

JES2 JOB LOG

```
11.47.24 JOB
             402
                  IEF677I WARNING MESSAGE(S) FOR JOB MAND#PAS ISSUED
11.47.24 JOB
             402 $HASP373 MAND#PAS STARTED - INIT 1 - CLASS A - SYS TK4-
11.47.24 JOB
             402 IEF403I MAND#PAS - STARTED - TIME=11.47.24
             402 CCI001C COMPILE /PASCAL /00:00:00.06/00:00:00/00000/
11.47.24 JOB
                                                                              /MAND#PAS
                                 /PASCREF /00:00:00.05/00:00:00/00000/
11.47.24 JOB
             402 CCI001C XREF
                                                                              /MAND#PAS
11.47.24 JOB
             402 CCI001C POSTPROC/ASMPCODE/00:00:00.04/00:00:00/00000/
                                                                              /MAND#PAS
11.47.27 JOB 402 CCI001C GO
                                /LOADER /00:00:02.21/00:00:02/00000/
                                                                              /MAND#PAS
11.47.27 JOB 402 IEF404I MAND#PAS - ENDED - TIME=11.47.27
11.47.27 JOB 402 $HASP395 MAND#PAS ENDED
```

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

08 JUN 20 JOB EXECUTION DATE

51 CARDS READ

1,554 SYSOUT PRINT RECORDS

O SYSOUT PUNCH RECORDS

0.04 MINUTES EXECUTION TIME

```
402
       //MAND#PAS JOB CLASS=A.MSGCLASS=A.MSGLEVEL=(1,1).NOTIFY=HERC01.
                                                                                   J0B
                      USER=HERCO1, PASSWORD=
                                                     GENERATED BY IKJEFF10
       //
       // EXEC PAXCG, PARM. COMPILE= 'D-, K+', PARM. GO=MAP
       XXPAXCG PROC GOTIME=299, GOPARM=, GOREG=2048K, DUMP='DUMMY,',
                                                                                   00010000
                       SOUT='*'.WORK=VIO.OPT='M+' 1..72 MARGINS
                                                                                   00020000
       XX
                                                                                   00030000
       ***
                                                                                   00040000
       ***
       XXCOMPILE EXEC PGM=PASCAL, REGION=8192K, PARM='&OPT'
                                                                                   00050000
                       DSN=PASCAL.PASLIB,DISP=SHR
       XXSTEPLIB
                  DD
                                                                                   00060000
       XXINPUT
                   DD
                       DDNAME=SYSIN
                                                                                   00070000
                      DSN=PASCAL.PASOBJ(PASMSG),DISP=SHR
       XXPRD
                   DD
                                                                                   00080000
       XXOUTPUT
                       UNIT=&WORK.DSN=&&XIN.SPACE=(TRK.(19.19)).DISP=(.PASS)
                                                                                   00090000
                      DSN=&&PCODE,UNIT=&WORK,DCB=RECFM=VB,
       XXPRR
                   DD
                                                                                   00100000
       XX
                       SPACE=(TRK, (20,5), RLSE), DISP=(,PASS)
                                                                                   00110000
10
       XXQRR
                   DD DSN=&&TABLES,UNIT=&WORK,DCB=RECFM=VB,
                                                                                   00120000
                       SPACE=(TRK, (5,2), RLSE), DISP=(,PASS)
                                                                                   00130000
       XX
       ***
                                                                                   00140000
                                                                                   00150000
       ***
       //SYSIN DD *
12
                EXEC
                                                                                   00160000
       XXXREF
                       PGM=PASCREF, REGION=2048K, COND=EVEN
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
       XXPOSTPROC EXEC PGM=ASMPCODE, COND=(0, LT, COMPILE), REGION=2048K
                                                                                   00220000
17
       XXSTEPLIB
                  DD
                       DSN=PASCAL.PASLIB.DISP=SHR
                                                                                   00230000
18
                       DSN=*.COMPILE.PRR.DISP=(OLD.DELETE)
                                                                                   00240000
       XXINPUT
                   DD
19
                   DD
                      DSN=*.COMPILE.QRR.DISP=(OLD.PASS)
                                                                                   00250000
       XXPRD
20
       XXOUTPUT
                   DD
                      SYSOUT=&SOUT
                                                                                   00260000
                      DSN=&&OBJECT,UNIT=&WORK,DCB=RECFM=FB,
21
       XXPRR
                   DD
                                                                                   00270000
       XX
                       SPACE=(TRK, (10.5), RLSE), DISP=(,PASS)
                                                                                   00280000
                                                                                   00290000
       ***
                                                                                   00300000
       ***
       XXGO
                                                                                   00310000
22
                 EXEC
                       PGM=LOADER, COND=((0,LT,COMPILE),(0,LT,POSTPROC)),
       XX
                       PARM='//TIME=&GOTIME,&GOPARM',REGION=&GOREG
                                                                                   00320000
23
       XXSTEPLIB
                       DSN=PASCAL.PASLIB, DISP=SHR (NEEDED FOR K+ ONLY)
                                                                                   00330000
24
25
       XXSYSLIN
                   DD
                       DSN=*.POSTPROC.PRR.DISP=(OLD.DELETE)
                                                                                   00340000
       XXSYSLOUT
                  DD
                       SYSOUT=&SOUT
                                                                                   00350000
26
                      DISP=SHR.DSN=PASCAL.PASLIB
       XXSYSLIB
                   DD
                                                                                   00360000
27
       XX
                   DD
                       DISP=SHR, DSN=SYS1.FORTLIB
                                                                                   00370000
28
29
                       DDNAME=SYSIN
       XXINPUT
                   DD
                                                                                   00380000
       XXPRD
                   DD
                       DUMMY
                                                                                   00390000
30
                   DD
                       DSN=*.COMPILE.QRR.DISP=(OLD.DELETE)
       XXQRD
                                                                                   00400000
31
32
       XXFT06F001 DD
                       SYSOUT=&SOUT
                                                                                   00410000
                   DD
                       SYSOUT=&SOUT
                                                                                   00420000
       XXOUTPUT
33
       XXQRR
                   DD
                      UNIT=&WORK, SPACE=(TRK, (2,2))
                                                                                   00430000
       XXSYSUDUMP DD
                       &DUMP.SYSOUT=&SOUT
                                                                                   00440000
                                                                                   00450000
       ***
```

```
STMT NO. MESSAGE
          IEF653I SUBSTITUTION JCL - PGM=PASCAL,REGION=8192K,PARM='M+'
          IEF653I SUBSTITUTION JCL - UNIT=VIO,DSN=&&XIN,SPACE=(TRK,(19,19)),DISP=(,PASS)
          IEF653I SUBSTITUTION JCL - DSN=&&PCODE,UNIT=VIO,DCB=RECFM=VB, IEF653I SUBSTITUTION JCL - DSN=&&TABLES,UNIT=VIO,DCB=RECFM=VB,
          IEF653I SUBSTITUTION JCL - SYSOUT=*
          IEF653I SUBSTITUTION JCL - SYSOUT=*
         IEF653I SUBSTITUTION JCL - DSN=&&OBJECT,UNIT=VIO,DCB=RECFM=FB, IEF653I SUBSTITUTION JCL - PARM='//TIME=299,',REGION=2048K
          IEF653I SUBSTITUTION JCL - SYSOUT=*
   25
          IEF653I SUBSTITUTION JCL - SYSOUT=*
         IEF653I SUBSTITUTION JCL - SYSOUT=*
IEF653I SUBSTITUTION JCL - UNIT=VIO,SPACE=(TRK,(2,2))
          IEF653I SUBSTITUTION JCL - DUMMY,SYSOUT=*
          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 SYS00232
IEF237I JES2 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
          PASCAL.PASLIB
IEF285I
          VOL SER NOS= PUB002.
IEF285I
                                                      KEPT *----0
          SYS1.UCAT.MVS
IEF285I
          VOL SER NOS= MVSCAT.
IEF285I
          JES2.J0B00402.SI0101
IEF285I
                                                      SYSIN
IEF285I
         PASCAL.PASOBJ
                                                      KEPT
          VOL SER NOS= PUB003.
IEF285I
          SYS20160.T114724.RA000.MAND#PAS.XIN
                                                      PASSED
IEF285I
          SYS20160.T114724.RA000.MAND#PAS.PCODE
IEF285I
                                                      PASSED
         SYS20160.T114724.RA000.MAND#PAS.TABLES
IEF285I
                                                      PASSED
IEF373I STEP /COMPILE / START 20160.1147
IEF374I STEP /COMPILE / STOP 20160.1147 CPU OMIN 00.06SEC SRB OMIN 00.00SEC VIRT 4092K SYS 280K
PRC-CCI 370/033 VS2 R03.8 TK4- STEP STATISTICS
                                           4092K TAPES USED/IO 000/00000000 START TIME 11:47:24
  STEP NAME COMPILE
                         USER CORE
                                                                                                          TCB TIME 00:00:00.06
* PGM NAME PASCAL SYSTEM CORE 280K DISKS USED/IO 003/000000000 STOP TIME 11:47:24 SRB TIME 00:00:00.00 *

* COND CODE 0000 PRIVATE AREA SZ 8192K ALLOC TIME 11:47:24 ELAPSED TIME 00:00:00 PGM LOAD 11:47:24 *

** PGNO * NR SRV UNITS * ACTIVE TIME *** PAGES IN *** PAGES OUT * # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **

* 004 963 00:00:00.07 0 0 0 0 0 0 6 *
IEF236I ALLOC. FOR MAND#PAS XREF
IEF237I 280 ALLOCATED TO STEPLIB
IEF237I 191 ALLOCATED TO SYS00234
IEF237I VIO ALLOCATED TO INPUT
IEF237I JES2 ALLOCATED TO OUTPUT
IEF142I MAND#PAS XREF - STEP WAS EXECUTED - COND CODE 0000
         PASCAL.PASLIB
IEF285I
                                                      KEPT
         VOL SER NOS= PUB002.
IEF285I
                                                      KEPT
IEF285I
          SYS1.UCAT.MVS
         VOL SER NOS= MVSCAT.
SYS20160.T114724.RA000.MAND#PAS.XIN
DELETED
SYSOUT
IEF285I
                                                               *----3
IEF285I
IEF285I
IEF373I STEP /XREF
                   / START 20160.1147
                    / STOP 20160.1147 CPU OMIN 00.05SEC SRB OMIN 00.00SEC VIRT 2048K SYS
IEF374I STEP /XREF
                                                                                                  252K
```

