		22	3.25	5	5	5	30	30	25	22	24	20	22	16	20	15	17	32	23	25	28	30	20	20	20	27	23	10	0	0	0
				009	009	009	052	052	044	033	042	035	038	028	035	026	030	056	0.40	044	049	052	035	035	035	047	040	017	0	0	0
		23	2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-3	-8	0	-4	-6	-9	-5	0	0	0	0	-9
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-005	-014	0	-007	-011	-016	-009	0	0	0	0	-016
		24	1.25	0	0	0	0	0	0	0	0	0	0	0	0	0	-10	-15	-28	-21	-25	-21	-20	-20	-16	-19	-24	-13	-25	-35	-29
				0	0	0	0	0	0	0	0	0	0	0	0	0	-018	-026	-043	-037	-044	-037	-035	-035	-028	-033	-042	-023	-044	-061	-051
		25	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	140m	71	4.25	5	0	7	12	3	14	3	5	2	20	23	15	28	32	8	14	33	20	20	17	20	22	22	21	12	15	0	0
				008	0	012	020	005	024	005	008	003	034	039	025	047	054	013	024	055	034	034	029	034	037	037	035	020	025	0	0
		72	3.25	5	0	8	15	10	8	16	17	27	34	35	33	27	29	25	28	24	30	30	27	26	25	24	20	18	7	0	0
				009	0	014	026	017	014	028	030	047	059	061	057	047	050	044	049	042	052	052	047	045	044	042	035	031	012	0	0
		73	2.25	13	12	18	12	16	10	24	20	30	34	30	33	27	30	38	37	31	35	38	38	30	31	27	34	20	26	0	0
				023	021	032	021	028	018	042	035	053	060	053	058	048	053	067	065	055	062	067	067	053	037	043	060	035	045	0	0
		74	1.25	10	12	25	25	17	16	17	35	30	51	26	32	27	35	50	30	40	50	40	35	33	20	33	45	30	3	0	0
				017	021	043	043	029	028	029	060	052	085	045	055	045	060	085	052	069	085	069	060	057	034	065	077	052	005	0	0
		75	0.5	17	22	25	45	40	27	40	35	40	25	35	30	40	50	45	40	30	45	45	40	50	30	20	20	40	20	20	30
				030	038	044	078	070	047	070	061	070	044	061	052	070	087	078	070	052	078	078	070	087	052	035	035	070	035	035	052
	260m	131	4.25	40	45	50	35	45	55	45	50	45	40	50	35	50	50	45	40	50	55	45	40	50	45	45	45	40	20	30	25
				070	079	088	061	079	095	079	088	079	070	088	061	088	088	079	070	088	096	079	070	088	079	079	079	070	035	053	044
		132	3.25	55	50	55	60	55	55	50	50	60	55	60	55	50	55	60	55	55	60	60	50	55	50	50	55	50	30	30	30
				094	085	094	1.03	094	094	085	085	103	094	1.03	094	085	094	103	094	094	103	1.03	085	094	085	085	094	085	051	051	051
		133	2.25	60	65	70	55	65	60	60	65	60	65	65	55	50	55	70	60	65	70	55	60	65	60	60	65	50	30	35	30
				1.07	1.16	125	116	116	107	107	116	107	116	1.16	093	090	093	125	107	116	125	093	107	116	107	107	116	090	054	063	054
		134	1.25	50	57	57	60	55	55	55	60	60	60	65	65	60	65	65	65	65	65	60	60	60	65	60	60	50	40	45	35
				083	1.00	100	1.05	095	095	095	105	105	1.05	114	1.14	105	114	114	114	114	114	105	105	1.05	114	1.05	105	088	070	078	061
		135	0.5	—	—	65	70	65	60	70	70	65	80	65	70	65	70	70	55	65	60	65	70	55	55	60	70	55	50	50	45
				—	—	115	124	115	106	124	124	115	142	115	124	115	124	124	097	115	105	115	124	097	097	105	124	089	089	089	080
天井ダクト	40m	161	1.0	240	235	230	230	220	230	225	230	230	225	230	230	225	230	230	225	230	230	230	220	230	225	230	225	230	225	230	225
				394	385	377	377	361	377	369	377	377	369	377	377	369	377	377	369	377	377	377	361	377	369	377	369	377	369	377	369
	-65m	181	1.0																												
地下ダクト	40m	171	0.65																												

(注) ―印 計測データ取れなかった。

Case — 26

8 A — 0 —送Ⅲ　ギル風速計測定結果

(min)　上段 mV　下段 m/sec　-(マイナス)は逆方向

系統	火源距離	位置番号	位置高さ	60秒前	30秒前	点火	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10	11	12	13	14	15	16	17	18	19	20
トンネル本道	40m	21	4.25m	0	0	10	10	13	13	65	60	60	58	52	52	50	55	55	60	55	50	55	52	55	45	43	37	35	23	22	15
				0	0	017	017	022	022	103	101	101	097	087	087	084	092	094	101	092	0.84	092	087	092	076	072	062	059	039	037	025
		22	3.25	12	11	13	15	16	32	32	32	30	30	30	28	30	30	30	27	32	30	32	30	28	30	35	30	20	13	10	15
				021	019	023	026	028	055	055	055	052	052	052	049	052	052	052	0.47	056	0.52	055	052	049	052	061	052	035	023	017	026
		23	2.25	0	0	0	0	13	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0.23	012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		24	1.25	17	18	12	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				030	032	021	035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		25	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	140m	71	4.25	5	8	25	15	25	22	18	24	45	27	36	33	42	43	35	45	35	47	45	33	30	30	34	35	30	28	27	25
				005	013	0.42	030	0.42	037	030	0.40	0.76	0.45	0.60	0.54	0.71	0.72	059	0.76	059	0.79	0.76	054	050	050	057	059	050	047	045	0.42
		72	3.25	10	22	27	30	18	21	35	40	38	35	40	37	42	40	42	48	36	45	40	38	35	34	33	26	35	28	24	25
				0.17	038	0.47	052	031	037	061	0.70	066	063	0.70	064	0.73	0.70	073	084	0.63	0.78	0.85	066	061	059	0.57	045	061	0.49	042	0.44
		73	2.25	22	22	20	26	25	30	26	35	45	33	50	40	40	46	57	35	45	32	45	40	42	37	45	32	32	34	35	27
				039	039	035	0.45	044	053	0.45	062	081	058	089	071	071	081	101	062	0.80	057	0.71	071	073	065	080	057	057	060	064	045
		74	1.25	23	20	30	35	31	30	29	40	43	48	26	40	50	45	45	35	35	30	40	38	37	35	33	30	35	42	43	43
				040	034	0.52	0.62	0.53	0.52	050	069	0.74	083	0.45	059	085	078	0.55	062	060	052	059	065	0.64	060	067	052	060	072	083	074
		75	0.5	30	35	45	35	35	45	40	45	50	45	45	45	55	45	45	40	40	45	40	45	45	50	35	40	40	35	45	45
				0.52	061	0.78	061	0.61	0.78	0.70	0.78	087	0.78	0.78	078	095	0.78	0.78	070	0.70	0.78	0.70	0.78	0.78	087	0.61	070	0.70	0.61	078	078
	250m	131	4.25	60	50	60	55	55	55	50	55	55	50	60	45	55	55	55	60	55	55	60	55	55	55	50	60	45	50	60	50
				1.05	088	1.05	0.95	095	0.95	088	095	0.95	088	1.05	0.79	095	095	0.95	1.05	095	095	1.05	095	095	095	088	1.05	0.79	088	1.05	088
		132	3.25	50	50	55	50	60	60	55	65	60	60	60	60	60	60	60	60	60	55	55	60	55	55	50	65	55	55	60	60
				085	086	0.94	0.85	103	1.03	094	1.11	103	1.03	1.03	103	103	1.03	1.03	1.03	103	0.94	094	1.03	094	094	085	1.11	094	094	1.03	1.03
		133	2.25	55	60	60	55	55	60	65	60	50	60	60	65	60	55	55	65	65	60	65	70	65	70	65	65	55	55	60	60
				093	1.07	1.07	1.95	0.93	107	1.16	107	090	107	1.07	1.16	107	116	1.15	115	1.16	1.07	1.16	1.25	116	125	116	1.15	093	0.93	1.07	1.07
		134	1.25	65	65	65	75	75	75	75	75	70	75	75	75	73	70	73	70	70	68	65	70	70	65	70	65	65	70	65	70
				1.14	1.14	1.14	1.31	1.31	1.31	1.31	1.31	123	1.31	1.31	1.31	128	123	128	1.23	1.23	1.19	1.14	1.23	1.23	1.14	1.23	114	1.14	123	114	1.23
		135	0.5	72	67	75	80	80	80	75	80	75	75	85	70	70	65	70	65	70	65	60	70	65	65	65	60	50	65	60	65
				127	1.19	1.33	1.42	1.42	1.42	1.33	1.42	133	1.33	150	124	124	1.15	124	115	1.24	1.15	1.05	124	1.15	1.15	1.15	1.06	1.05	1.15	1.05	1.15
天井ダクト	40m	161	1.0	220	225	225	220	230	225	225	220	220	225	230	220	220	225	220	220	220	220	220	225	225	220	225	225	220	225	220	220
				361	369	369	351	377	369	369	361	361	359	377	361	361	369	361	361	361	351	361	369	369	361	369	369	351	369	361	361
	-55m	181	1.0																												
地下ダクト	40m	171	0.65																												

