

MM MM AAAAAAAAAA NN NN DDDDDDDDD ## ## P P P P P P P P P P AAAAAAAAAA S S S S S S S S S S
MMM MMM AAAAAAAAAA NNN NN DDDDDDDDD ## ## P P P P P P P P P P AAAAAAAAAA S S S S S S S S S S
MMMM MMMM AA AA NNNN NN DD DD ##### PP PP AA AA SS SS
MM MM MM MM AA AA NN NN NN DD DD ##### PP PP AA AA SS
MM MMMM MM AA AA NN NN NN DD DD ## ## PP PP AA AA SSS
MM MM MM AAAAAAAAAA NN NN NN DD DD ## ## P P P P P P P P P P AAAAAAAAAA S S S S S S S S
MM MM MM AAAAAAAAAA NN NN NN DD DD ## ## P P P P P P P P P P AAAAAAAAAA S S S S S S S S
MM MM MM AA AA NN NN NN DD DD ## ## PP AA AA SSS
MM MM MM AA AA NN NNNN DD DD ##### PP AA AA SS
MM MM MM AA AA NN NNN DD DD ##### PP AA AA SS
MM MM MM AA AA NN NN DDDDDDDDD ## ## PP AA AA S S S S S S S S S S S S
MM MM MM AA AA NN N DDDDDDDDD ## ## PP AA AA S S S S S S S S S S S S

JJJJJJJJJ 11 444 11 9999999999 AAAAAAAAAA
JJJJJJJJJJ 111 4444 111 999999999999 AAAAAAAAAA
JJ 1111 44 44 1111 99 99 AA AA
JJ 11 44 44 11 99 99 AA AA
JJ 11 44 44 11 99 99 AA AA
JJ 11 444444444444 11 999999999999 AAAAAAAAAA
JJ 11 444444444444 11 999999999999 AAAAAAAAAA
JJ 11 44 11 99
JJ JJ 11 44 11 99
JJ JJ 11 44 11 99
JJJJJJJJ 1111111111 44 1111111111 999999999999 AA AA
JJJJJJ 1111111111 44 1111111111 9999999999 AA AA

****A	START	JOB 1419	MAND#PAS	ROOM	7.57.22 PM 21 MAY 20	PRINTER1	SYS TK4-	JOB 1419	START	A****
****A	START	JOB 1419	MAND#PAS	ROOM	7.57.22 PM 21 MAY 20	PRINTER1	SYS TK4-	JOB 1419	START	A****
****A	START	JOB 1419	MAND#PAS	ROOM	7.57.22 PM 21 MAY 20	PRINTER1	SYS TK4-	JOB 1419	START	A****
****A	START	JOB 1419	MAND#PAS	ROOM	7.57.22 PM 21 MAY 20	PRINTER1	SYS TK4-	JOB 1419	START	A****

J E S 2 J O B L O G

19.57.22 JOB 1419 IEF677I WARNING MESSAGE(S) FOR JOB MAND#PAS ISSUED
19.57.22 JOB 1419 \$HASP373 MAND#PAS STARTED - INIT 1 - CLASS A - SYS TK4-
19.57.22 JOB 1419 IEF403I MAND#PAS - STARTED - TIME=19.57.22
19.57.22 JOB 1419 IEFACTRT - STEPNAME PROCSTEP PROGRAM RETCODE
19.57.22 JOB 1419 MAND#PAS COMPILE PASCAL RC= 0000
19.57.22 JOB 1419 MAND#PAS POSTPROC ASMPCODE RC= 0000
19.57.22 JOB 1419 MAND#PAS GO LOADER RC= 0000
19.57.22 JOB 1419 IEF404I MAND#PAS - ENDED - TIME=19.57.22
19.57.22 JOB 1419 \$HASP395 MAND#PAS ENDED