PRC-CCI 370/033 VS2 R03.8 TK4- STEP STATISTICS

```
STEP NAME XREF
               USER CORE
                                    2048K TAPES USED/IO 000/00000000 START
                                                                         TIME 11:47:24
                                                                                        TCB TIME 00:00:00.05
                   SYSTEM CORE 252K DISKS USED/IO 002/00000000 STOP TIME 11:47:24 PRIVATE AREA SZ 2048K ALLOC TIME 11:47:24 ELAPSED TIME 00:00:00
  PGM NAME PASCREF
                                                                                         SRB TIME 00:00:00.00
   COND CODE 0000
                                                                                       PGM LOAD 11:47:24
** PGNO * NR SRV UNITS * ACTIVE TIME *** PAGES IN *** PAGES OUT * # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
  004 479 00:00:00.05 0 0 0 0 0
* CPU $ ( 0.01) + EXCP $ ( 0.00) + MEMORY $ ( 0.29) = TOTAL $ ( 0.30)
IEF236I ALLOC. FOR MAND#PAS POSTPROC
IEF237I 280 ALLOCATED TO STEPLIB
IEF237I 191 ALLOCATED TO SYS00236
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
IEF285I
        VOL SER NOS= PUB002.
IEF285I
        SYS1.UCAT.MVS
                                             KEPT
IEF285I
        VOL SER NOS= MVSCAT.
        SYS20160.T114724.RA000.MAND#PAS.PCODE
                                             DELETED
IEF285I
                                          PASSED
IEF285I
       SYS20160.T114724.RA000.MAND#PAS.TABLES
IEF285I
        JES2.J0B00402.S00103
                                             SYSOUT
        SYS20160.T114724.RA000.MAND#PAS.OBJECT
IEF285I
                                           PASSED
                                                         *----1
IEF373I STEP /POSTPROC/ START 20160.1147
IEF374I STEP /POSTPROC/ STOP 20160.1147 CPU OMIN 00.04SEC SRB OMIN 00.00SEC VIRT 2064K SYS 272K
PRC-CCI 370/033 VS2 R03.8 TK4- STEP STATISTICS
* STEP NAME POSTPROC USER CORE 2064K TAPES USED/IO 000/00000000 START TIME 11:47:24 TCB TIME 00:00:00.04 *

* PGM NAME ASMPCODE SYSTEM CORE 272K DISKS USED/IO 002/000000000 STOP TIME 11:47:24 SRB TIME 00:00:00.00 *

* COND CODE 0000 PRIVATE AREA SZ 2048K ALLOC TIME 11:47:24 ELAPSED TIME 00:00:00 PGM LOAD 11:47:24 *

** PGNO * NR SRV UNITS * ACTIVE TIME *** PAGES IN *** PAGES OUT * # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
  004 420 00:00:00.05 0 0 0 0 0
* 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 SYS00238
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.
                                             KEPT *----0
IEF285I
        SYS1.UCAT.MVS
IEF285I
        VOL SER NOS= MVSCAT.
IEF285I
        SYS20160.T114724.RA000.MAND#PAS.OBJECT
                                                         *----2
                                             DELETED
IEF285I
        JES2.J0B00402.S00104
                                             SYSOUT
IEF285I
        PASCAL.PASLIB
                                             KEPT
                                                         *----14
IEF285I
        VOL SER NOS= PUB002.
IEF285I
        SYS1.FORTLIB
                                             KEPT *----1
IEF285I
        VOL SER NOS= MVSRES.
        SYS20160.T114724.RA000.MAND#PAS.TABLES
IEF285I
                                             DELETED
IEF285I
        JES2.J0B00402.S00105
                                             SYSOUT
        JES2.J0B00402.S00106
IEF285I
                                             SYSOUT
IEF285I
        SYS20160.T114724.RA000.MAND#PAS.R0000001
                                             DELETED
IEF373I STEP /GO / START 20160.1147
```

IEF374I STEP /GO / STOP 20160.1147 CPU OMIN 02.21SEC SRB OMIN 00.00SEC VIRT 2052K SYS 316K PRC-CCI 370/033 VS2 RO3.8 TK4- STEP STATISTICS * STEP NAME GO USER CORE 2052K TAPES USED/IO 000/00000000 START TIME 11:47:24 * PGM NAME LOADER SYSTEM CORE 316K DISKS USED/IO 003/00000015 STOP TIME 11:47:27 TCB TIME 00:00:02.21 *
SRB TIME 00:00:00.00 * * COND CODE 0000 PRIVATE AREA SZ 2048K ALLOC TIME 11:47:24 ELAPSED TIME 00:00:02 PGM LOAD 11:47:24 * ** PGNO * NR SRV UNITS * ACTIVE TIME *** PAGES IN *** PAGES OUT * # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT ** * 004 24549 00:00:02.25 0 0 0 0 0 0 2 * * CPU \$ (0.79) + EXCP \$ (0.02) + MEMORY \$ (12.92) = TOTAL \$ (13.73) IEF375I JOB /MAND#PAS/ START 20160.1147