Case－27

8 A－0－送（路側）　ギル風速計測定結果

上段 mV　(min)
下段 m/sec　－(マイナス)は逆方向

系統	天井距離	位置番号	位置高さ	60秒前	30秒前	点火	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10	11	12	13	14	15	16	17	18	19	20
トンネル本通	40 m	21	4.25 m	0	0	0	0	0	45	40	38	40	43	40	32	28	35	40	38	40	35	38	33	38	35	30	26	25	20	15	10
				0	0	0	0	0	0.76	0.67	0.64	0.67	0.72	0.57	0.54	0.47	0.59	0.67	0.64	0.67	0.60	0.64	0.64	0.64	0.59	0.50	0.44	0.42	0.34	0.25	0.17
		22	3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-8	-10	-10	-10	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	-0.14	-0.17	-0.17	-0.17	0	0	0	0	0	0	0	0	0	0
		23	2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		24	1.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		25	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	140 m	71	4.25	0	-2	1	1	0	1	0	-10	-4	0	5	0	0	0	-2	0	-4	0	0	0	0	0	0	0	0	0	-1	0
				0	-0.03	0.02	0.02	0	0.02	0	-0.17	-0.07	0	0.05	0	0	0	-0.03	0	-0.07	0	0	0	0	0	0	0	0	0	-0.02	0
		72	3.25	0	0	0	0	2	0	-10	-5	0	0	0	-3	0	0	0	0	-2	0	0	0	1	-2	0	-3	0	-2	0	0
				0	0	0	0	0.03	0	-0.17	-0.09	0	0	0	-0.05	0	0	0	0	-0.03	0	0	0	0.02	-0.03	0	-0.05	0	-0.03	0	0
		73	2.25	0	0	0	0	0	0	0	-2	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	-2
				0	0	0	0	0	0	0	-0.03	0	0	0.05	0	0	0	0.05	0	0	0	0	0	0	0	0	0.07	0	0	0	-0.03
		74	1.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.07	0	0	0	0	0	0	0	0	0	0	0
		75	0.5	5	0	2	10	7	2	0	0	0	1	0	5	0	7	0	5	8	4	0	15	2	2	1	5	3	0	6	5
				0.09	0	0.03	0.17	0.12	0.03	0	0	0	0.05	0	0.09	0	0.12	0	0.09	0.14	0.07	0	0.26	0.03	0.03	0.02	0.09	0.05	0	0.10	0.09
	250 m	131	4.25	25	25	30	50	25	30	35	20	40	30	25	35	30	15	35	30	30	30	20	25	40	35	35	20	30	35	35	35
				0.44	0.44	0.53	0.85	0.44	0.53	0.61	0.35	0.70	0.53	0.44	0.50	0.53	0.26	0.61	0.53	0.53	0.53	0.35	0.44	0.70	0.61	0.61	0.35	0.53	0.61	0.61	0.61
		132	3.25	27	25	20	25	15	25	25	20	25	25	20	25	25	20	30	20	20	20	20	25	30	30	35	25	20	20	20	25
				0.45	0.43	0.34	0.43	0.25	0.43	0.43	0.34	0.43	0.43	0.34	0.43	0.43	0.34	0.51	0.34	0.34	0.34	0.34	0.43	0.51	0.51	0.60	0.43	0.34	0.34	0.34	0.60
		133	2.25	20	30	20	25	20	25	30	25	35	40	25	30	35	30	25	30	25	25	30	35	25	35	30	35	25	25	25	35
				0.35	0.54	0.35	0.45	0.35	0.45	0.54	0.45	0.63	0.72	0.45	0.54	0.63	0.54	0.45	0.54	0.45	0.45	0.54	0.63	0.45	0.63	0.54	0.63	0.45	0.45	0.45	0.45
		134	1.25	20	15	37	25	30	20	35	50	23	38	30	35	28	32	40	47	40	20	25	35	35	20	35	30	35	30	35	35
				0.35	0.26	0.65	0.44	0.53	0.35	0.61	0.88	0.40	0.67	0.53	0.61	0.49	0.56	0.70	0.82	0.70	0.35	0.44	0.61	0.61	0.35	0.61	0.53	0.61	0.53	0.61	0.61
		135	0.5	40	40	52	35	45	35	40	50	50	45	55	40	45	30	45	45	45	35	40	45	40	35	40	45	45	40	45	40
				0.71	0.71	0.92	0.62	0.80	0.62	0.71	0.89	0.89	0.80	0.97	0.71	0.80	0.53	0.80	0.80	0.80	0.62	0.71	0.80	0.71	0.62	0.80	0.80	0.80	0.71	0.80	0.71
天井ダクト	40 m	161	1.0																												
	-65 m	181	1.0																												
地下ダクト	40 m	171	0.65	245	245	240	240	240	245	245	245	240	245	245	245	240	240	240	245	240	240	245	245	245	245	245	240	240	245	245	245
				409	409	401	401	401	401	409	409	401	409	409	409	401	401	401	409	401	401	409	409	409	409	409	401	401	409	409	409

