

LABEL 00000000PRINT 0016506001650600000000000000

00001500015

Three tran Computer
debugged Mar 23 1965 1008

LABEL 00000000PRINTER0016428901

CALL IN MIX SIMUOPROGRAM

NDP	000
ADU	501
SUB	502
MUL	503
DIV	504
NUM	005
CHAR	R105
HLT	205
SFLA	006
SRA	106
SFLAX	206
SRAAX	306
SFLC	406
SRC	506
MOVE	107
LDA	508
LDD1	509
LDD2	510
LDD3	511
LDD4	512
LDD5	513
LDD6	514
LDDX	515
LDDAN	516
LDD1N	517
LDD2N	518
LDD3N	519
LDD4N	520
LDD5N	521
LDD6N	522
LDDXN	523
STA	524
ST1	525
ST2	526
ST3	527
ST4	528
ST5	529
ST6	530
STX	531
STJ	532
STZ	533
JBUS	S0334
IIOC	0035
IN	0036
OUT	0037
JRED	0038
JMP	0039
JSJ	139
JOV	239
JNOV	339
JJ	439
JJE	539
JGE	639
JGE	739
JNE	839
JLE	939
JAN	040
J1N	041
J2N	042
J3N	043
J4N	044
J5N	045
J6N	046
JXN	047
JAZ	140
J1Z	141
J2Z	142
J3Z	143
J4Z	144
J5Z	145
J6Z	146
JXZ	147
JAP	240
J1P	241
J2P	242
J3P	243
J4P	244
J5P	245
J6P	246
JXP	247
JAN	340

J1NN341
J2NN342
J3NN343
J4NN344
J5NN345
J6NN346
JXNN347
JANZ440
J1NZ441
J2NZ442
J3NZ443
J4NZ444
J5NZ445
J6NZ446
JXNZ447
JANP540
J1NP541
J2NP542
J3NP543
J4NP544
J5NP545
J6NP546
JXNP547
INCA048
DECA148
ENTA248
ENNA348
INC1049
DEC1149
ENT1249
ENN1349
INC2050
DEC2150
ENT2250
ENN2350
INC3051
DEC3151
ENT3251
ENN3351
INC4052
DEC4152
ENT4252
ENN4352
INC5053
DEC5153
ENT5253
ENN5353
INC6054
DEC6154
ENT6254
ENN6354
INCX055
DECX155
ENTX255
ENNX355
CMPA556
CMP1557
CMP2558
CMP3559
CMP4560
CMP5561
CMP6562
CMPX563
DRIG001
EQU001
CON001
ALF001
END006

.....

ASMBL

```

/- 0001 00 00 39
0140 06 02 53
0100 00 02 51
0000 03 03 51
0000 05 01 36
0000 03 00 53
0099 00 02 54
0099 05 02 50
0099 05 05 08
0001 00 01 50
0000 02 05 01
0001 00 01 49
0008 06 02 41
/- 0001 06 01 40
0001 00 02 05
0002 00 01 35
0000 03 01 36
0003 06 00 39
0000 02 45 12
0098 05 02 49
/- 0001 06 01 44
0000 02 28 09
0023 06 36 28
0001 02 23 07
0001 04 00 50
0018 06 00 39
0001 00 01 50
0000 02 02 12
0000 02 02 24
0000 04 02 50
0027 06 03 44
0001 00 01 49
0000 01 37 10
0000 01 02 08
0026 06 02 42
0002 06 01 40
0000 00 01 35
0000 01 19 09
0000 01 02 39
0000 01 00 39
0040
0040
0040
/- 0000 00 048 34
/- 0001 00 03 32
/- 0001 00 05 17
0049 00 05 25
0000 00 02 55
0055 00 02 40
0045 00 02 55
0014 01 09 31
0000 00 01 05
0012 01 05 24
0013 01 05 31
0012 01 18 37
0059 00 00 39
0000 00 00 12
/- 0001 00 02 32
/- 0001 00 05 17
/ 0062 00 05 25
/ 0090 01 16 36
/ 0063 00 05 17

```

```

ORIG 3999
JMP BEGIN

*
*   THREE TRAN -- MIX   COMPILER
*
*   MARCH, 1965
*
BYTESIZE EQU 1(4-4)
READER   EQU 16
PRINTER  EQU 18
TAPE     EQU 1
IBUF     EQU 0
OPBUF    EQU 0
*
*   CONTENTS OF BUFFER AREAS
*
LOADER   ORIG 0
          ENT5 140,6
          ENT3 100
1H        FNN3 0,3
2H        IN   0,5(TAPE)
          INC5 0,3
          ENT1 99
          ENT2 99,5
          LDA  99,5
          DEC2 1
          ADD  0,2
          DEC1 1
          JIP  *+3,6
          JAZ  2F,6
          HLT  1
          IOC  2(TAPE)
          IN   0,5(TAPE)
          DEC5 0,3
          JMP  2B,6
          LD4  0,2(5-5)
2H        ENT1 98,5
          JAZ  5F,6
          LD1  0,2(3-4)
          ST4  *+1,6(4-4)
          MOVE 1,2(*)
          INC2 1,4
          JMP  2B,6
3H        DEC2 1
          LD4  0,2(0-2)
          STA  0,2(0-2)
          ENT2 0,4
          J4NN *+3,6
4H        DEC1 1
5H        LD2  0,1(4-5)
          LDA  0,1(0-2)
          J2P  3B,6
          JAZ  1B,6
          IOC  0(TAPE)
          LD1  0,1(2-3)
          JOV  0,1
          JMP  0,1
*
SSIZE    EQU 35  SIZE IS ORBUF - STANDARD
ORIG     47
CON      SSIZE-1,*+1(3-4)
STANDAR STJ  9F
OUTSUB   LD1N 1F
          ST1  1F
          ENTX 0
          JAP  *+3
          ENTX 45
          STX  OPBUF+14,1(1-1)
          CHAR
          STA  OPBUF+12,1
          STX  OPBUF+13,1
          OUT  OPBUF+12,1(PRINTER)
9H       JMP  *
1H       CON  12
ORBUF    EQU  *+21
INSUB    STJ  9F
          LD1N 1F
          ST1  1F
          IN   ORBUF+8,1(READER)
          LD1N 1F

```

0012

2H

0020

4H
5H

0048
0050

9H
1H
ORBUF
INSUB

```

0090 01 05 08 0066
0091 01 05 15 0067
0000 00 00 03 0068
0092 01 09 15 0069
0045 00 01 55 0070
0071 00 04 47 0071
0092 01 05 24 0072
0092 01 05 16 0073
0070 00 00 39 0074
0000 00 00 08 0075
0098 00 16 36 0076
0000 00 18 35 0077
0002 00 05 33 0078
0003 00 02 49 0079
0002 00 45 07 0080
/- 0001 00 00 39 0081
0082
0114 0081 OBJECT
0114 *
0114 PBUF1
0000 0000 0000 0000 0114
40 40 40 40 40 0115
00 23 08 19 05 0116
05 23 19 01 15 0117
00 45 45 00 14 0118
09 27 00 00 03 0119
16 14 17 09 13 0120
05 19 00 40 40 0121
40 40 40 40 40 0122
40 40 40 40 40 0123
40 40 40 40 40 0124
40 40 40 40 40 0125
40 40 40 40 40 0126
40 40 40 40 40 0127
40 40 40 40 40 0128
40 40 40 40 40 0129
40 40 40 40 40 0130
40 40 40 40 40 0131
40 40 40 40 40 0132
40 40 40 40 40 0133
40 40 40 40 40 0134
40 40 40 40 40 0135
40 40 40 40 40 0136
40 40 40 40 40 0137
40 40 40 40 40 0138
0000 0000 0001 41 0139
0000 0000 0000 0140
0000 0000 0115 0141
0000 0000 0183 0182
0000 0000 0166 0199
0200
0200
0200
/- 0001 00 05 24 0200
/- 0001 00 02 32 0201
/- 0001 00 05 29 0202
/- 0001 00 05 30 0203
/- 0001 00 00 39 0204
/- 0001 00 05 09 0205
/- 0001 00 00 39 0206
/ 0200 00 05 08 0207
0000 00 01 05 0208
0004 01 05 24 0209
0005 01 05 31 0210
/- 0001 00 00 39 0211
/ 0207 00 02 08 0212 0206 1H
0216 00 03 40 0213
0045 00 02 55 0214
0003 01 45 31 0215
0000 00 01 05 0216
0004 01 12 31 0217
/ 0212 00 27 08 0218
0000 00 01 05 0219
0005 01 10 31 0220
/ 0218 00 36 08 0221
0000 00 01 05 0222
0005 01 37 31 0223

```

```

LDA ORBUF+8,1
LDX ORBUF+9,1
NUM
LDX ORBUF+10,1(1-1)
DECX 45
JXNZ *
STA ORBUF+10,1
LDAN ORBUF+10,1
JMP 9B-1
CON 8
IN ORBUF+16(READER)
IOC 0(PRINTER)
STZ OPBUF+2
ENT1 OPBUF+3
MOVE OPBUF+2(45)
JMP OBJECT
ORIG ORBUF+32
EQU * BEGINNING OF OBJECT PROGRAM

EQU *+1
CON 0
ALF *...
ALF THRE
ALF ETRAN
ALF - M
ALF IX C
ALF OMPIL
ALF ER ..
ALF .....
ALF .....
ALF .....
ALF .....
ALF .....
ALF .....
ALF .....
ALF .....
ALF .....
ALF .....
ALF .....
ALF .....
ALF .....
ALF .....
ALF .....
ALF .....
ALF .....
ALF .....
ALF .....
ALF .....
ALF .....
ALF .....
ALF .....
CON *+2
EQU *+1
CON 0
ORIG PBUF2+24
CON PBUF1
ORIG *+16
CON *+1
ORIG *+16
CON RBUF1

*
SUBROUTINES FOR INPUT/OUTPUT
*
COMPL1 STA INST
COMPL STJ 9F
ST5 TEMP5
ST6 TEMP6
LSW JMP 2F
LD1 PBUF
FMTSW JMP 1F
LDA INST
CHAR
STA 4,1
STX 5,1
JMP 3F
LDA INST(0-2)
JANN *+3
ENTX 45
STX 3,1(5-5)
CHAR
STX 4,1(1-4)
LDA INST(3-3)
CHAR
STX 5,1(1-2)
LDA INST(4-4)
CHAR
STX 5,1(4-5)

```


/-	0001	00	02	25	0304			ST1	1F(0-2)	
/	0205	00	05	09	0305			LD1	PBUF	
	0003	00	00	49	0306			INC1	3	
/	0307	00	16	07	0307	0304	1H	MOVE	*(16)	
/	0234	00	00	39	0308			JMP	PRINTOUT	
	0309	00	00	39	0309	0299	9H	JMP	*	
	0000000166				0310	0303	RBUF	CON	RBUF1	
					0311		*			
/-	0001	00	02	32	0311	0308		PRINTOUT	STJ	1F
/	0305	00	05	09	0312			LD1	PBUF	
	0000	01	18	37	0313			OUT	0,1(PRINTER)	
/	0024	01	05	09	0314			LD1	24,1	
/	0312	00	05	25	0315			ST1	PBUF	
-	0001	01	24	07	0316			MOVE	=1,1(24)	
	0317	00	00	39	0317	0311	1H	JMP	*	
	0000000115				0318	0315	PBUF	CON	PBUF1	
					0319		*			
/-	0001	00	02	32	0319			STJ	ERRSW	
	0000	00	01	05	0320		ERROR1	CHAR		
	0318	00	05	09	0321		ERROR	LD1	PBUF	
	0002	01	19	31	0322			STX	2,1(2-3)	
	0049	00	02	48	0323			ENTA	49	
	0000	00	02	55	0324			ENTX	0	
	0005	05	03	06	0325			SRAX	5,5	
	0310	00	05	19	0326			LD3N	RBUF	
	0000	01	00	51	0327			INC3	0,1	
	0002	06	00	51	0328			INC3	2,6	
	0000	03	05	24	0329			STA	0,3	
	0001	03	05	31	0330			STX	1,3	
/-	0001	00	02	07	0331			MOVE	2F(2)	
/-	0001	00	05	08	0332			LDA	ERRCOUNT	
/	0001	00	00	48	0333			INCA	1	
/	0332	00	05	24	0334			STA	ERRCOUNT	
	0311	00	00	39	0335			JMP	PRINTOUT	
/-	0001	00	00	39	0336	0319	ERRSW	JMP	NEXT1	
/	46 46	46	46	00	0337	0331	2H	ALF	****	
/	05 19	19	16	19	0338			ALF	ERROR	
					0339		*			
					0339		*			
					0339		*			
					0369		RATOR	ORIG	++30	
					0399		RAND	ORIG	++30	
	0000000000				0400		LOUP	CON	0	
	0114 02 0000				0401			CON	OBJECT(1-2),2(3-3)	
					0419	3999	BEGIN	ORIG	++18	
	0000	00	01	35	0420			IOC	0(TAPE)	
	0183	00	16	36	0421			IN	RBUF2(READER)	
	0000	00	18	35	0422			IOC	0(PRINTER)	
	0260	00	00	39	0423			JMP	FIXUP	
	0035	00	02	48	0424			ENTA	SSIZE	
	0297	00	05	24	0425			STA	PT1	
	0000	00	02	49	0426			ENT1	TBUF	
	0426	00	01	34	0427			JBUS	*(TAPE)	
	0047	00	35	07	0428			MOVE	STANDARD(SSIZE)	
	0311	00	00	39	0429		2H	JMP	PRINTOUT	
	0299	00	00	39	0430			JMP	READIN	
	0310	00	05	09	0431			LD1	RBUF	
	0000	01	05	08	0432			LDA	0,1	
/-	0001	00	05	56	0433			CMPA	1F	
/-	0001	00	08	39	0434			JNE	3F	
	0204	00	45	33	0435			STZ	LSW(5-5)	
	0429	00	00	39	0436	0432	1H	JMP	2B	
	13 09	22	23	00	0437			ALF	LIST	
					0438		*			
/-	0001	00	04	42	0439		NEXT	J2NZ	BAD	
	0299	00	00	39	0440	0336	NEXT1	JMP	READIN	
	0310	00	05	09	0441			LD1	RBUF	
	0001	01	09	08	0442			LDA	1,1(1-1)	
	0438	00	04	40	0443			JANZ	NEXT1	
/-	0001	00	02	08	0444		LABEL	LDA	INSLABEL(0-2)	
/-	0001	00	00	40	0445			JAN	1F	
/	0001	00	00	48	0446			INCA	1	
/	0237	00	05	01	0447			ADD	PROG	
/-	0260	00	00	39	0448			JMP	FIXUP	
/-	0001	00	05	08	0449			LDA	UNDLABEL	
/	0442	00	05	24	0450	0443	1H	STA	INSLABEL	
	0310	00	05	09	0451	0433	3H	LD1	RBUF	
	0000	01	05	15	0452			LDX	0,1	
/-	0001	00	01	47	0453			JXZ	1F	
	0000	00	02	48	0454			ENTA	0	
	0000	00	00	05	0455			NUM		

