

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 AA AA NN N DDDDDDDDD ## ## PP AA AA SSSSSSSSSS

JJJJJJJJJ 3333333333 5555555555 77777777777 AAAAAAAAAA  
JJJJJJJJJJ 33333333333 55555555555 77777777777 AAAAAAAAAA  
JJ 33 33 55 77 77 AA AA  
JJ 33 33 55 77 AA AA  
JJ 33 33 55 77 AA AA  
JJ 3333 55555555 77 AA AAAAAAAAAA  
JJ 3333 55555555 77 AA AAAAAAAAAA  
JJ 33 55 77 AA AA  
JJ JJ 33 33 55 77 AA AA  
JJ JJ 33 33 55 77 AA AA  
JJJJJJJJ 33333333333 55555555555 77 AA AA  
JJJJJJ 3333333333 5555555555 77 AA AA

****A	START	JOB	357	MAND#PAS	ROOM	6.25.38	PM	07	JUN	20	PRINTER1	SYS	TK4-	JOB	357	START	A****
****A	START	JOB	357	MAND#PAS	ROOM	6.25.38	PM	07	JUN	20	PRINTER1	SYS	TK4-	JOB	357	START	A****
****A	START	JOB	357	MAND#PAS	ROOM	6.25.38	PM	07	JUN	20	PRINTER1	SYS	TK4-	JOB	357	START	A****
****A	START	JOB	357	MAND#PAS	ROOM	6.25.38	PM	07	JUN	20	PRINTER1	SYS	TK4-	JOB	357	START	A****

J E S 2   J O B   L O G

18.25.38 JOB 357 IEF677I WARNING MESSAGE(S) FOR JOB MAND#PAS ISSUED  
18.25.38 JOB 357 \$HASP373 MAND#PAS STARTED - INIT 1 - CLASS A - SYS TK4-  
18.25.38 JOB 357 IEF403I MAND#PAS - STARTED - TIME=18.25.38  
18.25.38 JOB 357 CCI001C COMPILE /PASCAL /00:00:00.06/00:00:00/00000/ /MAND#PAS  
18.25.38 JOB 357 CCI001C XREF /PASCREF /00:00:00.04/00:00:00/00000/ /MAND#PAS  
18.25.38 JOB 357 CCI001C POSTPROC/ASMPCODE/00:00:00.04/00:00:00/00000/ /MAND#PAS  
18.25.38 JOB 357 CCI001C GO /LOADER /00:00:00.17/00:00:00/00000/ /MAND#PAS  
18.25.38 JOB 357 IEF404I MAND#PAS - ENDED - TIME=18.25.38  
18.25.38 JOB 357 \$HASP395 MAND#PAS ENDED