IEF3751 JOB /MAND#PAS/ START 20100.1147
IEF3761 JOB /MAND#PAS/ STOP 20160.1147 CPU OMIN 02.36SEC SRB OMIN 00.00SEC

```
LINE # P/D LC LVL
                        STANFORD PASCAL COMPILER, VERSION OF OCT.-79 > 11:47:24 06-08-1920
                                                                                                       PAGE 1
                 ) PROGRAM MANDELBROTSET(OUTPUT); (* POSTER DELLO INSIEME DI MANDELBROT *)
                   CONST MAXIT=27; (* NUMERO DI "COLORI" IN REALTÀ CARATTERI *)
                   VAR STR:ARRAY[1..MAXIT] OF CHAR; (* TAVOLOZZA DEI COLORI/CARATTERI *)
           331 1)
           331 1)
                      PROCEDURE MANDELBROT(MINRE, MINIM, MAXRE, MAXIM: REAL; STRP: INTEGER);
                      LABEL 99: (* EAT YOUR HEART OUT DIJKSTRA *)
                      VAR STEPX.STEPY.RE.IM.ZR.ZI.A.B:REAL;
           184 2)
                          XSIZE, YSIZE, X, Y, N, S: INTEGER;
           208 2)
                      BEGIN
                         XSIZE:=131*STRP; (* LE COLONNE VENGONO CONTATE 0..131 *)
    10
                         YSIZE:=48*STRP: (* 48 RIGHE APPROSSIMANO IL RAPPORTO 3:2 *)
    11
    12
            10 2)
                         STEPX:=(MAXRE-MINRE)/XSIZE;
    13
            17
                2)
                         STEPY:=(MAXIM-MINIM)/YSIZE:
    14
            24
                2)
                         FOR S:=1 TO STRP (* CICLO PRINCIPALE: QUANTE STRISCIE *)
    15
            26
                2)
                         DO BEGIN
            33
35
42
                2)
                                FOR Y:=0 TO YSIZE (* CICLO RIGHE *)
    16
                2)
                                DO BEGIN
    17
                2)
    18
                                      IM:=MINIM+STEPY*Y;
            49
               2)
    19
                                      WRITE(' ');
    20
            55
                2)
                                      FOR X:=132*(S-1) TO 132*S-1 (* CICLO COLONNE *)
                2)
    21
            64
                                      DO BEGIN
            72
               2)
    22
                                            RE:=MINRE+STEPX*X;
            79
                2)
    23
                                            ZR:=RE;
                2)
            81
                                            ZI := IM:
    25
                2)
            83
                                            FOR N:=1 TO MAXIT (* CICLO COLORI/CARATTERI *)
            85
               2)
    26
                                            DO BEGIN
            92
                2)
    27
                                                  A := ZR * ZR :
            96
                2)
    28
                                                  B:=ZI*ZI:
           100
                2)
                                                  IF(A+B)>4
    30
           103
               2)
                                                  THEN GOTO 99:
    31
           109
                2)
                                                  ZI:=ZR*ZI*2+IM;
                2)
    32
           118
                                                  ZR := A - B + RE
    33
           121
                2)
                                               END;
                2)
    34
           132
                      99:
                                            WRITE(STR[N]:1)
    35
           143
                2)
                                         END:
                2)
           151
                                      WRITELN
    36
    37
           151 2)
                                   END:
    38
           163 2)
                                IF S<STRP (* FINITO UNA STRICIA, SE NE SEGUONO ALTRE... *)
    39
           164 2)
                                THEN WRITELN('1') (* ...INIZIA IN UNA NUOVA PAGINA *)
    40
           175
                2)
                            END
           175 2)
    41
                      END:
           184 2)
    42
    43
                   BEGIN
    44
                      STR:='ABCDEFGHIJKLMNOPQRSTUVWXYZ ': (* I COLORI/CARATTERI *)
    45
            10 1)
                       (* STAMPA UN RETTANGOLO 3:2 "SPALMATO" SU 5 STRICIE *)
            10 1)
                      MANDELBROT(-2,-1,1,1,5)
    46
            22 1) END.
            NO SYNTAX ERROR(S) DETECTED.
  ****
                                1 PROCEDURE(S) COMPILED,
            47 LINE(S) READ.
  ****
           209 P INSTRUCTIONS GENERATED, 0.0 SECONDS IN COMPILATION.
  ****
```

CROSS REFERENCE OF IDENTIFIERS, LABEL DECLARATIONS AND GOTO STATEMENTS: 27 29 32 **ARRAY** 28 15 29 17 32 21 26 43 BEGIN CHAR CONST 2 15 33 14 30 29 7 21 37 20 26 40 25 17 D0 35 16 41 47 **END** FOR GOTO IF 38 18 24 31 IM **INTEGER** 8 LABEL 3 MAXIT MAXIM 25 13 12 13 12 25

18 22 34

23

20

20

12

32

20

14

25

28 27

16

38

38

31 31

31 32

LIST OF PROCEDURES AND FUNCTIONS:

8

3 19 36

MAXRE MINIM

MINRE

0F OUTPUT PROCEDURE PROGRAM

RE

REAL

STEPX STEPY

STR STRP

THEN

TO

ZI ZR

XSIZE YSIZE

MANDELBROT

VAR WRITE WRITELN

PROGRAM

OF IDENTIFIERS: 43, # OF OCCURENCES: 126, # OF PROCEDURES: 1.

**** STANFORD PASCAL POST-PROCESSOR, VERSION OF OCT.-79.

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

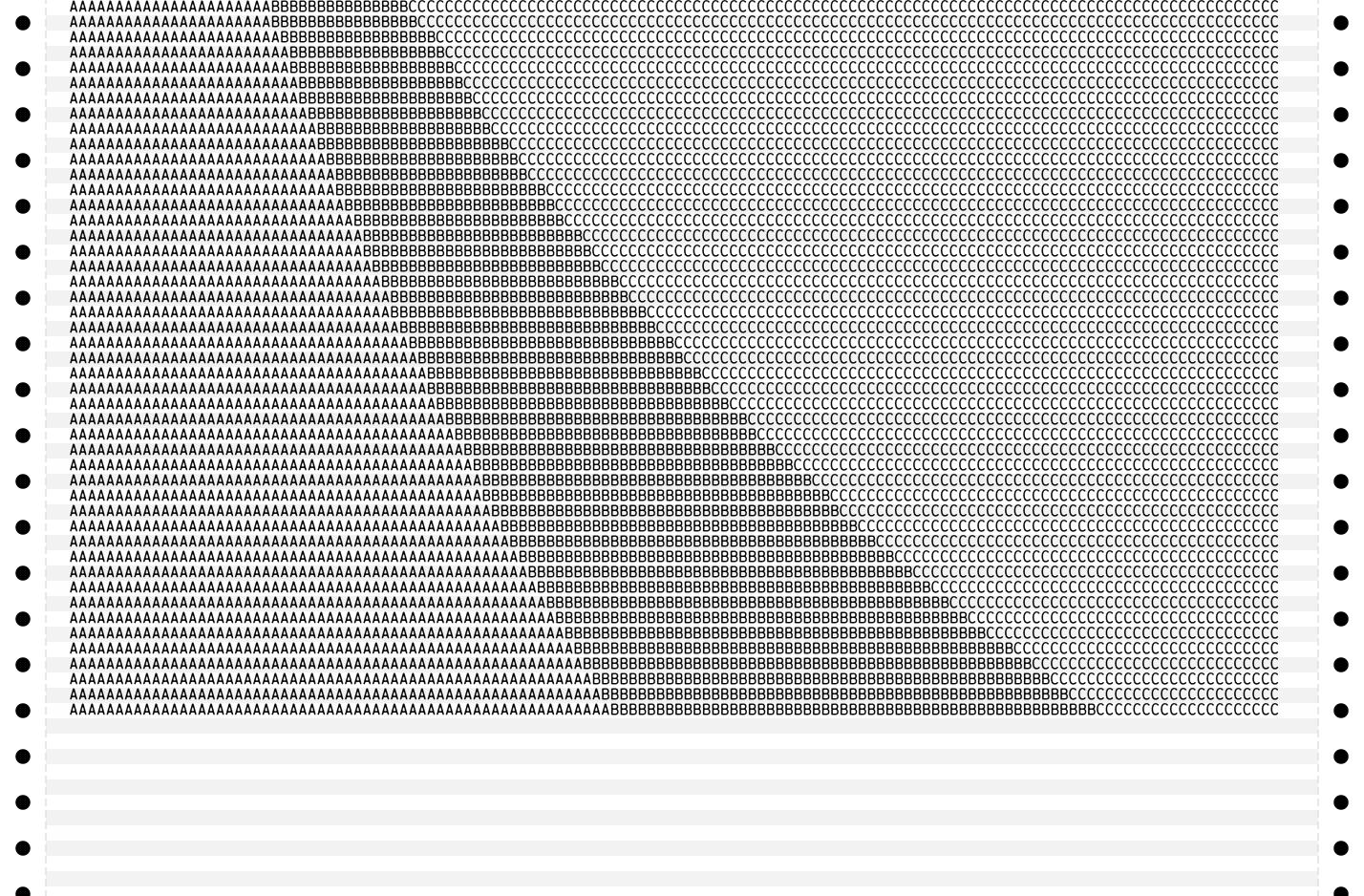
**** 1056 BYTES OF CODE GENERATED, 0.00 SECONDS IN POST_PROCESSING.