BEGINNING OF COMPILER AND LEXICAL SCAN

```

/- 00001 00 00 39 0454
00001 001 27 08 0455
00003 000 01 48 0456
0463 000 01 40 0457
0310 000 05 14 0458
00001 000 00 54 0459
- 00005 000 02 53 0460
0012 000 02 48 0461
0320 000 00 39 0462
00001 001 02 08 0463
/ 0445 000 02 15 0464
00001 001 02 31 0465
00002 000 02 55 0466
00001 001 27 31 0467
/ 0451 000 40 40 0468
00001 000 00 48 0469
/ 0464 000 05 01 0470
0260 000 39 04 0471
00000 000 02 51 0472 0468 1H
00000 000 02 50 0473
00000 000 02 50 0474
/- 00001 000 05 33 0475
/- 00001 000 05 33 0476
0310 000 05 14 0477
0049 000 05 48 0478
0014 006 27 24 0479
00001 000 00 54 0480
- 00004 000 02 53 0481
00001 000 05 08 0482
0339 000 05 24 0483
0484
*
LEXSCAN
0005 000 02 49 0485
00000 006 05 15 0486
00005 005 02 06 0487
00000 000 02 48 0488
/- 00001 000 04 47 0489
- 00005 000 02 53 0490
00001 000 00 54 0491
00000 006 05 15 0492
/ 0491 000 01 63 0493
/- 00001 000 04 33 0494 0489 1H
00001 000 00 53 0495
00001 000 02 06 0496
0052 000 01 48 0497
/- 00001 000 00 40 0498
00009 000 02 48 0499
0320 000 00 39 0500
00001 000 02 06 0501 0495 2H
00001 000 00 53 0502
0494 000 01 40 0503
00001 000 01 49 0504
0508 000 04 41 0505
/- 00001 000 05 24 0506
- 0512 000 00 45 0507
00001 000 02 53 0508
00000 006 05 15 0509
/- 00001 000 09 63 0510
0516 000 05 39 0511
/ 0494 000 09 63 0512
0502 000 04 39 0513
00000 000 02 53 0514
/- 00001 000 03 54 0515
00001 000 05 57 0516
0522 000 07 39 0517
0011 000 02 48 0518
0320 000 00 39 0519
0010 001 04 06 0520
/ 0507 000 05 08 0521
- 00001 000 00 39 0522
00000 001 02 06 0523
/- 00001 000 09 56 0524 0517 2H
0524 3H
00001 000 07 39 0525
00001 000 02 49 0526
/ 0523 000 05 26 0527
00000 001 02 50 0528
00000 001 05 56 0529
/- 00001 000 04 39 0530
00001 000 06 39 0531
00001 000 06 39 0532
00001 000 06 39 0533

```

```

JMP CSERCH
LDA 1,1(3-3)
DECA 3
JAZ **+6
LD6 RBUF
INC6 1
ENT5 =5
ENTA 12
JMP ERROR
LDA 1,1(0-2)
LDX PRDG(0-2)
STX 1,1(0-2)
ENTX 2
STX 1,1(3-3)
JAN 1F
INCA 1
ADD PROG
JMP FIXUP
ENT3 0
ENT2 0
ENT4 0
STZ S
STZ REG
LD6 RBUF
ENTA 49
STA 14,6(3-3)
INC6 1
ENT5 =4
LDA LDELIM
STA RATOR
*
LEXSCAN
ENT1 5
LDX 0,6
SLAX 5,5
ENTA 0
JXNZ 1F
ENT5 =5
INC6 1
LDX 0,6
JXZ **=2
CMPX =40(1-1)=(1-1)
JL 2F
INC5 1
SLAX 1
DECA 52
JAN SSCAN
ENTA 9
JMP ERROR
SLAX 1
INC5 1
JAZ 1B
DEC1 1
J1NZ **+2
STA TEMP
J5N **+4
ENT5 =5
INC6 1
LDX 0,6
CMPX =0=(1-1)
JE **+3
CMPX =40(1-1)=(1-1)
JL 2B
ENTX 0
J1NN 2F
CMP1 =5=
JGE **+3
ENTA 11
JMP ERROR
SLC 10,1
LDA TEMP
JMP 3F
SLAX 0,1
CMPA =30(1-1)=(1-1)
JGE CONST
ENT1 ROOT
ST2 TEMP
ENT2 0,1
CMPA 0,1
JL 2F
JG 3F

```

HERE BEGINS THE PREVIOUS "SEARCH" ROUTINE

```

00001 01 05 63 0534
/- 00001 00 05 39 0535
/ 05333 00 06 39 0536
00002 00 01 19 0537
/- 05330 00 02 41 0538
00001 00 00 09 0539
/- 00002 02 02 19 0540
00001 00 00 39 0541
/ 05300 01 03 77 0542
00002 01 00 41 0543
/ 05390 00 02 41 0544
00002 02 03 77 0545
/ 00004 01 02 50 0546
05444 00 01 26 0547
39988 00 00 50 0548
/- 00001 00 01 24 0549
00000 01 03 24 0550
00001 00 01 33 0551
/ 05299 00 05 10 0552
00002 01 09 08 0553
/- 00001 00 06 39 0554
/ 03700 00 03 33 0555
00003 00 00 49 0556
00001 00 01 51 0557
/ 03699 03 02 23 0558
00001 00 05 29 0559
/ 05566 00 04 39 0560
00013 00 02 48 0561
03200 00 00 39 0562
00005 01 03 06 0563
/ 04544 00 00 39 0564
/ 04477 00 05 08 0565
03700 03 05 24 0566
00000 00 02 48 0567
00002 00 02 49 0568
05599 00 00 39 0569
00000 00 01 00 0570
- 00001 03 00 00 0571
00001 03 00 00 0572
00001 03 00 00 0573
- 00001 03 00 00 0574
00001 03 00 00 0575
0568 UNDLABEL
0448 INSLABEL
0567 CSERCH
00001 00 02 32 0576
/- 00001 00 02 49 0577
/ 05533 00 02 26 0578
00000 01 05 50 0579
00000 01 05 56 0580
/- 00001 00 05 39 0581
/- 00001 00 06 39 0582
00001 01 07 09 0583
/ 05799 00 02 41 0584
05477 00 05 09 0585
00000 02 05 55 0586
00001 02 07 23 0587
/- 00001 00 03 39 0588
00002 01 07 09 0589
00000 01 01 50 0590
05799 00 01 42 0591
00000 01 00 50 0592
/ 05855 00 05 09 0593
00002 02 05 15 0594
00003 01 07 23 0595
/ 05999 00 02 00 0596
00002 01 03 37 0597
39988 00 01 50 0598
05633 00 03 42 0600
00000 01 05 24 0601
05744 00 05 13 0602
00001 01 05 31 0603
01044 00 03 55 0604
00002 01 03 31 0605
/ 05788 00 05 10 0606
06007 00 00 39 0607
00000 00 01 00 0608
- 00001 03 00 00 0609
00001 04 00 00 0610
0611
0611
0611

```

```

CMPX 1,1
JE 7F
JG 3F
LD1 2,1(2-3)
J1P 1B
LD1 Y
ST1 2,2(2-3)
JMP 4F
LD1 2,1(4-5)
J1P 1B
LD1 Y
ST1 2,2(4-5)
ENT2 4,1
ST2 Y
DEC2 3998
J2NN NDRROOM
STA 0,1
STX 1,1
STZ 2,1
LD2 TEMP
LDA 2,1(1-1)
CMPA =1=
JG SSCAN
STZ RAND+1,3
INC1 3
INC3 1
ST1 RAND,3(0-2)
CMP3 =29=
JL SSCAN
ENTA 13
JMP ERROR
SRAX 5,1
NUM
JMP CSERCH
LDA UNDLABEL
STA RAND+1,3
ENTA 0
INC1 2
JMP 8B
CON 100000
CON =1(0-2),3(3-3)
CON =1(0-2),3(3-3)
*
STJ 9F
ENT1 CROOT
ST2 TEMP
ENT2 0,1
CMPA 0,1
JE 7F
JG 3F
LD1 1,1(4-5)
J1P 1B
LD1 Y
ENTX 0,2
ST1 1,2(4-5)
JMP 4F
LD1 2,1(4-5)
DEC2 0,1
J2N 1B
INC2 0,1
LD1 Y
LDX 2,2
ST1 2,2(4-5)
ENT2 3,1
ST2 Y
STX 2,1(4-5)
DEC2 3998
J2NN NDRROOM
STA 0,1
LDX UNDLABEL
STX 1,1
ENNX BYTESIZE+4
STX 2,1(0-3)
LD2 TEMP
JMP *
CON 100
CON =1(0-2),3(3-3)
CON =1(0-2),4(3-3)

```

HERE ENDS HE PREVIOUS "SEARCH" ROUTINE

SYNTAX SCANNER

/-	0012	00	02	48	0611	TURNSTILE	ENTA	12
/-	0001	00	05	24	0612	SSCAN	STA	OP
/-	0612	00	05	09	0613		LD1	OP
/-	0001	01	05	08	0614		LDA	CONTROL,1
/-	0000	00	00	40	0615		JAN	2F
/-	0614	01	18	15	0616		LDX	CONTROL,1(2-2)
/	0000	00	04	55	0617		DECX	0,4
/	0437	00	04	47	0618		JXNZ	BAD
/	0616	01	27	12	0619	4H	LD4	CONTROL,1(3-3)
/	0621	00	10	24	0620	2H	STA	*+1(1-2)
/-	0018	00	00	39	0621	UNITARY	JMP	*
/-	0001	00	01	44	0622		INC1	18
/-	0000	00	02	52	0623		J4Z	STACK
/	0613	00	05	09	0624		ENT4	0
/	0619	01	05	08	0625	* COMPARE1	LD1	OP
/	0339	02	09	56	0626	COMPARE	LDA	CONTROL,1
/	0623	00	06	39	0627		CMPA	RATOR,2(1-1)
/	0339	02	37	09	0628		JG	STACK
/	0001	00	01	50	0629		LD1	RATOR,2(4-5)
/	0369	03	05	08	0630		DEC2	1
/	0000	01	00	39	0631		LDA	RAND,3
/	0625	00	05	09	0632	* STACK1	JMP	0,1
/	0563	00	01	50	0633	STACK	LD1	OP
/-	0030	00	00	50	0634		DEC2	29
/-	0001	01	05	08	0635		J2NN	NDROOM
/-	0339	02	05	24	0636		INC2	30
/-	0485	00	02	40	0637		LDA	STACK,1
/-	0339	00	18	33	0638		STA	RATOR,2
/-	0001	00	00	39	0639		JAP	LEXSCAN
/	0475	00	05	15	0640		STZ	RATOR(2-2)
/	0627	00	01	47	0641	* EQUAL	JMP	EQSTAK
/	0002	00	02	48	0642		LDX	S
/	0612	00	00	39	0643		JXZ	COMPARE
/	0633	00	05	08	0644	LPREN	ENTA	2
/	0009	00	00	48	0645		JMP	SSCAN
/	0485	00	01	40	0646		LDA	OP
/	0001	00	02	48	0647		INCA	9
/	0320	00	00	39	0648		JAZ	LEXSCAN
/	0001	00	02	48	0649		ENTA	1
/	0642	00	05	24	0650	IF1	JMP	ERROR
/	0634	00	00	39	0651		ENTA	1
/	0646	00	05	15	0652	IF2	STA	S
/	0013	00	01	55	0653		JMP	STACK
/	0618	00	04	47	0654		LDX	OP
/-	0652	00	05	15	0655		DECX	13
/-	0001	00	01	47	0656		JXNZ	BAD
/-	0656	00	00	39	0657		LDX	S
/-	0339	02	27	15	0658		JXZ	IF3
/-	0001	00	04	47	0659	REPL	JMP	BAD
/-	0010	00	02	48	0660	BAD	LDX	RATOR,2(3-3)
/-	0320	00	00	39	0661		JXNZ	REPL1
/-	0001	00	02	55	0662	0659	ENTA	10
/-	0001	00	02	55	0663	ARRAY1	JMP	ERROR
/-	0634	00	00	39	0664		ENTX	1
/	0654	00	05	15	0665		STX	LPREN(2-2)
/	0012	00	01	55	0666	LD	JMP	STACK
/	0002	00	02	48	0667		LDX	OP
/	0320	00	04	47	0668		DECX	12
/	0014	00	02	48	0669		ENTA	2
/	0339	00	18	15	0670		JXNZ	ERROR
/	0320	00	04	47	0671		ENTA	14
/	0438	00	00	39	0672		LDX	RATOR(2-2)
/	0310	00	05	09	0673		JXNZ	ERROR
/	0016	01	05	09	0674		JMP	NEXT1
/	0677	00	16	34	0675	* CARDEND	LD1	RBUF
/	0001	01	09	08	0676		LD1	16,1
/	0611	00	01	40	0677		JBUS	*(READER)
/	0299	00	00	39	0678		LDA	1,1(1-1)
/	0478	00	00	39	0679		JAZ	TURNSTILE
/	0001	00	05	32	0680		JMP	READIN
/	0682	00	05	09	0681		JMP	NEWCARD
/	0000	01	05	08	0682		*	
/	0000	01	05	08	0682		*	
/	0001	00	05	32	0682		*	
/	0682	00	05	09	0682		XMIX	INTERPRETIVE ROUTINE
/	0000	01	05	08	0683		STJ	XMIXP(0-5)
/	0000	01	05	08	0684		LD1	XMIXP
/	0000	01	05	08	0684		LDA	0,1

