

JJJJJJJJJJ	11	444	11	55555555555	AAAAAAAAAA
JJJJJJJJJJ	111	4444	111	55555555555	AAAAAAAAAAAA
JJ	1111	44 44	1111	55	AA AA
JJ	11	44 44	11	55	AA AA
JJ	11	44 44	11	55	AA AA
JJ	11	444444444444	11	555555555	AAAAAAAAAAAA
JJ	11	44444444444444	11	5555555555	AAAAAAAAAAAA
JJ	11	44	11	55	AA AA
JJ JJ	11	44	11	55	AA AA
JJ JJ	11	44	11	55	AA AA
JJJJJJJJ	11111111111	44	11111111111	55555555555	AA AA
JJJJJJ	11111111111	44	11111111111	55555555555	AA AA

****A	START	JOB 1415	FF#FOR	ROOM	7.47.14 PM	21 MAY 20	PRINTER1	SYS TK4-	JOB 1415	START	A****
****A	START	JOB 1415	FF#FOR	ROOM	7.47.14 PM	21 MAY 20	PRINTER1	SYS TK4-	JOB 1415	START	A****
****A	START	JOB 1415	FF#FOR	ROOM	7.47.14 PM	21 MAY 20	PRINTER1	SYS TK4-	JOB 1415	START	A****
****A	START	JOB 1415	FF#FOR	ROOM	7.47.14 PM	21 MAY 20	PRINTER1	SYS TK4-	JOB 1415	START	A****

J E S 2 J O B L O G

19.47.09 JOB 1415 \$HASP373 FF#FOR STARTED - INIT 1 - CLASS A - SYS TK4-
19.47.09 JOB 1415 IEF403I FF#FOR - STARTED - TIME=19.47.09
19.47.12 JOB 1415 IEFACRT - STEPNAME PROCSTEP PROGRAM RETCODE
19.47.12 JOB 1415 FF#FOR FORT IEKAA00 RC= 0000
19.47.14 JOB 1415 FF#FOR GO LOADER RC= 0000
19.47.14 JOB 1415 IEF404I FF#FOR - ENDED - TIME=19.47.14
19.47.14 JOB 1415 \$HASP395 FF#FOR ENDED

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

21 MAY 20 JOB EXECUTION DATE

6 CARDS READ

1,119 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

0.08 MINUTES EXECUTION TIME

```
1 //FF#FOR JOB CLASS=A,MSGCLASS=A,MSGLEVEL=(1,1),NOTIFY=HERC01, JOB 1415
//      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 DSN=&LOADSET,UNIT=SYSSQ,DISP=(MOD,PASS),
  XX SPACE=(400,(200,50),RLSE)
7 //SYSUT2 DD DSN=&SYSUT1,UNIT=SYSDA,SPACE=(1024,(200,20))
8 //SYSIN DD DSN=FATT.TEST.SOURCE(FF#FOR),DISP=SHR
9 XXGO EXEC PGM=LOADER,COND=(4,LT),
  XX PARM='LET,NORES,EP=MAIN'
10 XXSYSLIB DD DSN=SYS1.FORTLIB,DISP=SHR
11 XXSYSLOUT DD SYSOUT=A
12 XXSYSLIN DD DSN=&LOADSET,DISP=(OLD,DELETE)
13 XXFT05F001 DD DDNAME=SYSIN
14 XXFT06F001 DD SYSOUT=A
15 XXFT07F001 DD SYSOUT=B
16 //GO.SYSIN DD DSN=FATT.TEST.DATA(FF),DISP=SHR
```

```

IEF236I ALLOC. FOR FF#FOR FORT
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I JES2 ALLOCATED TO SYSPUNCH
IEF237I 180 ALLOCATED TO SYSLIN
IEF237I 140 ALLOCATED TO SYSUT2
IEF237I 242 ALLOCATED TO SYSIN
IEF142I FF#FOR FORT - STEP WAS EXECUTED - COND CODE 0000
IEF285I JES2.JOB01415.S00101 SYSOUT
IEF285I JES2.JOB01415.S00102 SYSOUT
IEF285I SYS20142.T194709.RA000.FF#FOR.LOADSET PASSED *-----430
IEF285I VOL SER NOS= WORK02.
IEF285I SYS20142.T194709.RA000.FF#FOR.SYSUT1 DELETED *-----66
IEF285I VOL SER NOS= WORK00.
IEF285I FATT.TEST.SOURCE KEPT *-----3
IEF285I VOL SER NOS= MV0001.
IEF373I STEP /FORT / START 20142.1947
IEF374I STEP /FORT / STOP 20142.1947 CPU OMIN 00.43SEC SRB OMIN 00.49SEC VIRT 292K SYS 204K
*****
* 1. JOBSTEP OF JOB: FF#FOR STEPNAME: FORT PROGRAM NAME: IEKAA00 EXECUTED ON 21.05.20 FROM 19.47.09 TO 19.47.12 *
* ELAPSED TIME 00:00:02,22 CPU-IDENTIFIER: TK4- PAGE-IN: 0 *
* CPU TIME 00:00:00,92 VIRTUAL STORAGE USED: 292K PAGE-OUT: 0 *
* I/O OPERATION *
* NUMBER OF RECORDS READ VIA DD * OR DD DATA: 0 *
* DMY.....0 DMY.....0 180.....430 140.....66 242.....3 *
* *
* CHARGE FOR STEP (W/O SYSOUT): 1,53 *
*****
IEF236I ALLOC. FOR FF#FOR GO
IEF237I 148 ALLOCATED TO SYSLIB
IEF237I JES2 ALLOCATED TO SYSLOUT
IEF237I 180 ALLOCATED TO SYSLIN
IEF237I 242 ALLOCATED TO FT05F001
IEF237I JES2 ALLOCATED TO FT06F001
IEF237I JES2 ALLOCATED TO FT07F001
IEF142I FF#FOR GO - STEP WAS EXECUTED - COND CODE 0000
IEF285I SYS1.FORTLIB KEPT *-----81
IEF285I VOL SER NOS= MVSRES.
IEF285I JES2.JOB01415.S00103 SYSOUT
IEF285I SYS20142.T194709.RA000.FF#FOR.LOADSET DELETED *-----431
IEF285I VOL SER NOS= WORK02.
IEF285I FATT.TEST.DATA KEPT *-----2
IEF285I VOL SER NOS= MV0001.
IEF285I JES2.JOB01415.S00104 SYSOUT
IEF285I JES2.JOB01415.S00105 SYSOUT
IEF373I STEP /GO / START 20142.1947
IEF374I STEP /GO / STOP 20142.1947 CPU OMIN 02.35SEC SRB OMIN 00.08SEC VIRT 332K SYS 208K
*****
* 2. JOBSTEP OF JOB: FF#FOR STEPNAME: GO PROGRAM NAME: LOADER EXECUTED ON 21.05.20 FROM 19.47.12 TO 19.47.14 *
* ELAPSED TIME 00:00:02,84 CPU-IDENTIFIER: TK4- PAGE-IN: 0 *
* CPU TIME 00:00:02,43 VIRTUAL STORAGE USED: 332K PAGE-OUT: 0 *
* I/O OPERATION *
* NUMBER OF RECORDS READ VIA DD * OR DD DATA: 0 *
* 148.....81 DMY.....0 180.....431 242.....2 DMY.....0 DMY.....0 *
* *
* CHARGE FOR STEP (W/O SYSOUT): 4,05 *
*****
IEF375I JOB /FF#FOR / START 20142.1947
IEF376I JOB /FF#FOR / STOP 20142.1947 CPU OMIN 02.78SEC SRB OMIN 00.57SEC

