

MM MM AAAAAAAAAA NN NN DDDDDDDDD ## ## FFFFFFFFFFFFFF 000000000000 RRRRRRRRRRR
MMM MMM AAAAAAAAAA NNN NN DDDDDDDDD ## ## FFFFFFFFFFFFFF 000000000000 RRRRRRRRRRR
MMMM MMMM AA AA NNNN NN DD DD ##### FF 00 00 RR RR
MM MM MM MM AA AA NN NN NN DD DD ##### FF 00 00 RR RR
MM MMMM MM AA AA NN NN NN DD DD ## ## FF 00 00 RR RR
MM MM MM AAAAAAAAAA NN NN NN DD DD ## ## FFFFFFFF 00 00 RRRRRRRRRRR
MM MM MM AAAAAAAAAA NN NN NN DD DD ## ## FFFFFFFF 00 00 RRRRRRRRRRR
MM MM AA AA NN NN NN DD DD ## ## FF 00 00 RR RR
MM MM AA AA NN NNNN DD DD ##### FF 00 00 RR RR
MM MM AA AA NN NNN DD DD ##### FF 00 00 RR RR
MM MM AA AA NN NN DDDDDDDDD ## ## FF 000000000000 RR RR
MM MM AA AA NN N DDDDDDDDD ## ## FF 000000000000 RR RR

JJJJJJJJJ 11 444 11 8888888888 AAAAAAAAAA
JJJJJJJJJJ 111 4444 111 888888888888 AAAAAAAAAA
JJ 1111 44 44 1111 88 88 AA AA
JJ 11 44 44 11 88 88 AA AA
JJ 11 44 44 11 88 88 AA AA
JJ 11 444444444444 11 88888888 AAAAAAAAAA
JJ 11 444444444444 11 88888888 AAAAAAAAAA
JJ 11 44 11 88 88 AA AA
JJ JJ 11 44 11 88 88 AA AA
JJ JJ 11 44 11 88 88 AA AA
JJJJJJJJ 1111111111 44 1111111111 888888888888 AA AA
JJJJJJ 1111111111 44 1111111111 8888888888 AA AA

****A	START	JOB 1418	MAND#FOR	ROOM	7.55.34 PM 21 MAY 20	PRINTER1	SYS TK4-	JOB 1418	START	A****
****A	START	JOB 1418	MAND#FOR	ROOM	7.55.34 PM 21 MAY 20	PRINTER1	SYS TK4-	JOB 1418	START	A****
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J E S 2 J O B L O G

19.55.34 JOB 1418 IEF677I WARNING MESSAGE(S) FOR JOB MAND#FOR ISSUED
19.55.34 JOB 1418 \$HASP373 MAND#FOR STARTED - INIT 1 - CLASS A - SYS TK4-
19.55.34 JOB 1418 IEF403I MAND#FOR - STARTED - TIME=19.55.34
19.55.34 JOB 1418 IEFACTRT - STEPNAME PROCSTEP PROGRAM RETCODE
19.55.34 JOB 1418 MAND#FOR FORT IEKAA00 RC= 0000
19.55.34 JOB 1418 MAND#FOR GO LOADER RC= 0000
19.55.34 JOB 1418 IEF404I MAND#FOR - ENDED - TIME=19.55.34
19.55.34 JOB 1418 \$HASP395 MAND#FOR ENDED

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

21 MAY 20 JOB EXECUTION DATE

5 CARDS READ

217 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

0.00 MINUTES EXECUTION TIME

```
1 //MAND#FOR JOB CLASS=A,MSGCLASS=A,MSGLEVEL=(1,1),NOTIFY=HERC01, JOB 1418
// USER=HERC01,PASSWORD= GENERATED BY IKJEFF10
2 // EXEC FORTHCG,PARM.FORT='OPT=2,XREF',PARM.GO=MAP
3 XXFORT EXEC PGM=IEKAA00,REGION=228K
4 XXSYSPRINT DD SYSOUT=A
5 XXSYSPUNCH DD SYSOUT=B
6 XXSYSLIN DD DSNAME=&LOADSET,UNIT=SYSSQ,DISP=(MOD,PASS),
XX SPACE=(400,(200,50),RLSE)
7 //SYSUT2 DD DSNAME=&SYSUT1,UNIT=SYSDA,SPACE=(1024,(200,20))
8 //SYSIN DD DSN=MANDEL.TEST.SOURCE(MAND#FOR),DISP=SHR
9 XXGO EXEC PGM=LOADER,COND=(4,LT),
XX PARM='LET,NORES,EP=MAIN'
10 XXSYSLIB DD DSNAME=SYS1.FORTLIB,DISP=SHR
11 XXSYSLOUT DD SYSOUT=A
12 XXSYSLIN DD DSNAME=&LOADSET,DISP=(OLD,DELETE)
13 XXFT05F001 DD DDNAME=SYSIN
14 XXFT06F001 DD SYSOUT=A
15 XXFT07F001 DD SYSOUT=B
```