/-	0001	00	05	24	0685				
/	0001	00	00	49	0686				
/	0683	00	05	25	0687				
/	0685	00	27	09	0688				
	0690	01	00	39	0689				
	0683	00	00	39	0690				
/-	0001	00	00	39	0691				
/-	0001	00	00	39	0692				
/-	0001	00	00	39	0693				
/-	0001	00	00	39	0694				
/-	0001	00	00	39	0695				
/	0688	00	10	09	0696				
/	0000	01	00	39	0697				
					0698				
/	0477	00	45	24	0698	0691	*	RE	
/	0001	00	01	51	0699				
/	0476	00	05	27	0700				
	0369	03	05	33	0701				
	0625	00	00	39	0702				
					0703				
/-	0001	00	00	39	0703	0692	*	FR	
/-	0683	00	00	39	0704				
/-	0001	00	02	32	0705	0703	*	FRSUB	
/	0700	00	05	09	0706			LD1	
/	0705	00	01	41	0707				
/-	0001	00	00	37	0708				
/-	0001	00	02	41	0709				
/	0597	00	05	09	0710				
/	0001	01	02	55	0711				
/	0710	00	05	31	0712				
	3998	00	01	55	0713				
	0563	00	03	47	0714				
	0000	01	05	33	0715				
	0005	00	02	55	0716				
	0000	01	27	31	0717				
/-	0001	00	00	39	0718	0709	2H		
/	0000	01	05	08	0719				
/	0708	00	37	24	0720				
	0001	00	02	48	0721				
	0000	01	27	24	0722				
/	0000	01	02	48	0723				
/	0706	00	05	09	0724				
/	0369	01	10	24	0725				
/	0724	00	05	33	0726				
/-	0001	00	05	08	0727				
/	0698	00	05	01	0728				
/	0255	00	29	24	0729				
/	0728	00	05	33	0730				
/	0201	00	00	39	0731				
/	0732	00	00	39	0732	0707	1H		
					0733		*	LOAD	
/	0696	00	02	17	0733	0695			
/	0000	03	00	49	0734				
/-	0001	00	02	25	0735				
/	0369	01	05	08	0736				
/	0730	00	05	15	0737				
/-	0001	00	04	40	0738				
/	0737	00	05	33	0739				
/-	0683	00	01	47	0740				
/-	0001	00	05	08	0741				
	0200	00	00	39	0742				
	0683	00	00	39	0743				
	0005	00	02	06	0744	0741	SLAX5		
	0705	00	00	39	0745	0738	1H		
	0746	00	02	49	0746	0735	3H		
/	0726	00	05	25	0747				
					0748		*	CI	
/	0733	00	02	17	0748	0693			
/	0000	03	00	49	0749				
/	0369	01	05	08	0750				
/-	0001	00	05	24	0751	0727	STA		
/	0751	00	37	09	0752				
/-	0001	00	01	41	0753				
/	0718	00	00	39	0754				
/	0706	00	05	08	0755				
/	0729	00	29	24	0756				
/	0201	00	00	39	0757				
/	0752	00	10	09	0758	0753	1H		
/	0754	00	00	39	0759				
/	0748	00	37	08	0760			2H	
/	0756	00	29	24	0761				

STA	XMIXI
INC1	1
ST1	XMIXP
LD1	XMIXI(3-3)
JMP	*+1,1
JMP	XMIXC
JMP	RE
JMP	FR
JMP	CI
JMP	CP
JMP	LOAD
LD1	XMIXI(1-2)
JMP	0,1
STA	RX(5-5)
DEC3	1
ST3	REG
STZ	RAND,3
JMP	COMPARE1
JMP	FRSUB
JMP	XMIXC
STJ	1F
LD1	REG
J1Z	1F
LD1	TEMPS(4-5)
J1P	2F
LD1	Y
ENTX	1,1
STX	Y
DECX	3998
JXNN	NOROOM
STZ	0,1
ENTX	5
STX	0,1(3-3)
JMP	ADDR
LDA	0,1
STA	TEMPS(4-5)
ENTA	1
STA	0,1(3-3)
ENTA	0,1
LD1	REG
STA	RAND,1(1-2)
STZ	REG
LDA	STA
ADD	RX
STA	INST(3-5)
STZ	RX
JMP	COMPL
JMP	*
LD1N	XMIXI(0-2)
INC1	0,3
ST1	3F(0-2)
LDA	RAND,1
LDX	RX
JANZ	1F
STZ	RX
JXZ	XMIXC
LDA	SLAX5
JMP	COMPL1
JMP	XMIXC
SLAX	5
JMP	FRSUB
ENT1	*REG
ST1	REG
LD1N	XMIXI(0-2)
INC1	0,3
LDA	RAND,1
STA	V
LD1	V(4-5)
J1Z	1F
JMP	ADDR
LDA	LD1
STA	INST(3-5)
JMP	COMPL
LD1	V(1-2)
JMP	ADDR
LDA	XMIXI(4-5)
STA	INST(3-5)

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/ 0758 00 37 08 0762
0766 00 01 40 0763
0001 00 02 48 0764
/ 0761 00 27 24 0765
0201 00 00 39 0766 2H
0683 00 00 39 0767
/ 0765 00 05 24 0768 0694 CP
/ 0768 00 27 33 0769
0766 00 00 39 0770
*- 0001 00 02 32 0771 0759 * ADDR
0000 01 05 08 0772
/ 0769 00 05 24 0773
/ 0606 00 05 26 0774
/ 0773 00 27 10 0775
0777 02 00 39 0776
*- 0001 00 00 39 0777
*- 0001 00 00 39 0778
*- 0001 00 00 39 0779
*- 0001 00 00 39 0780
*- 0001 00 00 39 0781
- 0002 01 05 08 0782 0781 4H
0000 00 01 05 0783
/ 0232 00 05 24 0784
*- 0001 00 00 39 0785
*- 0001 00 00 39 0786
/ 0786 00 00 39 0787
- 0001 00 01 13 08 0788 0780 3H
0000 00 01 05 0789 0779 2H
0001 00 05 56 0790
*- 0001 00 06 39 0791
/ 0787 00 00 39 0792
/ 0720 00 05 08 0793 0778 1H
0000 01 29 24 0794
/ 0794 00 37 25 0795
0799 00 05 15 0796 0782 5H
*- 0001 00 00 39 0797
- 23 05 14 17 00 0798
- 0003 01 05 08 0800 0777 0H
- 0002 01 05 15 0801
/ 0785 00 05 24 0802
0000 01 10 08 0803 0798 4H
*- 0001 00 04 40 0804
*- 0001 00 05 08 0805
/ 0805 00 05 48 0806
/ 0000 01 10 24 0807
/ 0775 00 10 24 0808
/ 0233 00 05 31 0809 0804 4H
/ 0774 00 05 10 0810 0793 6H
0812 00 00 39 0811 0792 8H
30 30 30 30 0812 0771 9H
/ 0001 00 02 32 0813 0791 7H
/ 0470 00 02 08 0814 0788 FREF
0000 01 02 24 0815
0047 00 02 48 0816
0318 00 05 10 0817
0003 02 36 24 0818
0820 00 00 39 0819
0000 05 00 00 0820 0814 9H
0000 00 00 00 0821 0796 TEMPS
*
*
*
*- 0001 00 01 40 0822 *
0682 00 00 39 0822 *
0001 05 05 08 0822 *
0000 03 05 01 0822 *
0000 01 00 00 0822 *
0682 00 00 39 0822 0822 1H
0000 05 05 08 0822
0001 03 05 01 0822
0000 01 00 00 0822
0682 00 00 39 0822
0001 05 05 08 0822
0000 03 05 02 0822
/ 0001 01 00 00 0822
0682 00 00 39 0822
0001 03 05 08 0822
0000 03 05 03 0822

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LDA V(4-5)
JAZ *+3
ENTA 1
STA INST(3-3)
JMP COMPL
JMP XMIXC
STA INST
STZ INST(3-3)
JMP 2B
* ADDR
STJ 9F
LDA 0,1
STA INST
ST2 TEMP
LD2 INST(3-3)
JMP *+1,2
JMP 0F VARIABLE
JMP 1F ACTIVE TEMP
JMP 2F LABEL
JMP 3F FUTURE LABEL
JMP 4F CONSTANT
JMP 5F INACTIVE TEMP
LDA =2,1
CHAR
STA COMT
JMP FREF
JMP 6F
JMP FREF
LDA =1,1(1-5)
CHAR
CMPA 7F
JG 8F
JMP 6F
LDA TEMPS
STA 0,1(3-5)
ST1 TEMPS(4-5)
LDX *+2
JMP 4F
ALF TEMP
LDA =3,1
LDX =2,1
STA COMT
LDA 0,1(1-2)
JANZ 4F
LDA VAR
DECA 1
STA VAR
STA 0,1(1-2)
STA INST(1-2)
STX COMT1
LD2 TEMP
JMP *
ALF 00000
STJ 9F
LDA PROG(0-2)
STA 0,1(0-2)
ENTA 47
LD2 PBUF
STA 3,2(4-4)
JMP *
CON 5(3-3)
GENERATORS
JAZ 1F
JMP XMIX
LDA 1,5 LD(1)
ADD 0,3 CI ADD(0)
NOP 0,1 RE(0)
JMP XMIX
LDA 0,5 LD(0)
ADD 1,3 CI ADD(1)
NOP 0,1 RE(0)
JMP XMIX
LDA 1,5 LD(1)
SUB 0,3 CI SUB(0)
NOP 0,1 RE(0)
JAZ 1F
JMP XMIX
LDA 1,5 LD(1)
MUL 0,3 CI MUL(0)