Case－28

4 A－0－送（路側）　ギル風速計測定結果

上段 mV　(min)
下段 m/sec　－(マイナス)は逆方向

系統	天井距離	位置番号	位置高さ	60秒前	30秒前	点火	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10	11	12	13	14	15	16	17	18	19	20
トンネル本通	40 m	21	4.25 m	6	15	0	12	15	60	50	55	70	75	57	55	65	62	60	65	75	62	72	62	73	60	55	45	35	40	15	10
				0.1	0.25	0	0.20	0.25	1.01	0.84	0.92	1.18	1.26	0.95	0.92	1.09	1.04	1.01	1.14	1.25	1.04	1.21	1.04	1.23	1.01	0.92	0.76	0.59	0.67	0.25	0.17
		22	3.25	10	5	5	12	42	40	37	40	72	76	83	85	82	80	82	81	82	78	80	85	80	83	83	83	85	85	67	70
				0.17	0.09	0.09	0.21	0.73	0.70	0.64	0.70	1.25	1.32	1.44	1.48	1.43	1.39	1.43	1.41	1.43	1.35	1.39	1.48	1.39	1.44	1.44	1.44	1.50	1.48	1.17	1.22
		23	2.25	12	15	5	15	6	36	30	32	25	22	24	21	20	20	20	26	25	27	23	19	17	24	25	30	28	33	32	35
				0.21	0.26	0.11	0.26	0.11	0.63	0.53	0.55	0.44	0.39	0.42	0.37	0.35	0.35	0.35	0.45	0.44	0.48	0.40	0.33	0.30	0.42	0.44	0.53	0.49	0.58	0.56	0.63
		24	1.25	12	9	12	23	29	25	30	20	30	22	16	26	30	34	30	29	20	30	32	35	32	30	33	40	35	39	34	42
				0.21	0.16	0.21	0.40	0.51	0.44	0.53	0.35	0.53	0.39	0.28	0.45	0.53	0.60	0.53	0.51	0.35	0.53	0.56	0.63	0.56	0.53	0.58	0.70	0.61	0.68	0.60	0.74
		25	0.5	7	14	17	20	22	30	30	33	17	35	35	31	39	40	42	44	44	42	45	49	40	40	49	40	40	45	33	37
				0.12	0.23	0.28	0.33	0.37	0.50	0.50	0.55	0.28	0.58	0.63	0.52	0.65	0.67	0.70	0.73	0.73	0.70	0.77	0.82	0.67	0.67	0.82	0.67	0.67	0.75	0.63	0.62
	140 m	71	4.25	35	35	30	35	27	40	35	32	28	32	32	25	23	32	30	35	25	18	20	22	27	30	13	25	35	24	20	30
				0.59	0.59	0.50	0.59	0.45	0.67	0.59	0.54	0.47	0.54	0.54	0.42	0.39	0.54	0.50	0.59	0.42	0.30	0.34	0.37	0.45	0.50	0.22	0.42	0.59	0.40	0.34	0.50
		72	3.25	35	25	30	32	20	25	30	30	25	27	30	24	30	45	30	25	30	30	30	30	25	27	30	30	25	22	35	32
				0.61	0.44	0.52	0.55	0.35	0.44	0.52	0.52	0.44	0.47	0.52	0.42	0.52	0.78	0.52	0.44	0.52	0.52	0.52	0.52	0.44	0.47	0.52	0.52	0.44	0.38	0.61	0.55
		73	2.25	30	40	57	45	50	65	40	30	40	65	35	40	25	40	30	35	55	50	40	40	45	40	25	35	30	30	35	35
				0.53	0.71	1.01	0.80	0.89	1.15	0.71	0.53	0.71	1.15	0.62	0.71	0.44	0.71	0.53	0.62	0.97	0.89	0.71	0.71	0.80	0.71	0.44	0.62	0.53	0.53	0.62	0.62
		74	1.25	45	50	48	50	40	50	40	35	55	50	45	40	40	40	35	40	45	55	45	40	45	35	40	40	35	35	40	45
				0.77	0.55	0.83	0.85	0.69	0.85	0.69	0.60	0.95	0.85	0.77	0.69	0.69	0.69	0.61	0.69	0.77	0.95	0.77	0.69	0.77	0.61	0.69	0.69	0.61	0.61	0.69	0.77
		75	0.5	45	55	40	40	50	45	50	45	45	50	40	45	50	50	60	55	50	55	55	50	45	50	50	40	40	55	45	55
				0.78	0.95	0.70	0.70	0.87	0.78	0.87	0.78	0.78	0.87	0.70	0.78	0.87	0.87	1.04	0.95	0.87	0.95	0.95	0.87	0.78	0.87	0.87	0.70	0.70	0.95	0.78	0.95
	250 m	131	4.25	75	75	65	75	75	70	65	75	70	70	75	75	70	65	70	75	65	70	75	75	80	75	60	65	65	70	65	80
				1.31	1.31	1.14	1.31	1.31	1.23	1.14	1.31	1.23	1.23	1.31	1.31	1.23	1.14	1.23	1.31	1.14	1.23	1.31	1.31	1.40	1.31	1.05	1.14	1.14	1.23	1.14	1.40
		132	3.25	70	65	65	60	60	65	60	60	60	65	65	60	60	55	65	60	55	60	70	65	70	60	70	70	65	65	70	70
				1.20	1.11	1.11	1.03	1.03	1.11	1.03	1.03	1.03	1.11	1.11	1.03	1.03	1.11	1.11	1.03	0.94	1.03	1.20	1.11	1.20	1.03	1.20	1.20	1.11	1.11	1.20	1.20
		133	2.25	70	65	60	70	60	60	65	65	70	65	65	65	60	75	75	75	70	65	70	60	70	70	65	65	75	65	70	70
				1.25	1.15	1.07	1.25	1.07	1.07	1.16	1.16	1.25	1.16	1.16	1.16	1.07	1.34	1.34	1.34	1.25	1.16	1.25	1.07	1.25	1.25	1.15	1.16	1.34	1.16	1.25	1.25
		134	1.25	70	70	70	73	77	75	76	75	77	68	70	75	70	68	68	80	75	70	70	75	80	66	72	70	75	70	65	75
				1.23	1.23	1.23	1.28	1.35	1.31	1.33	1.31	1.35	1.19	1.23	1.31	1.23	1.19	1.19	1.40	1.31	1.23	1.23	1.31	1.40	1.16	1.26	1.23	1.31	1.23	1.14	1.31
		135	0.5	70	70	75	70	75	75	80	75	76	75	75	75	75	80	75	80	75	80	80	75	85	75	80	75	80	85	75	80
				1.24	1.24	1.33	1.24	1.33	1.33	1.42	1.33	1.24	1.33	1.33	1.33	1.33	1.42	1.33	1.42	1.33	1.42	1.42	1.33	1.50	1.33	1.42	1.33	1.42	1.50	1.33	1.42
天井ダクト	40 m	161	1.0																												
	-65 m	181	1.0																												
地下ダクト	40 m	171	0.65	415	415	405	405	405	405	405	405	405	410	410	400	410	410	400	415	400	405	410	405	405	405	405	405	405	410	400	410
				693	693	676	676	676	676	676	676	676	685	685	668	685	685	668	693	668	676	685	676	676	676	676	676	676	685	668	685

