

```
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 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  SSSSSSSSSS
MM      MM      AAAAAAAAAA  NN  NN  NN  DD      DD  ##  ##  P P P P P P P P P P  AAAAAAAAAA  SSSSSSSSSS
MM      MM  AA          AA  NN  NN  NN  DD      DD  ##  ##  PP      PP  AA          AA  SSS
MM      MM  AA          AA  NN  NNNN  DD      DD  ##  ##  PP      PP  AA          AA  SS
MM      MM  AA          AA  NN  NNN  DD      DD  #####  PP      PP  AA          AA  SS
MM      MM  AA          AA  NN  NN  DD      DD  #####  PP      PP  AA          AA  SS
MM      MM  AA          AA  NN  NN  DD      DD  ##  ##  PP      PP  AA          AA  SS
MM      MM  AA          AA  NN  NN  DDDDDDDDD  ##  ##  PP      PP  AA          AA  SSSSSSSSSSSS
MM      MM  AA          AA  NN  N  DDDDDDDDD  ##  ##  PP      PP  AA          AA  SSSSSSSSSS
```

```
JJJJJJJJJJ      11      3333333333      00000000      444      AAAAAAAAAA
JJJJJJJJJJ      111     333333333333      0000000000      4444     AAAAAAAAAA
JJ          1111     33          33  00      0000      44 44     AA          AA
JJ          11      33          33  00      00 00      44 44     AA          AA
JJ          11      33          33  00      00 00      44 44     AA          AA
JJ          11      3333      00      00 00      444444444444     AAAAAAAAAA
JJ          11      3333      00      00 00      444444444444     AAAAAAAAAA
JJ          11      33      00 00      00      44     AA          AA
JJ JJ        11      33      0000      00      44     AA          AA
JJ JJ        11      33      000      00      44     AA          AA
JJJJJJJJ      1111111111  333333333333      0000000000      44     AA          AA
JJJJJJ      1111111111  3333333333      00000000      44     AA          AA
```

****A	START	JOB 1304	MAND#PAS	ROOM	11.31.26	AM 17	MAY 20	PRINTER1	SYS TK4-	JOB 1304	START	A****
****A	START	JOB 1304	MAND#PAS	ROOM	11.31.26	AM 17	MAY 20	PRINTER1	SYS TK4-	JOB 1304	START	A****
****A	START	JOB 1304	MAND#PAS	ROOM	11.31.26	AM 17	MAY 20	PRINTER1	SYS TK4-	JOB 1304	START	A****
****A	START	JOB 1304	MAND#PAS	ROOM	11.31.26	AM 17	MAY 20	PRINTER1	SYS TK4-	JOB 1304	START	A****

J E S 2 J O B L O G

11.31.25 JOB 1304 IEF677I WARNING MESSAGE(S) FOR JOB MAND#PAS ISSUED
11.31.25 JOB 1304 \$HASP373 MAND#PAS STARTED - INIT 1 - CLASS A - SYS TK4-
11.31.25 JOB 1304 IEF403I MAND#PAS - STARTED - TIME=11.31.25
11.31.25 JOB 1304 IEFACTRT - STEPNAME PROCSTEP PROGRAM RETCODE
11.31.25 JOB 1304 MAND#PAS COMPILE PASCAL RC= 0000
11.31.25 JOB 1304 MAND#PAS POSTPROC ASMPCODE RC= 0000
11.31.26 JOB 1304 MAND#PAS GO LOADER RC= 0000
11.31.26 JOB 1304 IEF404I MAND#PAS - ENDED - TIME=11.31.26
11.31.26 JOB 1304 \$HASP395 MAND#PAS ENDED

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

17 MAY 20 JOB EXECUTION DATE

4 CARDS READ

307 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 1304
	//	USER=HERC01,PASSWORD=	GENERATED BY IKJEFF10
2	// EXEC PASC	CG,PARM.COMPILE='D-,K+',PARM.GO=MAP	
3	XXPASC	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	XXQRR	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 SYS00432
 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.JOB01304.S00101	SYSOUT	
IEF285I SYS20138.T113125.RA000.MAND#PAS.PCODE	PASSED	*-----1
IEF285I SYS20138.T113125.RA000.MAND#PAS.TABLES	PASSED	*-----1