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

07 JUN 20 JOB EXECUTION DATE

4 CARDS READ

385 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 357
	//	USER=HERC01,PASSWORD=	GENERATED BY IKJEFF10
2	// EXEC PAXCG,	PARM.COMPILE='D-,K+',PARM.GO=MAP	
3	XXPAXCG 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	UNIT=&WORK,DSN=&&XIN,SPACE=(TRK,(19,19)),DISP=(,PASS)	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	XXXREF EXEC	PGM=PASCREF,REGION=2048K,COND=EVEN	00160000
13	XXSTEPLIB DD	DISP=SHR,DSN=PASCAL.PASLIB	00170000
14	XXINPUT DD	DISP=(OLD,DELETE),DSN=*.COMPILE.OUTPUT	00180000
15	XXOUTPUT DD	SYSOUT=&SOUT	00190000
	***		00200000
	***		00210000
16	XXPOSTPROC EXEC	PGM=ASMPCODE,COND=(0,LT,COMPILE),REGION=2048K	00220000
17	XXSTEPLIB DD	DSN=PASCAL.PASLIB,DISP=SHR	00230000
18	XXINPUT DD	DSN=*.COMPILE.PRR,DISP=(OLD,DELETE)	00240000
19	XXPRD DD	DSN=*.COMPILE.QRR,DISP=(OLD,PASS)	00250000
20	XXOUTPUT DD	SYSOUT=&SOUT	00260000
21	XXPRR DD	DSN=&&OBJECT,UNIT=&WORK,DCB=RECFM=FB,	00270000
	XX	SPACE=(TRK,(10,5),RLSE),DISP=(,PASS)	00280000
	***		00290000
	***		00300000
22	XXGO EXEC	PGM=LOADER,COND=((0,LT,COMPILE),(0,LT,POSTPROC)),	00310000
	XX	PARM='//TIME=&GOTIME,&GOPARM',REGION=&GOREG	00320000
23	XXSTEPLIB DD	DSN=PASCAL.PASLIB,DISP=SHR (NEEDED FOR K+ ONLY)	00330000
24	XXSYSLIN DD	DSN=*.POSTPROC.PRR,DISP=(OLD,DELETE)	00340000
25	XXSYSLOUT DD	SYSOUT=&SOUT	00350000
26	XXSYSLIB DD	DISP=SHR,DSN=PASCAL.PASLIB	00360000
27	XX DD	DISP=SHR,DSN=SYS1.FORTLIB	00370000
28	XXINPUT DD	DDNAME=SYSIN	00380000
29	XXPRD DD	DUMMY	00390000
30	XXQRD DD	DSN=*.COMPILE.QRR,DISP=(OLD,DELETE)	00400000
31	XXFT06F001 DD	SYSOUT=&SOUT	00410000
32	XXOUTPUT DD	SYSOUT=&SOUT	00420000
33	XXQRR DD	UNIT=&WORK,SPACE=(TRK,(2,2))	00430000
34	XXSYSUDUMP DD	&DUMP.SYSOUT=&SOUT	00440000
	***		00450000

