

JJJJJJJJJJ	55555555555	77777777777	9999999999	AAAAAAAAAA
JJJJJJJJJJ	55555555555	77777777777	99999999999	AAAAAAAAAAAA
JJ	55	77	99	AA
JJ	55	77	99	AA
JJ	55	77	99	AA
JJ	55555555	77	99999999999	AAAAAAAAAAAA
JJ	5555555555	77	99999999999	AAAAAAAAAAAA
JJ	55	77	99	AA
JJ	55	77	99	AA
JJ	55	77	99	AA
JJJJJJJJ	55555555555	77	99999999999	AA
JJJJJJ	55555555555	77	9999999999	AA

****A	START	JOB	579	FF#PAS	ROOM	8.08.18	PM	23	APR	20	PRINTER1	SYS	TK4-	JOB	579	START	A****
****A	START	JOB	579	FF#PAS	ROOM	8.08.18	PM	23	APR	20	PRINTER1	SYS	TK4-	JOB	579	START	A****
****A	START	JOB	579	FF#PAS	ROOM	8.08.18	PM	23	APR	20	PRINTER1	SYS	TK4-	JOB	579	START	A****
****A	START	JOB	579	FF#PAS	ROOM	8.08.18	PM	23	APR	20	PRINTER1	SYS	TK4-	JOB	579	START	A****

J E S 2 J O B L O G

20.08.13 JOB 579 \$HASP373 FF#PAS STARTED - INIT 1 - CLASS A - SYS TK4-
20.08.13 JOB 579 IEF403I FF#PAS - STARTED - TIME=20.08.13
20.08.13 JOB 579 IEFACRT - STEPNAME PROCSTEP PROGRAM RETCODE
20.08.13 JOB 579 FF#PAS COMPILE PASCAL RC= 0000
20.08.13 JOB 579 FF#PAS POSTPROC ASMPCODE RC= 0000
20.08.18 JOB 579 FF#PAS GO LOADER RC= 0000
20.08.18 JOB 579 IEF404I FF#PAS - ENDED - TIME=20.08.18
20.08.18 JOB 579 \$HASP395 FF#PAS ENDED