----- JES2 JOB STATISTICS -----

21 MAY 20 JOB EXECUTION DATE

4 CARDS READ

301 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

0.00 MINUTES EXECUTION TIME

1	//MAND#PAS	JOB CLASS=A,MSGCLASS=A,MSGLEVEL=(1,1),NOTIFY=HERC01,	JOB 1419
	//	USER=HERC01,PASSWORD=	GENERATED BY IKJEFF10
2	// EXEC PASC	CG,PARM.COMPILE='D-,K+',PARM.GO=MAP	
3	XXPASC	CG PROC GOTIME=299,GOPARM=,GOREG=2048K,DUMP='DUMMY,',	00010000
	XX	SOUT='*',WORK=VIO,OPT='M+' 1..72 MARGINS	00020000
	***		00030000
	***		00040000
4	XXCOMPILE	EXEC PGM=PASCAL,REGION=8192K,PARM='&OPT'	00050000
5	XXSTEPLIB	DD DSN=PASCAL.PASLIB,DISP=SHR	00060000
6	XXINPUT	DD DDNAME=SYSIN	00070000
7	XXPRD	DD DSN=PASCAL.PASOBJ(PASMSG),DISP=SHR	00080000
8	XXOUTPUT	DD SYSOUT=&SOUT	00090000
9	XXPRR	DD DSN=&&PCODE,UNIT=&WORK,DCB=RECFM=VB,	00100000
	XX	SPACE=(TRK,(20,5),RLSE),DISP=(,PASS)	00110000
10	XXQRR	DD DSN=&&TABLES,UNIT=&WORK,DCB=RECFM=VB,	00120000
	XX	SPACE=(TRK,(5,2),RLSE),DISP=(,PASS)	00130000
	***		00140000
	***		00150000
11	//SYSIN	DD DSN=MANDEL.TEST.SOURCE(MAND#PAS),DISP=SHR	
12	XXPOSTPROC	EXEC PGM=ASMPCODE,COND=(0,LT,COMPILE),REGION=2048K	00160000
13	XXSTEPLIB	DD DSN=PASCAL.PASLIB,DISP=SHR	00170000
14	XXINPUT	DD DSN=*.COMPILE.PRR,DISP=(OLD,DELETE)	00180000
15	XXPRD	DD DSN=*.COMPILE.QRR,DISP=(OLD,PASS)	00190000
16	XXOUTPUT	DD SYSOUT=&SOUT	00200000
17	XXPRR	DD DSN=&&OBJECT,UNIT=&WORK,DCB=RECFM=FB,	00210000
	XX	SPACE=(TRK,(10,5),RLSE),DISP=(,PASS)	00220000
	***		00230000
	***		00240000
18	XXGO	EXEC PGM=LOADER,COND=((0,LT,COMPILE),(0,LT,POSTPROC)),	00250000
	XX	PARM='//TIME=&GOTIME,&GOPARM',REGION=&GOREG	00260000
19	XXSTEPLIB	DD DSN=PASCAL.PASLIB,DISP=SHR (NEEDED FOR K+ ONLY)	00270000
20	XXSYSLIN	DD DSN=*.POSTPROC.PRR,DISP=(OLD,DELETE)	00280000
21	XXSYSLOUT	DD SYSOUT=&SOUT	00290000
22	XXSYSLIB	DD DISP=SHR,DSN=PASCAL.PASLIB	00300000
23	XX	DD DISP=SHR,DSN=SYS1.FORTLIB	00310000
24	XXINPUT	DD DDNAME=SYSIN	00320000
25	XXPRD	DD DUMMY	00330000
26	XXQRD	DD DSN=*.COMPILE.QRR,DISP=(OLD,DELETE)	00340000
27	XXFT06F001	DD SYSOUT=&SOUT	00350000
28	XXOUTPUT	DD SYSOUT=&SOUT	00360000
29	XXQRR	DD UNIT=&WORK,SPACE=(TRK,(2,2))	00370000
30	XXSYSUDUMP	DD &DUMP.SYSOUT=&SOUT	00380000
	***		00390000