STMT NO. MESSAGE

```

- 15 IEF686I DDNAME REFERRED TO ON DDNAME KEYWORD IN PRIOR STEP WAS NOT RESOLVED
IEF236I ALLOC. FOR MAND#FOR FORT
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I JES2 ALLOCATED TO SYSPUNCH
IEF237I 140 ALLOCATED TO SYSLIN
IEF237I 180 ALLOCATED TO SYSUT2
IEF237I 242 ALLOCATED TO SYSIN
IEF142I MAND#FOR FORT - STEP WAS EXECUTED - COND CODE 0000
IEF285I JES2.JOB01418.S00101 SYSOUT
IEF285I JES2.JOB01418.S00102 SYSOUT
IEF285I SYS20142.T195534.RA000.MAND#FOR.LOADSET PASSED *-----21
IEF285I VOL SER NOS= WORK00.
IEF285I SYS20142.T195534.RA000.MAND#FOR.SYSUT1 DELETED *-----3
IEF285I VOL SER NOS= WORK02.
IEF285I MANDEL.TEST.SOURCE KEPT *-----2
IEF285I VOL SER NOS= MV0001.
IEF373I STEP /FORT / START 20142.1955
IEF374I STEP /FORT / STOP 20142.1955 CPU OMIN 00.05SEC SRB OMIN 00.02SEC VIRT 292K SYS 164K
*****
* 1. JOBSTEP OF JOB: MAND#FOR STEPNAME: FORT PROGRAM NAME: IEKAA00 EXECUTED ON 21.05.20 FROM 19.55.34 TO 19.55.34 *
* ELAPSED TIME 00:00:00,19 CPU-IDENTIFIER: TK4- PAGE-IN: 0 *
* CPU TIME 00:00:00,07 VIRTUAL STORAGE USED: 292K PAGE-OUT: 0 *
* I/O OPERATION *
* NUMBER OF RECORDS READ VIA DD * OR DD DATA: 0 *
* DMY.....0 DMY.....0 140.....21 180.....3 242.....2 *
* *
* CHARGE FOR STEP (W/O SYSOUT): 0,11 *
*****
IEF236I ALLOC. FOR MAND#FOR GO
IEF237I 148 ALLOCATED TO SYSLIB
IEF237I JES2 ALLOCATED TO SYSLOUT
IEF237I 140 ALLOCATED TO SYSLIN
IEF237I DMY ALLOCATED TO FT05F001
IEF237I JES2 ALLOCATED TO FT06F001
IEF237I JES2 ALLOCATED TO FT07F001
IEF142I MAND#FOR GO - STEP WAS EXECUTED - COND CODE 0000
IEF285I SYS1.FORTLIB KEPT *-----65
IEF285I VOL SER NOS= MVSRES.
IEF285I JES2.JOB01418.S00103 SYSOUT
IEF285I SYS20142.T195534.RA000.MAND#FOR.LOADSET DELETED *-----22
IEF285I VOL SER NOS= WORK00.
IEF285I JES2.JOB01418.S00104 SYSOUT
IEF285I JES2.JOB01418.S00105 SYSOUT
IEF373I STEP /GO / START 20142.1955
IEF374I STEP /GO / STOP 20142.1955 CPU OMIN 00.09SEC SRB OMIN 00.01SEC VIRT 332K SYS 168K
*****
* 2. JOBSTEP OF JOB: MAND#FOR STEPNAME: GO PROGRAM NAME: LOADER EXECUTED ON 21.05.20 FROM 19.55.34 TO 19.55.34 *
* ELAPSED TIME 00:00:00,15 CPU-IDENTIFIER: TK4- PAGE-IN: 0 *
* CPU TIME 00:00:00,10 VIRTUAL STORAGE USED: 332K PAGE-OUT: 0 *
* I/O OPERATION *
* NUMBER OF RECORDS READ VIA DD * OR DD DATA: 0 *
* 148.....65 DMY.....0 140.....22 DMY.....0 DMY.....0 DMY.....0 *
* *
* CHARGE FOR STEP (W/O SYSOUT): 0,16 *
*****
IEF375I JOB /MAND#FOR/ START 20142.1955
IEF376I JOB /MAND#FOR/ STOP 20142.1955 CPU OMIN 00.14SEC SRB OMIN 00.03SEC