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

23 APR 20 JOB EXECUTION DATE

5 CARDS READ

406 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

0.09 MINUTES EXECUTION TIME

1	//FF#PAS	JOB CLASS=A,MSGCLASS=A,MSGLEVEL=(1,1),NOTIFY=HERC01,	JOB 579
	//	USER=HERC01,PASSWORD=	GENERATED BY IKJEFF10
2	// EXEC PASC	CG,PARM.COMPILE='L-D-',PARM.GO=NO	PRINT
3	XXPASC	CG PROC GOTIME=299,GOPARM=,GOREG=2048K,DUMP='DUMMY',	00010000
	XX	SOUT='*',WORK=VIO,OPT='M+' 1..72 MARGINS	00020000
	***		00030000
	***		00040000
4	XXCOMPILE	EXEC PGM=PASCAL,REGION=8192K,PARM='&OPT'	00050000
5	XXSTEPLIB	DD DSN=PASCAL.PASLIB,DISP=SHR	00060000
6	XXINPUT	DD DDNAME=SYSIN	00070000
7	XXPRD	DD DSN=PASCAL.PASOBJ(PASMSG),DISP=SHR	00080000
8	XXOUTPUT	DD SYSOUT=&SOUT	00090000
9	XXPRR	DD DSN=&&PCODE,UNIT=&WORK,DCB=RECFM=VB,	00100000
	XX	SPACE=(TRK,(20,5),RLSE),DISP=(,PASS)	00110000
10	XXQRR	DD DSN=&&TABLES,UNIT=&WORK,DCB=RECFM=VB,	00120000
	XX	SPACE=(TRK,(5,2),RLSE),DISP=(,PASS)	00130000
	***		00140000
	***		00150000
11	//SYSIN	DD DSN=FATT.TEST.SOURCE(FF#PAS),DISP=SHR	
12	XXPOSTPROC	EXEC PGM=ASMPCODE,COND=(0,LT,COMPILE),REGION=2048K	00160000
13	XXSTEPLIB	DD DSN=PASCAL.PASLIB,DISP=SHR	00170000
14	XXINPUT	DD DSN=*.COMPILE.PRR,DISP=(OLD,DELETE)	00180000
15	XXPRD	DD DSN=*.COMPILE.QRR,DISP=(OLD,PASS)	00190000
16	XXOUTPUT	DD SYSOUT=&SOUT	00200000
17	XXPRR	DD DSN=&&OBJECT,UNIT=&WORK,DCB=RECFM=FB,	00210000
	XX	SPACE=(TRK,(10,5),RLSE),DISP=(,PASS)	00220000
	***		00230000
	***		00240000
18	XXGO	EXEC PGM=LOADER,COND=((0,LT,COMPILE),(0,LT,POSTPROC)),	00250000
	XX	PARM='//TIME=&GOTIME,&GOPARM',REGION=&GOREG	00260000
19	XXSTEPLIB	DD DSN=PASCAL.PASLIB,DISP=SHR (NEEDED FOR K+ ONLY)	00270000
20	XXSYSLIN	DD DSN=*.POSTPROC.PRR,DISP=(OLD,DELETE)	00280000
21	XXSYSLOUT	DD SYSOUT=&SOUT	00290000
22	XXSYSLIB	DD DISP=SHR,DSN=PASCAL.PASLIB	00300000
23	XX	DD DISP=SHR,DSN=SYS1.FORTLIB	00310000
24	XXINPUT	DD DDNAME=SYSIN	00320000
25	XXPRD	DD DUMMY	00330000
26	XXQRR	DD DSN=*.COMPILE.QRR,DISP=(OLD,DELETE)	00340000
27	XXFT06F001	DD SYSOUT=&SOUT	00350000
28	XXOUTPUT	DD SYSOUT=&SOUT	00360000
29	XXQRR	DD UNIT=&WORK,SPACE=(TRK,(2,2))	00370000
30	XXSYSUDUMP	DD &DUMP.SYSOUT=&SOUT	00380000
	***		00390000
31	//GO.SYSIN	DD DSN=FATT.TEST.DATA(FF),DISP=SHR	

STMT NO. MESSAGE

4 IEF653I SUBSTITUTION JCL - PGM=PASCAL,REGION=8192K,PARM='M+'
 8 IEF653I SUBSTITUTION JCL - SYSOUT=*
 9 IEF653I SUBSTITUTION JCL - DSN=88PCODE,UNIT=VIO,DCB=RECFM=VB,
 10 IEF653I SUBSTITUTION JCL - DSN=88TABLES,UNIT=VIO,DCB=RECFM=VB,
 16 IEF653I SUBSTITUTION JCL - SYSOUT=*
 17 IEF653I SUBSTITUTION JCL - DSN=88OBJECT,UNIT=VIO,DCB=RECFM=FB,
 18 IEF653I SUBSTITUTION JCL - PARM='//TIME=299,',REGION=2048K
 21 IEF653I SUBSTITUTION JCL - SYSOUT=*
 27 IEF653I SUBSTITUTION JCL - SYSOUT=*
 28 IEF653I SUBSTITUTION JCL - SYSOUT=*
 29 IEF653I SUBSTITUTION JCL - UNIT=VIO,SPACE=(TRK,(2,2))
 30 IEF653I SUBSTITUTION JCL - DUMMY,SYSOUT=*

IEF236I ALLOC. FOR FF#PAS COMPILE
 IEF237I 280 ALLOCATED TO STEPLIB
 IEF237I 191 ALLOCATED TO SYS00020
 IEF237I 242 ALLOCATED TO INPUT
 IEF237I 290 ALLOCATED TO PRD
 IEF237I JES2 ALLOCATED TO OUTPUT
 IEF237I VIO ALLOCATED TO PRR
 IEF237I VIO ALLOCATED TO QRR