IEF373I STEP /COMPILE / START 20138.1131

IEF374I STEP /COMPILE / STOP 20138.1131 CPU OMIN 00.07SEC SRB OMIN 00.00SEC VIRT 4148K SYS 244K

* 1. JOBSTEP OF JOB: MAND#PAS	STEPNAME: COMPILE	PROGRAM NAME: PASCAL	EXECUTED ON 17.05.20 FROM 11.31.25 TO 11.31.25	*
* ELAPSED TIME 24:00:00,13		CPU-IDENTIFIER: TK4-	PAGE-IN: 0	*
* CPU TIME 00:00:00,07		VIRTUAL STORAGE USED: 4148K	PAGE-OUT: 0	*
* CORR. CPU: 00:00:00,07	CPU TIME HAS BEEN CORRECTED BY 1 / 1,0 MULTIPLIER			*

* 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): 0,11
 *

IEF236I ALLOC. FOR MAND#PAS POSTPROC

IEF237I 280 ALLOCATED TO STEPLIB
 IEF237I 191 ALLOCATED TO SYS00434
 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 SYS20138.T113125.RA000.MAND#PAS.PCODE	DELETED	*-----2
IEF285I SYS20138.T113125.RA000.MAND#PAS.TABLES	PASSED	*-----2

```
IEF285I JES2.JOB01304.S00102 SYSOUT PASSED *-----1
IEF285I SYS20138.T113125.RA000.MAND#PAS.OBJECT
IEF373I STEP /POSTPROC/ START 20138.1131
IEF374I STEP /POSTPROC/ STOP 20138.1131 CPU OMIN 00.04SEC SRB OMIN 00.00SEC VIRT 2064K SYS 300K
*****
* 2. JOBSTEP OF JOB: MAND#PAS STEPNAME: POSTPROC PROGRAM NAME: ASMPCODE EXECUTED ON 17.05.20 FROM 11.31.25 TO 11.31.25 *
* ELAPSED TIME 24:00:00,07 CPU-IDENTIFIER: TK4- PAGE-IN: 0 *
* CPU TIME 00:00:00,04 VIRTUAL STORAGE USED: 2064K PAGE-OUT: 0 *
* CORR. CPU: 00:00:00,04 CPU TIME HAS BEEN CORRECTED BY 1 / 1,0 MULTIPLIER *
*
* 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 SYS00436
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 SYS20138.T113125.RA000.MAND#PAS.OBJECT DELETED *-----2
IEF285I JES2.JOB01304.S00103 SYSOUT
IEF285I PASCAL.PASLIB KEPT *-----14
IEF285I VOL SER NOS= PUB002.
IEF285I SYS1.FORTLIB KEPT *-----1
IEF285I VOL SER NOS= MVSRES.
IEF285I SYS20138.T113125.RA000.MAND#PAS.TABLES DELETED *-----2
IEF285I JES2.JOB01304.S00104 SYSOUT
IEF285I JES2.JOB01304.S00105 SYSOUT
IEF285I SYS20138.T113125.RA000.MAND#PAS.R0000001 DELETED *-----3
IEF373I STEP /GO / START 20138.1131
IEF374I STEP /GO / STOP 20138.1131 CPU OMIN 00.16SEC SRB OMIN 00.00SEC VIRT 2052K SYS 288K
*****
* 3. JOBSTEP OF JOB: MAND#PAS STEPNAME: GO PROGRAM NAME: LOADER EXECUTED ON 17.05.20 FROM 11.31.25 TO 11.31.26 *
* ELAPSED TIME 24:00:00,22 CPU-IDENTIFIER: TK4- PAGE-IN: 0 *
* CPU TIME 00:00:00,16 VIRTUAL STORAGE USED: 2052K PAGE-OUT: 0 *
* CORR. CPU: 00:00:00,16 CPU TIME HAS BEEN CORRECTED BY 1 / 1,0 MULTIPLIER *
*
* 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 20138.1131
IEF376I JOB /MAND#PAS/ STOP 20138.1131 CPU OMIN 00.27SEC 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.
```