Case－29

8 A－0－送（路側）　ギル風速計測定結果

(min)　上段 mV　下段 m/sec　－(マイナス)は逆方向

備考	入口距離	位置番号	位置高さ	60秒前	30秒前	点火	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10	11	12	13	14	15	16	17	18	19	20
トンネル本通	40m	21	4.25m	0	0	0	0	0	75	70	73	73	70	60	65	75	70	72	80	75	82	83	72	73	75	65	63	45	43	37	35
				0	0	0	0	0	1.26	1.18	1.23	1.23	1.18	1.01	1.01	1.26	1.23	1.21	1.34	1.26	1.38	1.39	1.21	1.22	1.26	1.09	1.06	0.81	0.72	0.62	0.59
		22	3.25	0	0	0	0	30	10	12	20	10	0	0	5	0	2	8	18	13	15	10	10	7	7	6	10	10	5	0	0
				0	0	0	0	0.52	0.17	0.21	0.35	0.17	0	0	0.09	0	0.03	0.14	0.31	0.23	0.26	0.17	0.17	0.12	0.12	0.10	0.17	0.17	0.09	0	0
		23	2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-12	-18	-14	-12	-13	-11	-9	-12	-7	-5	-4	-2	-4	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	-0.21	-0.32	-0.25	-0.21	-0.23	-0.19	-0.16	-0.21	-0.12	-0.03	-0.07	-0.04	-0.07	0
		24	1.25	0	0	0	0	-7	-19	-15	-12	-7	0	-2	-17	-19	-25	-27	-31	-39	-30	-32	-33	-32	-31	-30	-23	-27	-22	-20	-17
				0	0	0	0	-0.12	-0.33	-0.26	-0.21	-0.12	0	-0.04	-0.30	-0.33	-0.44	-0.47	-0.54	-0.53	-0.53	-0.55	-0.58	-0.56	-0.54	-0.53	-0.51	-0.47	-0.39	-0.35	-0.30
		25	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	140m	71	4.25	0	0	0	0	0	0	0	0	0	0	5	0	8	30	40	37	35	40	44	45	43	41	44	45	37	25	14	0
				0	0	0	0	0	0	0	0	0	0	0.05	0	0.13	0.50	0.57	0.52	0.59	0.67	0.74	0.76	0.72	0.69	0.74	0.76	0.62	0.42	0.24	0
		72	3.25	0	0	0	0	2	-5	-2	0	-3	0	15	8	16	27	18	16	26	17	23	15	10	18	12	16	12	0	0	0
				0	0	0	0	-0.03	-0.09	-0.63	0	-0.05	0	0.26	0.14	0.28	0.47	0.31	0.28	0.45	0.30	0.40	0.31	0.17	0.31	0.21	0.25	0.21	0	0	0
		73	2.25	3	0	0	0	0	0	0	0	0	9	10	17	8	12	10	8	4	0	0	0	0	0	0	5	11	23	3	0
				0.05	0	0	0	0	0	0	0	0	0.16	0.18	0.32	0.14	0.21	0.15	0.14	0.07	0	0	0	0	0	0	0.09	0.19	0.41	0.05	0
		74	1.25	0	0	0	0	0	0	0	0	7	8	19	12	6	0	0	0	0	0	0	0	0	0	0	0	4	17	6	0
				0	0	0	0	0	0	0	0	0.12	0.14	0.33	0.21	0.10	0	0	0	0	0	0	0	0	0	0	0	0.07	0.29	0.10	0
		75	0.5	3	0	0	5	5	0	1	0	4	0	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5
				0.05	0	0	0.09	0.09	0	0.02	0	0.07	0	0.09	0.09	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0.09	0.09
	260m	131	4.25	25	30	30	30	25	30	25	30	23	18	25	26	25	22	33	35	20	32	25	35	17	20	23	25	10	30	28	35
				0.44	0.53	0.53	0.53	0.45	0.52	0.44	0.53	0.40	0.32	0.44	0.45	0.44	0.39	0.67	0.63	0.35	0.55	0.44	0.61	0.30	0.35	0.40	0.44	0.18	0.53	0.49	0.61
		132	3.25	15	25	20	25	30	25	25	25	25	25	20	25	30	20	25	20	30	25	25	25	30	20	25	25	25	25	25	20
				0.26	0.43	0.34	0.43	0.51	0.43	0.43	0.43	0.43	0.43	0.34	0.43	0.51	0.34	0.43	0.34	0.51	0.43	0.43	0.43	0.51	0.34	0.43	0.43	0.43	0.43	0.43	0.34
		133	2.25	25	30	40	35	35	40	40	30	35	35	40	35	25	25	30	30	30	30	25	30	25	20	20	25	30	30	30	25
				0.45	0.54	0.72	0.63	0.63	0.72	0.72	0.54	0.63	0.63	0.72	0.63	0.45	0.45	0.54	0.54	0.54	0.54	0.45	0.54	0.45	0.35	0.36	0.45	0.54	0.54	0.54	0.45
		134	1.25	28	27	25	35	50	25	35	30	38	37	30	30	27	33	30	40	40	27	32	33	33	50	35	20	35	16	25	26
				0.49	0.47	0.44	0.61	0.88	0.44	0.61	0.53	0.67	0.65	0.53	0.53	0.47	0.55	0.53	0.70	0.63	0.47	0.56	0.58	0.55	0.88	0.61	0.35	0.67	0.28	0.44	0.45
		135	0.5	35	35	45	50	45	30	40	35	50	45	40	40	40	45	45	35	40	40	45	40	45	50	40	30	45	35	35	40
				0.62	0.62	0.80	0.89	0.80	0.53	0.71	0.62	0.89	0.80	0.71	0.71	0.71	0.80	0.80	0.62	0.71	0.71	0.80	0.71	0.80	0.89	0.71	0.53	0.80	0.62	0.62	0.71
天井ダクト	40m	161	1.0																												
	-65m	161	1.0																												
地下ダクト	40m	171	0.65	225	220	225	225	230	230	230	230	225	230	230	225	235	230	230	225	225	230	230	230	225	230	230	230	235	230	230	235
				3.76	3.67	3.76	3.76	3.84	3.84	3.84	3.84	3.76	3.84	3.84	3.76	3.92	3.84	3.84	3.76	3.76	3.84	3.84	3.84	3.76	3.84	3.84	3.84	3.92	3.84	3.84	3.92

輻射計測定値

換算係数 241mV = 1×10³ Kcal/㎡・hr
1mV = 415 Kcal/㎡・hr

測定点 / 実験ケース		3M (4分後) mV	3M (4分後) Kcal/㎡・hr	5M (5分後) mV	5M (5分後) Kcal/㎡・hr	10M (6分後) mV	10M (6分後) Kcal/㎡・hr	15M (7分後) mV	15M (7分後) Kcal/㎡・hr	20M (8分後) mV	20M (8分後) Kcal/㎡・hr	30M (9分後) mV	30M (9分後) Kcal/㎡・hr	火皿面積 ㎡	備考
13		304	1,252	1.57	652	063	261	035	145	024	100	014	58	8	8A-0-排
12		273	1,133	1.33	552	048	199	0.25	104	0.15	62	0.08	33	4	4A-0-排
11		200	830	1.01	419	034	141	0.17	71	010	42	0.05	21	2	2A-0-排
16		277	1,150	1.45	602	0.57	237	031	129	020	83	012	50	8	8A-1-排
15		1.91	793	1.10	457	039	162	0.20	83	013	54	0.07	29	4	4A-1-排
14		1.40	581	0.68	282	0.22	91	011	45	007	29	003	12	2	2A-1-排
24		305	1,270	1.58	655	0.59	245	034	141	退避	-	退避	-	8	8A-0-送Ⅰ
25		307	1,274	1.58	656	0.58	241	退避	-	退避	-	退避	-	8	8A-0-送Ⅱ
26		278	1,154	1.49	618	0.56	232	0.31	129	退避	-	退避	-	8	8A-0-送Ⅲ
29		316	1,311	1.65	685	062	257	035	145	024	100	016	66	8	8A-0-送(路側)
28		219	909	111	451	040	165	0.20	83	013	54	005	21	4	4A-0-送(路側)
27		218	905	0.95	393	032	133	016	66	010	42	005	21	2	2A-0-送(路側)
4		302	1,253	1.66	689	0.61	253	0.34	141	024	100	0.16	66	8	8A-0-0Ⅱ
平均値	8㎡	2.936	1,239	1.568	651	0.594	247	0.335	140	0.230	95	0.145	60	8	
	4㎡	2.277	945	1.180	490	0.423	176	0.217	90	0.137	57	0.067	28	4	
	2㎡	1.866	774	0.883	366	0.293	122	0.147	61	0.09	37	0.043	18	2	