IEF142I FF#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 FATT.TEST.SOURCE	KEPT	*-----3
IEF285I VOL SER NOS= MV0001.		
IEF285I PASCAL.PASOBJ	KEPT	*-----0
IEF285I VOL SER NOS= PUB003.		
IEF285I JES2.JOB00579.S00101	SYSOUT	
IEF285I SYS20114.T200813.RA000.FF#PAS.PCODE	PASSED	*-----8
IEF285I SYS20114.T200813.RA000.FF#PAS.TABLES	PASSED	*-----2

IEF373I STEP /COMPILE / START 20114.2008

IEF374I STEP /COMPILE / STOP 20114.2008 CPU OMIN 00.11SEC SRB OMIN 00.01SEC VIRT 4148K SYS 272K

 * 1. JOBSTEP OF JOB: FF#PAS STEPNAME: COMPILE PROGRAM NAME: PASCAL EXECUTED ON 23.04.20 FROM 20.08.13 TO 20.08.13 *
 * ELAPSED TIME 24:00:00,30 CPU-IDENTIFIER: TK4- PAGE-IN: 0 *
 * CPU TIME 00:00:00,12 VIRTUAL STORAGE USED: 4148K PAGE-OUT: 0 *
 * CORR. CPU: 00:00:00,12 CPU TIME HAS BEEN CORRECTED BY 1 / 1,0 MULTIPLIER *
 * *
 * I/O OPERATION *
 * NUMBER OF RECORDS READ VIA DD * OR DD DATA: 0 *
 * 280.....0 191.....0 242.....3 290.....0 DMY.....0 FFF.....8 FFF.....2 *
 * *
 * CHARGE FOR STEP (W/O SYSOUT): 0,20 *
 * *****

IEF236I ALLOC. FOR FF#PAS POSTPROC
 IEF237I 280 ALLOCATED TO STEPLIB
 IEF237I 191 ALLOCATED TO SYS00022
 IEF237I VIO ALLOCATED TO INPUT
 IEF237I VIO ALLOCATED TO PRD
 IEF237I JES2 ALLOCATED TO OUTPUT
 IEF237I VIO ALLOCATED TO PRR