## STMT NO. MESSAGE

```
4 IEF653I SUBSTITUTION JCL - PGM=PASCAL,REGION=8192K,PARM='M+'
8 IEF653I SUBSTITUTION JCL - UNIT=VIO,DSN=XXIN,SPACE=(TRK,(19,19)),DISP=(,PASS)
9 IEF653I SUBSTITUTION JCL - DSN=XXPCODE,UNIT=VIO,DCB=RECFM=VB,
10 IEF653I SUBSTITUTION JCL - DSN=XXTABLES,UNIT=VIO,DCB=RECFM=VB,
15 IEF653I SUBSTITUTION JCL - SYSOUT=*
20 IEF653I SUBSTITUTION JCL - SYSOUT=*
21 IEF653I SUBSTITUTION JCL - DSN=XXOBJECT,UNIT=VIO,DCB=RECFM=FB,
22 IEF653I SUBSTITUTION JCL - PARM='//TIME=299,',REGION=2048K
25 IEF653I SUBSTITUTION JCL - SYSOUT=*
31 IEF653I SUBSTITUTION JCL - SYSOUT=*
32 IEF653I SUBSTITUTION JCL - SYSOUT=*
33 IEF653I SUBSTITUTION JCL - UNIT=VIO,SPACE=(TRK,(2,2))
34 IEF653I SUBSTITUTION JCL - DUMMY,SYSOUT=*
34 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 SYS00002
IEF237I 242 ALLOCATED TO INPUT
IEF237I 290 ALLOCATED TO PRD
IEF237I VIO 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 SYS20159.T182538.RA000.MAND#PAS.XIN PASSED *-----1
IEF285I SYS20159.T182538.RA000.MAND#PAS.PCODE PASSED *-----1
IEF285I SYS20159.T182538.RA000.MAND#PAS.TABLES PASSED *-----1
IEF373I STEP /COMPILE / START 20159.1825
IEF374I STEP /COMPILE / STOP 20159.1825 CPU OMIN 00.06SEC SRB OMIN 00.00SEC VIRT 4148K SYS 252K
**** JOBCARD READ 20159 18:25:38 ****
* PRC-CCI 370/033 VS2 R03.8 TK4- STEP STATISTICS *
* STEP NAME COMPILE USER CORE 4148K TAPES USED/IO 000/000000000 START TIME 18:25:38 TCB TIME 00:00:00.06 *
* PGM NAME PASCAL SYSTEM CORE 252K DISKS USED/IO 004/000000002 STOP TIME 18:25:38 SRB TIME 00:00:00.00 *
* COND CODE 0000 PRIVATE AREA SZ 8192K ALLOC TIME 18:25:38 ELAPSED TIME 00:00:00 PGM LOAD 18:25:38 *
** PGNO * NR SRV UNITS * ACTIVE TIME *** PAGES IN *** PAGES OUT * # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
* 004 956 00:00:00.08 2 0 0 0 0 0 0 0 0 6 *
***** VIO IO 000000003 *****
* CPU $ ( 0.02) + EXCP $ ( 0.00) + MEMORY $ ( 0.70) = TOTAL $ ( 0.72) *
*****
IEF236I ALLOC. FOR MAND#PAS XREF
IEF237I 280 ALLOCATED TO STEPLIB
IEF237I 191 ALLOCATED TO SYS00004
IEF237I VIO ALLOCATED TO INPUT
IEF237I JES2 ALLOCATED TO OUTPUT
IEF142I MAND#PAS XREF - 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 SYS20159.T182538.RA000.MAND#PAS.XIN DELETED *-----2
IEF285I JES2.JOB00357.S00101 SYSOUT
IEF373I STEP /XREF / START 20159.1825
IEF374I STEP /XREF / STOP 20159.1825 CPU OMIN 00.04SEC SRB OMIN 00.00SEC VIRT 2048K SYS 272K
*****
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* PRC-CCI 370/033 VS2 R03.8 TK4- STEP STATISTICS *
* STEP NAME XREF USER CORE 2048K TAPES USED/IO 000/000000000 START TIME 18:25:38 TCB TIME 00:00:00.04 *
* PGM NAME PASCREF SYSTEM CORE 272K DISKS USED/IO 002/000000000 STOP TIME 18:25:38 SRB TIME 00:00:00.00 *
* COND CODE 0000 PRIVATE AREA SZ 2048K ALLOC TIME 18:25:38 ELAPSED TIME 00:00:00 PGM LOAD 18:25:38 *
** PGNO * NR SRV UNITS * ACTIVE TIME *** PAGES IN *** PAGES OUT * # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
* 004 436 00:00:00.05 0 0 0 0 0 0 0 0 0 0 *
***** VIO IO 000000002 *****
* CPU $ ( 0.01) + EXCP $ ( 0.00) + MEMORY $ ( 0.23) = TOTAL $ ( 0.24) *
*****
IEF236I ALLOC. FOR MAND#PAS POSTPROC
IEF237I 280 ALLOCATED TO STEPLIB
IEF237I 191 ALLOCATED TO SYS00006
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 SYS20159.T182538.RA000.MAND#PAS.PCODE DELETED *-----2
IEF285I SYS20159.T182538.RA000.MAND#PAS.TABLES PASSED *-----2
IEF285I JES2.JOB00357.S00102 SYSOUT
IEF285I SYS20159.T182538.RA000.MAND#PAS.OBJECT PASSED *-----1
IEF373I STEP /POSTPROC/ START 20159.1825
IEF374I STEP /POSTPROC/ STOP 20159.1825 CPU OMIN 00.04SEC SRB OMIN 00.00SEC VIRT 2064K SYS 292K
*****
* PRC-CCI 370/033 VS2 R03.8 TK4- STEP STATISTICS *