```

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

C FIGURE FATTORIALI

C IL VETTORE CON LE CIFRE DEL FATTORIALE È GLOBALE

```
ISN 0002      COMMON C(8229)
ISN 0003      INTEGER MAX,MIN,MOD0,E/'E'/,G/'G'/,L/'L'/,O/'O'/,T/'T'/
ISN 0004      LOGICAL*1 C
ISN 0005      EXTERNAL LESA,LLOS,LOTT,LTRI,SESA,SLOS,SOTT,STRI
ISN 0006      READ(5,100) MOD0,MIN,MAX
ISN 0007      IF((MOD0.NE.G).AND.
&      (MOD0.NE.T).AND.(MOD0.NE.L).AND.(MOD0.NE.E).AND.(MOD0.NE.O))
ISN 0009      & CALL ERROR('MOD0 DEVE ESSERE SOLO G, T, L, E, O',35)
&      IF((MIN.LT.0).OR.(MAX.LT.0).OR.(MIN.GT.MAX))
ISN 0011      & CALL ERROR('LIMITI INCONSISTENTI',20)
&      IF((MOD0.EQ.T).AND.(MAX.GT.1494).OR.
&      (MOD0.EQ.L).AND.(MAX.GT.2545).OR.
&      (MOD0.EQ.E).AND.(MAX.GT.2236).OR.
&      (MOD0.EQ.O).AND.(MAX.GT.2739))
&      CALL ERROR('ECCEDA IL LIMITE DI 132 CARATTERI',33)
ISN 0013      IF(MOD0.EQ.G) CALL ESMP
ISN 0015      IF(MOD0.EQ.T) CALL TFOR(LTRI,STRI,MIN,MAX,'TRIANGOLO',9)
ISN 0017      IF(MOD0.EQ.L) CALL TFOR(LLOS,SLOS,MIN,MAX,'LOSANGA',7)
ISN 0019      IF(MOD0.EQ.E) CALL TFOR(LESA,SESA,MIN,MAX,'ESAGONO',7)
ISN 0021      IF(MOD0.EQ.O) CALL TFOR(LOTT,SOTT,MIN,MAX,'OTTAGONO',8)
ISN 0023      100 FORMAT(A1,2(1X14))
ISN 0024      STOP
ISN 0025      END
```

SYMBOL INTERNAL STATEMENT NUMBERS

[illegible]

LABEL	DEFINED	REFERENCES
100	0023	0006

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 = 24 ,PROGRAM SIZE = 1052

STATISTICS NO DIAGNOSTICS GENERATED

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

25K BYTES OF CORE NOT USED

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

C STAMPA USANDO STMP TUTTE LE FORME LFOR COMPRESSE TRA MIN E MAX

```
ISN 0002      SUBROUTINE TFOR(LFOR,STMP,MIN,MAX,FNAM,LNAM)
ISN 0003      COMMON C(8229)
ISN 0004      INTEGER FATT,LI,LMAX,LMIN,LN,LNC,LZF,MAX,MIN,N,NC,ZF,ZRFN
ISN 0005      REAL LFOR,LR
ISN 0006      LOGICAL*1 C
ISN 0007      C AMIN,AMAX,AN,ANC <= 9.999 AZF <= 999
ISN 0008      LOGICAL*1 AMAX(5),AMIN(5),AN(5),ANC(5),AZF(3),FNAM(LNAM)
ISN 0009      LOGICAL T1/.FALSE./,FF/.FALSE./
ISN 0010      CALL I2A(MIN,LMIN,AMIN)
ISN 0011      CALL I2A(MAX,LMAX,AMAX)
ISN 0012      DO 10 N=MIN,MAX
ISN 0013         NC=KMNT(N)
ISN 0014         LR=LFOR(NC)
ISN 0015         LI=LR
ISN 0016         IF(LR.NE.LI) GO TO 10
ISN 0017         T1=.TRUE.
ISN 0018         CALL STF(AMIN,LMIN,AMAX,LMAX,FNAM,LNAM,FF)
ISN 0019         FF=.TRUE.
ISN 0020         CALL STMP(FATT(N))
ISN 0021         CALL I2A(N,LN,AN)
ISN 0022         CALL I2A(NC,LNC,ANC)
ISN 0023         ZF=ZRFN(N)
ISN 0024         CALL I2A(ZF,LZF,AZF)
ISN 0025         CALL SFF(AN,LN,NC,ANC,LNC,ZF,AZF,LZF)
ISN 0026      10 CONTINUE
ISN 0027      IF(T1) RETURN
ISN 0029      CALL STF(AMIN,LMIN,AMAX,LMAX,FNAM,LNAM,FF)
ISN 0030      CALL SCEN('NESSUNO',7)
ISN 0031      RETURN
ISN 0032      END
```