STMT NO. MESSAGE

4 IEF653I SUBSTITUTION JCL - PGM=PASCAL,REGION=8192K,PARM='M+'
 8 IEF653I SUBSTITUTION JCL - SYSOUT=**
 9 IEF653I SUBSTITUTION JCL - DSN=**PCODE,UNIT=VIO,DCB=RECFM=VB,
 10 IEF653I SUBSTITUTION JCL - DSN=**TABLES,UNIT=VIO,DCB=RECFM=VB,
 16 IEF653I SUBSTITUTION JCL - SYSOUT=**
 17 IEF653I SUBSTITUTION JCL - DSN=**OBJECT,UNIT=VIO,DCB=RECFM=FB,
 18 IEF653I SUBSTITUTION JCL - PARM='//TIME=299,',REGION=2048K
 21 IEF653I SUBSTITUTION JCL - SYSOUT=**
 27 IEF653I SUBSTITUTION JCL - SYSOUT=**
 28 IEF653I SUBSTITUTION JCL - SYSOUT=**
 29 IEF653I SUBSTITUTION JCL - UNIT=VIO,SPACE=(TRK,(2,2))
 30 IEF653I SUBSTITUTION JCL - DUMMY,SYSOUT=**
 30 IEF686I DDNAME REFERRED TO ON DDNAME KEYWORD IN PRIOR STEP WAS NOT RESOLVED

IEF236I ALLOC. FOR MAND#PAS COMPILE

IEF237I 280 ALLOCATED TO STEPLIB
 IEF237I 191 ALLOCATED TO SYS00010
 IEF237I 242 ALLOCATED TO INPUT
 IEF237I 290 ALLOCATED TO PRD
 IEF237I JES2 ALLOCATED TO OUTPUT
 IEF237I VIO ALLOCATED TO PRR
 IEF237I VIO ALLOCATED TO QRR

IEF142I MAND#PAS COMPILE - STEP WAS EXECUTED - COND CODE 0000

IEF285I PASCAL.PASLIB	KEPT	*-----0
IEF285I VOL SER NOS= PUB002.		
IEF285I SYS1.UCAT.MVS	KEPT	*-----0
IEF285I VOL SER NOS= MVSCAT.		
IEF285I MANDEL.TEST.SOURCE	KEPT	*-----2
IEF285I VOL SER NOS= MV0001.		
IEF285I PASCAL.PASOBJ	KEPT	*-----0
IEF285I VOL SER NOS= PUB003.		
IEF285I JES2.JOB01419.S00101	SYSOUT	
IEF285I SYS20142.T195722.RA000.MAND#PAS.PCODE	PASSED	*-----1
IEF285I SYS20142.T195722.RA000.MAND#PAS.TABLES	PASSED	*-----1

IEF373I STEP /COMPILE / START 20142.1957

IEF374I STEP /COMPILE / STOP 20142.1957 CPU OMIN 00.06SEC SRB OMIN 00.00SEC VIRT 4148K SYS 208K

 * 1. JOBSTEP OF JOB: MAND#PAS STEPNAME: COMPILE PROGRAM NAME: PASCAL EXECUTED ON 21.05.20 FROM 19.57.22 TO 19.57.22 *
 * ELAPSED TIME 00:00:00,13 CPU-IDENTIFIER: TK4- PAGE-IN: 0 *
 * CPU TIME 00:00:00,06 VIRTUAL STORAGE USED: 4148K PAGE-OUT: 0 *
 * I/O OPERATION *
 * NUMBER OF RECORDS READ VIA DD * OR DD DATA: 0 *
 * 280.....0 191.....0 242.....2 290.....0 DMY.....0 FFF.....1 FFF.....1 *
 * *
 * CHARGE FOR STEP (W/O SYSOUT): 0,10 *