VS LOADER

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	\$TRANSVA*	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

AAAAAAAAAAAAABBBBBBBBBBBBCCDDDDDDDDDDDDDDDEEEEEFFGHILMIIJLKFEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBBBBBBBBBB
AAAAAAAAAAAAABBBBBBBBBBBCCDDDDDDDDDDDDDDDEEEEEFFGGHIJMWNIJGFFEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBBBBBBBBBB
AAAAAAAAAAAAABBBBBBBBBBBCCDDDDDDDDDDDDDDDEEEEEFFGGHHJMPTLJHGGFEEEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBBBBBBBBBB
AAAAAAAAAAAAABBBBBBBBBBBCCDDDDDDDDDDDDDDDEEEEEFFGHINKKNYWNJIIGFEEEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBBBBBBBBBB
AAAAAAAAAAAAABBBBBBBBBBBCCDDDDDDDDDDDDDDDEEEEEFFFGITNZVVNRMIGFEEEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBBBBBBBBBB
AAAAAAAAAAAAABBBBBBBCCDDDDDDDDDDDDDDDEEEEEFFFGGGHJLSKIGGFFEEEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBBBBBB
AAAAAAAAAAAAABBBBBBBCCDDDDDDDDDDDDDDDEEEEEFFFGGGGHIJPMXMIHGGFFFFFEEEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBB
AAAAAABBBBBBCCDDDDDDDDDDDDDDDEEEFEGGGHHHGGGGHHIJKLQTKJIHHHGFFFFFEGGFEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBB
AAAAAABBBBBBCCDDDDDDDDDDDDDEEEEEFFGKMO LJIIM RL OPPTXROONOKLQNHGGGGHHMPFEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBB
AAAAAABBBBCCDDDDDDDDDDDEEEEEEEEEFFGGIO ZT LLPVKIJKJJKVJIFEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBB
AAAABBBBCCDDDDDDDDDEEEEEEEEEEEEEFFFGGIJQU SPM VYXPIGEEDDDDDDDDDDDCCCCCCCCCBBBBBBBB
AAAABBBBCCDDDDDEEEEEEEEEEEEEEEEEFFFGHHIJMVW WMIHFEEDDDDDDDDDDDCCCCCCCCCBBBBBBBB
AAABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDEEEEEEEEEEEEEEEEEEEEEFFFGHIMLLPSTQLHGFEEEDDDDDDDDDDDCCCCCCCCCBBBBBB
AAABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDEFFFEFFEEEEEEEEEEEEEEEEFFFGGHIO TQLJHGGFEEEDDDDDDDDDDDCCCCCCCCCBBBBBB
AABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDEEEFJMJGFFFFFFFFFFFGGGGGGGHHIKOXJHHHFEEDDDDDDDDDDDCCCCCCCCCBBBBBB
AABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDEEEFFHKKHHGGGGHHJMHGGGGGGGHHIK QQRWMQGEEDDDDDDDDDDDCCCCCCCCCBBBB
AABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDEEEFFHJQKLKTJIIKTNKIIIIHHHIIKPTGFEDDDDDDDDDDDCCCCCCCCCBBBB
ABCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDEEEEEEEEEFFFGHHJKR QNMMQV UO LKJIJJJZLIGFFEDDDDDDDDDDDCCCCCCCCCBBBB
ABCCDDDDDDDDDDDDDDDEEEEEEEEEFFGGGILO VOLKKLOMKHFEEDDDDDDDDDDDCCCCCCCCCBBBB
ACCCDDDDDDDDDDDDDDDEEEEEEEEEFFGGGGIJKMPUNNHFEEDDDDDDDDDDDCCCCCCCCCBBBB
ACDDDDDDDDDDDDDDDEEEEEEEEEFFGHHHIIJNSRSLHGFEEDDDDDDDDDDDCCCCCCCCCBBBB
ACDDDDDDDDDDDDDEEEFFFFFGGHI KJJKK YXNKGFEEDDDDDDDDDDDCCCCCCCCCBBBB
ADDDEEDDDDEFFFEFFFGGGGIKQQQTTROIGFEEEDDDDDDDDDDDCCCCCCCCCBBBB