SYMBOL	INTERNAL STATEMENT NUMBERS					
C	0003	0006				
N	0004	0011	0012	0020	0021	0023
AN	0007	0021	0025			
FF	0008	0008	0018	0019	0029	
LI	0004	0014	0015			
LN	0004	0021	0025			
LR	0005	0013	0014	0015		
NC	0004	0012	0013	0022	0025	
T1	0008	0008	0017	0027		
ZF	0004	0023	0024	0025		
ANC	0007	0022	0025			
AZF	0007	0024	0025			
I2A	0009	0010	0021	0022	0024	
LNC	0004	0022	0025			
LZF	0004	0024	0025			
MAX	0002	0004	0010	0011		
MIN	0002	0004	0009	0011		
SFF	0025					
STF	0018	0029				
AMAX	0007	0010	0018	0029		
AMIN	0007	0009	0018	0029		
FATT	0004	0020				
FNAM	0002	0007	0018	0029		
KMNT	0012					
LFOR	0002	0005	0013			
LMAX	0004	0010	0018	0029		
LMIN	0004	0009	0018	0029		
LNAM	0002	0007	0018	0029		
SCEN	0030					
STMP	0002	0020				
TFOR	0002					
ZRFN	0004	0023				

LABEL	DEFINED	REFERENCES
10	0026	0011 0015

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 = 31 ,PROGRAM SIZE = 878

STATISTICS NO DIAGNOSTICS GENERATED

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

25K BYTES OF CORE NOT USED

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

C FATTORIALE DI N: RITORNA NUMERO DI CIFRE E LE CIFRE IN C (GLOBALE)

```
ISN 0002      INTEGER FUNCTION FATT(N)
ISN 0003      COMMON C(8229)
ISN 0004      INTEGER I,M,N,NC,R
ISN 0005      LOGICAL*1 C
ISN 0006      NC=1
ISN 0007      C(1)=1
ISN 0008      IF(N.EQ.0) GO TO 50
ISN 0010      M=N
ISN 0011      10  R=0
ISN 0012      DO 20 I=1,NC
ISN 0013          R=C(I)*M+R
ISN 0014          C(I)=MOD(R,10)
ISN 0015          R=R/10
ISN 0016      20  CONTINUE
ISN 0017      30  IF(R.EQ.0) GO TO 40
ISN 0019          NC=NC+1
ISN 0020          C(NC)=MOD(R,10)
ISN 0021          R=R/10
ISN 0022          GO TO 30
ISN 0023      40  M=M-1
ISN 0024          IF(M.GT.1) GO TO 10
ISN 0026      50  FATT=NC
ISN 0027      RETURN
ISN 0028      END
```

SYMBOL	INTERNAL STATEMENT NUMBERS									
C	0003	0005	0007	0013	0014	0020				
I	0004	0012	0013	0014						
M	0004	0010	0013	0023	0023	0024				
N	0002	0004	0008	0010						
R	0004	0011	0013	0013	0014	0015	0015	0017	0020	0021
NC	0004	0006	0012	0019	0019	0020	0026			
MOD	0014	0020								
FATT	0002	0026								

LABEL	DEFINED	REFERENCES
10	0011	0024
20	0016	0012
30	0017	0022
40	0023	0017
50	0026	0008

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 = 27 ,PROGRAM SIZE = 386

STATISTICS NO DIAGNOSTICS GENERATED

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

29K BYTES OF CORE NOT USED

LEVEL 21.8 (JUN 74)

OS/360 FORTRAN H

DATE 20.142/19.47.10

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

C LATO TRIANGOLO COMPOSTO DA N CIFRE

ISN 0002 REAL FUNCTION LTRI(N)
ISN 0003 INTEGER N
ISN 0004 LTRI=SQRT(FLOAT(N))
ISN 0005 RETURN
ISN 0006 END

SYMBOL	INTERNAL STATEMENT NUMBERS		
N	0002	0003	0004
LTRI	0002	0004	
SQRT	0004		
FLOAT	0004		

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 = 5 ,PROGRAM SIZE = 282

STATISTICS NO DIAGNOSTICS GENERATED

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

29K BYTES OF CORE NOT USED

LEVEL 21.8 (JUN 74)

OS/360 FORTRAN H

DATE 20.142/19.47.10

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

C LATO LOSANGA COMPOSTA DA N CIFRE

ISN 0002 REAL FUNCTION LLOS(N)
ISN 0003 INTEGER N
ISN 0004 LLOS=(SQRT(2.*N-1)+1)/2
ISN 0005 RETURN
ISN 0006 END

SYMBOL	INTERNAL STATEMENT NUMBERS		
N	0002	0003	0004
LLOS	0002	0004	
SQRT	0004		

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 = 5 ,PROGRAM SIZE = 316

STATISTICS NO DIAGNOSTICS GENERATED

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

29K BYTES OF CORE NOT USED

LEVEL 21.8 (JUN 74)