IEF236I ALLOC. FOR MAND#PAS POSTPROC

IEF237I 280 ALLOCATED TO STEPLIB
 IEF237I 191 ALLOCATED TO SYS00012
 IEF237I VIO ALLOCATED TO INPUT
 IEF237I VIO ALLOCATED TO PRD
 IEF237I JES2 ALLOCATED TO OUTPUT
 IEF237I VIO ALLOCATED TO PRR

IEF142I MAND#PAS POSTPROC - STEP WAS EXECUTED - COND CODE 0000

IEF285I PASCAL.PASLIB	KEPT	*-----0
IEF285I VOL SER NOS= PUB002.		
IEF285I SYS1.UCAT.MVS	KEPT	*-----0
IEF285I VOL SER NOS= MVSCAT.		
IEF285I SYS20142.T195722.RA000.MAND#PAS.PCODE	DELETED	*-----2
IEF285I SYS20142.T195722.RA000.MAND#PAS.TABLES	PASSED	*-----2
IEF285I JES2.JOB01419.S00102	SYSOUT	
IEF285I SYS20142.T195722.RA000.MAND#PAS.OBJECT	PASSED	*-----1

```
IEF373I STEP /POSTPROC/ START 20142.1957
IEF374I STEP /POSTPROC/ STOP 20142.1957 CPU OMIN 00.04SEC SRB OMIN 00.00SEC VIRT 2064K SYS 272K
*****
* 2. JOBSTEP OF JOB: MAND#PAS STEPNAME: POSTPROC PROGRAM NAME: ASMPCODE EXECUTED ON 21.05.20 FROM 19.57.22 TO 19.57.22 *
* ELAPSED TIME 00:00:00,07 CPU-IDENTIFIER: TK4- PAGE-IN: 0 *
* CPU TIME 00:00:00,04 VIRTUAL STORAGE USED: 2064K PAGE-OUT: 0 *
* I/O OPERATION *
* NUMBER OF RECORDS READ VIA DD * OR DD DATA: 0 *
* 280.....0 191.....0 FFF.....2 FFF.....2 DMY.....0 FFF.....1 *
* *
* CHARGE FOR STEP (W/O SYSOUT): 0,06 *
*****
IEF236I ALLOC. FOR MAND#PAS GO
IEF237I 280 ALLOCATED TO STEPLIB
IEF237I 191 ALLOCATED TO SYS00014
IEF237I VIO ALLOCATED TO SYSLIN
IEF237I JES2 ALLOCATED TO SYSLOUT
IEF237I 280 ALLOCATED TO SYSLIB
IEF237I 148 ALLOCATED TO
IEF237I DMY ALLOCATED TO INPUT
IEF237I DMY ALLOCATED TO PRD
IEF237I VIO ALLOCATED TO QRD
IEF237I JES2 ALLOCATED TO FT06F001
IEF237I JES2 ALLOCATED TO OUTPUT
IEF237I VIO ALLOCATED TO QRR
IEF237I DMY ALLOCATED TO SYSUDUMP
IEF142I MAND#PAS GO - STEP WAS EXECUTED - COND CODE 0000
IEF285I PASCAL.PASLIB KEPT *-----0
IEF285I VOL SER NOS= PUB002.
IEF285I SYS1.UCAT.MVS KEPT *-----0
IEF285I VOL SER NOS= MVSCAT.
IEF285I SYS20142.T195722.RA000.MAND#PAS.OBJECT DELETED *-----2
IEF285I JES2.JOB01419.S00103 SYSOUT
IEF285I PASCAL.PASLIB KEPT *-----14
IEF285I VOL SER NOS= PUB002.
IEF285I SYS1.FORTLIB KEPT *-----1
IEF285I VOL SER NOS= MVSRES.
IEF285I SYS20142.T195722.RA000.MAND#PAS.TABLES DELETED *-----2
IEF285I JES2.JOB01419.S00104 SYSOUT
IEF285I JES2.JOB01419.S00105 SYSOUT
IEF285I SYS20142.T195722.RA000.MAND#PAS.R0000001 DELETED *-----3
IEF373I STEP /GO / START 20142.1957