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0000	01	00	07	0839			MOVE	0,1(0)	RE(1)
0682	00	00	39	0840	0835	1H	JMP	XMIX	
0000	05	05	08	0841			LDA	0,5	LD(0)
0001	03	05	03	0842			MUL	1,3	CI MUL(1)
0000	01	00	07	0843			MOVE	0,1(0)	RE(1)
0682	00	00	39	0844		DIV	JMP	XMIX	
0001	05	05	08	0845			LDA	1,5	LD(1)
0005	04	03	06	0846			SRAX	5,4	CP SRAX 5
0000	03	05	04	0847			DIV	0,3	CI DIV(0)
0000	01	00	00	0848			NOP	0,1	RE(0)
0001	00	00	51	0849		NEG	INC	3	1
0682	00	00	39	0850			JMP	XMIX	
0000	02	00	00	0851			NOP	0,2	FR
0001	03	05	16	0852			LDAN	1,3	CI LDAN(1)
0000	01	00	00	0853			NOP	0,1	RE(0)
/-	0001	01	01	40	0854	SUBSC	JAZ	1F	
/-	0369	03	37	08	0855		LDA	RAND,3(4-5)	
/-	0001	00	01	40	0856		JAZ	2F	
0682	00	00	39	0857			JMP	XMIX	
0000	05	05	08	0858			LDA	0,5	
0860	06	00	00	0859			NOP	**+1,6	XT **+1
0705	00	00	39	0860	0854	1H	JMP	FRSUB	
0369	03	10	08	0861	0856	2H	LDA	RAND,3(1-2)	
0368	03	37	24	0862			STA	RAND-1,3(4-5)	
0001	00	01	51	0863			DEC	3	1
0625	00	00	39	0864			JMP	COMPARE1	
/-	0369	03	10	08	0865	0641	LDAN	RAND,3(1-2)	
/-	0001	00	05	24	0866	EQSTAK	STA	LHS	
0000	03	02	49	0867			ENT	1	0,3
0001	00	01	49	0868			DEC	1	1
0485	00	01	41	0869			J1Z	LEXSCAN	
0369	01	37	56	0870			CMPA	RAND,1(4-5)	
0868	00	08	39	0871			JNE	**=3	
0682	00	00	39	0872			JMP	XMIX	
0000	02	00	00	0873			NOP	0,2	FR
0000	05	05	08	0874			LDA	0,5	LD(0)
0000	02	00	00	0875			NOP	0,2	FR
0877	00	00	00	0876			NOP	**+1,6	XT **+1
-	0001	03	02	49	0877		ENT	1	=1,3
/	0369	03	10	15	0878		LDX	RAND,3(1-2)	
/	0866	00	05	08	0879		LDA	LHS	
0369	03	10	24	0880			STA	RAND,3(1-2)	
0369	01	37	56	0881			CMPA	RAND,1(4-5)	
0884	00	08	39	0882			JNE	**+2	
0369	01	37	31	0883			STX	RAND,1(4-5)	
0001	00	01	49	0884			DEC	1	1
0881	00	02	41	0885			J1P	**=4	
0485	00	00	39	0886			JMP	LEXSCAN	
/-	0368	03	10	09	0887	0661	LD1	RAND-1,3(1-2)	
/-	0001	00	01	41	0888	REPL1	J1Z	NOVAR	
0000	01	27	08	0889			LDA	0,1(3-3)	
0893	00	01	40	0890			JAZ	**+3	
0004	00	02	48	0891	0888	NOVAR	ENTA	4	
0320	00	00	39	0892			JMP	ERROR	
/	0739	00	05	08	0893		LDA	RX	
/-	0001	00	04	40	0894		JANZ	1F	
0682	00	00	39	0895			JMP	XMIX	
0000	05	05	08	0896			LDA	0,5	
0001	03	05	24	0897			STA	1,3	CI STA(1)
0000	01	00	00	0898			NOP	0,1	RE(0)
0682	00	00	39	0899	0894	1H	JMP	XMIX	
0001	03	05	31	0900			STX	1,3	CI STX(1)
0000	01	00	07	0901			MOVE	0,1(0)	RE(1)
				0902		*			
/-	0007	00	02	55	0902	LSS	ENTX	7	"GE"
/-	0001	00	00	39	0903		JMP	2F	
/	0009	00	02	55	0904	GTR	ENTX	9	"LE"
/	0903	00	00	39	0905		JMP	2F	
/-	0008	00	02	55	0906	EQL	ENTX	8	"NE"
/-	0001	00	36	31	0907	0905	STX	1F(4-4)	
/-	0016	00	01	55	0908	2H	DECX	16	
/-	0001	00	36	31	0909		STX	3F(4-4)	
/-	0001	00	05	15	0910		LDX	4F	
/-	0370	03	05	31	0911		STX	RAND+1,3	
/-	0001	00	01	40	0912		JAZ	5F	
0682	00	00	39	0913			JMP	XMIX	
0001	05	05	08	0914			LDA	1,5	LD(1)
0000	03	05	56	0915			CMPA	0,3	
-	0001	03	08	39	0916	0907	JNE	=1,3	CI JNE(-1)
/	0918	06	00	00	0917	1H	NOP	**+1,6	XT
/	0657	00	05	08	0918	6H	LDA	S	

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0001 00 01 48 0919
/ 0918 00 05 24 0920
0002 00 01 51 0921
/ 0747 00 05 33 0922
0625 00 00 39 0923
0682 00 00 39 0924 0912 5H
0000 00 05 08 0925
- 0001 00 05 56 0926
0001 03 08 39 0927 0909 3H
0918 06 00 00 0928
0575 0000 00 0929 0910 4H
IF3 0658 0930
* 0930
GO 0930
0369 03 27 15 0930
0007 00 02 48 0931
0320 00 01 47 0932
0369 03 10 09 0933
0001 00 01 49 0934
0771 00 00 39 0935
0039 00 02 48 0936
/ 0809 00 29 24 0937
0201 00 00 39 0938
0437 00 00 39 0939
// 0922 00 05 33 0940 FORO
// 0893 00 05 08 0941
// 0941 00 05 33 0942
0633 00 00 39 0943
0369 03 27 08 0944
/ 0001 00 01 40 0945 FOR1
0744 00 05 08 0946
0948 00 02 55 0947 0942 3H
0200 00 04 47 0948
/ 0001 00 00 39 0949
/ 0879 00 05 08 0950 0946 2H
0370 00 10 24 0951
/ 0369 03 05 08 0952
0682 00 00 39 0953
0000 00 05 08 0954 0954 4H
0682 00 05 08 0955
0001 03 05 08 0956
0960 06 00 00 0957
0369 03 10 09 0958
0005 00 02 48 0959
/ 0001 00 01 27 0960 0950 1H
0002 00 00 49 0961
/ 0001 00 05 57 0962
/ 0563 00 07 39 0963
/ 0963 00 05 25 0964
/ 0951 00 05 08 0965
0399 01 01 05 0966
0574 00 03 08 0967
/ 0399 01 03 24 0968
0815 00 10 08 0969
0400 00 10 24 0970
0002 00 02 48 0971
0400 00 11 24 0972
0399 01 01 24 0973
0370 03 05 33 0974
0370 03 10 24 0975
0682 00 00 39 0976
0000 03 05 56 0977
- 0001 03 06 39 0978
/ 0437 06 00 00 0979
0967 00 05 09 0980
0369 03 10 08 0981
/ 0399 01 03 77 0982
0001 00 08 39 0983
0399 01 05 08 0984
0575 00 05 24 0985
0400 01 02 24 0986
0370 00 03 33 0987
0002 00 01 49 0988
/ 0983 00 05 25 0989
0682 00 00 39 0990
0000 03 05 08 0991
0001 04 00 48 0992
0000 03 05 24 0993

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DECA 1
STA S
DEC3 2
STZ REG
JMP COMPARE1 RETURN TO SYNTAX SCAN
JMP XMIX
LDA 0,5 LD(0)
CMPA 1,3 CI CMPA(1)
JNE -1,3 CI JNE(-1)
NOP 68,6
CON INSLABEL(1-2)
EQU LEXSCAN

LDX RAND,3(3-3)
ENTA 7
JXZ ERROR
LD1 RAND,3(1-2)
DEC1 1
JMP ADDR
ENTA 39 "JMP"
STA INST(3-5)
JMP COMPL
JMP NEXT
STZ REG COMMA OCCURS
LDA RX
STA 3F(1-2)
STZ RX
JMP STACK1
LDA RAND,3(3-3)
JAZ 2F
LDA SLAX5
ENTX *
JXNZ COMPL1
JMP 1F
LDA LHS
STA RAND+1(1-2)
LDA RAND,3
JAZ 4F
JMP XMIX
LDA 0,5
JMP XMIX
LDA 1,5
NOP **1,6 XT
LD1 RAND,3(1-2)
ENTA 5
STA 0,1(3-3)
LD1 1F
INC1 2
CMP1 =20=
JGE NOROOM
ST1 1F
LDA LHS
STA LOOP,1
LDA UNDLABEL(0-3)
STA LOOP,1(0-3)
LDA PROG(1-2)
STA LOOP+1,1(1-2)
ENTA 2
STA LOOP+1,1(3-3)
ENTA LOOP,1
STZ RAND+1,3
STA RAND+1,3(1-2)
JMP XMIX
CMPA 0,3 CI CMPA(0)
JG -1,3 CI JG(-1)
NOP NEXT,6 XT
LD1 1F
LDA RAND,3(1-2)
CMPA LOOP,1(4-5)
JNE BADFOR
LDA LOOP,1
STA INSLABEL
ENTA LOOP+1,1
STZ RAND+1,3
STA RAND+1,3(1-2)
DEC1 2
ST1 1F
JMP XMIX
LDA 0,3 CI LDA(0)
INCA 1,4 CP INCA 1
STA 0,3 CI STA(0)

```

END

0001	03	00	39	0998			JMP	-1,3	CI	JMP(-1)
0437	06	00	00	0999			NOP	NEXT,6	XT	NEXT
0008	00	02	48	1000	0986	BADF0R	ENTA	8		
0320	00	00	39	1001			JMP	ERROR		
				1002		*				
0369	03	10	09	1002		IN	LD1	RAND,3	(1-2)	
0891	00	01	41	1003			J1Z	NOVAR		
0000	01	27	08	1004			LDA	0,1	(3-3)	
0891	00	04	40	1005			JANZ	NOVAR		
0682	00	00	39	1006			JMP	XMIX		
0000	02	00	00	1007			NOP	0,2	FR	
0061	04	00	39	1008			JMP	INSUB,4	CP	JMP INSUB
0000	03	05	24	1009			STA	0,3	CI	STZ(0)
0437	06	00	00	1010			NOP	NEXT,6	XT	
0682	00	00	39	1011		OUT	JMP	XMIX		
0000	05	05	08	1012			LDA	0,5	LD(0)	
0048	04	00	39	1013			JMP	OUTSUB,4	CP	JMP OUTSUB
0437	06	00	00	1014			NOP	NEXT,6	XT	
0002	00	01	51	1015		ARRAY	DEC3	2		
1020	00	01	43	1016			J3Z	**+4		
0006	00	02	48	1017		1H	ENTA	6		
0665	00	18	33	1018			STZ	L	PRENR(2-2)	
0320	00	00	39	1019			JMP	ERROR		
0371	00	27	15	1020			LDX	RAND+2	(3-3)	
1017	00	01	47	1021			JXZ	1B		
0370	00	10	09	1022			LD1	RAND+1	(1-2)	
0000	01	10	15	1023			LDX	0,1	(1-2)	
1017	00	04	47	1024			JXNZ	1B		
0371	00	10	11	1025			LD3	RAND+2	(1-2)	
0807	00	05	08	1026			LDA	VAR		
0002	03	05	02	1027			SUB	-2,3		
0001	00	01	48	1028			DECA	1		
1026	00	05	24	1029			STA	VAR		
0000	01	10	24	1030			STA	0,1	(1-2)	
0000	00	02	51	1031			ENT3	0		
0001	00	02	48	1032			ENTA	1		
0001	01	09	24	1033			STA	-1,1	(1-1)	
0667	00	05	08	1034			LDA	OP		
0012	00	01	48	1035			DECA	12		
0001	00	01	40	1036			JAZ	1F		
0001	00	00	50	1037			INC2	1		
0485	00	00	39	1038			JMP	L	EXSCAN	
1018	00	18	33	1039	1036	1H	STZ	L	PRENR(2-2)	
0437	00	00	39	1040			JMP	NEXT		
				1041		*				
				1041		*				
				1041		*				
0993	00	05	12	1041		STOP	LD4	L		
0008	00	02	48	1042			ENTA	8		
0319	00	02	44	1043			J4P	ERROR1		
0002	00	01	52	1044			DEC4	2		
1042	00	02	44	1045			J4P	**=3		
0001	00	37	08	1046			LDA	HLT	(4-5)	
0200	00	00	39	1047			JMP	COMPL1		
0206	00	05	33	1048			STZ	FMTSW		
0608	00	02	50	1049			ENT2	CROOT		
0000	02	02	52	1050			ENT4	0,2		
0001	04	37	10	1051		3H	LD2	1,4	(4-5)	
1050	00	04	42	1052			J2NZ	**=2		
0002	04	02	08	1053		4H	LDA	2,4	(0-2)	
0001	00	00	40	1054			JAN	1F		
0001	00	00	48	1055			INCA	1		
0972	00	05	01	1056			ADD	PROG		
0260	00	00	39	1057			JMP	FIXUP		
0000	04	05	08	1058			LDA	0,4		
0200	00	00	39	1059			JMP	COMPL1		
0001	04	02	08	1060	1054	1H	LDA	1,4	(0-2)	
0001	00	00	40	1061			JAN	1F		
0001	04	27	08	1062			LDA	1,4	(3-3)	
0003	00	01	48	1063			DECA	3		
1061	00	04	40	1064			JANZ	1F		
0000	04	05	08	1065			LDA	0,4		
0000	00	01	05	1066			CHAR			
0318	00	05	10	1067			LD2	PBUF		
0003	02	05	31	1068			STX	3,2		
0007	00	02	48	1069			ENTA	7		
0319	00	00	39	1070			JMP	ERROR1		
0002	04	37	60	1071	1064	1H	CMP4	2,4	(4-5)	
0002	04	37	12	1072			LD4	2,4	(4-5)	
1051	00	04	39	1073			JL	3B		
1053	00	02	44	1074			J4P	4B		

THE END OF COMPILATION