注. 1. 測定方法は図2-9(b)、2) 輻射量 (P27) の通り　2. 測定点は、火源よりの離隔距離を示す。

静圧差測定値

静圧測定その他の箇所 (上段計測：送風機試験室内 / 下段計測：車道(試験室前面))

項目 / 実験ケース	静圧差読み mm	室温 ℃	補正係数	静圧差 mm Aq	基準値 (差圧0点) mm	静圧測定箇所	スロット開度パターン	換気風量 ㎥/sec	換気方式	送風機回転数 回転方向	送風機回転数 r.p.m.	ダンパ開度 % 天井	ダンパ開度 % 車道	ダンパ開度 % 地下		備考
13	-22.7 / -	18	0.7910	-2.14 / -	20	天井ダクト -65M	A	25.3	天井ダクト スロット排気	逆転	135	100	0	0		8A-0-排
12	-22.7 / -	19	0.7902	-2.13 / -	20	″ ″	″	25.3	″	″	135	100	0	0		4A-0-排
11	-22.7 / -	20	0.7893	-2.13 / -	20	″ ″	″	23.7	″	″	135	100	0	0		2A-0-排
16	-21.7 / -22.5	17	0.7919	-1.35 / -1.93	20	″ ″	″	23.7	″ / (車道送気)	″	135 / 260	80 / 0	0 / 100	0		8A-1-排
15	-21.7 / -22.5	17	″	-1.35 / -1.93	20	″ ″	″	23.9	″ / (車道送気)	″	135 / 260	80 / 0	0 / 100	0		4A-1-排
14	-21.8 / -22.6	17	″	-1.43 / -2.06	20	″ ″	″	23.9	″ / (車道送気)	″	135 / 260	80 / 0	0 / 100	0		2A-1-排
24	25.7 / 25.5	18	0.7910	+4.51 / +4.35	20	″ ″	B	45.3	天井ダクト スロット送気	正転	120	95	0	0		8A-0-送Ⅰ
25	32.7 / 32.3	18	″	+10.05 / +9.73	20	″ ″	C	44.1	″	″	150	100	0	0		8A-0-送Ⅱ
26	38.3 / 37.9	17	0.7919	+18.45 / +18.13	15	″ ″	D	43.7	″	″	220	100	0	0		8A-0-送Ⅲ
29	25.4 / 25.0	18	0.7910	+4.27 / +3.95	20	地下ダクト -55M	E	46.5	地下ダクト スロット送気	″	110	0	0	100		8A-0-送(路側)
28	27.2 / 25.0	17.5	0.7915	+5.70 / +3.95	20	″ ″	F	77.4	″	″	190	0	0	50		4A-0-送(路側)
27	20.4 / 20.7	17	0.7919	+4.28 / +4.51	15	″ ″	E	43.0	″	″	120	0	0	80		2A-0-送(路側)
4	- / -	-	-	- / -	-	-	-	0	無風	-	0	全閉	全閉	全閉		8A-0-0Ⅱ

注 静圧差mm Aq = (静圧差読みmm - 基準値mm) × 補正係数
(小数点3桁目四捨五入)
ダクト側が負圧のとき - (マイナス)
ダクト側が正圧のとき + (プラス)

天井ダクト -65M　　上段：送風機試験室内
地下ダクト -65M　　下段：車道 (試験室前面)

換気排気運転有・無の比較表

経時的に最高値をとる。各欄右側の数値は、点火後経過時間（min）を示す。
（小数点以下1桁に四捨五入し、同値の場合は早い時刻をとる。）

区分	火皿距離	高さ	記号	単位	火皿 2㎡ 有	火皿 2㎡ 無	火皿 2㎡ 無	火皿 4㎡ 有	火皿 4㎡ 有	火皿 4㎡ 無	火皿 4㎡ 無	火皿 8㎡ 有	火皿 8㎡ 有	火皿 8㎡ 無	火皿 8㎡ 無	
設定吸込風速 m/s					1.91	2.03	0.94	2.07	3.45	2.04	0.99	2.00	2.49	2.01	1.04	
ケース番号					17	8	5	13	20	9	6	13	21	10	7	
温度（上昇）	20m	45m	T-11	℃.分	142 / 135	152 / 135	333 / 115	305 / 155	237 / 155	223 / 145	651 / 145	713 / 13.5	547 / 120	794 / 140	1024 / 145	
		20	-16	〃	44 / 140	42 / 135	67 / 165	100 / 145	64 / 110	152 / 135	98 / 170	409 / 15.0	198 / 140	491 / 140	213 / 145	
	40m	45	-21	〃	137 / 125	144 / 145	278 / 115	306 / 150	243 / 145	349 / 135	551 / 150	639 / 14.0	535 / 125	720 / 135	903 / 150	
		20	-26	〃	101 / 120	9.4 / 153	50 / 155	148 / 75	149 / 150	141 / 165	94 / 190	237 / 13.0	284 / 50	327 / 145	183 / 145	
	100m	45	-51	〃	99 / 150	110 / 150	180 / 165	212 / 145	181 / 150	268 / 150	345 / 170	457 / 14.5	387 / 135	527 / 145	596 / 155	
		20	-54	〃	58 / 130	68 / 105	53 / 155	105 / 145	109 / 145	152 / 130	83 / 195	222 / 13.5	225 / 135	258 / 100	170 / 150	
	140m	45	-71	〃	82 / 135	89 / 170	149 / 165	179 / 155	148 / 155	224 / 150	265 / 180	387 / 14.5	330 / 140	451 / 145	463 / 160	
		20	-74	〃	45 / 160	51 / 155	48 / 180	87 / 155	7.6 / 110	129 / 135	68 / 195	20.9 / 16.5	176 / 145	239 / 150	139 / 160	
	230m	45	-111	〃	57 / 160	67 / 160	94 / 170	119 / 160	104 / 155	15.9 / 160	150 / 185	253 / 16.5	223 / 150	321 / 153	272 / 175	
		20	-114	〃	37 / 170	52 / 160	53 / 175	74 / 100	73 / 155	108 / 145	76 / 145	150 / 17.5	153 / 150	204 / 160	167 / 170	
煙濃度	40m	45	S-21	%分	87.7 / 9.0	905 / 1.0	855 / 15	857 / 5.0	930 / 90	85.0 / 15	803 / 15	902 / 1.5	842 / 15	797 / 15	631 / 15	
		25	-25	〃	952 / 90	955 / 45	945 / 20	922 / 50	950 / 9.0	93.3 / 15	92.0 / 60	92.7 / 9.5	845 / 15	918 / 90	896 / 55	
	80m	45	-41	〃	835 / 95	857 / 15	803 / 20	805 / 15	870 / 15	844 / 15	731 / 20	848 / 5.5	783 / 15	779 / 95	592 / 20	
		25	-43	〃	939 / 95	953 / 15	929 / 25	912 / 95	910 / 15	928 / 15	945 / 30	905 / 5.5	873 / 15	924 / 60	934 / 70	
	140m	45	-71	〃	918 / 10.0	87.4 / 20	887 / 35	880 / 60	87.7 / 20	868 / 20	805 / 30	900 / 5.5	867 / 20	816 / 20	69.0 / 30	
		25	-72	〃	943 / 10.0	91.7 / 20	933 / 40	920 / 60	920 / 20	90.8 / 20	911 / 80	916 / 30	882 / 20	837 / 25	80.0 / 70	
	230m	45	-111	〃	925 / 11.0	924 / 30	857 / 5.0	875 / 7.0	894 / 25	87.8 / 30	752 / 90	878 / 10.5	843 / 25	790 / 30	587 / 45	
		25	-112	〃	97.0 / 11.0	968 / 30	954 / 135	932 / 7.0	953 / 25	947 / 30	917 / 130	933 / 65	913 / 105	907 / 30	819 / 105	
風速	40m	45	V-21	m/s分	21 / 55	21 / 110	16 / 130	24 / 140	28 / 45	25 / 105	20 / 100	28 / 65	29 / 135	27 / 25	21 / 155	
		15	-27	〃	23 / 75	23 / 30	11 / 140	25 / 180	32 / 10	24 / 140	12 / 55	28 / 14.0	30 / 35	27 / 155	11 / 20	
	140m	45	-71	〃	21 / 30	23 / 95	12 / 155	24 / 75	27 / 20	23 / 110	14 / 20	22 / 5.0	28 / 130	26 / 30	16 / 25	
		*1.0	-74	〃	18 / 160	22 / 170	12 / 110	21 / 145	26 / 170	24 / 75	10 / 85	21 / 11.0	26 / 120	23 / 150	08 / 05	
	260m	45	-121	〃	16 / 5.0	21 / 25	11 / 160	18 / 90	23 / 80	23 / 25	13 / 45	19 / 6.0	22 / 100	23 / 25	13 / 40	
		15	-122	〃	14 / 85	25 / 50	12 / 45	20 / 95	26 / 50	25 / 125	12 / 45	20 / 6.0	25 / 60	25 / 25	13 / 40	
					2A-2-排	2A-2-0	2A-1-0	4A-2-排	4A-2.5-排	4A-2-0	4A-1-0	8A-2-排	8A-2.5-排	8A-2-0	8A-1-0	