* STEP NAME POSTPROC USER CORE 2064K TAPES USED/IO 000/000000000 START TIME 18:25:38 TCB TIME 00:00:00.04 *
* PGM NAME ASMPCODE SYSTEM CORE 292K DISKS USED/IO 002/000000000 STOP TIME 18:25:38 SRB TIME 00:00:00.00 *
* COND CODE 0000 PRIVATE AREA SZ 2048K ALLOC TIME 18:25:38 ELAPSED TIME 00:00:00 PGM LOAD 18:25:38 *
** PGNO * NR SRV UNITS * ACTIVE TIME *** PAGES IN *** PAGES OUT * # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
* 004 409 00:00:00.05 0 0 0 0 0 0 0 0 0 2 *
***** VIO IO 000000005 *****
* CPU $ ( 0.01) + EXCP $ ( 0.00) + MEMORY $ ( 0.23) = TOTAL $ ( 0.24) *
*****
IEF236I ALLOC. FOR MAND#PAS GO
IEF237I 280 ALLOCATED TO STEPLIB
IEF237I 191 ALLOCATED TO SYS00008
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 SYS20159.T182538.RA000.MAND#PAS.OBJECT DELETED *-----2
IEF285I JES2.JOB00357.S00103 SYSOUT
IEF285I PASCAL.PASLIB KEPT *-----14
IEF285I VOL SER NOS= PUB002.
IEF285I SYS1.FORTLIB KEPT *-----1
IEF285I VOL SER NOS= MVSRES.
IEF285I SYS20159.T182538.RA000.MAND#PAS.TABLES DELETED *-----2
IEF285I JES2.JOB00357.S00104 SYSOUT
IEF285I JES2.JOB00357.S00105 SYSOUT
IEF285I SYS20159.T182538.RA000.MAND#PAS.R0000001 DELETED *-----3

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```
IEF373I STEP /GO / START 20159.1825
IEF374I STEP /GO / STOP 20159.1825 CPU OMIN 00.17SEC SRB OMIN 00.00SEC VIRT 2052K SYS 292K
*****
* PRC-CCI 370/033 VS2 R03.8 TK4- STEP STATISTICS *
* STEP NAME GO USER CORE 2052K TAPES USED/IO 000/000000000 START TIME 18:25:38 TCB TIME 00:00:00.17 *
* PGM NAME LOADER SYSTEM CORE 292K DISKS USED/IO 003/000000015 STOP TIME 18:25:38 SRB TIME 00:00:00.00 *
* COND CODE 0000 PRIVATE AREA SZ 2048K ALLOC TIME 18:25:38 ELAPSED TIME 00:00:00 PGM LOAD 18:25:38 *
** PGNO * NR SRV UNITS * ACTIVE TIME *** PAGES IN *** PAGES OUT * # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
* 004 1696 00:00:00.19 0 0 0 0 0 0 0 0 0 0 2 *
***** VIO IO 000000007 *****
* CPU $ ( 0.06) + EXCP $ ( 0.02) + MEMORY $ ( 0.99) = TOTAL $ ( 1.07) *
*****
IEF375I JOB /MAND#PAS/ START 20159.1825
IEF376I JOB /MAND#PAS/ STOP 20159.1825 CPU OMIN 00.31SEC SRB OMIN 00.00SEC
```

```

1      ) PROGRAM MANDELBROTSET(OUTPUT);
2      ) CONST XSIZE=131;
3      )      YSIZE=48;
4      )      MAXIT=27;
5      ) VAR STR:ARRAY[1..MAXIT] OF CHAR;
6      331 1)
7      331 1)  PROCEDURE MANDELBROT(MINRE,MINIM,MAXRE,MAXIM:REAL);
8      )      LABEL 99;
9      )      VAR STEPX,STEPY,RE,IM,ZR,ZI,A,B:REAL;
10     176 2)      X,Y,N:INTEGER;
11     188 2)  BEGIN
12     )      STEPX:=(MAXRE-MINRE)/XSIZE;
13     9    2)      STEPY:=(MAXIM-MINIM)/YSIZE;
14     16   2)      FOR Y:=0 TO YSIZE
15     18   2)      DO BEGIN
16     25   2)          IM:=MINIM+STEPY*Y;
17     32   2)          WRITE(' ');
18     38   2)          FOR X:=0 TO XSIZE
19     40   2)          DO BEGIN
20     47   2)              RE:=MINRE+STEPX*X;
21     54   2)              ZR:=RE;
22     56   2)              ZI:=IM;
23     58   2)              FOR N:=1 TO MAXIT
24     60   2)              DO BEGIN
25     67   2)                  A:=ZR*ZR;
26     71   2)                  B:=ZI*ZI;
27     75   2)                  IF(A+B)>4
28     78   2)                  THEN GOTO 99;
29     84   2)                  ZI:=ZR*ZI*2+IM;
30     93   2)                  ZR:=A-B+RE;
31     96   2)              END;
32     107 2)      99:  WRITE(STR[N]:1)
33     118 2)          END;
34     126 2)      WRITELN
35     126 2)      END
36     130 2)      END;
37     139 2)
38     ) BEGIN
39     )      STR:='ABCDEFGHIJKLMNOPQRSTUVWXYZ ';
40     10   1)  MANDELBROT(-2,-1,1,1)
41     21   1)  END.
  