```

COMPILER OPTIONS - NAME= MAIN,OPT=02,LINECNT=50,SIZE=0000K,
SOURCE,EBCDIC,NOLIST,NODECK,LOAD,NOMAP,NOEDIT,NOID,XREF

```
ISN 0002      INTEGER XSIZE/131/,YSIZE/48/
ISN 0003      DOUBLE PRECISION MINRE/-2/,MINIM/-1/
ISN 0004      DOUBLE PRECISION MAXRE/1/,MAXIM/1/
ISN 0005      INTEGER X,Y,N
ISN 0006      DOUBLE PRECISION STEPX,STEPY,RE,IM,ZR,ZI,A,B
ISN 0007      LOGICAL*1 STR(27)/'A','B','C','D','E','F','G','H','I',
&                'J','K','L','M','N','O','P','Q','R',
&                'S','T','U','V','W','X','Y','Z',' '/
ISN 0008      LOGICAL*1 LINE(132)
ISN 0009      STEPX=(MAXRE-MINRE)/XSIZE
ISN 0010      STEPY=(MAXIM-MINIM)/YSIZE
ISN 0011      DO 40 Y=0,YSIZE
ISN 0012          IM=MINIM+STEPY*Y
ISN 0013          DO 30 X=0,XSIZE
ISN 0014              RE=MINRE+STEPX*X
ISN 0015              ZR=RE
ISN 0016              ZI=IM
ISN 0017              N=1
ISN 0018          10      A=ZR*ZR
ISN 0019              B=ZI*ZI
ISN 0020              IF((A+B).GT.4) GOTO 20
ISN 0022              ZI=ZR*ZI*2+IM
ISN 0023              ZR=A-B+RE
ISN 0024              N=N+1
ISN 0025              IF(N.LT.27) GOTO 10
ISN 0027          20      LINE(X+1)=STR(N)
ISN 0028          30      CONTINUE
ISN 0029              WRITE(6,100) LINE
ISN 0030          40      CONTINUE
ISN 0031              STOP
ISN 0032          100     FORMAT(1X,132A1)
ISN 0033      END
```

SYMBOL	INTERNAL STATEMENT NUMBERS					
A	0006	0018	0020	0023		
B	0006	0019	0020	0023		
N	0005	0017	0024	0024	0025	0027
X	0005	0013	0014	0027		
Y	0005	0011	0012			
IM	0006	0012	0016	0022		
RE	0006	0014	0015	0023		
ZI	0006	0016	0019	0019	0022	0022
ZR	0006	0015	0018	0018	0022	0023
STR	0007	0007	0027			
LINE	0008	0027	0029			
MAXIM	0004	0004	0010			
MAXRE	0004	0004	0009			
MINIM	0003	0003	0010	0012		
MINRE	0003	0003	0009	0014		
STEPX	0006	0009	0014			
STEPLY	0006	0010	0012			
XSIZE	0002	0002	0009	0013		
YSIZE	0002	0002	0010	0011		