```

/ 1056 00 10 08 1075
/ 1029 00 05 56 1076
0013 00 02 48 1077
0319 00 06 39 1078
/- 0001 00 05 08 1079
0269 00 05 33 1080
0260 00 00 39 1081
/ 0318 00 05 10 1082
0334 00 05 08 1083
0000 00 01 05 1084
0000 02 05 31 1085
/- 0023 00 02 49 1086
0001 00 05 08 1087
0001 02 05 24 1088
0001 00 00 50 1089
0001 00 01 49 1090
1088 00 02 41 1091
0311 00 00 39 1092
0000 00 01 37 1093
0000 00 01 35 1094
0000 00 18 33 1095
0002 00 02 05 1096 1046
3500 00 02 54 1097
0000 06 01 36 1098
0040 06 01 36 1099
0000 06 00 39 1100
40 40 40 40 1101 1087
01 0076 0000 1102 1079
1103
1103
1103
0000000100
0000000000
0000000000
09 06 00 00 00 1106 0528
00 00 00 00 00 1107
03 1109 00 1112 1108
06 16 19 00 00 1109
00 00 00 00 00 1110
04 1115 1118 1111
16 24 23 17 24 1112
23 00 00 00 00 1113
05 1121 1124 1114
03 16 14 14 05 1115
15 23 00 00 00 1116
15 1127 1130 1117
07 16 00 00 00 1118
00 00 00 00 00 1119
07 00 00 00 00 1120
13 16 16 17 00 1121
00 00 00 00 00 1122
10 1133 0000 1123
23 08 05 15 00 1124
00 00 00 00 00 1125
13 1136 1139 1126
01 19 19 01 28 1127
00 00 00 00 00 1128
09 00 00 00 00 1129
05 15 04 00 00 1130
00 00 00 00 00 1131
08 00 00 00 00 1132
09 15 17 24 23 1133
00 00 00 00 00 1134
06 00 00 00 00 1135
22 23 16 17 00 1136
00 00 00 00 00 1137
14 00 00 00 00 1138
23 16 00 00 00 1139
00 00 00 00 00 1140
10 00 00 00 00 1141
01 00 00 00 945 1142
00 00 00 00 646 1143
00 00 00 00 000 1144
03 00 00 00 822 1145
03 00 00 00 831 1146
05 00 00 00 835 1147
05 00 00 00 844 1148
0000 01 0660 1149
00 00 00 00 000 1150
01 00 00 00 902 1151

```

HLT

1H

2H

*

*

*

LRUOT

ROOT

*

```

LDA PROG(1-2)
CMPA VAR
ENTA 13
JG ERROR1
LDA 2F
STZ SWITCH
JMP FIXUP
LD2 PBUF
LDA ERRCOUNT
CHAR
STX 0,2
ENT1 23
LDA 1F
STA 1,2
INC2 1
DEC1 1
J1P *-3
JMP PRINTOUT
OUT TBUF(TAPE)
IOC 0(TAPE)
IOC 0(PRINTER)
HLT 2
ENT6 3500
IN 0,6(TAPE)
IN 40,6(TAPE)
JMP 0,6
ALF
CON i(i-1),INITO(2-3)

```

SYNTAX TABLES

```

CON 100
CON 0
CON 0
ALF IF
CON **4,**+1(2-3),3(1-1)
ALF FOR
ALF
CON **7,**+4(2-3),4(1-1)
ALF OUTPUT
ALF T
CON **10,**+7(2-3),5(1-1)
ALF COMME
ALF NT
CON **13,**+10(2-3),15(1-1)
ALF GD
ALF
CON 7(1-1)
ALF LOOP
ALF
CON **10(2-3),10(1-1)
ALF THEN
ALF
CON **13,**+10(2-3),13(1-1)
ALF ARRAY
ALF
CON 9(1-1)
ALF END
ALF
CON 8(1-1)
ALF INPUT
ALF
CON 6(1-1)
ALF STOP
ALF
CON 14(1-1)
ALF TO
ALF
CON 10(1-1)
*
CON FOR1,1(1-1)
CON LPREN
CON 0
CON ADD,3(1-1)
CON SUB,3(1-1)
CON MUL,5(1-1)
CON DIV,5(1-1)
CON =REPL,1(3-3)
CON 0
CON LSS,1(1-1)

```

```

01 00000904 1152
06 00000000 1153 0637 STACKT
01 00000854 1154
01 00000906 1155
0000 00000654 1156
0000 01 0940 1157
0000001011 1158
0000001002 1159
0000000930 1160
0000000983 1161
0000001015 1162
0000000625 1163
05 00000849 1164
00 01 01 0667 1165 0483 LDELIM
1166
00 0000000500 1166
01 01 000627 1167
0000000634 1168 1039 LPRENR
00 01 01 0627 1169
002 00000622 1170
002 00000622 1171
04 01 000627 1172
04 01 000627 1173
02 01 000642 1174
00 01 000675 1175
02 01 000627 1176
02 01 000627 1177
0000 01 0485 1178 0626 CONTROL
0000000634 1179
02 00000627 1180
0000000651 1181
0000000634 1182
0000000634 1183
0000000634 1184
0000000634 1185
0000000634 1186
0000000664 1187
0000000485 1188
0000000634 1189
00 01 000627 1190
00 01 000627 1191
0000001041 1192
0000000437 1193
1194
1194
1194
1194
00 00 00 00 00 1194 0802
00 00 00 00 00 1195 0810
0000000000 1196 1034
0000000000 1197 0920
0000000000 1198 1041
0000000000 1199 0811
0000000000 1200 0968
00000004000 1201 1076
0114 0000000 1202 1075
0000000000 1203 0762
0000000000 1204 0943
0000000000 1205 0940
0000000000 1206 0760
0000000000 1207 0687
0000000000 1208 1083
0000000000 1209 0293
0000000000 1210 0292
0000000000 1211 0249
0000000000 1212 0286
0000000000 1213 0287
0000000000 1214 0937
0000001225 1215 0712
1216
0000000020 1216 0965
0000000029 1217 0561
0000000001 1218 0555
30 00000000 1219 0526
0000000005 1220 0518
0000000000 1221 0512
40 00000000 1222 0514

```

```

CON GTR,1(1-1)
CON 0
CON SUBSC,6(1-1)
CON EQL,1(1-1)
CON IF2
CON FORO,1(3-3)
CON OUT
CON IN
CON GO
CON END
CON ARRAY
CON COMPARE1
CON NEG,5(1-1)
CON LD,1(2-2),1(3-3)
CON *-BADCHAR
CON COMPARE,1(2-2)
CON STACK
CON COMPARE,1(2-2),1(3-3)
CON -UNITARY,2(1-1)
CON -UNITARY,2(1-1)
CON COMPARE,4(1-1),1(2-2)
CON COMPARE,4(1-1),1(2-2)
CON EQUAL,2(1-1),1(2-2)
CON -CARDEND,1(2-2)
CON COMPARE,2(1-1),1(2-2)
CON COMPARE,2(1-1),1(2-2)
CON LEXSCAN,1(3-3)
CON STACK
CON COMPARE,2(1-1)
CON IF1
CON STACK
CON STACK
CON STACK
CON STACK
CON STACK
CON ARRAY1
CON LEXSCAN
CON STACK
CON COMPARE,1(2-2)
CON COMPARE,1(2-2)
CON STOP
CON NEXT

```