IEF142I FF#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 SYS20114.T200813.RA000.FF#PAS.PCODE	DELETED	*-----9
IEF285I SYS20114.T200813.RA000.FF#PAS.TABLES	PASSED	*-----3
IEF285I JES2.JOB00579.S00102	SYSOUT	

```
IEF285I  SYS20114.T200813.RA000.FF#PAS.OBJECT      PASSED      *-----7
IEF373I  STEP /POSTPROC/ START 20114.2008
IEF374I  STEP /POSTPROC/ STOP  20114.2008 CPU      OMIN 00.09SEC SRB      OMIN 00.00SEC VIRT 2064K SYS  296K
*****
*      2. JOBSTEP OF JOB: FF#PAS      STEPNAME: POSTPROC      PROGRAM NAME: ASMPCODE      EXECUTED ON 23.04.20 FROM 20.08.13 TO 20.08.13 *
*      ELAPSED TIME 24:00:00,17      CPU-IDENTIFIER: TK4-      PAGE-IN: 0 *
*      CPU TIME 00:00:00,09      VIRTUAL STORAGE USED: 2064K      PAGE-OUT: 0 *
*      CORR. CPU: 00:00:00,09      CPU TIME HAS BEEN CORRECTED BY 1 / 1,0 MULTIPLIER *
* *
*      I/O OPERATION *
*      NUMBER OF RECORDS READ VIA DD * OR DD DATA: 0 *
*      280.....0 191.....0 FFF.....9 FFF.....3 DMY.....0 FFF.....7 *
* *
*      CHARGE FOR STEP (W/O SYSOUT): 0,15 *
*****
IEF236I  ALLOC. FOR FF#PAS GO
IEF237I  280 ALLOCATED TO STEPLIB
IEF237I  191 ALLOCATED TO SYS00024
IEF237I  VIO ALLOCATED TO SYSLIN
IEF237I  JES2 ALLOCATED TO SYSLOUT
IEF237I  280 ALLOCATED TO SYSLIB
IEF237I  148 ALLOCATED TO
IEF237I  242 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  FF#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  SYS20114.T200813.RA000.FF#PAS.OBJECT      DELETED      *-----8
IEF285I  JES2.JOB00579.S00103      SYSOUT
IEF285I  PASCAL.PASLIB      KEPT      *-----17
IEF285I  VOL SER NOS= PUB002.
IEF285I  SYS1.FORTLIB      KEPT      *-----67
IEF285I  VOL SER NOS= MVSRES.
IEF285I  FATT.TEST.DATA      KEPT      *-----2
IEF285I  VOL SER NOS= MV0001.
IEF285I  SYS20114.T200813.RA000.FF#PAS.TABLES      DELETED      *-----0
IEF285I  JES2.JOB00579.S00104      SYSOUT
IEF285I  JES2.JOB00579.S00105      SYSOUT
IEF285I  SYS20114.T200813.RA000.FF#PAS.R0000001      DELETED      *-----0
IEF373I  STEP /GO / START 20114.2008
IEF374I  STEP /GO / STOP 20114.2008 CPU      OMIN 04.75SEC SRB      OMIN 00.01SEC VIRT 2068K SYS  236K
*****
*      3. JOBSTEP OF JOB: FF#PAS      STEPNAME: GO      PROGRAM NAME: LOADER      EXECUTED ON 23.04.20 FROM 20.08.13 TO 20.08.18 *
*      ELAPSED TIME 24:00:04,90      CPU-IDENTIFIER: TK4-      PAGE-IN: 0 *
*      CPU TIME 00:00:04,76      VIRTUAL STORAGE USED: 2068K      PAGE-OUT: 0 *
*      CORR. CPU: 00:00:04,76      CPU TIME HAS BEEN CORRECTED BY 1 / 1,0 MULTIPLIER *
* *
*      I/O OPERATION *
*      NUMBER OF RECORDS READ VIA DD * OR DD DATA: 0 *
*      280.....0 191.....0 FFF.....8 DMY.....0 280.....17 148.....67 242.....2 DMY.....0 FFF.....0 DMY.....0 *
*      DMY.....0 FFF.....0 DMY.....0 *
* *
*      CHARGE FOR STEP (W/O SYSOUT): 7,93 *
*****
IEF375I  JOB /FF#PAS / START 20114.2008
IEF376I  JOB /FF#PAS / STOP 20114.2008 CPU      OMIN 04.95SEC SRB      OMIN 00.02SEC
```

```
****      NO  SYNTAX ERROR(S) DETECTED.
****      409  LINE(S) READ,   23 PROCEDURE(S) COMPILED,
****      1415 P_INSTRUCTIONS GENERATED,   0.05 SECONDS IN COMPILATION.
```

```
****      STANFORD PASCAL POST-PROCESSOR, VERSION OF OCT.-79.  
****      NO ASSEMBLY ERROR(S) DETECTED.  
****      8040 BYTES OF CODE GENERATED,  0.04 SECONDS IN POST_PROCESSING.
```