OS/360 FORTRAN H

DATE 20.142/19.47.10

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

C LATO ESAGONO COMPOSTO DA N CIFRE

ISN 0002 REAL FUNCTION LESA(N)
ISN 0003 INTEGER N
ISN 0004 LESA=(SQRT(16.*N-7)+5)/8
ISN 0005 RETURN
ISN 0006 END

SYMBOL	INTERNAL STATEMENT NUMBERS		
N	0002	0003	0004
LESA	0002	0004	
SQRT	0004		

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 = 5 ,PROGRAM SIZE = 340

STATISTICS NO DIAGNOSTICS GENERATED

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

29K BYTES OF CORE NOT USED

LEVEL 21.8 (JUN 74)

OS/360 FORTRAN H

DATE 20.142/19.47.10

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

C LATO OTTAGONO COMPOSTO DA N CIFRE

ISN 0002 REAL FUNCTION LOTT(N)
ISN 0003 INTEGER N
ISN 0004 LOTT=(SQRT(7.*N-3)+5)/7
ISN 0005 RETURN
ISN 0006 END

SYMBOL	INTERNAL STATEMENT NUMBERS		
N	0002	0003	0004
LOTT	0002	0004	
SQRT	0004		

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 = 5 ,PROGRAM SIZE = 324

STATISTICS NO DIAGNOSTICS GENERATED

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

29K BYTES OF CORE NOT USED

LEVEL 21.8 (JUN 74)

OS/360 FORTRAN H

DATE 20.142/19.47.10

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

C KAMENETSKY: RITORNA IL NUMERO DI CIFRE DI N!

```
ISN 0002      INTEGER FUNCTION KMNT(N)
ISN 0003      INTEGER N
ISN 0004      REAL C1/1.83787706640934548/,C2/4.60517018598809136/
ISN 0005      IF(N.LT.2) GO TO 10
ISN 0007      KMNT=((C1-2*N+ALOG(FLOAT(N))*(1+2*N))/C2)+1
ISN 0008      RETURN
ISN 0009      10  KMNT=1
ISN 0010      RETURN
ISN 0011      END
```

SYMBOL	INTERNAL STATEMENT NUMBERS					
N	0002	0003	0005	0007	0007	0007
C1	0004	0004	0007			
C2	0004	0004	0007			
ALOG	0007					
KMNT	0002	0007	0009			
FLOAT	0007					

LABEL	DEFINED	REFERENCES
10	0009	0005

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 = 10 ,PROGRAM SIZE = 476

STATISTICS NO DIAGNOSTICS GENERATED

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

29K BYTES OF CORE NOT USED

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

C RITORNA IL NUMERO DI ZERI FINALI DI N!

ISN 0002		INTEGER FUNCTION ZRFN(N)
ISN 0003		INTEGER N,P,S,T
ISN 0004		T=0
ISN 0005		P=5
ISN 0006	10	S=N/P
ISN 0007		IF(S.GT.0) GO TO 20
ISN 0009		ZRFN=T
ISN 0010		RETURN
ISN 0011	20	T=T+S
ISN 0012		P=P*5
ISN 0013		GO TO 10
ISN 0014		END

SYMBOL	INTERNAL STATEMENT NUMBERS				
N	0002	0003	0006		
P	0003	0005	0006	0012	0012
S	0003	0006	0007	0011	
T	0003	0004	0009	0011	0011
ZRFN	0002	0009			

LABEL	DEFINED	REFERENCES
10	0006	0013
20	0011	0007

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 = 13 ,PROGRAM SIZE = 278

STATISTICS NO DIAGNOSTICS GENERATED

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

29K BYTES OF CORE NOT USED

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

C GLI ESEMPI TRATTI DAL LIBRO

```
ISN 0002  SUBROUTINE ESMP
ISN 0003  COMMON C(8229)
ISN 0004  INTEGER FATT
ISN 0005  LOGICAL*1 C
ISN 0006  CALL STE
ISN 0007  CALL STRI(FATT(12))
ISN 0008  CALL SFE('9 CIFRE DI 12! NEL TESTO A PAGINA 35',36)
ISN 0009  CALL STEFF
ISN 0010  CALL STRI(FATT(105))
ISN 0011  CALL SFE('169 CIFRE DI 105! FIGURA 10 A PAGINA 37',39)
ISN 0012  CALL STEFF
ISN 0013  CALL STRI(FATT(508))
ISN 0014  CALL SFE('1.156 CIFRE DI 508! FIGURA 11 A PAGINA 38',41)
ISN 0015  CALL STEFF
ISN 0016  CALL SLOS(FATT(35))
ISN 0017  CALL SFE('41 CIFRE DI 35! NEL TESTO ALLE PAGINE 37 E 38',45)
ISN 0018  CALL STEFF
ISN 0019  CALL SESA(FATT(477))
ISN 0020  CALL SFE('1.073 CIFRE DI 477! FIGURA 12 A PAGINA 39',41)
ISN 0021  CALL STEFF
ISN 0022  CALL SOTT(FATT(2206))
ISN 0023  CALL SFE('6.421 CIFRE DI 2.206! FIGURA 13 PAGINA 40',41)
ISN 0024  RETURN
ISN 0025  END
```

SYMBOL	INTERNAL STATEMENT NUMBERS					
C	0003	0005				
SFE	0008	0011	0014	0017	0020	0023
STE	0006					
ESMP	0002					
FATT	0004	0007	0010	0013	0016	0019 0022
SESA	0019					
SLOS	0016					
SOTT	0022					
STRI	0007	0010	0013			
STEFF	0009	0012	0015	0018	0021	