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 TY	PE ADDR
MANDEOO1 SD IHCERRM * LR IHOERRE * LR \$IDLEN * SD	AC010 AD062 AD096 AE8C8	\$MAINBLK SD IHOERRM * LR IHNERRE * LR \$GETPNAM* SD	AD062 IH	ASENT * SD NERRM * LR CERRE * LR LIGN * SD	AC430 \$PASINT AD062 ERRMON AD096 \$PASCSP AEAE8 \$ERRMSG	* LR * LR		IFYVERRM* IFYVERRE* \$WRADDR * \$TRANSVA*	LR AD062 LR AD096 SD AE718 SD AEE38
\$CNVTNUM* SD \$PRNTLNK* SD	AEECO BOB28	\$PRNT * SD \$PRNTSYS* SD	AF000 \$1	VSCAN * SD APSHOT* SD	AFD90 \$PRNTVA B17C0 #MAINBL	R* SD		\$FROMLIN*	SD B0988
TOTAL LENGTH	5D18								
ENTRY ADDRESS	AC430								

```
PMLKKKJIJJJJJKPKKJJJKKLNQPPLLLKKKLLMOMLKKKKKKKLQNMMNONOVSYURQOQSSQSQQT VX
AFFFFGGGGGHHGFHHHHHGGGHHHHHHIIJJIIIHHHHIIIJJJKMQSV
```

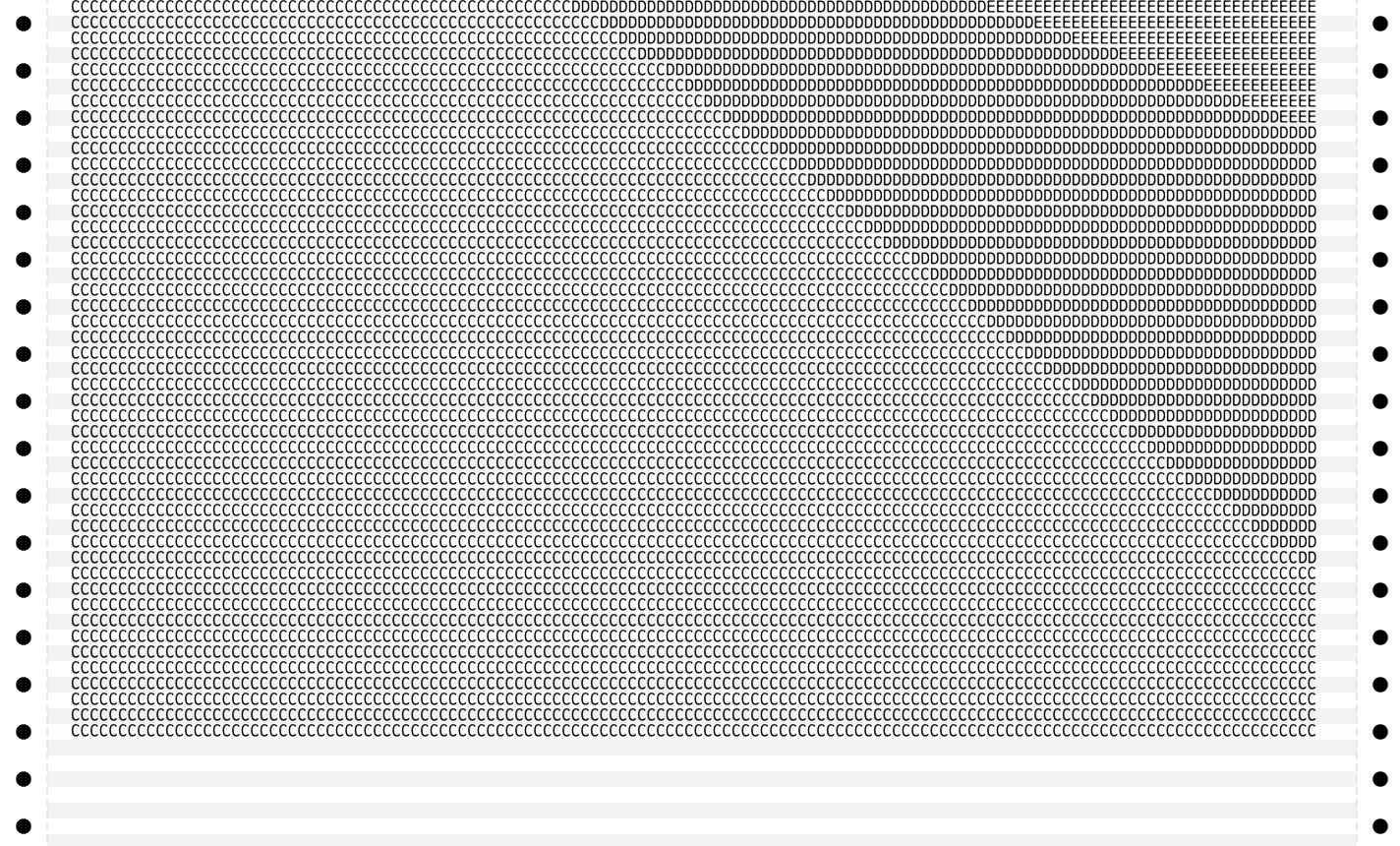


```
TOTAL CONTRIBUTION OF THE PROPRESS OF THE PROP
```

```
EEEEEFFFFFFFFFFFFGGGGHHHHHHILLLLNU YSSTT XSQRTNMMOP WSMLKKKKJJJJJJKKKKKLLMNNOPQSV ZTQS NMKKKKKKK NOORSMJJJJIIIIIIIIIIIIIIIIIIIII
EEEEEFFFFFFFFFGGGGGHHHHHHIIJJJKMMMNMNOPQT
                    SZPRYW XNMMMOPQLLKKKKKKKKLLMMMNOOQTW
                                       QTQLLLLLNQYV T MKKJJJJIIIIIIIIIIIIIIIII
EEEEFFFFFFFFFGGGGGGHHHHHHHIIJJJJKKLLMMNOQU
                       SQ000Q QNMLLLLKKKLLLMMMMNOPQSVW
                                        ONMMMMNP USQONMLKKKJJJJIIIIIIIIIIIIII
                     Z۷
                       V SQQSZTONMMMMMMNNMMMNNOQQQRTV
EEEEFFFFFFFGGGGGGGGHHHHHHIIIJJJJKKKKLNQRVTSU
                                       WUZUNNNNOPZ
                                             SMMLKKKKKJJJJJIIIIIIIIJJJJ
EEEFFFFFFFFGGGGGGGGGHHHHHHIIIIJJJKKKKKMNOPPQRTUZ
                                        UQP000PQRSUW
                          WTYONNNNQXTOOOOPQ VY
                                              R ZMLLKKKKKJJJJJJJJJJJJJJJJ
EEEFFFFFFFGGGGGGGGGHHHHHHIIIIIJJKKKKLMNOOPRTY
                           SQUOOPT TRRSQQRTVW
                                        SSTRQQQRSU
                                               SOMMMMN MLKKKKJJJJJJJJJ
EEFFFFFFFGGGGGGGGGGGGHHHHIIIIIIJJKKKLLMMNOQSW
                            URQQQSU
                                               YROOP
                                 UUVV
                                        YWX WTTYZWZ
                                                   MLLKKKKKKKKKKK
EFFFFFFFGGGGGGGGGGGGHHHHIIIIIIIIJKKLLMMNQV YX
                                               SQQS ZUQONMLLKKKKKKKKK
                            WTTZTUX
                                          ZY
EFFFFFFGGGGGGGGGGGGGHHHHIIIIIIJJKLNNNOOQV
                            ZWW
                                               USSUVY
                                                   QOMMMLLLKKKKKKK
FFFFFFFGGGGGGGGGGGGGGHHHIIIIIIIIJKLOV URU
                                                YWWX
                                                   VONNNMMLLLLLL
FFFFFGGGGGGGGGGGGGGGHHHIIIIIIJJJKLLOPZSRRUUW
                                                     YPNMMMLLL
FFFFFGGGGGGGGGGGGGGGHHHIIIIIJJJKKKLLMMNOOPQSU
                                                   Z۷
                                                     SPONMMMMM
FFFGGGGGGGGGGGGGGHHHIIIJJJJJJKKKKLLMMNNOOQWXWY
                                                      PONNMMM
FFGGGGGGGGGGGGGGGHHHI I JJJJJJKKKKKKLMMMNDPPQRSUWY
                                                      SRR ONN
GGGGGGGGGGGGGGHHHHILKLLLKKKKKKLLMMNNNP RRTUV
                                                      ZZ YTP00
GGGGGGGGGGGGHHHHHIIJKMQXPNLLLMMMN POOPQTX
                                                        QQP
                                                        WU
GGGGGGGHHHHHHHHHHHIIIJJJLNW RONNNOOPS
HHHHHHHHHHHHHHIIIIIJJJKMNPY T Z V
HHHHHHHHHHHIIIIIIJJJKLLMNNOQV
HHHHHHHHIIIIIIIIIIJJKKKLLMMNOQU
KJJJJIIIIIIIIIIIJJJKKKKKKLMMNOPQR Y
LKJJJJJJIIIIIIJJJKKKKKKKKLMNNOOQSSUY
PMLKKJJJJJJJJKKKKKKKKKKKLLNQ WQQSY
POLLLKKKKKKKKKMQNLLLLLLMMMNOPTU
SRNMMLLKKKLLLLOXSNNMMMMMNNOPQQ Z
MNRVPOROMMMMMNORUPONNNMNNOOOOQRSW
MMPSX SPONNNOOOQ SSPPPRQPPPPR Y
LNOQU USQQXRQQS ZTSRS TRQQQRSU
LPVSU X W WVUUY ZW XTTVTST Y
MNOOTTXY
           XVUWX
MMOPQRVW
            ZY
NPYTSTUY
OQRT
SSTUWZ
XW
```