AEEEEFFFGGIHGGGGGHHHHIJJKLOTLHGGFFEEEDDDDDDDDDDDCCCCCCCCCBBBB
QVNKIHGFFEEEDDDDDDDDDDDCCCCCCCCCBBBB
AEEEEFFFGGIHGGGGGHHHHIJJKLOTLHGGFFEEEDDDDDDDDDDDCCCCCCCCCBBBB
ADDDEEDDDDEFFFEFFFGGGGIKQQQTTROIGFEEEDDDDDDDDDDDCCCCCCCCCBBBB
ACDDDDDDDDDDDDDEEEFFFFFGGHI KJJKK YXNKGFEEDDDDDDDDDDDCCCCCCCCCBBBB
ACDDDDDDDDDDDDDEEEEEEEEEFFGHHHIIJNSRSLHGFEEDDDDDDDDDDDCCCCCCCCCBBBB
ACCCDDDDDDDDDDDDDDDEEEEEEEEEFFGGGGIJKMPUNNHFEEDDDDDDDDDDDCCCCCCCCCBBBB
ABCCDDDDDDDDDDDDDDDEEEEEEEEEFFGGGILO VOLKKLOMKHFEEDDDDDDDDDDDCCCCCCCCCBBBB
ABCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDEEEFFHKKHHGGGGHHJMHGGGGGGGHHIK QZLIGFFEDDDDDDDDDDDCCCCCCCCCBBBB
AABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDEEEFFHJQKLKTJIIKTNKIIIIHHHIIKPTGFEDDDDDDDDDDDCCCCCCCCCBBBB
AABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDEEEFFHKKHHGGGGHHJMHGGGGGGGHHIK QRWMQGEEDDDDDDDDDDDCCCCCCCCCBBBB
AABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDEEEFJMJGFFFFFFFFFFFGGGGGGGHHIKOXJHHHFEEDDDDDDDDDDDCCCCCCCCCBBBB
AAABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDEFFFEFFEEEEEEEEEEEEEEEEFFFGGHIO TQLJHGGFEEEDDDDDDDDDDDCCCCCCCCCBBBB
AAABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDEEEEEEEEEEEEEEEEEEEEEFFFGHIMLLPSTQLHGFEEEDDDDDDDDDDDCCCCCCCCCBBBB
AAAABBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDEEEEEEEEEEEEEEEEEFFFGGIJQU SPM VYXPIGEEDDDDDDDDDDDCCCCCCCCCBBBB
AAAAABBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDEEEEEEEEEFFGGIO ZT LLPVKIJKJJKVJIFEEDDDDDDDDDDDCCCCCCCCCBBBB
AAAAABBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDEEEEEFFGKMO LJIIM RL OPPTXROONOKLQNHGGGGHHMPFEDDDDDDDDDDDCCCCCCCCCBBBB
AAAAAABBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDEEEFEGGGHHHGGGGHHIJKLQTKJIHHHGFFFFFEGGFEDDDDDDDDDDDCCCCCCCCCBBBB
AAAAAABBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDDDEEEFFFFFGGGGHIJPMXMIHGGFFFFFEEEEEDDDDDDDDDDDCCCCCCCCCBBBB
AAAAAABBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDDDEEEEEFFFGGGHJLSKIGGFFEEEEEDDDDDDDDDDDCCCCCCCCCBBBB
AAAAAABBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDDDEEEEEFFFGITNZVVNRMIGFEEEEEDDDDDDDDDDDCCCCCCCCCBBBB
AAAAAABBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDDDEEEEEFFGHINKKNYWNJIIGFEEEEEDDDDDDDDDDDCCCCCCCCCBBBB
AAAAAABBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDDDEEEEEFFGGHHJMPTLJHGGFEEEEEDDDDDDDDDDDCCCCCCCCCBBBB
AAAAAABBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDDDEEEEEFFGGHIJMWNIJGFFEEEDDDDDDDDDDDCCCCCCCCCBBBB
AAAAAABBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDDDEEEEEFFGHILMIIJLKFEDDDDDDDDDDDCCCCCCCCCBBBB

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		