風速計 記録計 読ミ.　　ケース: 5

換算係数 0.0172

箇所 / 時刻	V-71 mV	V-71 m/s	V-73 mV	V-73 m/s	箇所 / 時刻	V-71 mV	V-71 m/s	V-73 mV	V-73 m/s
-2'00"	43	0.74	60	1.03	9'00"	54	0.93	58	1.00
-1'30"	37	0.64	54	0.93	9'30"	60	1.03	50	0.86
-1'00"	33	0.57	58	1.00	10'00"	60	1.03	58	1.00
-0'30"	32	0.55	53	0.91	10'30"	59	1.01	60	1.03
0'00"	37	0.64	52	0.89	11'00"	61	1.05	52	0.89
0'30"	38	0.65	52	0.89	11'30"	60	1.03	53	0.91
1'00"	34	0.58	52	0.89	12'00"	61	1.05	54	0.93
1'30"	33	0.57	53	0.91	12'30"	60	1.03	60	1.03
2'00"	64	1.10	49	0.84	13'00"	64	1.10	58	1.00
2'30"	66	1.14	41	0.71	13'30"	60	1.03	50	0.86
3'00"	62	1.07	39	0.67	14'00"	61	1.05	54	0.93
3'30"	62	1.07	50	0.86	14'30"	60	1.03	53	0.91
4'00"	58	1.00	45	0.77	15'00"	57	0.98	54	0.93
4'30"	59	1.01	48	0.83	15'30"	67	1.15	54	0.93
5'00"	57	0.98	49	0.84	16'00"	63	1.08	63	1.08
5'30"	58	1.00	48	0.83	16'30"	59	1.01	54	0.93
6'00"	58	1.00	60	1.03	17'00"	64	1.10	62	1.07
6'30"	54	0.93	45	0.77	17'30"	58	1.00	56	0.96
7'00"	56	0.96	50	0.86	18'00"	56	0.96	52	0.89
7'30"	60	1.03	54	0.93	18'30"	52	0.89	54	0.93
8'00"	60	1.03	54	0.93	19'00"	56	0.96	53	0.91
8'30"	58	1.00	56	0.96	19'30"	54	0.93	54	0.93
					20'00"	48	0.83	50	0.86

風速計 記録計 読ミ.　　ケース: 6

換算係数 0.0172

箇所 / 時刻	V-71 mV	V-71 m/s	V-73 mV	V-73 m/s	箇所 / 時刻	V-71 mV	V-71 m/s	V-73 mV	V-73 m/s
-2'00"	36	0.62	52	0.89	9'00"	65	1.12	54	0.93
-1'30"	39	0.67	56	0.96	9'30"	64	1.10	55	0.95
-1'00"	43	0.74	52	0.89	10'00"	62	1.07	56	0.96
-0'30"	43	0.74	49	0.84	10'30"	63	1.08	47	0.81
0'00"	39	0.67	47	0.81	11'00"	64	1.10	52	0.89
0'30"	44	0.76	48	0.83	11'30"	63	1.08	56	0.96
1'00"	46	0.79	50	0.86	12'00"	62	1.07	52	0.89
1'30"	38	0.65	50	0.86	12'30"	63	1.08	49	0.84
2'00"	80	1.38	48	0.83	13'00"	57	1.01	49	0.84
2'30"	74	1.27	46	0.79	13'30"	60	1.03	50	0.86
3'00"	73	1.26	48	0.83	14'00"	66	1.14	44	0.76
3'30"	68	1.17	54	0.93	14'30"	63	1.08	48	0.83
4'00"	64	1.10	55	0.95	15'00"	59	1.01	47	0.81
4'30"	64	1.10	56	0.96	15'30"	63	1.08	40	0.69
5'00"	68	1.17	55	0.95	16'00"	70	1.20	38	0.65
5'30"	68	1.17	62	1.07	16'30"	63	1.08	42	0.72
6'00"	66	1.14	57	0.98	17'00"	64	1.10	44	0.76
6'30"	66	1.14	57	0.98	17'30"	64	1.10	46	0.79
7'00"	62	1.07	56	0.96	18'00"	62	1.07	39	0.67
7'30"	61	1.05	56	0.96	18'30"	60	1.03	44	0.76
8'00"	61	1.05	55	0.95	19'00"	62	1.07	52	0.89
8'30"	66	1.14	52	0.89	19'30"	54	0.93	49	0.84
					20'00"	55	0.95	50	0.86

風速計 記録計 読み.

ケース: 7

換算係数 0.0172

時刻 \ 箇所	V-71		V-73		時刻 \ 箇所	V-71		V-73	
	mV	m/s	mV	m/s		mV	m/s	mV	m/s
-2'00"	48	0.83	56	0.96	9'00"	78	1.34	60	1.03
-1'30"	46	0.79	46	0.79	9'30"	80	1.38	48	0.83
-1'00"	42	0.72	52	0.89	10'00"	82	1.41	58	1.00
-0'30"	43	0.74	46	0.79	10'30"	83	1.43	46	0.79
0'00"	48	0.83	54	0.93	11'00"	84	1.44	56	0.96
0'30"	42	0.72	44	0.76	11'30"	82	1.41	48	0.83
1'00"	41	0.70	52	0.89	12'00"	82	1.41	50	0.86
1'30"	50	0.86	50	0.86	12'30"	80	1.38	49	0.84
2'00"	92	1.58	46	0.79	13'00"	85	1.46	50	0.86
2'30"	92	1.58	40	0.69	13'30"	78	1.34	42	0.72
3'00"	80	1.38	44	0.76	14'00"	80	1.38	42	0.72
3'30"	75	1.29	44	0.76	14'30"	82	1.41	56	0.96
4'00"	80	1.38	46	0.79	15'00"	84	1.44	56	0.96
4'30"	78	1.34	50	0.86	15'30"	84	1.44	57	0.98
5'00"	74	1.27	48	0.83	16'00"	78	1.34	48	0.83
5'30"	75	1.29	55	0.95	16'30"	82	1.41	51	0.88
6'00"	82	1.41	44	0.76	17'00"	80	1.38	58	1.00
6'30"	75	1.29	56	0.96	17'30"	76	1.31	45	0.77
7'00"	78	1.34	55	0.95	18'00"	74	1.27	42	0.72
7'30"	82	1.41	43	0.74	18'30"	72	1.24	44	0.76
8'00"	82	1.41	48	0.83	19'00"	64	1.10	37	0.64
8'30"	70	1.20	51	0.88	19'30"	62	1.07	42	0.72
					20'00"	64	1.10	45	0.77

風速計 記録計 読み.