IEF374I STEP /GO / STOP 20142.1957 CPU OMIN 00.16SEC SRB OMIN 00.00SEC VIRT 2052K SYS 292K
*****
* 3. JOBSTEP OF JOB: MAND#PAS STEPNAME: GO PROGRAM NAME: LOADER EXECUTED ON 21.05.20 FROM 19.57.22 TO 19.57.22 *
* ELAPSED TIME 00:00:00,22 CPU-IDENTIFIER: TK4- PAGE-IN: 0 *
* CPU TIME 00:00:00,16 VIRTUAL STORAGE USED: 2052K PAGE-OUT: 0 *
* I/O OPERATION *
* NUMBER OF RECORDS READ VIA DD * OR DD DATA: 0 *
* 280.....0 191.....0 FFF.....2 DMY.....0 280.....14 148.....1 DMY.....0 DMY.....0 FFF.....2 DMY.....0 *
* DMY.....0 FFF.....3 DMY.....0 *
* *
* CHARGE FOR STEP (W/O SYSOUT): 0,26 *
*****
IEF375I JOB /MAND#PAS/ START 20142.1957
IEF376I JOB /MAND#PAS/ STOP 20142.1957 CPU OMIN 00.26SEC SRB OMIN 00.00SEC
```

```

1      ) PROGRAM MANDELBROTSET(OUTPUT);
2      ) LABEL 99;
3      ) CONST XSIZE=131;
4      )      YSIZE=48;
5      )      MINRE=-2;
6      )      MINIM=-1;
7      )      MAXRE=1;
8      )      MAXIM=1;
9      ) VAR STEPX,STEPY,RE,IM,ZR,ZI,A,B:REAL;
10     368 1)      X,Y,N:INTEGER;
11     380 1)      STR:ARRAY[1..27] OF CHAR;
12     407 1) BEGIN
13         )      STEPX:=(MAXRE-MINRE)/XSIZE;
14         15 1)      STEPY:=(MAXIM-MINIM)/YSIZE;
15         23 1)      STR:='ABCDEFGHIJKLMNOPQRSTUVWXYZ ' ;
16         26 1)      FOR Y:=0 TO YSIZE
17         28 1)      DO BEGIN
18             35 1)          IM:=MINIM+STEPY*Y;
19             43 1)          WRITE(' ');
20             49 1)          FOR X:=0 TO XSIZE
21             51 1)          DO BEGIN
22                 58 1)              RE:=MINRE+STEPX*X;
23                 66 1)              ZR:=RE;
24                 68 1)              ZI:=IM;
25                 70 1)              FOR N:=1 TO 27
26                 72 1)              DO BEGIN
27                     79 1)                  A:=ZR*ZR;
28                     83 1)                  B:=ZI*ZI;
29                     87 1)                  IF(A+B)>4
30                     90 1)                  THEN GOTO 99;
31                     96 1)                  ZI:=ZR*ZI*2+IM;
32                     105 1)                 ZR:=A-B+RE
33                     108 1)                 END;
34                     119 1) 99:             WRITE(STR[N]:1)
35                     130 1)             END;
36                     138 1)             WRITELN
37                     138 1)             END
38                     142 1) END.
  