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

[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
0721740965493361497666505546284509191953032898888959567
069201586371013497509110063361133485051253334853981163412
07851202228866097513788527648919064612804715051516533550808
5628864147138448743521002113548909441417847473055608205047228
050888506002351831385707706597375486196289582204458204639226419
39988685801691888740823242074655630309966434682847648783012369690
0949679573713722032502963934989938775237593102275000626771342793017
571237823459954555639364520012107232014386673952152555563687059868597
30561699128318275778511690671009105944054429948225877769250180772939089
5482468231085915745358203314543675656839465279720697501109412886408456325
452410148100374780426054880997809853185180536108897611555630604942279452179
84296686240652468994135036474242868453665349623925844722715297861094652833533
6243076317214023025703473585182809668132851399986647037941978752777468292847695
603640621614001511781845118088875779459341557554605484271581941683408763840520361
23170898026795922847394635627557990754271854045696455075681612990097706515709337585
3609457155707951999956996602370489306141334822832959732146934986498711106505143423006
463954096916259897686557876127375781093939500600724947477213915033139433655578405917439
66529210437027529365792843517778279323319868406572635522503159691924609965063914289434510
7019821565442168516926969752389318995661246814055912699808919159203294055178987900314759208
0442506495067999489407758571492797940488049296440489928011632417128028690854571931206525088
0641218070711371216774493418451658654662421419901954748914071330317835008057673531461465561
2768515633920521576618161998879098027906520489507115754887782147626888335639598691326086662
8591561763561263074922316182055408616512641833590647698679206429535534489790054789746645046
7541595913406494278781641172660577772496746978451472658691427962204322571171000546469639193
2790901159275847484128114857934498847063422270277559602059269990527077182952388889333136592
5112259111214461121960558583085300900857728673001457908605480987931391634861299625358963146
9354877285883646562527594000195845750815246146536989440348537192331062397234558495885351131
0486319190754485743708055141816253285423820670998154301257121647181580736841247433302909291
8978304729883750528094105685468933501043414202907313725590875531859893702065889677849388404
1409345973933364835255409965082222341074607394942553036358497877027519189446464290292514742
8894719069197344614264735325576405364746890544013692524832899026218553163092629405073307432
5883237879257553223715273633812159745601142017086546047693697449507986197545225600849607508
4225614110584212738361884639106673278902989788537027787173903234357897043773626379633919708
2650317682667625547582587775747027139684279901717692515347217940718330972281022406020576955
1923109334083392446906107789059722221024694681063461315307372556082106306372694424873419069
0964340389530663549733052473631156529648322803073354434281448023017979554302704018756348368
8235987859335034065876692541582476375532676240789963230134591939936849075772844192830282673
5947374533149522043979463889533209159979640809623687593870067491951481812767444483279372007
2479979995918726706098991265562174581709978283817056885289631559290783185857144934100631908
9346302000944243304245025830533367966786168167762945518348245854102054733012367306021265699
714441274496819176365724054932016483081835869405802223004571257406858066063952523933901667
7230224963193557961156169360046766935581419151926024167053911783185412817174305853343800679
1914069190803158006986526614048105699422168264057749481333683845736260715525170992590292274
4512642655765465531121253764415693728736415931091968744923431544233653464036812168293962954
9767299210770870181089859892303670680851719783785348200229620448896647181023724949915937363
8125724983730036346858277218777076810719393224395941146613075583124238948926153797306851203
3222908555754737090939960701071272925206188572711353732688814416502259766751986220308762254
0147673137413584101747534961199349889138751673014525041430085687942534349828532365955990586

JJJJJJJJJJ	55555555555	77777777777	9999999999	AAAAAAAAAA
JJJJJJJJJJ	55555555555	77777777777	99999999999	AAAAAAAAAAAA
JJ	55	77	99	AA
JJ	55	77	99	AA
JJ	55	77	99	AA
JJ	55555555	77	99999999999	AAAAAAAAAAAA
JJ	5555555555	77	99999999999	AAAAAAAAAAAA
JJ	55	77	99	AA
JJ	55	77	99	AA
JJ	55	77	99	AA
JJJJJJJJ	55555555555	77	99999999999	AA
JJJJJJ	55555555555	77	9999999999	AA

****A	END	JOB	579	FF#PAS	ROOM	8.08.18	PM	23	APR	20	PRINTER1	SYS	TK4-	JOB	579	END	A****
****A	END	JOB	579	FF#PAS	ROOM	8.08.18	PM	23	APR	20	PRINTER1	SYS	TK4-	JOB	579	END	A****
****A	END	JOB	579	FF#PAS	ROOM	8.08.18	PM	23	APR	20	PRINTER1	SYS	TK4-	JOB	579	END	A****
****A	END	JOB	579	FF#PAS	ROOM	8.08.18	PM	23	APR	20	PRINTER1	SYS	TK4-	JOB	579	END	A****