ケース: 22

換算係数 0.072

時刻 \ 箇所	V-71		V-73		時刻 \ 箇所	V-71		V-73	
	mV	m/s	mV	m/s		mV	m/s	mV	m/s
-2'00"	34	0.58	54	0.93	9'00"	57	0.98	51	0.88
-1'30"	34	0.58	54	0.93	9'30"	60	1.03	52	0.89
-1'00"	39	0.67	53	0.91	10'00"	54	0.93	50	0.86
-0'30"	34	0.58	53	0.91	10'30"	55	0.95	62	1.07
0'00"	34	0.58	50	0.86	11'00"	53	0.91	50	0.86
0'30"	35	0.60	54	0.93	11'30"	62	1.07	58	1.00
1'00"	39	0.67	54	0.93	12'00"	53	0.91	49	0.84
1'30"	34	0.58	52	0.89	12'30"	58	1.00	60	1.03
2'00"	34	0.58	54	0.93	13'00"	60	1.03	59	1.01
2'30"	76	1.31	53	0.91	13'30"	58	1.00	54	0.93
3'00"	67	1.15	46	0.79	14'00"	56	0.96	54	0.93
3'30"	64	1.10	51	0.88	14'30"	59	1.01	48	0.83
4'00"	60	1.03	53	0.91	15'00"	58	1.00	58	1.00
4'30"	62	1.07	54	0.93	15'30"	58	1.00	68	1.17
5'00"	58	1.00	48	0.83	16'00"	60	1.03	50	0.86
5'30"	54	0.93	54	0.93	16'30"	56	0.96	56	0.96
6'00"	68	1.17	52	0.89	17'00"	60	1.03	58	1.00
6'30"	60	1.03	50	0.86	17'30"	62	1.07	58	1.00
7'00"	58	1.00	53	0.91	18'00"	62	1.07	56	0.96
7'30"	58	1.00	52	0.89	18'30"	57	0.98	44	0.76
8'00"	57	0.98	54	0.93	19'00"	60	1.03	53	0.91
8'30"	59	1.01	52	0.89	19'30"	54	0.93	54	[illegible]
					20'00"	58	1.00	54	0.93

天井スロット風速計記録

ケース： 23

換算係数 0.0172 m/s/mV

箇所 / 時刻	V-60 (+120m) mV	m/s	mV	m/s	箇所 / 時刻	V-60 (+120m) mV	m/s	mV	m/s
-2'00"	0	0			9'00"	52	0.89		
-1'30"	0	0			9'30"	51	0.88		
-1'00"	0	0			10'00"	48	0.83		
-0'30"	0	0			10'30"	48	0.83		
0'00"	0	0			11'00"	54	0.93		
0'30"	0	0			11'30"	54	0.93		
1'00"	0	0			12'00"	55	0.95		
1'30"	0	0			12'30"	61	1.05		
2'00"	0	0			13'00"	60	1.03		
2'30"	0	0			13'30"	61	1.05		
3'00"	8	0.14			14'00"	63	1.08		
3'30"	18	0.41			14'30"	60	1.03		
4'00"	25	0.43			15'00"	64	1.10		
4'30"	36	0.62			15'30"	60	1.03		
5'00"	36	0.62			16'00"	57	0.98		
5'30"	37	0.64			16'30"	63	1.08		
6'00"	31	0.53			17'00"	67	1.15		
6'30"	43	0.74			17'30"	66	1.14		
7'00"	40	0.69			18'00"	73	1.26		
7'30"	50	0.86			18'30"	75	1.29		
8'00"	52	0.89			19'00"	68	1.17		
8'30"	57	0.98			19'30"	66	1.14		
					20'00"	67	1.15		

天井スロット風速計記録

ケース： 23

換算係数 0.0172 m/s/mV

箇所 / 時刻	V-20 (+40m) mV	m/s	V-40 (+80m) mV	m/s	箇所 / 時刻	V-20 (+40m) mV	m/s	V-40 (+80m) mV	m/s
-2'00"	0	0	0	0	9'00"	98	1.69	70	1.20
-1'30"	0	0	0	0	9'30"	96	1.65	72	1.24
-1'00"	0	0	0	0	10'00"	92	1.58	74	1.27
-0'30"	0	0	0	0	10'30"	99	1.70	82	1.41
0'00"	0	0	0	0	11'00"	110	1.89	77	1.32
0'30"	20	0.34	0	0	11'30"	98	1.69	73	1.26
1'00"	34	0.58	5	0.09	12'00"	105	1.81	87	1.50
1'30"	48	0.83	8	0.14	12'30"	120	2.06	82	1.41
2'00"	45	0.77	44	0.76	13'00"	104	1.79	84	1.44
2'30"	74	1.27	50	0.86	13'30"	110	1.89	82	1.41
3'00"	80	1.38	54	0.93	14'00"	116	2.00	88	1.51
3'30"	88	1.51	57	0.98	14'30"	112	1.93	81	1.39
4'00"	87	1.50	64	1.10	15'00"	120	2.06	77	1.32
4'30"	97	1.67	63	1.08	15'30"	104	1.79	80	1.38
5'00"	92	1.58	61	1.05	16'00"	104	1.79	87	1.50
5'30"	94	1.62	58	1.00	16'30"	112	1.93	92	1.58
6'00"	84	1.44	76	1.31	17'00"	129	2.22	90	1.55
6'30"	100	1.72	73	1.26	17'30"	128	2.20	97	1.67
7'00"	94	1.62	74	1.27	18'00"	138	2.37	94	1.62
7'30"	98	1.69	74	1.27	18'30"	132	2.27	94	1.62
8'00"	104	1.79	77	1.32	19'00"	130	2.24	89	1.53
8'30"	110	1.89	74	1.27	19'30"	125	2.15	84	1.44
					20'00"	116	2.00	記録乱	

4．メチルアルコールの燃焼

1．メチルアルコールの燃焼計算

分子式　CH_4O，分子量$\frac{C}{12}+\frac{H}{4}\times1+\frac{O}{16}=32$

燃焼式　$2\,CH_4O+3\,O_2=2\,CO_2+4\,H_2O$

$$(2\times32\text{ kg})+(3\times32\text{ kg})=(2\times44\text{ kg})+(4\times18\text{ kg})$$
$$160\text{ kg}\qquad=\qquad160\text{ kg}$$

(1) 燃焼空気量・燃焼ガス量

メチルアルコール　64 kg 対酸素（空気中）＝64 kg：96 kg

O_2，96 kg の容積$=\frac{22.4\text{ Nm}^3}{32\text{ kg}\cdot O_2}\times96\text{ kg}O_2=67.2\text{ Nm}^3/96\text{ Kg}\cdot O_2$

O_2，96 Kg の空気量$=67.2\text{ Nm}^3\div21\%=320\text{ Nm}^3\cdot\text{air}/96\text{ kg}O_2$

メチルアルコール略記（M.A）64 kg 理論燃焼空気量$=320\text{ Nm}^3\cdot\text{air}/64\text{ kg}\cdot$メチル