```

```

****      NO SYNTAX ERROR(S) DETECTED.

****      38 LINE(S) READ,      0 PROCEDURE(S) COMPILED,

****      152 P_INSTRUCTIONS GENERATED,      0.00 SECONDS IN COMPILATION.
  
```

```
****      STANFORD PASCAL POST-PROCESSOR, VERSION OF OCT.-79.  
****      NO ASSEMBLY ERROR(S) DETECTED.  
****      712 BYTES OF CODE GENERATED,  0.00 SECONDS IN POST_PROCESSING.
```

OPTIONS USED - PRINT,MAP,NOLET,CALL,RES,NOTERM,SIZE=307200,NAME=**GO

NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR
\$MAINBLK	SD	AC010	\$PASENT *	SD	AC2D8	\$PASINT *	LR	AC840	IFYVERRM*	LR	ACF0A	IHCERRM *	LR	ACF0A
IHOERRM *	LR	ACF0A	IHNERRM *	LR	ACF0A	ERRMON *	LR	ACF0A	IFYVERRE*	LR	ACF3E	IHOERRE *	LR	ACF3E
IHNERRE *	LR	ACF3E	IHCERRE *	LR	ACF3E	\$PASCSP *	LR	ACF48	\$WRADDR *	SD	AE5C0	\$IDLEN *	SD	AE770
\$GETPNAM*	SD	AE800	\$ALIGN *	SD	AE990	\$ERRMSG *	SD	AE9D8	\$TRANVA*	SD	AECE0	\$CNVTNUM*	SD	AED68
\$PRNT *	SD	AEEA8	\$IVSCAN *	SD	AFC38	\$PRNTVAR*	SD	B02B0	\$FROMLIN*	SD	B0830	\$PRNTLNK*	SD	B09D0
\$PRNTSYS*	SD	BOB90	SNAPSHOT*	SD	B1668	#MAINBLK*	SD	B1B68						
TOTAL LENGTH 5BC0														
ENTRY ADDRESS		AC2D8												