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 = 24 ,PROGRAM SIZE = 868

STATISTICS NO DIAGNOSTICS GENERATED

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

29K BYTES OF CORE NOT USED

LEVEL 21.8 (JUN 74)

OS/360 FORTRAN H

DATE 20.142/19.47.10

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

C STAMPA UNA LINEA LIN LUNGA LUN, CENTRATA

```
ISN 0002      SUBROUTINE SCEN(LIN,LUN)
ISN 0003      INTEGER B,CS,LUN
ISN 0004      LOGICAL*1 LIN(LUN)
ISN 0005      LOGICAL*1 BLANK/' '/
ISN 0006      CS=(132-LUN)/2
ISN 0007      WRITE(6,100) (BLANK,B=1,CS),LIN
ISN 0008      RETURN
ISN 0009      100  FORMAT(132A1)
ISN 0010      END
```

SYMBOL	INTERNAL STATEMENT NUMBERS			
B	0003	0007	0007	
CS	0003	0006	0007	
LIN	0002	0004	0007	
LUN	0002	0003	0004	0006
SCEN	0002			
BLANK	0005	0005	0007	

LABEL	DEFINED	REFERENCES
100	0009	0007

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 = 9 ,PROGRAM SIZE = 366

STATISTICS NO DIAGNOSTICS GENERATED

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

29K BYTES OF CORE NOT USED

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

C CONVERTE INTERO IN CARATTERI CON SEPARATORE DI MIGLIAIA

C N.B.

C * FUNZIONA FINO A 9.999

C * ALOG10 DA PROBLEMI DI PRECISIONE

```
ISN 0002      SUBROUTINE I2A(N, LN, A)
ISN 0003      INTEGER I, LN, M, N
ISN 0004      LOGICAL*1 A(LN), ZERO/'0'/', SEPM/'.'/'
ISN 0005      M=N
ISN 0006      I=0
ISN 0007      10  M=M/10
ISN 0008      IF(M.EQ.0) GO TO 20
ISN 0010      I=I+1
ISN 0011      GO TO 10
ISN 0012      20  LN=I+I/3+1
ISN 0013      M=N
ISN 0014      I=0
ISN 0015      30  IF(I.NE.3) GO TO 40
ISN 0017      A(LN-I)=SEPM
ISN 0018      I=I+1
ISN 0019      40  A(LN-I)=ZERO+MOD(M,10)
ISN 0020      I=I+1
ISN 0021      M=M/10
ISN 0022      IF(M.GT.0) GO TO 30
ISN 0024      RETURN
ISN 0025      END
```

PAGE 002

[illegible]

LABEL	DEFINED	REFERENCES
10	0007	0011
20	0012	0008
30	0015	0022
40	0019	0015

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 = 24 ,PROGRAM SIZE = 458

STATISTICS NO DIAGNOSTICS GENERATED

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

29K BYTES OF CORE NOT USED

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

C CREA UNA LINEA (DELLA FORMA) LUNGA LUN A PARTIRE DA NC E LA STAMPA

```
ISN 0002      SUBROUTINE SLIN(LUN,NC)
ISN 0003      COMMON C(8229)
ISN 0004      INTEGER I,LUN,NC
ISN 0005      LOGICAL*1 C
ISN 0006      LOGICAL*1 LIN(132)
ISN 0007      LOGICAL*1 ZERO/'0'/
ISN 0008      DO 10 I=1,LUN
ISN 0009          LIN(I)=ZERO+C(NC)
ISN 0010          NC=NC-1
ISN 0011  10   CONTINUE
ISN 0012      CALL SCEN(LIN,LUN)
ISN 0013      RETURN
ISN 0014      END
```

SYMBOL	INTERNAL STATEMENT NUMBERS				
C	0003	0005	0009		
I	0004	0008	0009		
NC	0002	0004	0009	0010	0010
LIN	0006	0009	0012		
LUN	0002	0004	0008	0012	
SCEN	0012				
SLIN	0002				
ZERO	0007	0007	0009		

LABEL	DEFINED	REFERENCES
10	0011	0008

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 = 13 ,PROGRAM SIZE = 446

STATISTICS NO DIAGNOSTICS GENERATED

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

29K BYTES OF CORE NOT USED

LEVEL 21.8 (JUN 74)

OS/360 FORTRAN H

DATE 20.142/19.47.11

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

C STAMPA IN FORMA DI TRIANGOLO DATO NUMERO DI CIFRE NC

```
ISN 0002      SUBROUTINE STRI(NC)
ISN 0003      INTEGER I,L,NC
ISN 0004      REAL LTRI
ISN 0005      L=2*LTRI(NC)
ISN 0006      DO 10 I=1,L,2
ISN 0007          CALL SLIN(I,NC)
ISN 0008  10   CONTINUE
ISN 0009      RETURN
ISN 0010      END
```

SYMBOL	INTERNAL STATEMENT NUMBERS			
I	0003	0006	0007	
L	0003	0005	0006	
NC	0002	0003	0005	0007
LTRI	0004	0005		
SLIN	0007			
STRI	0002			

LABEL	DEFINED	REFERENCES
10	0008	0006

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 = 9 ,PROGRAM SIZE = 342

STATISTICS NO DIAGNOSTICS GENERATED

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

29K BYTES OF CORE NOT USED

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

C STAMPA IN FORMA DI LOSANGA DATO NUMERO DI CIFRE NC

ISN 0002 SUBROUTINE SLOS(NC)

ISN 0003 INTEGER I,L,NC

ISN 0004 REAL LLOS

ISN 0005 L=2*LLOS(NC)

ISN 0006 DO 10 I=1,L,2

ISN 0007 CALL SLIN(I,NC)