M.A 1 kg 当り理論燃焼空気量$=5.0\text{ Nm}^3/\text{kg}\cdot$メチルアルコール

M.A 64 kg 当り理論燃焼ガス量

燃焼前 ⟶ 燃焼後

$160\text{ kg}+x\cdot N_2\longrightarrow160\text{ kg}+x\cdot N_2$

$x\cdot N_2=320\text{ Nm}^3-67.2\text{ Nm}^3=252.8\text{ Nm}^3$

$$=\frac{2\times14\text{ kg}}{22.4\text{ Nm}^3}\times252.8\text{ Nm}^3$$

$$=316\text{ kg}\cdot N_2$$

$(M.A+O_2)$ (N_2)　　(N_2)
$160\text{ kg}+\ 316\text{ kg}\longrightarrow160\text{ kg}+316\text{ kg}$

M.A.64 kg 当り理論燃焼ガス量

$2\,CO_2\longrightarrow2\times22.4\text{ Nm}^3\,CO_2$

$4\,H_2O\longrightarrow4\times22.4\text{ Nm}^3\,H_2O$

$x\,N_2\longrightarrow252.8\text{ Nm}^3\cdot N_2$

計　　$387.2\text{ Nm}^3\cdot\text{gas}/64\text{ kg}\cdot\text{M.A}$

M.A.1 kg 当り理論燃焼ガス量 $387.2\div64=6.05\text{ Nm}^3\cdot\text{gas/kg}\cdot\text{M.A}$

M.A.1 kg 当り理論燃焼ガス量$\frac{(160+316)\text{kg}\cdot\text{gas}}{64\text{ kg}\cdot\text{M.A}}=7.437\text{ kg}\cdot\text{gas/kg}\cdot\text{M.A}$

結論

M.A 1 kg＋燃焼空気 5.0 Nm^3 ⟶ 燃焼ガス 6.05 Nm^3

M.A 1 kg＋燃焼空気 6.437 kg ⟶ 燃焼ガス 7.437 kg

(2) 発熱量（低位発熱量）

M.A.64 kg 当り

C, 2×12 kg×8,100 Kcal/kg・c＝194,400 Kcal/64 kg・M.A.

H, 2×(4−2)×1 kg×33,910 Kcal/kg・H＝135,640 Kcal/64 kg・M.A.

計 （高位発熱量） ＝330,040 Kcal/64 kg・M.A.

水の湯熱・潜熱 2×18 kg×620 Kcal/kg＝△ 44,640 Kcal/64 kg・M.A.

合計（低位発熱量） ＝285,400 Kcal/64 kg・M.A.

M.A.1 kg 当り（低位発熱量） ＝4459.3 Kcal/kg・M.A.

註 1 他の文献(動省エネルギーセンタ編,「エネルギー管理技術」p.359

メタノール（主成分メチルアルコール）低位発熱量＝19.94 MJ/kg

19.94×238.85 Kcal/MJ＝4,762.6 Kcal/kg・M.A

(4,762÷4,459＝1.068 倍)

2. 燃焼熱 173 Kcal/Mol（液体）×$\overset{\text{分子量}}{32.04}$ kg＝5,543 Kcal/kgM.A.

$\overset{\text{比重}}{5,543\times0.7924}$＝4,392 Kcal/ℓ

2．工業用メチルアルコール（I.M.A と略記）の熱計算

純度 99.5%と想定（1%は水）

比重 0.7924 kg/ℓ at 20°C

I.M.A 1 ℓ 中の M.A＝0.7924 kg×99.5%＝0.788 kg・M.A/ℓ・I.M.A

I.M.A 1 ℓ 中の H_2O＝0.7924−0.788＝0.004 KgH_2O/ℓ・I.M.A

I.M.A 1 ℓ 当り燃焼空気量＝5.0 Nm^3・air/kg・M.A×0.788 kg＝3.94 Nm^3・air/ℓ・I.M.A

I.M.A 1 ℓ 当り燃焼ガス量＝6.05 Nm^3/kg・M.A×0.788＝4.77 Nm^3gas/ℓ・I.M.A

I.M.A 1 ℓ 当り燃焼ガス量＝7.437 kg・gas/kg・M.A×0.788＝5.86 kg・gas/ℓ・I.M.A

I.M.A 1 ℓ 中の水の蒸発量＝0.004 kg×$\frac{22.4}{18\text{ kg}}$ Nm^3＝0.005 Nm^3・H_2O/ℓ・I.M.A

I.M.A 1 ℓ 当り燃焼・蒸発ガス量＝4.77＋0.005＝4.78 Nm^3・gas/ℓ・I.M.A

I.M.A 1 ℓ 当り燃焼・蒸発ガス量＝5.86＋0.004≒5.86 kg・gas/ℓ・I.M.A

I.M.A 1 ℓ 当り発熱量（低位）＝173 Kca ℓ/Mol（液体）×99.5%＝4,370 Kcal/ℓ・I.M.A

I.M.A 1 ℓ 中の水の蒸発潜熱＝△ 0.008 KgH_2O×620 Kcal/kgH_2O＝△ 5 Kcal/ℓ・I.M.A

I.M.A 1 ℓ 燃焼発生熱量＝4,370−5＝4,365 Kcal/ℓ・I.M.A

≒4,360 Kcal/ℓ・I.M.A

結論

I.M.A 1 ℓ燃焼に必要な空気量＝3.94 Nm^3・air/ℓ・I.M.A

I.M.A 1 ℓ燃焼・蒸発ガス量＝4.78 Nm^3gas/ℓ・I.M.A

I.M.A 1 ℓ燃焼・蒸発ガス量＝5.86 kg gas/ℓ・I.M.A

I.M.A 1 ℓ燃焼発生熱量＝4,360 Kcal/ℓ・I.M.A

註　Nm^3はガスを 0℃, 1 気圧の状態にした際の容積(Nm^3)t℃, 圧力±pmmH_2Oのときの実際ガス容積(m^3)

$$m^3 = Nm^3 \times \frac{273+t}{273} \times \frac{10330 \pm P}{10330}$$

ギル風速計型番，補正係数

箇所	火源からの距離 m	位置番号	位置高さm	風速計型番	補正係数	備考
トンネル車道	40	21	4.25	A	0.0168	
		22	3.25	B	0.0174	
		23	2.25	C	0.0176	
		24	1.25	D	0.0175	
		25	0.5	E	0.0167	
	140	71	4.25	F	0.0168	
		72	3.25	G	0.0174	
		73	2.25	H	0.0177	
		74	1.25	I	0.0172	
		75	0.5	J	0.0174	
	260	131	4.25	K	0.0175	
		132	3.25	L	0.0171	
		133	2.25	M	0.0179	
		134	1.25	N	0.0175	
		135	0.5	O	0.0177	
天井ダクト	40	161	1.0	Q	0.0164	
	−65	181	1.0	Q	0.0164	
地下ダクト	40	171	0.65	P	0.0167	

風速V＝補正係数×出力電圧（mV）m/sec

例　A型，100mVのとき　V＝0.0168×100＝1.68m/sec

トンネル内火災実験報告書

ＩＳＳＮ　0386－5878
土研資料　第2562号
昭和63年３月　(1988)

半横流換気における火災実験
Fire Tests in a tunnel
With of semi-transverse
ventilatin Systen

水谷　敏則，堀内　浩三郎
秋山　清

要　旨　本報告書は，半横流換気方式における実大規模火災実験の結果を報告するものである。

キーワード：道路トンネル，火災，半横流換気方式，煙濃度

郵便はがき

郵便切手をはって下さい

3 0 5 - □□

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上記のとおり受領しました。

所　属（住所）

氏　名　　印