XW SSTUWZ OQRT NPYTSTUY MMOPQRVW

```
LPVSU X W WVUUY
       ZW XTTVTST Y
LNOQU USQQXRQQS ZTSRS TRQQQRSU
MMPSX SPONNNOOOQ SSPPPRQPPPPR Y
MNRVPOROMMMMMNORUPONNNMNNOOOOQRSW
SRNMMLLKKKLLLLOXSNNMMMMMNNOPQQ Z
POLLLKKKKKKKKKLMQNLLLLLLMMMNOPTU
PMLKKJJJJJJJJKKKKKKKKKKKLLNQ WQQSY
LKJJJJJJIIIIIIIJJJKKKKKKKLMNNOO@SSUY
KJJJJIIIIIIIIIIIJJJKKKKKKLMMNOPQR Y
HHHHHHHHIIIIIIIIIIJJKKKLLMMNOQU
HHHHHHHHHHIIIIIIJJJKLLMNNOQV
HHHHHHHHHHHHHHIIIIJJJKMNPY T Z V
GGGGGGGHHHHHHHHHHHIIIJJJLNW RONNNOOPS
GGGGGGGGGGGGHHHHHIIJKMQXPNLLLMMMN POOPQTX
                                                     QQP
GGGGGGGGGGGGGGHHHHILKLLLKKKKKKLLMMNNNP RRTUV
                                                   ZZ YTP00
FFGGGGGGGGGGGGGGHHHIIJJJJJJKKKKKKLMMMNOPPQRSUWY
                                                   SRR ONN
FFFGGGGGGGGGGGGGGHHHIIIJJJJJKKKKLLMMNNOOQWXWY
                                                   PONNMMM
                                                 ZZ
FFFFFGGGGGGGGGGGGGGHHHIIIIIJJJKKKLLMMNOOPQSU
                                                   SPONMMMMM
FFFFFGGGGGGGGGGGGGGHHHIIIIIIJJJKLLOPZSRRUUW
                                                 RQ YPNMMMLLL
FFFFFFFGGGGGGGGGGGGGGHHHIIIIIIIIJKLOV URU
                                                 VONNNMMLLLLLLL
EFFFFFFGGGGGGGGGGGGGHHHHIIIIIIJJKLNNNOOQV
                                                QOMMMLLLKKKKKKK
                                             USSUVY
EFFFFFFFGGGGGGGGGGGGHHHHIIIIIIIJKKLLMMNQV YX
                          WTTZTUX
                                             SQQS ZUQONMLLKKKKKKKKK
EEFFFFFFGGGGGGGGGGGGHHHHIIIIIIIJJKKKLLMMNOQSW
                          URQQQSU
                                      YWX WTTYZWZ
                               UUVV
                                             YROOP
                                                MLLKKKKKKKKKKK
                          SQ000PT TRRSQQRTVW
                                      SSTRQQQRSU
                                             SOMMMMN MLKKKKJJJJJJJJJ
EEEFFFFFFFGGGGGGGGGGHHHHHHIIIIIIJJKKKKLMNOOPRTY
                         WTYONNNNQXTOOOOPQ VY
EEEFFFFFFFFGGGGGGGGGHHHHHHIIIIJJJKKKKKMNOPPQRTUZ
                                      UQPOOOPQRSUW R ZMLLKKKKKJJJJJJJJJJJJJJJJ
                                           SMMLKKKKKJJJJJIIIIIIIJJJJJ
EEEEFFFFFFFGGGGGGGGHHHHHHIIIJJJJKKKKLNQRVTSU
                      V SQQSZTONMMMMMMMMMMMNNOQQQRTV
                                     WUZUNNNNOPZ
                                      ONMMMMNP USQONMLKKKJJJJIIIIIIIIIIIIII
EEEEFFFFFFFFFGGGGGGHHHHHHHIIJJJJKKLLMMNOQU
                      SQOOOQ QNMLLLLKKKLLLMMMMNOPQSVW
EEEEEFFFFFFFFFFGGGGGHHHHHHI I JJJKMMMNMNOPQT
                      XNMMMOPQLLKKKKKKKKKLLMMMNOOQTW
                                     QTQLLLLLNQYV T MKKJJJJIIIIIIIIIIIIIIIII
                   SZPRYW
EEEEEFFFFFFFFFFFGGGGHHHHHHILLLLNU YSSTT XSQRTNMMOP WSMLKKKKJJJJJJKKKKKLLMNNOPQSV ZTQS NMKKKKKKK NOORSMJJJJIIIIIIIIIIIIIIIIIIIIII
```



```
EEEEEEEEEEEEEEEEEEEEEEEEEEEEEFFFFFGHJQRLNOVMKJJIIJJKJJJJKLNQTYPONKJIIIHHHHHHHHHHHIIIIJOLSLKKKL MKKKKKKKKKKKKKLLLLLMMMMNNOOPQRT
EEEEEEEEEEEEEEEEEEEEEEEFFFFFFGGGHHJKMTXPNMKKJKKQVQMLLLNSRV PMKKJJIIIIIIIIIIIIIIIJJKP WP SNQY NMLKKKKKLLMMMMMMMMMMMNNOOPPQQSTU
EEEEEEEEEEEEEEEEEFFFFFFFGGGGHHIKTMNY ZSNNMMNUXOOOU
                       QNLKKKJJJIIIIIIIIIIIIJJKLMPS
                                     WSRPMLLLLMNV R ONNOOPPPPPPQRRSTUVW
EEEEEEEEEEEEEEEEEEFFFFFFFGGGGHHHIJJKLURS TQPQT RRT ZSRSOMMLKKKKJJJIIIIIIIIJJJJJKLMN
                                      ZPNNNNOP
                                            SQPRW SS XUTUVVWXY
EEEEEEEEEEEEEFFFFFFFFFGGGGGGHHIIJJKLMOPSZ YW X
                                     XURQ000PU
                      TQPONMMMLLLLLKKJJJJJJJJJJJKKMQ Y
                                            VT
EEEEEEEEEEEFFFFFFFFFFGGGGGGGHHIIJJKLLNOPRTX
                    YVTSQPPONNNONNT MLKKKKKKKKKKKKLMP Y Y
                                       TOORTV
EEEEEEEEEEEFFFFFFFFFFFFGGGGGGGHHIIJKLLMO TY YZ
                                       TTW X
                     XUU VTPPPQV V U NMLKKKKKKLLLLMNPQRU
EEEEEEEEEFFFFFFFFFFFFGGGGGGGGHHIJLZQOQX W TTV
                      Z
                        TRSX
                           X RMMLLLLLLMNNOPT
EEEEEEEEFFFFFFFFFFFFGGGGGGGHHJKNXY
                           XUSPNMMMMMMNNOPPQS
                       XX ZXZ
EEEEEEEFFFFFFFFFFFFFFFGGGGGGGGHHJNMPX00Q0000PZ
                           UTQONNNNP W TSSTVZ
EEEEEEFFFFFFFFFFFFFFFGGGGGGGGHHHIJJKLLLLMMNNOS
                             RPPOOP
                                  Х
EEEEEFFFFFFFFFFFFFFGGGGGGGGHHHIIIJJKKKLMMNOQU Y
                             ROOORT
EEEFFFFFFFFFFFFFFFFGGGGGGGHHHHIIIJJKKLMQPPRSU
                             TSS YZ
EFFFFFFFFFFFFFFFFFGGGGGGGHHHHHIIIIJJKLNU XVX
                             ZVVX
                             Ζ
FFFFFFFFFFFFFFFFFGGGGGGGHHHHHHIIIIIJJKLM
FFFFFFFFFFFFFFFFFGGGGGGGHHHHHHHIIIIIJJKNZ
FFFFFFFFFFFFFFFGGGGGGGHHHHHHHHIIIIIJJKMOPU W
FFFFFFFFFFFFFFGGGGGGGHHHHHHHHIIIIIIJJJKLLMXVQRV
FFFFFFFFFFFFFGGGGGGGHHHHHHHHIIIIIJJJJKKKLLMNOPR
FFFFFFFFFFFFFGGGGGGHHHHHHHHHIIIIJJJJKKKKLLMNNOPR UY
FFFFFFFFFFFFGGGGGHHHHHHHHHIIIJJJJJJKKKKLLMMNNOPPRSTVXZ
FFFFFFFFFFFGGGGGGHHHHHHHIIIJJJJJJJKKKKKKLLMMNOOPPQRVVX
FFFFFFFFFGGGGGGHHHHHIIIIJKZQMMYMLLKKKLLLMNOP
```