LABEL	DEFINED	REFERENCES
10	0018	0025
20	0027	0020
30	0028	0013
40	0030	0011
100	0032	0029

OPTIONS IN EFFECT NAME= MAIN,OPT=02,LINECNT=50,SIZE=0000K,

OPTIONS IN EFFECT SOURCE,EBCDIC,NOLIST,NODECK,LOAD,NOMAP,NOEDIT,NOID,XREF

STATISTICS SOURCE STATEMENTS = 32 ,PROGRAM SIZE = 900

STATISTICS NO DIAGNOSTICS GENERATED

***** END OF COMPILATION *****

25K BYTES OF CORE NOT USED

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
MAIN	SD	AC010	IHCECOMH*	SD	AC398	IBCOM# *	LR	AC398	FDIOCS# *	LR	AC454	INTSWTCH*	LR	AD2DE
IHCCOMH2*	SD	AD300	SEQDASD *	LR	AD678	IHCFCVTH*	SD	AD960	ADCON# *	LR	AD960	FCVAOUTP*	LR	ADA0A
FCVLOUTP*	LR	ADA9A	FCVZOUTP*	LR	ADBF2	FCVIOUTP*	LR	ADFA6	FCVEOUTP*	LR	AE4A8	FCVCOUTP*	LR	AE6C2
INT6SWCH*	LR	AE9AB	IHCEFIO S*	SD	AEB18	FIOCS# *	LR	AEB18	FIOCSBEP*	LR	AEB1E	IHCFIOS2*	SD	AFA40
IHCEFNT H*	SD	AFF70	ARITH# *	LR	AFF70	ADJSWTCH*	LR	B030C	IHCUOPT *	SD	B04B8	IHCERRM *	SD	B07B8
ERRMON *	LR	B07B8	IHCERRE *	LR	B07D0	IHCUATBL*	SD	B0D98	IHCETRCH*	SD	B13D0	IHCTRCH *	LR	B13D0
ERRTRA *	LR	B13D8												

TOTAL LENGTH	5650
ENTRY ADDRESS	AC010

[illegible]

MM MM AAAAAAAAAA NN NN DDDDDDDDD ## ## FFFFFFFFFFFFFF 000000000000 RRRRRRRRRRR
MMM MMM AAAAAAAAAA NNN NN DDDDDDDDD ## ## FFFFFFFFFFFFFF 000000000000 RRRRRRRRRRR
MMMM MMMM AA AA NNNN NN DD DD ##### FF 00 00 RR RR
MM MM MM MM AA AA NN NN NN DD DD ##### FF 00 00 RR RR
MM MMMM MM AA AA NN NN NN DD DD ## ## FF 00 00 RR RR
MM MM MM AAAAAAAAAA NN NN NN NN DD DD ## ## FFFFFFFF 00 00 RRRRRRRRRRR
MM MM MM AAAAAAAAAA NN NN NN NN DD DD ## ## FFFFFFFF 00 00 RRRRRRRRRRR
MM MM AA AA NN NN NN NN DD DD ## ## FF 00 00 RR RR
MM MM AA AA NN NNNN DD DD ##### FF 00 00 RR RR
MM MM AA AA NN NNN DD DD ##### FF 00 00 RR RR
MM MM AA AA NN NN DDDDDDDDD ## ## FF 000000000000 RR RR
MM MM AA AA NN N DDDDDDDDD ## ## FF 000000000000 RR RR

JJJJJJJJJ 11 444 11 8888888888 AAAAAAAAAA
JJJJJJJJJJ 111 4444 111 888888888888 AAAAAAAAAA
JJ 1111 44 44 1111 88 88 AA AA
JJ 11 44 44 11 88 88 AA AA
JJ 11 44 44 11 88 88 AA AA
JJ 11 444444444444 11 88888888 AAAAAAAAAA
JJ 11 444444444444 11 88888888 AAAAAAAAAA
JJ 11 44 11 88 88 AA AA
JJ JJ 11 44 11 88 88 AA AA
JJ JJ 11 44 11 88 88 AA AA
JJJJJJJJ 1111111111 44 1111111111 888888888888 AA AA
JJJJJJ 1111111111 44 1111111111 8888888888 AA AA

****A	END	JOB 1418	MAND#FOR	ROOM	7.55.34 PM 21 MAY 20	PRINTER1	SYS TK4-	JOB 1418	END	A****
****A	END	JOB 1418	MAND#FOR	ROOM	7.55.34 PM 21 MAY 20	PRINTER1	SYS TK4-	JOB 1418	END	A****
****A	END	JOB 1418	MAND#FOR	ROOM	7.55.34 PM 21 MAY 20	PRINTER1	SYS TK4-	JOB 1418	END	A****
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