```

*
* VARIABLES AND INTERNAL TABLE AREA
*
COMT ALF
COMT1 ALF
DP CON 0
S CON 0
L CON 0
TEMP CON 0
LHS CON 0
VAR CON 4000 ALLOCATION OF OBJECT VARIABLES
PRUG CON OBJECT(1-2)
V CON 0
RX CON 0
REG CON 0
XMIXI CON 0
XMIXP CON 0
ERRCOUNT CON 0
BASEINDEX CON 0
BASELOC CON 0
MAXLOC CON 0
TEMP5 CON 0
TEMP6 CON 0
INST CON 0
Y CON 0
END
*+10 BASE OF SYMBOL TABLES
BEGIN AT MOST 10 LITERALS SHOULD APPEAR
#20
#29
#1
#30(1-1)
#5
#0
#40(1-1)

```

00000.....

BEGIN39990003

LOC	INSTRUCTION	OPERAND	REGISTER A	REGISTER X	RI1	RI2	RI3	RI4	RI5	RI6	RJ	T	COUNT	TIME
3999	+0419000039	+0000000135	+0000000000	+0000000000	+0000	+0000	+0000	+0000	+0000	+0000	0000	0000	0000	00000000
0419	+0000000135	+0140060253	+0000000000	+0000000000	+0000	+0000	+0000	+0000	+0000	+0000	4000	0000	0000	00000001
0420	+0183001636	+0000000000	+0000000000	+0000000000	+0000	+0000	+0000	+0000	+0000	+0000	4000	0000	0000	00000002
0421	+0000001835	+0140060253	+0000000000	+0000000000	+0000	+0000	+0000	+0000	+0000	+0000	4000	0000	0000	00000003

0577 +06080000249 +00000000100 +00000000020 +00000003230 +0003 +00002 +00001 +00000 -00004 +0197 0568 G 0001 00033350
0578 +11990000526 +00000000001 +00000000020 +00000003230 +0608 +00002 +00001 +00000 -00004 +0197 0568 G 0001 00033351
0579 +000000102550 +00000000100 +00000000020 +00000003230 +0608 +00002 +00001 +00000 -00004 +0197 0568 G 0001 00033353
0580 +000000105556 +00000000100 +00000000020 +00000003230 +0608 +00002 +00001 +00000 -00004 +0197 0568 G 0001 00033354
0581 +060600005339 +11990000510 +00000000020 +00000003230 +0608 +00002 +00001 +00000 -00004 +0197 0568 G 0001 00033356
0582 +058900006339 +0002013709 +00000000020 +00000003230 +0608 +00002 +00001 +00000 -00004 +0197 0568 G 0001 00033357
0583 +0001013709 -0001031229 +00000000020 +00000003230 +0608 +00002 +00001 +00000 -00004 +0197 0568 G 0001 00033358
0584 +05790000241 +000000102550 +00000000020 +00000003230 +1229 +0608 +00001 +00000 -00004 +0197 0568 G 0001 00033360
0579 +000000102550 +00000000040 +00000000020 +00000003230 +1229 +0608 +00001 +00000 -00004 +0197 0585 G 0002 00033361
0580 +000000105556 +00000000040 +00000000020 +00000003230 +1229 +1229 +00001 +00000 -00004 +0197 0585 G 0002 00033362
0581 +060600005339 +11990000510 +00000000020 +00000003230 +1229 +1229 +00001 +00000 -00004 +0197 0585 G 0002 00033364
0582 +058900006339 +0002013709 +00000000020 +00000003230 +1229 +1229 +00001 +00000 -00004 +0197 0585 G 0002 00033365
0583 +0001013709 -0001030000 +00000000020 +00000003230 +1229 +1229 +00001 +00000 -00004 +0197 0585 G 0002 00033366
0584 +05790000241 +000000102550 +00000000020 +00000003230 +0000 +1229 +00001 +00000 -00004 +0197 0585 G 0002 00033368
0585 +12150000509 +000000012336 +00000000020 +00000003230 +0000 +1229 +00001 +00000 -00004 +0197 0585 G 0001 00033369
0586 +00000020255 +00000000040 +00000000020 +00000003230 +1236 +1229 +00001 +00000 -00004 +0197 0585 G 0001 00033371
0587 +0001023725 -0001030000 +00000000020 +00000001229 +1236 +1229 +00001 +00000 -00004 +0197 0585 G 0001 00033372
0588 +05960000399 +00030102550 +00000000020 +00000001229 +1236 +1229 +00001 +00000 -00004 +0197 0585 G 0001 00033374
0596 +00030102550 +00000000000 +00000000020 +00000001229 +1236 +1229 +00001 +00000 -00004 +0197 0589 G 0001 00033375
0597 +12150000526 +000000012336 +00000000020 +00000001229 +1236 +1239 +00001 +00000 -00004 +0197 0589 G 0001 00033376
0598 +0002013731 +00000000000 +00000000020 +00000001229 +1236 +1239 +00001 +00000 -00004 +0197 0589 G 0001 00033378
0599 +39980001550 +00000000000 +00000000020 +00000001229 +1236 +1239 +00001 +00000 -00004 +0197 0589 G 0001 00033380
0600 +0563000342 +00133000248 +00000000020 +00000001229 +1236 +2759 +00001 +00000 -00004 +0197 0589 G 0001 00033381
0601 +000000105524 +00000000000 +00000000020 +00000001229 +1236 +2759 +00001 +00000 -00004 +0197 0589 G 0001 00033382
0602 +0574000515 -0001030000 +00000000020 +00000001229 +1236 +2759 +00001 +00000 -00004 +0197 0589 G 0001 00033384
0603 +00010105331 +00000000000 +00000000020 +00001030000 +1236 +2759 +00001 +00000 -00004 +0197 0589 G 0001 00033386
0604 +0104000355 +00000000000 +00000000020 +00001030000 +1236 +2759 +00001 +00000 -00004 +0197 0589 G 0001 00033388
0605 +00020103331 +00000001229 +00000000020 +00000000104 +1236 +2759 +00001 +00000 -00004 +0197 0589 G 0001 00033389
0606 +11990000510 +00000000002 +00000000020 +00000000104 +1236 +2759 +00001 +00000 -00004 +0197 0589 G 0001 00033391
0607 +05680000839 +0574000508 +00000000020 +00000000104 +1236 +00002 +00001 +00000 -00004 +0197 0589 G 0001 00033393
0568 +05740000508 -0001030000 +00000000020 +00000000104 +1236 +00002 +00001 +00000 -00004 +0197 0608 G 0001 00033394
0569 +03700030524 +1231030000 =0001030000 +00000000104 +1236 +00002 +00001 +00000 -00004 +0197 0608 G 0001 00033396
0570 +0000000248 +0000004834 =0001030000 +00000000104 +1236 +00002 +00001 +00000 -00004 +0197 0608 G 0001 00033398
0571 +0002000049 +0060000517 +00000000000 +00000000104 +1236 +00002 +00001 +00000 -00004 +0197 0608 G 0001 00033399
0572 +0559000039 +0001000051 +00000000000 +00000000104 +1238 +00002 +00001 +00000 -00004 +0197 0608 G 0001 00033400

0627 +0339020956 +0000000646 +0001010627 +00000000000 -0009 +00002 +00002 +00001 -0003 +0197 0622 G 0002 00033452
0628 +0634000639 +0029000150 +0001010627 +00000000000 -0009 +00002 +00002 +00001 -0003 +0197 0622 G 0002 00033454
0629 +0339023709 +0000000646 +0001010627 +00000000000 -0009 +00002 +00002 +00001 -0003 +0197 0622 G 0002 00033455
0630 +0001000150 +0059000232 +0001010627 +00000000000 +0646 +00002 +00002 +00001 -0003 +0197 0622 G 0002 00033457
0631 +0369030508 +1238030000 +0001010627 +00000000000 +0646 +00001 +00002 +00001 -0003 +0197 0622 G 0002 00033458
0632 +0000010039 +1196000508 +1238030000 +00000000000 +0646 +00001 +00002 +00001 -0003 +0197 0622 G 0002 00033460
0646 +1196000508 -0000000009 +1238030000 +00000000000 +0646 +00001 +00002 +00001 -0003 +0197 0633 G 0001 00033461
0647 +0009000048 +0012010524 =0000000009 +00000000000 +0646 +00001 +00002 +00001 -0003 +0197 0633 G 0001 00033463
0648 +0485000140 +0005000249 +00000000000 +00000000000 +0646 +00001 +00002 +00001 -0003 +0197 0633 G 0001 00033464

0675 +0310000509 +0000000183 =0001000675 +00000000000 -0003 +00001 +00002 +00001 -0002 +0197 0622 G 0000 00033488
0676 +0016010509 +0000000166 =0001000675 +00000000000 +0183 +00001 +00002 +00001 -0002 +0197 0622 G 0000 00033490
0677 +0677001634 +0677001634 =0001000675 +00000000000 +0166 +00001 +00002 +00001 -0002 +0197 0622 G 0000 00033492

ARRAY A(40), B(20)

0678 +0001010908 +0001191901 =0001000675 +00000000000 +0166 +00001 +00002 +00001 -0002 +0197 0678 G 0000 00040061
0679 +0611000140 +0012000248 +00000000000 +00000000000 +0166 +00001 +00002 +00001 -0002 +0197 0678 G 0000 00040063
0611 +0012000248 +0059000039 +00000000000 +00000000000 +0166 +00001 +00002 +00001 -0002 +0197 0680 G 0000 00040064

1015 +0002000151 +0060000517 +1238030000 +00000000000 +1015 +00000 +00002 +00000 -0002 +0197 0633 F 0001 00040090
1016 +1020000143 +0371002715 +1238030000 +00000000000 +1015 +00000 +00000 +00000 -0002 +0197 0633 F 0001 00040091
1020 +0371002715 +1238030000 +1238030000 +00000000000 +1015 +00000 +00000 +00000 -0002 +0197 1017 F 0001 00040092
1021 +1017000147 +0006000248 +1238030000 +00000000003 +1015 +00000 +00000 +00000 -0002 +0197 1017 F 0001 00040094
1022 +0370001009 +12350000000 +1238030000 +00000000003 +1015 +00000 +00000 +00000 -0002 +0197 1017 F 0001 00040095
1023 +0000011015 +00000000000 +1238030000 +00000000003 +1015 +00000 +00000 +00000 -0002 +0197 1017 F 0001 00040097
1024 +1017000447 +0006000248 +1238030000 +00000000000 +1235 +00000 +00000 +00000 -0002 +0197 1017 F 0001 00040099
1025 +0371001011 +1238030000 +1238030000 +00000000000 +1235 +00000 +00000 +00000 -0002 +0197 1017 F 0001 00040100
1026 +1201000508 +00000003959 +1238030000 +00000000000 +1235 +00000 +1238 +00000 -0002 +0197 1017 F 0001 00040102
1027 -0002030502 +0000000020 +00000003959 +00000000000 +1235 +00000 +1238 +00000 -0002 +0197 1017 F 0001 00040104
1028 +0001000148 +0059000232 +00000003939 +00000000000 +1235 +00000 +1238 +00000 -0002 +0197 1017 F 0001 00040106
1029 +1201000524 +00000003959 +00000003938 +00000000000 +1235 +00000 +1238 +00000 -0002 +0197 1017 F 0001 00040107
1030 +0000011024 +00000000000 +00000003938 +00000000000 +1235 +00000 +1238 +00000 -0002 +0197 1017 F 0001 00040109
1031 +0000000251 +0000004834 +00000003938 +00000000000 +1235 +00000 +1238 +00000 -0002 +0197 1017 F 0001 00040111
1032 +0001000248 +0059000232 +00000003938 +00000000000 +1235 +00000 +00000 +00000 -0002 +0197 1017 F 0001 00040112
1033 -0001010924 +00000000000 +00000000001 +00000000000 +1235 +00000 +00000 +00000 -0002 +0197 1017 F 0001 00040113
1034 +1196000508 +0000000012 +00000000001 +00000000000 +1235 +00000 +00000 +00000 -0002 +0197 1017 F 0001 00040115
1035 +0012000148 +0059000039 +00000000012 +00000000000 +1235 +00000 +00000 +00000 -0002 +0197 1017 F 0001 00040117
1036 +1039000140 +1168001833 +00000000000 +00000000000 +1235 +00000 +00000 +00000 -0002 +0197 1017 F 0001 00040118
1039 +1168001833 +0001000634 +00000000000 +00000000000 +1235 +00000 +00000 +00000 -0002 +0197 1037 F 0000 00040119
1040 +0437000039 +0662000442 +00000000000 +00000000000 +1235 +00000 +00000 +00000 -0002 +0197 1037 F 0000 00040121
0437 +0662000442 +0010000248 +00000000000 +00000000000 +1235 +00000 +00000 +00000 -0002 +0197 1041 F 0001 00040122
0438 +0299000039 +0309000232 +00000000000 +00000000000 +1235 +00000 +00000 +00000 -0002 +0197 1041 F 0001 00040123

0439 +0310000509 +0000000166 +00000000000 +00000000000 +0165 +00000 +00000 +00000 -0002 +0197 0310 F 0001 00040232
0440 +0001010908 +0001191901 +00000000000 +00000000000 +0166 +00000 +00000 +00000 -0002 +0197 0310 F 0001 00040234


```
0675 +0310000509 +0000000166-0001000675 +0000000000 -0003 +0001 +0002 +0001 -0002 +0180 0622 G 0001 00040818
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TEMP

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0713 +3998000155 +0000000000+0000000000 +00000001276 +1275 +0001 +0002 +0000 -0002 +0180 0861 L 0002 00323052
0714 +0563000347 +0013000248+0000000000 =00000002722 +1275 +0001 +0002 +0000 -0002 +0180 0861 L 0002 00323053
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0716 +0005000255 +0055000240+0000000000 =00000002722 +1275 +0001 +0002 +0000 -0002 +0180 0861 L 0002 00323056
0717 +0000012731 +0000000000+0000000000 +0000000005 +1275 +0001 +0002 +0000 -0002 +0180 0861 L 0002 00323057
0718 +0771000039 +0812000232+0000000000 +0000000005 +1275 +0001 +0002 +0000 -0002 +0180 0861 L 0002 00323059
0719 +0000010508 +3921050000+00000003921 +2305141700 +1275 +0001 +0002 +0000 -0002 +0180 0813 L 0002 00323092
0720 +08210003724 +0000050000+3921050000 +2305141700 +1275 +0001 +0002 +0000 -0002 +0180 0813 L 0002 00323094
0721 +0001000248 +0059000232+3921050000 +2305141700 +1275 +0001 +0002 +0000 -0002 +0180 0813 L 0002 00323096
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0723 +0000010248 +3921010000+0000000001 +2305141700 +1275 +0001 +0002 +0000 -0002 +0180 0813 L 0002 00323099
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0725 +0369011024 +0000000000+0000001275 +2305141700 +0002 +0001 +0002 +0000 -0002 +0180 0813 L 0002 00323102
0726 +1205000533 +0000000002+0000001275 +2305141700 +0002 +0001 +0002 +0000 -0002 +0180 0813 L 0002 00323104
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0142 / 0133 00 05 01 0000000020

0861 +0369031008 +1275000000+3921000524 +0000000144 +0165 +0001 +0002 +0000 -0002 +0180 0733 L 0000 00330384
0862 +0368033724 +1228000000+0000001275 +0000000144 +0165 +0001 +0002 +0000 -0002 +0180 0733 L 0000 00330386
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0864 +0625000039 +1196000509+0000001275 +0000000144 +0165 +0001 +0001 +0000 -0002 +0180 0733 L 0000 00330389
1002 +0369031009 +1228001275+1228001275 +0000000144 +1002 +0000 +0001 +0000 -0002 +0180 0633 E 0001 00330403
1003 +0891000141 +0004000248+1228001275 +0000000144 +1228 +0000 +0001 +0000 -0002 +0180 0633 E 0001 00330405
1004 +0000012708 +3959000000+1228001275 +0000000144 +1228 +0000 +0001 +0000 -0002 +0180 0633 E 0001 00330406
1005 +0891000440 +0004000248+0000000000 +0000000144 +1228 +0000 +0001 +0000 -0002 +0180 0633 E 0001 00330408
1006 +0682000039 +1207000532+0000000000 +0000000144 +1228 +0000 +0001 +0000 -0002 +0180 0633 E 0001 00330409
0692 +0703000039 +0705000039+0000020000 +0000000144 +0002 +0000 +0001 +0000 -0002 +0180 0690 E 0001 00330424
0703 +0705000039 +0732000232+0000020000 +0000000144 +0002 +0000 +0001 +0000 -0002 +0180 0693 E 0001 00330425
0704 +0683000039 +1207000509+0000020000 +0000000144 +0000 +0000 +0001 +0000 -0002 +0180 0733 E 0001 00330432