Z۷

FFFFFFFFGGGGGGGHHHIIIIJJJKLR Y NMLLLMMNO

```
FFFFFFFGGGGGGGHHHIJJKKKKLNONPV
                                RONNMMMMNNR
                                QPPPP0000PPV
FFFFFGGGGGGGGHHIKUNRRNMNPTWS
FFFGGGGGGGGGHHHIJNRU UT
                              VUSSU
                                     TSQQRSUX
GGGGGGGGGHHHHIIJJLMOQUZ
                               XX
                                       WTTT
GGGGGGGGHHHHHIIIJK RW
                                         WX
GGGGGGGHHHHHHIIIIJLU QRU Z
GGGGGGHHHHHHHIIIIJKKLM
GGGGGHHHHHHHHIIIIJJKKLOURQRVY
GGGGHHHHHHHHHIIIJJJKKKLMNOPW
GGHHHHHHHHHHIIIIJJKKKLMMNO
HHHHHHHHHIIIIJJJKKLLMMNOPQSTX
HHHHHHHHHHIIIJJJJKLLLMNNNOPQRTVX
HHHHHHHHHIIIJJKL PS POOPQT
HHHHHHHHIIIIJJKKLMO SRQQRT
HHHHHHHIIIIJKLMMO V
                      VV UUUX
HHHHHIIIIJJLS T
HHHIIIIIJJKKMOT
IIIIIIIIJJJKKL SV
IIIIIIIJJJJKKLMMPQ X
IIIIIJJJJJJKKLLMNOPQS
IIIJJJJJJJKKKLLMNOPQRTVZ
                 TTX
IIJJJJJJJJKKLLM
JJJJJJJJJKKLMNOV YYXY
JJJJJJJKKKL T
JJJJJKKKKLMN
JKKKKKKKLLMMO
KKKKKLLLLMNNPQSUX
KKKKLLLLLMMNOS XY
KKLLLLLLLMNOQ
LLLLLLMMNR
LLLLMMMMNNORX
MMMMMMNNOOPR Z
MMMMNNNNNOPR
NNNNNNOOP
00000000PQRTX
000000PPPQR
QPPPPPPPQS
RQQQQQQRST
VSRRRRRRTY
 VTSSSSSTUX
  ZUTTTTTV
  WUUUUVW
   XWVVWY
    YXXX
     ZZZ
```

```
ZZZ
    YXXX
   XWVVWY
  WUUUUVW
 ZUTTTTTV
 VTSSSSSTUX
VSRRRRRRRTY
ROQQQQQQRST
QPPPPPPPQS
000000PPPQR
00000000PQRTX
NNNNNNOOP
MMMMNNNNNOPR
MMMMMMNNOOPR Z
LLLLMMMMNNORX
LLLLLLMMNR
KKLLLLLLLMN0Q
KKKKLLLLLMMNOS XY
KKKKKKLLLLMNNPQSUX
JKKKKKKKLLMMO
JJJJJKKKKLMN
JJJJJJJKKKL T
JJJJJJJJKKLMNOV YYXY
IIJJJJJJJKKLLM
IIIJJJJJJJKKKLLMNOPQRTVZ
IIIIIJJJJJJKKLLMNOPQS
IIIIIIIJJJJKKLMMPQ X
IIIIIIIIJJJKKL SV
HHHIIIIIJJKKMOT
HHHHHIIIIJJLS T
HHHHHHHIIIIJKLMMO V
                      VV UUUX
HHHHHHHHIIIIJJKKLMO
                      SROORT
HHHHHHHHHHIIIJJJKL PS POOPQT
HHHHHHHHHHIIIJJJJKLLLMNNNOPQRTVX
HHHHHHHHHHIIIIJJJJKKLLMMNOPQSTX
GGHHHHHHHHHIIIIJJKKKLMMNO
GGGGHHHHHHHHHHIIIJJJKKKLMNOPW
GGGGGHHHHHHHHHIIIIJJKKLOURQRVY
GGGGGGHHHHHHHIIIIJKKLM
                         U۷
GGGGGGGHHHHHHIIIIJLU QRU Z
GGGGGGGGHHHHHIIIJK RW
                                        WX
GGGGGGGGGHHHHI I JJLMOQUZ
                                      WTTT
FFFGGGGGGGGGHHHIJNRU UT
                             VUSSU
                                     TSQQRSUX
FFFFFGGGGGGGGHHIKUNRRNMNPTWS
                               QPPPP0000PPV
FFFFFFFGGGGGGGHHHIJJKKKKLNONPV RONNMMMNNR
FFFFFFFFGGGGGGGHHHIIIIJJJKLR Y NMLLLMMNO
FFFFFFFFFFGGGGGGHHHHHIIIIJKZQMMYMLLKKKLLLMNOP SRSW
FFFFFFFFFFGGGGGGHHHHHHHIIIJJJJJJJKKKKKKLLMMNOOPPQRVVX
FFFFFFFFFFFFGGGGGHHHHHHHHHIIIJJJJJJKKKKLLMMNNOPPRSTVXZ
FFFFFFFFFFFFFGGGGGGHHHHHHHHHIIIIJJJJJKKKKLLMNNOPR UY
FFFFFFFFFFFFFGGGGGGGHHHHHHHHIIIIIJJJJKKKLLMNOPR
FFFFFFFFFFFFFFGGGGGGGHHHHHHHHIIIIIIJJJKLLMXVQRV
FFFFFFFFFFFFFFFGGGGGGGHHHHHHHHIIIIIJJKMOPU W
FFFFFFFFFFFFFFFFFGGGGGGGHHHHHHHIIIIJJKNZ
FFFFFFFFFFFFFFFFFGGGGGGGHHHHHHIIIIIJJKLM
                                                                      ZVVX
EFFFFFFFFFFFFFFFFFGGGGGGGHHHHHIIIIJJKLNU XVX
EEEFFFFFFFFFFFFFFFFFFGGGGGGGGHHHHIIIJJKKLMQPPRSU
                                                                      TSS YZ