ISN 0008 10 CONTINUE

C TEST PERCHÉ FORTRAN ESEGUE SEMPRE ALMENO UNA VOLTA I DO LOOP

ISN 0009 IF(L.EQ.2) RETURN

ISN 0011 DO 20 I=3,L,2

ISN 0012 CALL SLIN(L-I,NC)

ISN 0013 20 CONTINUE

ISN 0014 RETURN

ISN 0015 END

SYMBOL	INTERNAL STATEMENT NUMBERS					
I	0003	0006	0007	0011	0012	
L	0003	0005	0006	0009	0011	0012
NC	0002	0003	0005	0007	0012	
LLOS	0004	0005				
SLIN	0007	0012				
SLOS	0002					

LABEL	DEFINED	REFERENCES
10	0008	0006
20	0013	0011

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 = 14 ,PROGRAM SIZE = 384

STATISTICS NO DIAGNOSTICS GENERATED

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

29K BYTES OF CORE NOT USED

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

C STAMPA IN FORMA DI ESAGONO DATO NUMERO DI CIFRE NC

ISN 0002

SUBROUTINE SESA(NC)

ISN 0003

INTEGER I,L,L1,L2,NC

ISN 0004

REAL LESA

ISN 0005

L=LESA(NC)

ISN 0006

L1=2*L-1

ISN 0007

DO 10 I=0,L1,2

ISN 0008

CALL SLIN(L+I,NC)

ISN 0009

10

CONTINUE

C TEST PERCHÉ FORTRAN ESEGUE SEMPRE ALMENO UNA VOLTA I DO LOOPS

ISN 0010

IF(L.EQ.1) RETURN

ISN 0012

L2=L1+L

ISN 0013

DO 20 I=3,L1,2

ISN 0014

CALL SLIN(L2-I,NC)

ISN 0015

20

CONTINUE

ISN 0016

RETURN

ISN 0017

END

SYMBOL	INTERNAL STATEMENT NUMBERS					
I	0003	0007	0008	0013	0014	
L	0003	0005	0006	0008	0010	0012
L1	0003	0006	0007	0012	0013	
L2	0003	0012	0014			
NC	0002	0003	0005	0008	0014	
LESA	0004	0005				
SESA	0002					
SLIN	0008	0014				

LABEL	DEFINED	REFERENCES
10	0009	0007
20	0015	0013

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 = 16 ,PROGRAM SIZE = 410

STATISTICS NO DIAGNOSTICS GENERATED

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

29K BYTES OF CORE NOT USED

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

C STAMPA IN FORMA DI OTTAGONO DATO NUMERO DI CIFRE NC

```
ISN 0002      SUBROUTINE SOTT(NC)
ISN 0003      INTEGER I,L,L1,L2
ISN 0004      REAL LOTT
ISN 0005      L=LOTT(NC)
ISN 0006      L1=2*L-1
ISN 0007      DO 10 I=0,L1,2
ISN 0008          CALL SLIN(L+I,NC)
ISN 0009  10   CONTINUE
C TEST PERCHÉ FORTRAN ESEGUE SEMPRE ALMENO UNA VOLTA I DO LOOP
ISN 0010      IF(L.EQ.1) RETURN
ISN 0012      L2=L1+L-1
ISN 0013      DO 20 I=2,L
ISN 0014          CALL SLIN(L2,NC)
ISN 0015  20   CONTINUE
ISN 0016      DO 30 I=2,L1,2
ISN 0017          CALL SLIN(L2-I,NC)
ISN 0018  30   CONTINUE
ISN 0019      RETURN
ISN 0020      END
```


SYMBOL	INTERNAL STATEMENT NUMBERS						
I	0003	0007	0008	0013	0016	0017	
L	0003	0005	0006	0008	0010	0012	0013
L1	0003	0006	0007	0012	0016		
L2	0003	0012	0014	0017			
NC	0002	0005	0008	0014	0017		
LOTT	0004	0005					
SLIN	0008	0014	0017				
SOTT	0002						

LABEL	DEFINED	REFERENCES
10	0009	0007
20	0015	0013
30	0018	0016

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 = 19 ,PROGRAM SIZE = 454

STATISTICS NO DIAGNOSTICS GENERATED

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

29K BYTES OF CORE NOT USED

LEVEL 21.8 (JUN 74)

OS/360 FORTRAN H

DATE 20.142/19.47.11

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

```
ISN 0002      C STAMPA TESTATA ESEMPI, PRIMA SALTA UNA PAGINA
ISN 0003      SUBROUTINE STEFF
              WRITE(6,100)
ISN 0004      C STAMPA TESTATA ESEMPI, SENZA PRIMA SALTARE UNA PAGINA
ISN 0005      ENTRY STE
ISN 0006      CALL SCEN('MARTIN GARDNER, SHOW DI MAGIA MATEMATICA',40)
ISN 0007      CALL SCEN(' ',1)
ISN 0007      RETURN
ISN 0008      100  FORMAT('1')
ISN 0009      END
```