0694 +0768000039 +1214000524+0061040039 +0000000144 +0004 +0000 +0001 +0000 -0002 +0180 0690 E 0002 00330445
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0770 +0766000039 +0201000039+0061040039 +0000000144 +0004 +0000 +0001 +0000 -0002 +0180 0695 E 0002 00330450
.
0143 3921 00 05 24 TEMP
0754 +0771000039 +0812000232+1228001275 +0000000145 +1275 +0000 +0001 +0000 -0002 +0180 0694 L 0000 00337906
.
0778 +0794000039 +0821000508+3921010000 +0000000145 +1275 +0001 +0001 +0000 -0002 +0180 0777 L 0000 00337918
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0795 +0000012924 +3921010000+0000050000 +0000000145 +1275 +0001 +0001 +0000 -0002 +0180 0779 L 0000 00337921
0796 +0821003725 +0000050000+0000050000 +0000000145 +1275 +0001 +0001 +0000 -0002 +0180 0779 L 0000 00337923
.
0755 +0706000508 +1205000509+0000003921 +2305141700 +1275 +0000 +0001 +0000 -0002 +0180 0813 L 0000 00337938
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0757 +0201000039 +0288000232+1205000509 +2305141700 +1275 +0000 +0001 +0000 -0002 +0180 0813 L 0000 00337942
.
0144 0061 00 00 39
0764 +0001000248 +0059000232+0000001275 +0000000000 +1228 +0000 +0001 +0000 -0002 +0180 0813 L 0000 00345419
0765 +1214002724 +3959000524+0000000001 +0000000000 +1228 +0000 +0001 +0000 -0002 +0180 0813 L 0000 00345420
.
0145 3921 00 05 09 TEMP
0146 3959 01 05 24 A
0849 +0001000051 +0059000232+1267000000 +0000000000 +0849 +0004 +0002 +0001 -0002 +0186 0633 L 0000 00360876
0850 +0682000039 +1207000532+1267000000 +0000000000 +0849 +0004 +0003 +0001 -0002 +0186 0633 L 0000 00360877
.
0692 +0703000039 +0705000039+0000020000 +0000000000 +0002 +0004 +0003 +0001 -0002 +0186 0690 L 0002 00360892
0703 +0705000039 +0732000232+0000020000 +0000000000 +0002 +0004 +0003 +0001 -0002 +0186 0693 L 0002 00360893
.
0704 +0683000039 +1207000509+0000020000 +0000000000 +0000 +0004 +0003 +0001 -0002 +0186 0733 L 0002 00360900
.
INPUT d(=J)
0849 +0001000051 +0059000232+0000000000 +0000000148 +0849 +0003 +0002 +0001 -0002 +0186 0633 L 0001 00367913
0850 +0682000039 +1207000532+0000000000 +0000000148 +0849 +0003 +0003 +0001 -0002 +0186 0633 L 0001 00367914
.
0147 3923 00 05 16 J
0778 +0794000039 +0821000508+3921010000 +0000000149 +1275 +0001 +0003 +0001 -0002 +0186 0777 L 0001 00375416
0794 +0821000508 +0000050000+3921010000 +0000000149 +1275 +0001 +0003 +0001 -0002 +0186 0779 L 0001 00375417
0795 +0000012924 +3921010000+0000050000 +0000000149 +1275 +0001 +0003 +0001 -0002 +0186 0779 L 0001 00375419
0796 +0821003725 +0000050000+0000050000 +0000000149 +1275 +0001 +0003 +0001 -0002 +0186 0779 L 0001 00375421
.
0148 3921 00 05 24 TEMP
0854 +0860000140 +0705000039+0000000000 +0000000000 +0854 +0001 +0002 +0000 -0002 +0197 0633 L 0001 00383029
0860 +0705000039 +0732000232+0000000000 +0000000000 +0854 +0001 +0002 +0000 -0002 +0197 0855 L 0001 00383030
.
0149 3921 00 05 16 TEMP
0861 +0369031008 +1275000000+3921000524 +0000000151 +0165 +0001 +0002 +0000 -0002 +0197 0733 L 0001 00390376
0862 +0368033724 +1235000000+0000001275 +0000000151 +0165 +0001 +0002 +0000 -0002 +0197 0733 L 0001 00390378
0863 +0001000151 +0059000232+0000001275 +0000000151 +0165 +0001 +0002 +0000 -0002 +0197 0733 L 0001 00390380
0864 +0625000039 +1196000509+0000001275 +0000000151 +0165 +0001 +0001 +0000 -0002 +0197 0733 L 0001 00390381
.
1002 +0369031009 +1235001275+1235001275 +0000000151 +1002 +0000 +0001 +0000 -0002 +0197 0633 E 0002 00390395
1003 +0891000141 +0004000248+1235001275 +0000000151 +1235 +0000 +0001 +0000 -0002 +0197 0633 E 0002 00390397
1004 +0000012708 +3938000000+1235001275 +0000000151 +1235 +0000 +0001 +0000 -0002 +0197 0633 E 0002 00390398
1005 +0891000440 +0004000248+0000000000 +0000000151 +1235 +0000 +0001 +0000 -0002 +0197 0633 E 0002 00390400
1006 +0682000039 +1207000532+0000000000 +0000000151 +1235 +0000 +0001 +0000 -0002 +0197 0633 E 0002 00390401
.
0150 3921 00 05 24 TEMP
0754 +0771000039 +0812000232+1235001275 +0000000152 +1275 +0000 +0001 +0000 -0002 +0197 0694 L 0001 00397898
.
0778 +0794000039 +0821000508+3921010000 +0000000152 +1275 +0001 +0001 +0000 -0002 +0197 0777 L 0002 00397910
0794 +0821000508 +0000050000+3921010000 +0000000152 +1275 +0001 +0001 +0000 -0002 +0197 0779 L 0002 00397911
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.
0755 +0706000508 +1205000509+0000003921 +2305141700 +1275 +0000 +0001 +0000 -0002 +0197 0813 L 0001 00397930
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0757 +0201000039 +0288000232+1205000509 +2305141700 +1275 +0000 +0001 +0000 -0002 +0197 0813 L 0001 00397934
.
0151 0061 00 00 39
0764 +0001000248 +0059000232+0000001275 +0000000000 +1235 +0000 +0001 +0000 -0002 +0197 0813 L 0001 00405411
0765 +1214002724 +3938000524+0000000001 +0000000000 +1235 +0000 +0001 +0000 -0002 +0197 0813 L 0001 00405412
.
0152 3921 00 05 09 TEMP
0153 3938 01 05 24 B
0624 +0000000252 +0000004834+0200000622 +0242000000 +0011 +0005 +0003 +0001 -0002 +0169 0622 G 0002 00420939
.
0854 +0860000140 +0705000039+1267000000 +0000000000 +0854 +0006 +0005 +0001 -0002 +0170 0633 L 0002 00421284
0855 +0369033708 +1267000000+1267000000 +0000000000 +0854 +0006 +0005 +0001 -0002 +0170 0633 L 0000 00421285
0856 +0861000140 +0369031008+0000000000 +0000000000 +0854 +0006 +0005 +0001 -0002 +0170 0633 L 0000 00421287
0861 +0369031008 +1267000000+0000000000 +0000000000 +0854 +0006 +0005 +0001 -0002 +0170 0857 L 0002 00421288

0172 /-0001 00 07 39

0681 +0478000039 +0310000514+0000000027 +0000000000 +0165 +0000 +0000 +0000 -0002 +0180 0310 G 0002 00585312

0651 +0001000248 +0059000232+0000000651 +0000000000 +0003 +0000 +0000 +0000 -0003 +0185 0622 G 0001 00585399

0652 +1197000524 +0000000000+0000000001 +0000000000 +0003 +0000 +0000 +0000 -0003 +0185 0622 G 0001 00585400

0653 +0634000039 +0029000150+0000000001 +0000000000 +0003 +0000 +0000 +0000 -0003 +0185 0622 G 0001 00585402

0644 +0002000248 +0060000517+0201000642 +0000000001 -0004 +0001 +0001 +0000 +0000 +0185 0622 G 0000 00585542

0645 +0612000039 +1196000524+0000000002 +0000000001 -0004 +0001 +0001 +0000 +0000 +0185 0622 G 0000 00585543

0906 +0008000255 +0000000105+1259030000 +0000000000 +0906 +0001 +0002 +0000 -0004 +0187 0633 L 0000 00585814

0907 +0916003631 -0001030739+1259030000 +0000000008 +0906 +0001 +0002 +0000 -0004 +0187 0633 L 0001 00585815

0908 +0016000155 +0075000525+1259030000 +0000000008 +0906 +0001 +0002 +0000 -0004 +0187 0633 L 0001 00585817

0909 +0927003631 -0001030939+1259030000 -0000000008 +0906 +0001 +0002 +0000 -0004 +0187 0633 L 0001 00585818

0910 +0929000515 +0575000000+1259030000 -0000000008 +0906 +0001 +0002 +0000 -0004 +0187 0633 L 0001 00585820

0911 +0370030531 +0575000000+1259030000 +0575000000 +0906 +0001 +0002 +0000 -0004 +0187 0633 L 0001 00585822

0912 +0924000140 +0682000039+1259030000 +0575000000 +0906 +0001 +0002 +0000 -0004 +0187 0633 L 0001 00585824

0913 +0682000039 +1207000532+1259030000 +0575000000 +0906 +0001 +0002 +0000 -0004 +0187 0633 L 0001 00585825

X IF I=1 THEN

0270 +0289000039 +0295000232+3925000508 +0000000174 +0139 +0001 +0002 +0000 +0096 +0096 0260 F 0001 00592839

0289 +0295000232 +0246000039+3925000508 +0000000174 +0139 +0001 +0002 +0000 +0096 +0096 0271 F 0002 00592840

0290 +0296000508 +0000000174+3925000508 +0000000174 +0139 +0001 +0002 +0000 +0096 +0096 0271 F 0002 00592842

0291 +0295000040 +0271000039+0000000174 +0000000174 +0139 +0001 +0002 +0000 +0096 +0096 0271 F 0002 00592844

0292 +1210000502 +0000000114+0000000174 +0000000174 +0139 +0001 +0002 +0000 +0096 +0096 0271 F 0000 00592845

0293 +1209000509 +0000000035+0000000060 +0000000174 +0139 +0001 +0002 +0000 +0096 +0096 0271 F 0000 00592847

0294 +0000014524 +0000011440+0000000060 +0000000174 +0035 +0001 +0002 +0000 +0096 +0096 0271 F 0000 00592849

0295 +0271000039 +0001050533+0000000060 +0000000174 +0035 +0001 +0002 +0000 +0096 +0096 0271 F 0002 00592851

0271 +0001050533 +0000000000+0000000060 +0000000174 +0035 +0001 +0002 +0000 +0096 +0096 0296 F 0001 00592852

0272 +0000060533 +0000000000+0000000060 +0000000174 +0035 +0001 +0002 +0000 +0096 +0096 0296 F 0001 00592854

0273 +0007000253 +0000000000+0000000060 +0000000174 +0035 +0001 +0002 +0000 +0096 +0096 0296 F 0001 00592856

0274 +0098000516 +0133000128+0000000060 +0000000174 +0035 +0001 +0002 +0000 +0097 +0096 0296 F 0001 00592857

0278 +0099000524 -2439342284=-9670216128 +0000000174 +0035 +0001 +0002 +0000 -0001 +0096 0278 F X 0001 00593251

0279 +0000000137 +0000004834=-9670216128 +0000000174 +0035 +0001 +0002 +0000 -0001 +0096 0278 F X 0001 00593253

0280 +0281000239 +0296000529=-9670216128 +0000000174 +0035 +0001 +0002 +0000 -0001 +0096 0278 F X 0001 00593254

0281 +0296000529 +0000000174=-9670216128 +0000000174 +0035 +0001 +0002 +0000 -0001 +0096 0281 F X 0001 00593255

0282 +0097000253 +0000000000=-9670216128 +0000000174 +0035 +0001 +0002 +0000 -0001 +0096 0281 F X 0001 00593257

0283 +0000000254 +0000004834=-9670216128 +0000000174 +0035 +0001 +0002 +0000 +0097 +0096 0281 F 0001 00593258

0173 3925 00 05 08 I

0245 +0289000039 +0295000232+3030303030 +0000000174 +0165 +0001 +0002 +0000 -0004 +0000 0318 G 0001 00600324

0246 +1210000531 +0000000114-0000000001 +0000000174 +0165 +0001 +0002 +0000 -0004 +0000 0296 G 0001 00600331

0247 +0000060431 +0000004834-0000000001 +0000000174 +0165 +0001 +0002 +0000 -0004 +0000 0296 G 0001 00600333

0248 +0100000055 +0000000000-0000000001 +0000000174 +0165 +0001 +0002 +0000 -0004 +0000 0296 G 0001 00600335

0249 +1211000531 +0000000214-0000000001 +0000000274 +0165 +0001 +0002 +0000 -0004 +0000 0296 G 0001 00600336

0250 +0100000155 +0000000000-0000000001 +0000000274 +0165 +0001 +0002 +0000 -0004 +0000 0296 G 0001 00600338

0251 +1209000530 +0000000035-0000000001 +0000000174 +0165 +0001 +0002 +0000 -0004 +0000 0296 G 0001 00600339

0252 +0001000054 +0059000232-0000000001 +0000000174 +0165 +0001 +0002 +0000 -0004 +0000 0296 G 0001 00600341

0174 / 0126 00 05 56 0000000001

0918 +1197000508 +0000000001+0918060000 +0000000176 +0918 +0001 +0002 +0000 -0004 +0187 0698 L 0001 00607862

0919 +0001000148 +0126000556+0000000001 +0000000176 +0918 +0001 +0002 +0000 -0004 +0187 0698 L 0001 00607864

0920 +1197000524 +0000000001+0000000000 +0000000176 +0918 +0001 +0002 +0000 -0004 +0187 0698 L 0001 00607865

0921 +0002000151 +0172000839+0000000000 +0000000176 +0918 +0001 +0002 +0000 -0004 +0187 0698 L 0001 00607867

0922 +1205000533 +0000000001+0000000000 +0000000176 +0918 +0001 +0000 +0000 -0004 +0187 0698 L 0001 00607868

0923 +0625000039 +1196000509+0000000000 +0000000176 +0918 +0001 +0000 +0000 -0004 +0187 0698 L 0001 00607870

0654 +1196000515 +0000000013+0000000000 +0000000176 +0654 +0000 +0000 +0000 -0004 +0187 0633 F 0001 00607884

0655 +0013000155 +0000000012+0000000000 +0000000013 +0654 +0000 +0000 +0000 -0004 +0187 0633 F 0001 00607886

0656 +0662000447 +0010000248+0000000000 +0000000000 +0654 +0000 +0000 +0000 -0004 +0187 0633 F 0001 00607887

0657 +1197000515 +0000000000+0000000000 +0000000000 +0654 +0000 +0000 +0000 -0004 +0187 0633 F 0001 00607888

0658 +0485000147 +0005000249+0000000000 +0000000000 +0654 +0000 +0000 +0000 -0004 +0187 0633 F 0001 00607890

0175 / 0172 00 08 39

0831 +0682000039 +1207000532+1238030000 +0000000000 +0831 +0004 +0003 +0001 +0000 +0168 0633 L 0002 00615816

XA(=(J-20))=A(J)=B(J)=J=J*J+J/(J-21)/A(40)