```

```

**** NO SYNTAX ERROR(S) DETECTED.
**** 41 LINE(S) READ, 1 PROCEDURE(S) COMPILED,
**** 163 P_INSTRUCTIONS GENERATED, 0.00 SECONDS IN COMPILATION.
  
```

CROSS REFERENCE OF IDENTIFIERS, LABEL DECLARATIONS AND GOTO STATEMENTS:

A	9	25	27	30			
ARRAY	5						
B	9	26	27	30			
BEGIN	11	15	19	24	38		
CHAR	5						
CONST	2						
DO	15	19	24				
END	31	33	35	36	41		
FOR	14	18	23				
GOTO	28						
IF	27						
IM	9	16	22	29			
INTEGER	10						
LABEL	8						
MAXIT	4	5	23				
MAXIM	7	13					
MAXRE	7	12					
MINIM	7	13	16				
MINRE	7	12	20				
N	10	23	32				
OF	5						
OUTPUT	1						
PROCEDURE	7						
PROGRAM	1						
RE	9	20	21	30			
REAL	7	9					
STEPX	9	12	20				
STEPLY	9	13	16				
STR	5	32	39				
THEN	28						
TO	14	18	23				
VAR	5	9					
WRITE	17	32					
WRITELN	34						
X	10	18	20				
Y	10	14	16				
ZI	9	22	26	26	29	29	
ZR	9	21	25	25	29	30	
MANDELBROT	1	7	40				
XSIZE	2	12	18				
YSIZE	3	13	14				

LIST OF PROCEDURES AND FUNCTIONS:

PROGRAM 1

# OF IDENTIFIERS: 41, # OF OCCURENCES: 106, # OF PROCEDURES: 1.



```
****      STANFORD PASCAL POST-PROCESSOR, VERSION OF OCT.-79.  
****      NO ASSEMBLY ERROR(S) DETECTED.  
****      848 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
MANDE001	SD	AC010	\$MAINBLK	SD	AC270	\$PASENT *	SD	AC360	\$PASINT *	LR	AC8C8	IFYVERRM*	LR	ACF92
IHCERRM *	LR	ACF92	IHOERRM *	LR	ACF92	IHNERRM *	LR	ACF92	ERRMON *	LR	ACF92	IFYVERRE*	LR	ACFC6
IHOERRE *	LR	ACFC6	IHNERRE *	LR	ACFC6	IHCERRE *	LR	ACFC6	\$PASCSP *	LR	ACFD0	\$WRADDR *	SD	AE648
\$IDLEN *	SD	AE7F8	\$GETPNAM*	SD	AE888	\$ALIGN *	SD	AEA18	\$ERRMSG *	SD	AEA60	\$TRANSPA*	SD	AED68
\$CNVTNUM*	SD	AEDF0	\$PRNT *	SD	AEF30	\$IVSCAN *	SD	AFCC0	\$PRNTVAR*	SD	B0338	\$FROMLIN*	SD	B08B8
\$PRNTLNK*	SD	B0A58	\$PRNTSYS*	SD	B0C18	SNAPSHOT*	SD	B16F0	#MAINBLK*	SD	B1BF0			
TOTAL LENGTH		5C48												
ENTRY ADDRESS		AC360												

AAAAAAAAAAAAAABBBBBBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDDDEEEEEEEFGGHIJMNJIGFFEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBB			
AAAAAAAAAAABBBBBBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDDDEEEEEEEFGHHJMPTLJHGGFEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBB			
AAAAAAAAAABBBBBBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDDDEEEEEEEFGHINKKNYWNJIIGFEEEEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBB			
AAAAAAAAAABBBBBBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDDDEEEEEEFFFGITNZVVNRMIGFEEEEEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBB			
AAAAAAAAAABBBBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDDDEEEEEFFFFFGGGHJLSKIGGFEEEEEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBB			
AAAAAABBBBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDDDEEEFFFFFFFGGGGHIJPXMIHGFFFFFFFFEEEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBB			
AAAAAABBBBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDDDEEEFGGGHHHGGGGHHIJKLQTKJIHHHGFFFFFFFFFGGFEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBB			
AAAAABBBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDDDDDEEEEFMGMO LJJIM RL OPPTXROONOKLQNHGGGGGHMHPFEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBB			
AAAAABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDDDEEEEEEEEFFGGIOZT LLPVKIIJKJKJVJIFEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBB			
AAAABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDDDEEEEEEEEFFFGGIJQUSSPMVYXPIGEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBB			
AAAABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDEEEEEEEEFFFGHHIJMVWWMIHFEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBB			
AAABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDEEEEEEEEFFFGHIMLLPSQLHGFEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBB			
AAABBBCCCCCCCCCCCCCCCCCCCCCCCCCCCCDDDDDEFEEEEEEEEEEEFFFGGHIO TQLJHGGFEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBB			
AABBCCCCCCCCCCCCCCCCDDDDDDDEEEMJMJGFFFFFFFFFGGGGGGGHHIKOXLJHHHFEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBB			
AABCCCCCCCCCCCCDDDDDDDDDEEEFFHKKHGGGGHHJMHGGGGGGHHHIK QRWMMQGEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBB			
AABCCCCCCCCDDDDDDDDDDDEEEEFFFHJQKLKTJIIKTNKIIIIHHHIIKP T GFEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBB			
ABCCCCDDDDDDDDDDDDDEEEEEEEFFGHJQRNMQV UO LKJIJJJZLIGFFEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBB			
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LINE #	RANGE	RUN CNT	CONSTRUCT	PAGE	1
12	- 36	1	PROCEDURE: MANDELBROT		
15	- 36	49	FOR STMT		
19	- 33	6468	FOR STMT		
24	- 31	70297	FOR STMT		
28	- 28	4716	THEN CLAUSE		
32	- 32	6468	LABELLED STMT		
39	- 41	1	PROCEDURE: \$MAINBLK		

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 DDDDDDDDD ## ## PP AA AA SSSSSSSSSS  
MM MM MM AA AA NN N DDDDDDDDD ## ## PP AA AA SSSSSSSSSS

JJJJJJJJJ 3333333333 5555555555 77777777777 AAAAAAAAAA  
JJJJJJJJJJ 33333333333 55555555555 77777777777 AAAAAAAAAA  
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JJ 33 33 55 77 77 AA AA  
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****A	END	JOB	357	MAND#PAS	ROOM	6.25.38	PM	07	JUN	20	PRINTER1	SYS	TK4-	JOB	357	END	A****
****A	END	JOB	357	MAND#PAS	ROOM	6.25.38	PM	07	JUN	20	PRINTER1	SYS	TK4-	JOB	357	END	A****
****A	END	JOB	357	MAND#PAS	ROOM	6.25.38	PM	07	JUN	20	PRINTER1	SYS	TK4-	JOB	357	END	A****
****A	END	JOB	357	MAND#PAS	ROOM	6.25.38	PM	07	JUN	20	PRINTER1	SYS	TK4-	JOB	357	END	A****