SYMBOL	INTERNAL STATEMENT NUMBERS	
STE	0004	
SCEN	0005	0006
STEFF	0002	

LABEL	DEFINED	REFERENCES
100	0008	0003

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 = 8 ,PROGRAM SIZE = 368

STATISTICS NO DIAGNOSTICS GENERATED

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

29K BYTES OF CORE NOT USED

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

C STAMPA TESTATA FORME

```
ISN 0002      SUBROUTINE STF(AMIN,LMIN,AMAX,LMAX,FNAM,LNAM,FF)
ISN 0003      INTEGER B,CS,LMAX,LMIN,LNAM
ISN 0004      LOGICAL*1 AMAX(LMAX),AMIN(LMIN),FNAM(LNAM)
ISN 0005      LOGICAL*1 S1(12)/'I','N',' ','F','O','R','M','A',' ','D','I',' '/
ISN 0006      LOGICAL*1 S2(4)/' ','D','A',' '/
ISN 0007      LOGICAL*1 S3(9)/'!',' ','F','I','N','O',' ','A',' '/
ISN 0008      LOGICAL*1 S4/'!'/
ISN 0009      LOGICAL*1 BLANK/' '/
ISN 0010      LOGICAL FF
ISN 0011      IF(FF) WRITE(6,100)
ISN 0013      CS=(132-(12+LMIN+4+LMAX+9+LNAM+1))/2
ISN 0014      WRITE(6,200) (BLANK,B=1,CS),S1,FNAM,S2,AMIN,S3,AMAX,S4
ISN 0015      CALL SCEN(' ',1)
ISN 0016      RETURN
ISN 0017      100  FORMAT('1')
ISN 0018      200  FORMAT(132A1)
ISN 0019      END
```

SYMBOL INTERNAL STATEMENT NUMBERS

B	0003	0014	0014	
CS	0003	0013	0014	
FF	0002	0010	0011	
S1	0005	0005	0014	
S2	0006	0006	0014	
S3	0007	0007	0014	
S4	0008	0008	0014	
STF	0002			
AMAX	0002	0004	0014	
AMIN	0002	0004	0014	
FNAM	0002	0004	0014	
LMAX	0002	0003	0004	0013
LMIN	0002	0003	0004	0013
LNAM	0002	0003	0004	0013
SCEN	0015			
BLANK	0009	0009	0014	

LABEL	DEFINED	REFERENCES
100	0017	0011
200	0018	0014

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 = 18 ,PROGRAM SIZE = 724

STATISTICS NO DIAGNOSTICS GENERATED

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

25K BYTES OF CORE NOT USED

LEVEL 21.8 (JUN 74)

OS/360 FORTRAN H

DATE 20.142/19.47.11

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

C STAMPA FONDO ESEMPI: LINEA LIN LUNGA LUN

```
ISN 0002      SUBROUTINE SFE(LIN,LUN)
ISN 0003      INTEGER LUN
ISN 0004      LOGICAL*1 LIN(LUN)
ISN 0005      CALL SCEN(' ',1)
ISN 0006      CALL SCEN(LIN,LUN)
ISN 0007      RETURN
ISN 0008      END
```

SYMBOL	INTERNAL STATEMENT NUMBERS			
LIN	0002	0004	0006	
LUN	0002	0003	0004	0006
SFE	0002			
SCEN	0005	0006		

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 = 7 ,PROGRAM SIZE = 290

STATISTICS NO DIAGNOSTICS GENERATED

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

29K BYTES OF CORE NOT USED

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

C STAMPA FONDO FORME

```
ISN 0002      SUBROUTINE SFF(AN, LN, NC, ANC, LNC, ZF, AZF, LZF)
ISN 0003      INTEGER B, CS, LN, LNC, LZF, NC, ZF
ISN 0004      LOGICAL*1 AN(LN), ANC(LNC), AZF(LZF)
ISN 0005      LOGICAL*1 S1(5)/'!', ' ', 'D', 'I', ' '/
ISN 0006      LOGICAL*1 S2(6)/' ', 'C', 'I', 'F', 'R', 'A' /
ISN 0007      LOGICAL*1 S3(5)/' ', 'C', 'O', 'N', ' ' /
ISN 0008      LOGICAL*1 S4(12)/' ', 'Z', 'E', 'R', 'O', ' ', ' ', 'F', 'I', 'N', 'I', 'S', 'H', 'E' /
ISN 0009      LOGICAL*1 BLANK/' ', 'E', 'E', 'I', 'I' /
ISN 0010      IF(NC.GT.1) S2(6)=E
ISN 0012      IF(ZF.NE.0) GO TO 10
ISN 0014      CS=(132-(LN+5+LNC+6))/2
ISN 0015      WRITE(6,100) (BLANK,B=1,CS), AN, S1, ANC, S2
ISN 0016      RETURN
ISN 0017      10  IF(ZF.EQ.1) GO TO 20
ISN 0019      S4(5)=I
ISN 0020      S4(12)=I
ISN 0021      20  CS=(132-(LN+5+LNC+6+5+LZF+12))/2
ISN 0022      WRITE(6,100) (BLANK,B=1,CS), AN, S1, ANC, S2, S3, AZF, S4
ISN 0023      RETURN
ISN 0024      100 FORMAT(/132A1)
ISN 0025      END
```

SYMBOL	INTERNAL STATEMENT NUMBERS				
B	0003	0015	0015	0022	0022
E	0009	0009	0010		
I	0009	0009	0019	0020	
AN	0002	0004	0015	0022	
CS	0003	0014	0015	0021	0022
LN	0002	0003	0004	0014	0021
NC	0002	0003	0010		
S1	0005	0005	0015	0022	
S2	0006	0006	0010	0015	0022
S3	0007	0007	0022		
S4	0008	0008	0019	0020	0022
ZF	0002	0003	0012	0017	
ANC	0002	0004	0015	0022	
AZF	0002	0004	0022		
LNC	0002	0003	0004	0014	0021
LZF	0002	0003	0004	0021	
SFF	0002				
BLANK	0009	0009	0015	0022	

LABEL	DEFINED	REFERENCES
10	0017	0012
20	0021	0017
100	0024	0015 0022

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 = 24 ,PROGRAM SIZE = 914

STATISTICS NO DIAGNOSTICS GENERATED

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

25K BYTES OF CORE NOT USED

LEVEL 21.8 (JUN 74)