                                                                      RQQQRT
EEEEEFFFFFFFFFFFFFFFGGGGGGGGHHHIIIJJKKKLMMNOQU Y
EEEEEEFFFFFFFFFFFFFFGGGGGGGGHHHIJJKLLLLMMNNOS
                                                                      RPP00P
                                                                               TSSTVZ
EEEEEEEFFFFFFFFFFFFFFGGGGGGGGHHJNMPX00Q0000PZ
                                                                   UTQONNNNNP W
```

```
XX ZXZ
           XUSPNMMMMMMNNOPPQS
EEEEEEEEEEFFFFFFFFFFFFGGGGGGGHHIJLZQOQX W TTV
           X RMMLLLLLLMNNOPT
EEEEEEEEEEEFFFFFFFFFFFFGGGGGGGHHIJKLLMO TY YZ
        XUU VTPPPQV V U NMLKKKKKKLLLLMNPQRU
                TTW X
EEEEEEEEEEEFFFFFFFFFFGGGGGGGHHIIJJKLLNOPRTX
        YVTSQPPONNNONNT MLKKKKKKKKKKKKLMP Y Y
                TOORTV
EEEEEEEEEEEEEFFFFFFFFFGGGGGGHHIIJJKLMOPSZ YW X
         TQPONMMMLLLLLKKJJJJJJJJJJJKKMQ
               XURQ000PU
EEEEEEEEEEEEEEEEEEFFFFFFFGGGGHHHIJJKLURS TQPQT RRT ZSRSOMMLKKKKJJJIIIIIIIIJJJJJKLMN
                  SQPRW
                   SS XUTUVVWXY
                ZPNNNNOP
         QNLKKKJJJIIIIIIIIIIIIJJJKLMPS
EEEEEEEEEEEEEEEEEFFFFFFFGGGGHHIKTMNY ZSNNMMNUXOOOU
               WSRPMLLLLMNV R
                  ONNOOPPPPPPQRRSTUVW
EEEEEEEEEEEEEEEEEEEEEFFFFFFGGGHHJKMTXPNMKKJKKQVQMLLLNSRV PMKKJJIIIIIIIIIIIIIIJJKP WP SNQY NMLKKKKKLLMMMMMMMMMMNNOOPPQQSTU
EEEEEEEEEEEEEEEEEEEEEEEEEFFFFFFGHJQRLNOVMKJJIIJJKJJJJKLNQTYPONKJIIIHHHHHHHHHHHIIIIJOLSLKKKL MKKKKKKKKKKKKKLLLLLMMMMNNOOPQRT
```

```
HIIIJJJKKLLLMRYYX
   IIIJJKMPMMMMNOPRV
JPYQTQQS RQQTZ
   KLM R TT Z W
     KLLNNOPQ
    KLMMNOPUUY
    MMMNOP
OQTPPQRTW
    ZTTY WXZ
    XVUTSRQQPP000PQ0NNMMNOR SORLKKKKKKKLN PQ Q NTRKIHHHHHHHHHHGGGGGGGGGGGGGGGGGGGGGHHHHHHIJJLMSPQ PIGGFFFF
     ZXWVUVUTT VRRS
        VPOOPT
          OMLLLLLMN W
             X Z SOKJIIHHHHHHHHHHHGGGGGGGGGGGGGGGHHHHHHIIJKPVWOLKJIHGGGFFF
              NLKJIIIHHHHHHHHHHHHHHHHHHHHHHHHHHIIIIJKMNXXPNLIIHGGGGFF
         TRTZ
           ONMMMNOPRTW
          ZVWP000QR W
              STXKJIIIIIHHHHHHHHHHHHHHHHHHIIIIIIIIIIKTP
                       WNK I IHHGGGGF
              VSRQQQ
           UTW
              WVPONLKKJJJIIIIIIIIJJJML LKKMMKJJJJJJJJKKKLLNOV PLKJIIIIIIJ
              RNMLLKKJJJJJJJJJKLMPXQ OQXNMTLKKKKKKKLLMOS OLLKKJJJJKS
              XPONMMMLKKKJJJJJJKKKLM R UY U RNMLLLLLMMNPRTWPNMMOPPNNPQ
                   YXSPONN POONNNOOQ SRW T OO KK
               NLLKKKKKKKKKLMMNOQT
              TROPPOP
              Y TS
                      RORSSUY TOOMLKJIIH
                MLLLLLLMMOPQRX
                   ZYSTROQT
                PMMMMMMT
                    UVY
                     YYVZ XTT PNLKJIHH
                RPONNNOPRU
                      YZSPPPY
                        KJJIH
               W U QPOOPQW
                      TRPONMN QNYOLH
                RQQS
                       XNLLLLMNPOMIG
                 TTT
                      V VMLKKJJJIIIHHG
                      WTQOMMKKJJIIIHHHGG
                      TPONMLKKJIIHHHGGG
                      SSZS OQVJIHHHGGGF
                      XY VR NKIHHHGGGGF
                      U MKJIHHGGGGGF
```