AAAAAAAAAAAAABBBBBBBBBBBCCDDDDDDDDDDDDDDDEEEEEFFGHILMIIJLKFEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBBBBBBBBBB
AAAAAAAAAAAAABBBBBBBBBBBCCDDDDDDDDDDDDDDDEEEEEFFGGHIJMWNIJGFFEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBBBBBBBB
AAAAAAAAAAAAABBBBBBBBBBBCCDDDDDDDDDDDDDDDEEEEEFFGGHHJMPTLJHGGFEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBBBBBB
AAAAAAAAAAAAABBBBBBBBBBBCCDDDDDDDDDDDDDDDEEEEEFFGHINKKNYWNJIIGFEEEEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBBBBBB
AAAAAAAAAAAAABBBBBBBBBBBCCDDDDDDDDDDDDDDDEEEEEFFFGITNZVVNRMIGFEEEEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBBBBBB
AAAAAAAAAAAAABBBBBBBCCDDDDDDDDDDDDDDDEEEEEFFFFFGGGHJLSKIGGFFEEEEEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBB
AAAAAAAAAAAAABBBBBBBCCDDDDDDDDDDDDDDDEEEFFFFFGGGGHIJPMXMIHGGFFFFFEEEEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBB
AAAAAABBBBBCCDDDDDDDDDDDDDDDEEEFGGGHHHGGGGHHIJKLQTKJIHHHGFFFFFGGFEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBB
AAAAAABBBBBCCDDDDDDDDDDDDDEEEEEFFGKMO LJIIJM RL OPPTXROONOKLQNHGGGGGHMPFEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBB
AAAAAABBBCCDDDDDDDDDDDEEEEEEEFFGGIO ZT LLPVKI IJKJJKVJIFEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBB
AAAABBBCCDDDDDDDDDEEEEEEEFFFGGIJQU SPM VYXPIGEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBB
AAAABBBCCDDDDDEEEEEEEFFFGHHIJMVW WMIHFEEDDDDDDDDDDDCCCCCCCCCBBBBBBBB
AAABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDEEEEEEEFFFGHIMLLPSQLHGFEEEDDDDDDDDDDDCCCCCCCCCBBBBB
AAABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDEFFFFFEEEEEEEEEEFFFGGHIO TQLJHGGFEEEDDDDDDDDDDDCCCCCCCCCBBBBB
AABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDEEEFJMJGFFFFFFFFFFFGGGGGGGHHIKOXJHHHFEEDDDDDDDDDDDCCCCCCCCCBBBB
AABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDEEEFFHKKHHGGGGHHJMHGGGGGGHHHIK QQRWMQGEEDDDDDDDDDDDCCCCCCCCCBBBB
AABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDEEEFFHJQKLKTJIIKTNKIIIIHHHIIKPT GFEDDDDDDDDDDDCCCCCCCCCBBBB
ABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDEEEEEEEFFGHJKR QNMMQV UO LKJIJJZLIGFFEDDDDDDDDDDDCCCCCCCCCBB
ABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDEEEEEEEFFGGGILO VOLKKLOMKHFEEDDDDDDDDDDDCCCCCCCCCBB
ACCCDDDDDDDDDDDDDDDEEEEEEEFFGGGGIJKMPUNNHFEEDDDDDDDDDDDCCCCCCCCCBB
ACDDDDDDDDDDDDDDDEEEEEEEFFGHHHIJNSRSLHGFEEDDDDDDDDDDDCCCCCCCCCBB
ACDDDDDDDDDDDDDEEEFFFFFGGHI KJJKK YXNKGFEEDDDDDDDDDDDCCCCCCCCCBB
ADDDEEDDDDDDEFFFFFGGGGIKQQQTTROIGFFEEEDDDDDDDDDDDCCCCCCCCCBB
AEEEEFFFGGIHGGGGGHHHHIJJKLOTLHGGFFEEEDDDDDDDDDDDCCCCCCCCCBB
QVNKIHGFFEEEDDDDDDDDDDDCCCCCCCCCBB
AEEEEFFFGGIHGGGGGHHHHIJJKLOTLHGGFFEEEDDDDDDDDDDDCCCCCCCCCBB
ADDDEEDDDDDDEFFFFFGGGGIKQQQTTROIGFFEEEDDDDDDDDDDDCCCCCCCCCBB
ACDDDDDDDDDDDDDEEEFFFFFGGHI KJJKK YXNKGFEEDDDDDDDDDDDCCCCCCCCCBB
ACDDDDDDDDDDDDDEEEEEEEFFGHHHIJNSRSLHGFEEDDDDDDDDDDDCCCCCCCCCBB
ACCCDDDDDDDDDDDDDDDEEEEEEEFFGGGGIJKMPUNNHFEEDDDDDDDDDDDCCCCCCCCCBB
ABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDEEEFFHJQKLKTJIIKTNKIIIIHHHIIKPT GFEDDDDDDDDDDDCCCCCCCCCBBBB
AABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDEEEFFHKKHHGGGGHHJMHGGGGGGHHHIK QQRWMQGEEDDDDDDDDDDDCCCCCCCCCBBBB
AABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDEEEFJMJGFFFFFFFFFFFGGGGGGGHHIKOXJHHHFEEDDDDDDDDDDDCCCCCCCCCBBBB
AAABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDEFFFFFEEEEEEEEEEFFFGGHIO TQLJHGGFEEEDDDDDDDDDDDCCCCCCCCCBBBB
AAABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDEEEEEEEFFFGHIMLLPSQLHGFEEEDDDDDDDDDDDCCCCCCCCCBBBBB
AAAABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDEEEEEEEFFFGGIJQU SPM VYXPIGEEDDDDDDDDDDDCCCCCCCCCBBBBBBBB
AAAAAABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDEEEEEEEFFGGIO ZT LLPVKI IJKJJKVJIFEEDDDDDDDDDDDCCCCCCCCCBBBBBBBB
AAAAAABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDEEEEEFFGKMO LJIIJM RL OPPTXROONOKLQNHGGGGGHMPFEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBB
AAAAAABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDDDEEEFGGGHHHGGGGHHIJKLQTKJIHHHGFFFFFGGFEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBB
AAAAAABBBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDDDEEEFFFFFGGGGHIJPMXMIHGGFFFFFEEEEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBB
AAAAAABBBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDDDDDEEEFFFFFGGGHJLSKIGGFFEEEEEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBB
AAAAAABBBBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDDDDDEEEEEFFFGITNZVVNRMIGFEEEEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBBBB
AAAAAABBBBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDDDDDEEEEEFFGHINKKNYWNJIIGFEEEEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBBBB
AAAAAABBBBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDDDDDEEEEEFFGGHHJMPTLJHGGFEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBBBB
AAAAAABBBBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDDDDDEEEEEFFGGHIJMWNIJGFFEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBBBB
AAAAAABBBBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDDDDDEEEEEFFGHILMIIJLKFEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBBBBBBBB

LINE #	RANGE	RUN CNT	CONSTRUCT	PAGE	1
13	- 38	1	PROCEDURE: \$MAINBLK		
17	- 38	49	FOR STMT		
21	- 35	6468	FOR STMT		
26	- 33	70297	FOR STMT		
30	- 30	4716	THEN CLAUSE		
34	- 34	6468	LABELLED STMT		

MM MM AAAAAAAAAA NN NN DDDDDDDDD ## ## P P P P P P P P P P AAAAAAAAAA SSSSSSSSSS
MMM MMM AAAAAAAAAA NNN NN DDDDDDDDD ## ## P P P P P P P P P P AAAAAAAAAA SSSSSSSSSS
MMMM MMMM AA AA NNNN NN DD DD ##### PP PP AA AA SS SS
MM MM MM MM AA AA NN NN NN DD DD ##### PP PP AA AA SS
MM MMMM MM AA AA NN NN NN DD DD ## ## PP PP AA AA SSS
MM MM MM AAAAAAAAAA NN NN NN DD DD ## ## P P P P P P P P P P AAAAAAAAAA SSSSSSSS
MM MM MM AAAAAAAAAA NN NN NN DD DD ## ## P P P P P P P P P P AAAAAAAAAA SSSSSSSS
MM MM MM AA AA NN NN NN DD DD ## ## PP AA AA SSS
MM MM MM AA AA NN NNNN DD DD ##### PP AA AA SS
MM MM MM AA AA NN NNN DD DD ##### PP AA AA SS
MM MM MM AA AA NN NN DD DDDDDDDDD ## ## PP AA AA SSSSSSSSSS
MM MM MM AA AA NN N DDDDDDDDD ## ## PP AA AA SSSSSSSSSS

JJJJJJJJJ 11 444 11 999999999 AAAAAAAAAA
JJJJJJJJJJ 111 4444 111 9999999999999 AAAAAAAAAA
JJ 1111 44 44 1111 99 99 AA AA
JJ 11 44 44 11 99 99 AA AA
JJ 11 44 44 11 99 99 AA AA
JJ 11 444444444444 11 9999999999999 AAAAAAAAAA
JJ 11 44444444444444 11 9999999999999 AAAAAAAAAA
JJ 11 44 11 99 99 AA AA
JJ JJ 11 44 11 99 99 AA AA
JJ JJ 11 44 11 99 99 AA AA
JJJJJJJJ 1111111111 44 1111111111 9999999999999 AA AA
JJJJJJ 1111111111 44 1111111111 99999999999 AA AA

****A	END	JOB 1419	MAND#PAS	ROOM	7.57.22 PM 21 MAY 20	PRINTER1	SYS TK4-	JOB 1419	END	A****
****A	END	JOB 1419	MAND#PAS	ROOM	7.57.22 PM 21 MAY 20	PRINTER1	SYS TK4-	JOB 1419	END	A****
****A	END	JOB 1419	MAND#PAS	ROOM	7.57.22 PM 21 MAY 20	PRINTER1	SYS TK4-	JOB 1419	END	A****
****A	END	JOB 1419	MAND#PAS	ROOM	7.57.22 PM 21 MAY 20	PRINTER1	SYS TK4-	JOB 1419	END	A****