OS/360 FORTRAN H

DATE 20.142/19.47.11

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

C RIPOSTA MESSAGGIO DI ERRORE E MUORE

ISN 0002 SUBROUTINE ERROR(ERR,LUN)
ISN 0003 INTEGER LUN
ISN 0004 LOGICAL*1 ERR(LUN)
ISN 0005 WRITE(6,100) ERR
ISN 0006 STOP
ISN 0007 100 FORMAT(1X'ERRORE: ',124A1)
ISN 0008 END

SYMBOL	INTERNAL STATEMENT NUMBERS		
ERR	0002	0004	0005
LUN	0002	0003	0004
ERROR	0002		

LABEL	DEFINED	REFERENCES
100	0007	0005

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 = 7 ,PROGRAM SIZE = 304

STATISTICS NO DIAGNOSTICS GENERATED

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

29K BYTES OF CORE NOT USED

STATISTICS NO DIAGNOSTICS THIS STEP

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	TFOR	SD	AC430	FATT	SD	AC7A0	LTRI	SD	AC928	LLOS	SD	ACA48
LESA	SD	ACB88	LOTT	SD	ACCE0	KMNT	SD	ACE28	ZRFN	SD	AD008	ESMP	SD	AD120
SCEN	SD	AD488	I2A	SD	AD5F8	SLIN	SD	AD7C8	STRI	SD	AD988	SLOS	SD	ADAE0
SESA	SD	ADC60	SOTT	SD	ADE00	STEFF	SD	ADFC8	STE	LR	AE0F4	STF	SD	AE138
SFE	SD	AE410	SFF	SD	AE538	ERROR	SD	AE8D0	IHCECOMH*	SD	AEA00	IBCOM# *	LR	AEA00
FDIOCS# *	LR	AEABC	INTSWTCH*	LR	AF946	IHCCOMH2*	SD	AF968	SEQDASD *	LR	AFCE0	IHCSSQRT*	SD	AFFC8
SQRT *	LR	AFFC8	IHCSLOG *	SD	B0110	ALOG10 *	LR	B0110	ALOG *	LR	B0128	IHCFCVTH*	SD	B02C8
ADCON# *	LR	B02C8	FCVAOUTP*	LR	B0372	FCVLOUTP*	LR	B0402	FCVZOUTP*	LR	B055A	FCVIOUTP*	LR	B090E
FCVEOUTP*	LR	B0E10	FCVCOUTP*	LR	B102A	INT6SWCH*	LR	B1313	IHCEFIOS*	SD	B1480	FIICS# *	LR	B1480
FIICSBEP*	LR	B1486	IHCFIOS2*	SD	B23A8	IHCEFNTN*	SD	B28D8	ARITH# *	LR	B28D8	ADJSWTCH*	LR	B2C74
IHCUOPT *	SD	B2E20	IHCERRM *	SD	B3120	ERRMON *	LR	B3120	IHCERRE *	LR	B3138	IHCUATBL*	SD	B3700
IHCETRCH*	SD	B3D38	IHCTRCH *	LR	B3D38	ERRTRA *	LR	B3D40	\$BLANKCOM	CM	B3FC8			

TOTAL LENGTH 9FDD
ENTRY ADDRESS AC010

MARTIN GARDNER, SHOW DI MAGIA MATEMATICA

4
790
01600

9 CIFRE DI 12! NEL TESTO A PAGINA 35

MARTIN GARDNER, SHOW DI MAGIA MATEMATICA

1
081
39675
8240290
900504101
30580032964
9720646107774
902579144176636
57322653190990515
3326984536526808240
339776398934872029657
99387290781343681609728
000000000000000000000000

169 CIFRE DI 105! FIGURA 10 A PAGINA 37

MARTIN GARDNER, SHOW DI MAGIA MATEMATICA

[illegible]

1.156 CIFRE DI 508! FIGURA 11 A PAGINA 38

MARTIN GARDNER, SHOW DI MAGIA MATEMATICA

1
033
31479
6638614
492966665
1337523
20000
000
0

41 CIFRE DI 35! NEL TESTO ALLE PAGINE 37 E 38

MARTIN GARDNER, SHOW DI MAGIA MATEMATICA

17108972589718074
1439528307936299026
080765545554532458183
43255130543516432376912
4663791911119657860822050
367340495642348613717749611
38104459104482535212494659899
5225079402598873366451131040234
240130493689852679573590918519290
66647636392705738600295487428650940
0535103538524596394743595531728001643
083783948745781956212836911156587085000
40781396853030778257813849856692950471963
5089328018573725755534194119396813233357487
709737509271413007324171020350516977549843435
61187933295519151457453789138048055187827977590
7750007855795139817496078270462761613125177420579
97170554688538703689036095806399241086011592997
020790226888203087101533653915806041722653430
0377642434651424325601245917031000886439794
86942002854170097571338930915447098888372
333024657251637441276280296188483408232
2723195014038951851520634322622612616
12431271509190879459978732133255390
601413833379281814639023615443036
2338368861798856260050552801204
22598617062894203619648023806
8096438328360960000000000000
0000000000000000000000000000
0000000000000000000000000000
0000000000000000000000000000
0000000000000000000000000000
0000000000000000000000000000

1.073 CIFRE DI 477! FIGURA 12 A PAGINA 39

MARTIN GARDNER, SHOW DI MAGIA MATEMATICA

1025729611602273508352741640301
162679407322869608383074471138746
30490176947592788989158028363440992
4881004274871081412845389545578617964
937451453403559961733083620099625538065
41010396598345035653688604954874028604784
6935414801400008952354538805490908409959861
660246045191650260507136760688118903350996713
21823947514423961017742558259080494678177458085
2586022822207646670820883488582338159458352125708
362194967520635351099568538807160144980504808697217
60361821401601138846975754268977469634297805191393877
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