WSQPRUNLKIIHHHGGGGGF QMLLKJIIIHHGGGGGGG

```
VR PNLKKJJJIIIHHGGGGGGG
     YWUSRQONNMLKKKJJIIIIHHHGGGGGG
       VURPONMMLKKKJJJIIIHHHGGGGGG
          RQTOMLLKKKJJIIIHHHHGGGGG
              NMLLLLKJJI IHHHHHGGGG
             TPONNNP UJIIIHHHHHHGG
            XTRQT XYUNKJIIIHHHHHHH
                       KJIIIHHHHHH
                     XNKJJJIIIHHHH
                   X QLKKJJJIIIIII
                  SQONLLKKKJJJIIII
                 Y SNMMLLLLKKJJJ
                     ONNNNOYYOQLKK
                   WSQQQQRTX WNM
                    VTTW
                                PO
                    ZZ
                               VUV
                         TROPOONML
                          ZPNMMLKJ
                          SQOOLKKJ
                            Z MKJJ
                              MLKJ
                            SNMLKK
                           SPONMLK
                          WTSR ZPM
                                XS
                               XRR
                           SQQ OML
                          ZUWMLKKJ
                            OMLKKJ
                          SPNMLLKJ
                            TONMNS
                             RU
                             Y NK
S J
                        YPNNMPNKIH
                       UPNMLKJIIHH
                        QOOUJIIHHG
                        W VJIHHGG
                         SJIHHGGG
                    RONMLKIIHHGGGG
                    TR KJIIHHGGGGG
                     QKJIHHHGGGGGF
                 ROMLJIIHHHGGGGGGF
                  MJJIIHHHGGGGGGFF
              UOLKJIIHHHHHGGGGGGFF
            T MKJJIIIHHHHGGGGGGGFF
           OLKJJJIIIHHHHHGGGGGGGFF
       YQNLKKJJJIIIHHHHHGGGGGGGFFF
    XPONMLKKKJJIIIIHHHHHGGGGGGGFFF
ZVTRPONMLLKKJJJIIIIHHHHHGGGGGGGFFF
    XPONMLKKKJJIIIIHHHHHGGGGGGGFFF
       YQNLKKJJJIIIHHHHHGGGGGGGFFF
           OLKJJJIIIHHHHHGGGGGGGFF
            T MKJJIIIHHHHGGGGGGGFF
              UOLKJIIHHHHHGGGGGGFF
                  MJJIIHHHGGGGGGFF
                 ROMLJIIHHHGGGGGGF
```

```
QKJIHHHGGGGGF
                                                TR KJIIHHGGGGG
                                               RONMLKIIHHGGGG
                                                     SJIHHGGG
                                                    W VJIHHGG
                                                    QOOUJIIHHG
                                                   UPNMLKJIIHH
                                                    YPNNMPNKIH
                                                       Y S J
                                                         Y NK
                                                         R U
                                                        TONMNS
                                                      SPNMLLKJ
                                                        OMLKKJ
                                                      ZUWMLKKJ
                                                       SQQ OML
                                                           XRR
                                                            XS
P
                                                      WTSR ZPM
                                                      SPONMLK
                                                        SNMLKK
                                                          MLKJ
                                                        Z MKJJ
                                                      SQOOLKKJ
                                                      ZPNMMLKJ
                                                     TRQPOONML
                                                         X
                                                           VUV
                                               ZZ
                                                VTTW
                                                            P0
                                              WSQQQQQRTX WNM
                                                 ONNNNOYYOQLKK
                                            Y SNMMLLLLKKJJJ
                                             SQONLLKKKJJJIIII
                                              X QLKKJJJIIIIII
                                                 XNKJJJIIIHHHH
                                                   KJIIIHHHHHH
                                       XTRQT XYUNKJIIIHHHHHHH
                                        TPONNNP UJIIIHHHHHHGG
                                         NMLLLLKJJIIHHHHHGGGG
                                     RQTOMLLKKKJJIIIHHHHGGGGG
                                  VURPONMMLKKKJJJIIIHHHGGGGGG
                                YWUSRQONNMLKKKJJIIIIHHHGGGGGG
                                      VR PNLKKJJJIIIHHGGGGGGG
                                            QMLLKJIIIHHGGGGGGG
                                         WSQPRUNLKIIHHHGGGGGF
                                               U MKJIHHGGGGGF
                                            XY VR NKIHHHGGGGF
                                            SSZS OQVJIHHHGGGF
                                            TPONMLKKJIIHHHGGG
                YWW
                                            WTQOMMKKJJIIIHHHGG
                                             V VMLKKJJJIIIHHG
                TTT
               RQQS
                                                 XNLLLLMNPOMIG
          W U QPOOPQW
                                               TRPONMN QNYOLH
                                              YZSPPPY KJJIH
           RPONNNNOPRU
X
Y TS
                                          YYVZ XTT PNLKJIHH
RQRSSUY TQOMLKJIIH
            PMMMMMMT
                                     UVY
            MLLLLLLMMOPQRX
                               ZYSTRQQT
TROPPOP NLLKKKKKKKKLMMNOQT YXSPONN POONNNOOQ SRW T OO KK
  XPONMMMLKKKJJJJJJKKKLM R UY U RNMLLLLLLMMNPRTWPNMMOPPNNPQ
```

```
RNMLLKKJJJJJJJJJJKLMPXQ OQXNMTLKKKKKKKLLMOS
          WVPONLKKJJJIIIIIIIJJJML LKKMMKJJJJJJJJKKKLLNOV PLKJIIIIIJ
        UTW
        VSRQQQ
          WUV NKJJIIIIIIIIIIIIIIIIIIIIIIIIIIIIJJJKKLMNPRWTOJIHHHHHGG
           STXKJIIIIIHHHHHHHHHHHHHHHHHIIIIIIIIIKTP
        ZVWP000QR W
      ZWW
                 WNK I I HHGGGGF
           NLKJIIIHHHHHHHHHHHHHHHHHHHHHHHHIIIIJKMNXXPNLIIHGGGGFF
       TRTZ
        ONMMMNOPRTW
    ZXWVUVUTT VRRS
      VPOOPT
          X Z SOKJIIHHHHHHHHHHHGGGGGGGGGGGGGGGGHHHHHHIIJKPVWOLKJIHGGGFFF
        OMLLLLLMN W
    XVUTSRQQPP000PQ0NNMMNOR SORLKKKKKKKLN PQ Q NTRKIHHHHHHHHHHGGGGGGGGGGGGGGGGGGGGGHHHHHHIJJLMSPQ PIGGFFF
    WUSQQPOONNNMMMLLLLLMORMLKKKJJJJJJJKKLMO QMKJJIIHHHHHHGGGGGGGGGGGGGGGGGGGGGGGGGGHHHHHIJKLNVPMJHGFFFFF
    ZTTY WXZ
   OOTPPORTW
   MMMNOP
   KLMMNOPUUY
    KLLNNOPQ Y
  KLM R TT Z W
  JPYQTQQS RQQTZ
IIIJJKMPMMMMNOPRV
HIIIJJJKKLLLMRYYX
```

LINE	# F	RANGE	RUN CNT	CONSTRUCT	PAGE 1	
10	-	41	1		MANDELBROT	
15	-	41	5	FOR STMT		
17	-	37	1205	FOR STI	MT	
21	-	35	159060	FOR S	STMT	
26	-	33	1748261	FO	R STMT	
30	-	30	115291	•	THEN CLAUSE	
34	-	34	159060	LAI	BELLED STMT	
39	_	40	4	THEN CI	LAUSE	
44	-	47	1	PROCEDURE:	\$MAINBLK	

lacktriangle

lacktriangle

		MM MMM		AAAAAAAA	NN NNN N	NN DDDDD N DDDDDD		## ## ## ##	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP		AAAAAAA AAAAAAA	\$	
			MMMM AA		NNN NN			 #########		PP AA		SS SS	
			I MM AA		NN NN	DD		#######	PP	PP AA	AA SS)	
			MM AA	AA NN		DD	DD ##			PP AA	AA SSS		
	MM				NN NN D		DD ##		PPPPPPPPPP			SSSSSS	
	MM	MM			NN NN DD		D ##		PPPPPPPP	AAAAAAAA		SSSSSS	
	MM	MM	AA	AA NN	NN NN DD	DC		## PP		AA	AA	SSS	
	MM		AA	AA NN	NNNN DD	DD					A	SS	
	MM	MM A		AA NN	NNN DD		#########		AA			SS	
	MM MM	MM AA		A NN NN	NN DDDDDD N DDDDDDD		## ## ## ##	PP PP	AA	AA	\$\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$	5222	
	IAIIAI	ММ АА	AA	ININ	N DDDDDDD	טט	## ##	ГГ	AA	AA	33333333	3	
		777		444	0000000	0 222	2222222			Δ	AAAAAAAA		
				4444	00000000	00 2222	22222222				AAAAAAAAA		
			JJ	44 44		000 22	22			AA			
			JJ	44 44		00	22			AA			
			JJ	44 44	00 00	00	22			AA			
			ή	4444444444	00 00	00	22						
				44444444444	00 00	00	22						
			۱۱	44	00 00	00	22			AA			
]]]]	JJ	44 44	0000 000	00 22 00 22	22			A A A A			
		77777		44	00000000		22222222			AA			
		7777		44	0000000		22222222			AA			
		3333	33		000000					00			
****A	END	JOB 402	MAND#PAS			ROOM	11.47.2	7 AM 08 J	UN 20 PRIN	NTER1 SYS	TK4- JOB	402 END	A****
****A		JOB 402	MAND#PAS			ROOM	11.47.2	7 AM 08 J		NTER1 SYS	TK4- JOB	402 END	A***
****A	END	JOB 402	MAND#PAS			ROOM	11.47.2	7 AM 08 J	UN 20 PRIN	NTER1 SYS	TK4- JOB	402 END	A***
****A	END	JOB 402	MAND#PAS			ROOM	11.47.2	7 AM 08 J	UN 20 PRIN	NTER1 SYS	TK4- JOB	402 END	A***