0176 3923 00 05 08 J

0177 / 0142 00 05 02 0000000020

0178 3920 00 05 24 TEMP

0179 3920 00 05 16 TEMP

0855 +0369033708 +1267000000+1267000000 +0000000000 +0854 +0001 +0003 +0000 -0003 +0170 0633 L 0002 00653203

0856 +0861000140 +0369031008+0000000000 +0000000000 +0854 +0001 +0003 +0000 -0003 +0170 0633 L 0002 00653205

0870 +0369013756 +1228001279+0000001228 +0000000000 +0001 +0002 +0002 +0000 -0003 +0170 0642 G 0000 00653237

0871 +0868000839 +0001000149+0000001228 +0000000000 +0001 +0002 +0002 +0000 -0003 +0170 0642 L 0000 00653239

0870 +0369013756 +1228001267+0000001235 +0000000000 +0002 +0003 +0003 +0000 -0003 +0171 0642 G 0001 00653608

0871 +0868000839 +0001000149+0000001235 +0000000000 +0002 +0003 +0003 +0000 -0003 +0171 0642 L 0001 00653610

0870 +0369013756 +1228001279+0000001235 +0000000000 +0001 +0003 +0003 +0000 -0003 +0171 0872 L 0002 00653613
0871 +0868000839 +0001000149+0000001235 +0000000000 +0001 +0003 +0003 +0000 -0003 +0171 0872 L 0002 00653615
0872 +0682000039 +1207000532+0000001267 +0000000000 +0003 +0004 +0004 +0000 -0001 +0171 0642 E 0000 00653774
0180 3920 00 05 24 TEMP
0181 3923 00 05 08 J
0877 -0001030249 +3923000508+0877060000 +0000000183 +0877 +0004 +0004 +0000 -0001 +0171 0698 L 0000 00667855
0878 +0369031015 +1275000000+0877060000 +0000000183 +0003 +0004 +0004 +0000 -0001 +0171 0698 L 0000 00667856
0879 +1200000508 +0000001267+0877060000 +0000001275 +0003 +0004 +0004 +0000 -0001 +0171 0698 L 0000 00667858
0880 +0369031024 +1275000000+0000001267 +0000001275 +0003 +0004 +0004 +0000 -0001 +0171 0698 L 0000 00667860
0881 +0369013756 +1235001267+0000001267 +0000001275 +0003 +0004 +0004 +0000 -0001 +0171 0698 L 0000 00667862
0882 +0884000839 +0001000149+0000001267 +0000001275 +0003 +0004 +0004 +0000 -0001 +0171 0698 L 0000 00667864
0883 +0369013731 +1235001267+0000001267 +0000001275 +0003 +0004 +0004 +0000 -0001 +0171 0698 L 0000 00667865
0884 +0001000149 +0126000556+0000001267 +0000001275 +0003 +0004 +0004 +0000 -0001 +0171 0698 L 0000 00667867
0885 +0881000241 +0369013756+0000001267 +0000001275 +0002 +0004 +0004 +0000 -0001 +0171 0698 L 0000 00667868
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0882 +0884000839 +0001000149+0000001267 +0000001275 +0002 +0004 +0004 +0000 -0001 +0171 0886 L 0001 00667871
0883 +0369013731 +1228001267+0000001267 +0000001275 +0002 +0004 +0004 +0000 -0001 +0171 0886 L 0001 00667872
0884 +0001000149 +0126000556+0000001267 +0000001275 +0002 +0004 +0004 +0000 -0001 +0171 0886 L 0001 00667874
0885 +0881000241 +0369013756+0000001267 +0000001275 +0001 +0004 +0004 +0000 -0001 +0171 0886 L 0001 00667875
0881 +0369013756 +1228001279+0000001267 +0000001275 +0001 +0004 +0004 +0000 -0001 +0171 0886 L 0002 00667876
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0886 +0485000039 +0005000249+0000001267 +0000001275 +0000 +0004 +0004 +0000 -0001 +0171 0883 L 0000 00667881
0835 +0840000140 +0682000039+1267000000 +1147000000 +0835 +0004 +0006 +0000 -0002 +0172 0633 L 0002 00668165
0836 +0682000039 +1207000532+1267000000 +1147000000 +0835 +0004 +0006 +0000 -0002 +0172 0633 L 0002 00668166
0182 3921 00 05 24 TEMP
0183 3923 00 05 08 J
0184 3923 00 05 03 J
0185 3919 00 05 31 TEMP
0186 3923 00 05 08 J
0844 +0682000039 +1207000532+0000000000 +0000000000 +0844 +0005 +0007 +0000 -0003 +0174 0633 L 0000 00705410
0187 -0001 00 05 02 0000000021
0188 3918 00 05 24 TEMP
0189 3923 00 05 08 J
0190 0005 00 03 06
0844 +0682000039 +1207000532+1228001231 +0000000000 +0844 +0005 +0007 +0000 -0002 +0180 0633 L 0001 00735759
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0191 3918 00 05 04 TEMP
0192 0005 00 03 06
0193 -0001 00 05 09 0000000040
0822 +0827000140 +0682000039+0000000000 +0000000195 +0822 +0004 +0006 +0000 -0002 +0180 0633 L 0001 00757861
0827 +0682000039 +1207000532+0000000000 +0000000195 +0822 +0004 +0006 +0000 -0002 +0180 0823 L 0000 00757862
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0194 3959 01 05 04 A
0739 +1204000533 +0000000000+0000000000 +0000000000 +0005 +0003 +0005 +0000 -0002 +0180 0696 E 0002 00765398
0740 +0683000147 +1207000509+0000000000 +0000000000 +0005 +0003 +0005 +0000 -0002 +0180 0696 E 0002 00765400
0195 3919 00 05 01 TEMP
0196 3923 00 05 24 J
0197 3921 00 05 09 TEMP
0198 3938 01 05 24 B
0199 3921 00 05 09 TEMP
0200 3959 01 05 24 A
0201 3920 00 05 09 TEMP
0667 +1196000515 +0000000012+0000000000 +0000000203 +0667 -0001 +0001 +0000 -0002 +0180 0633 E 0000 00817853
0668 +0012000155 +3919000531+0000000000 +0000000012 +0667 -0001 +0001 +0000 -0002 +0180 0633 E 0000 00817855
0669 +0002000248 +0172000839+0000000000 +0000000000 +0667 -0001 +0001 +0000 -0002 +0180 0633 E 0000 00817856
0670 +0320000447 +0000000105+0000000002 +0000000000 +0667 -0001 +0001 +0000 -0002 +0180 0633 E 0000 00817857
0671 +0014000248 -0001000502+0000000002 +0000000000 +0667 -0001 +0001 +0000 -0002 +0180 0633 E 0000 00817858
0672 +0339001815 +0000010667+0000000014 +0000000000 +0667 -0001 +0001 +0000 -0002 +0180 0633 E 0000 00817859
0673 +0320000447 +0000000105+0000000014 +0000000000 +0667 -0001 +0001 +0000 -0002 +0180 0633 E 0000 00817861
0674 +0438000039 +0299000039+0000000014 +0000000000 +0667 -0001 +0001 +0000 -0002 +0180 0633 E 0000 00817862
0202 3959 01 05 24 A
0444 +0001000048 +0126000556+0000000175 +0000000000 +0183 -0001 +0001 +0000 -0002 +0180 0310 E 0001 00825288
0445 +1202000501 +0203000000+0000000176 +0000000000 +0183 -0001 +0001 +0000 -0002 +0180 0310 E 0001 00825289
0446 +0260000039 +0288000232+0203000176 +0000000000 +0183 -0001 +0001 +0000 -0002 +0180 0310 E 0001 00825291
0260 +0288000232 +0767000039+0203000176 +0000000000 +0183 -0001 +0001 +0000 -0002 +0180 0447 E 0002 00825292

0261 +1212000529 -0000000002+0203000176 +0000000000 +0183 -0001 +0001 +0000 -0002 +0180 0447 E 0002 00825294
0262 +1213000530 +0000000180+0203000176 +0000000000 +0183 -0001 +0001 +0000 -0002 +0180 0447 E 0002 00825296
0264 +0298000513 +0000000097+0203000176 +0000000000 +0183 -0001 +0001 +0000 -0002 +0180 0447 E 0002 00825299
0265 +0001050524 +0133000128+0203000176 +0000000000 +0183 -0001 +0001 +0000 +0097 +0180 0447 E 0002 00825301
0266 +0001000153 +0126000556+0203000176 +0000000000 +0183 -0001 +0001 +0000 +0097 +0180 0447 E 0002 00825303
0267 +0297000514 +0000000030+0203000176 +0000000000 +0183 -0001 +0001 +0000 +0096 +0180 0447 E 0002 00825304
0447 +0574000508 -0001030000+0203000176 +0000000000 +0183 -0001 +0001 +0000 -0002 +0180 0289 L 0001 00825318
0448 +0575000524 +0175030000-0001030000 +0000000000 +0183 -0001 +0001 +0000 -0002 +0180 0289 L 0001 00825320
0518 +1220000557 -0000000005+2423172423 +0000000000 -0001 +0000 +0000 +0000 -0003 +0185 0514 E 0002 00825433
0519 +0522000739 +00100104006+2423172423 +0000000000 -0001 +0000 +0000 +0000 -0003 +0185 0514 G 0002 00825435
0522 +0010010406 +3921000524+2423172423 +0000000000 -0001 +0000 +0000 +0000 -0003 +0185 0520 G 0002 00825436
0523 +1199000508 +1624231724+0024231724 +2300000000 -0001 +0000 +0000 +0000 -0003 +0185 0520 G 0002 00825437
0524 +0526000039 +1219000956+1624231724 +2300000000 -0001 +0000 +0000 +0000 -0003 +0185 0520 G 0002 00825439
0822 +0827000140 +0682000039+1228001238 +0100000000 +0822 +0001 +0002 +0000 -0001 +0187 0633 L 0002 00826207
0823 +0682000039 +1207000532+1228001238 +0100000000 +0822 +0001 +0002 +0000 -0001 +0187 0633 L 0001 00826208

OUTPUT A(0)+A(20)+A(40)+B(20)+C(10)

0203 /-0001 00 05 09 0000000000
0204 3959 01 05 08 A
0205 / 0177 00 05 09 0000000020
0823 +0682000039 +1207000532+1228001231 +0000000000 +0822 +0001 +0002 +0000 +0000 +0188 0633 L 0002 00855693

0206 3959 01 05 01 A
0207 / 0193 00 05 09 0000000040
0208 3959 01 05 01 A
0209 / 0205 00 05 09 0000000020
0210 3938 01 05 01 B
0211 /-0001 00 05 09 0000000010

1011 +0682000039 +1207000532+0000000000 +0000000213 +1011 +0000 +0001 +0000 -0002 +0197 0633 E 0000 00900342

0212 3927 01 05 01 C

0930 +0369032715 +1287030000+1287030000 +0000000000 +0930 +0000 +0001 +0000 -0002 +0180 0633 E 0001 00917858
0931 +0007000248 +3920000524+1287030000 +0000000003 +0930 +0000 +0001 +0000 -0002 +0180 0633 E 0001 00917860
0932 +0320000147 +0000000105+0000000007 +0000000003 +0930 +0000 +0001 +0000 -0002 +0180 0633 E 0001 00917861
0933 +0369031009 +1287030000+0000000007 +0000000003 +0930 +0000 +0001 +0000 -0002 +0180 0633 E 0001 00917862
0934 +0001000149 +0126000556+0000000007 +0000000003 +1287 +0000 +0001 +0000 -0002 +0180 0633 E 0001 00917864
0935 +0771000039 +0812000232+0000000007 +0000000003 +1286 +0000 +0001 +0000 -0002 +0180 0633 E 0001 00917865
0793 +0810000039 +1195000531+3030303030 +3030303039 +1286 +0141 +0001 +0000 -0002 +0180 0821 E 0001 00917897
0936 +0039000248 +3927010501+3030303030 +3030303039 +1286 +0000 +0001 +0000 -0002 +0180 0813 E 0001 00917903
0937 +1214002924 -0001030000+0000000039 +3030303039 +1286 +0000 +0001 +0000 -0002 +0180 0813 E 0001 00917904
0938 +0201000039 +0288000232+0000000039 +3030303039 +1286 +0000 +0001 +0000 -0002 +0180 0813 E 0001 00917906

GD TD 9

0939 +0437000039 +0662000442-0001000039 +0000000215 +0139 +0000 +0001 +0000 -0002 +0180 0289 L 0001 00922804

0214 /-0001 00 00 39 00009
0983 +1198000509 +0000000004+1267000000 +0000000000 +0983 +0000 +0001 +0000 -0002 +0197 0633 E 0001 00932841
0984 +0369031008 +1267000000+1267000000 +0000000000 +0004 +0000 +0001 +0000 -0002 +0197 0633 E 0001 00932843
0985 +0399013756 +0140031267+0000001267 +0000000000 +0004 +0000 +0001 +0000 -0002 +0197 0633 E 0001 00932845
0986 +1000000839 +0008000248+0000001267 +0000000000 +0004 +0000 +0001 +0000 -0002 +0197 0633 E 0001 00932847
0987 +0399010508 +0140031267+0000001267 +0000000000 +0004 +0000 +0001 +0000 -0002 +0197 0633 E 0001 00932848
0988 +0575000524 -0001030000+0140031267 +0000000000 +0004 +0000 +0001 +0000 -0002 +0197 0633 E 0001 00932850
0989 +0400010248 +0139020000+0140031267 +0000000000 +0004 +0000 +0001 +0000 -0002 +0197 0633 E 0001 00932852
0990 +0370030533 +1242001245+0000000404 +0000000000 +0004 +0000 +0001 +0000 -0002 +0197 0633 E 0001 00932853
0991 +0370031024 +0000000000+0000000404 +0000000000 +0004 +0000 +0001 +0000 -0002 +0197 0633 E 0001 00932855
0992 +0002000149 +0172000839+0000000404 +0000000000 +0004 +0000 +0001 +0000 -0002 +0197 0633 E 0001 00932857
0993 +1198000525 +0000000004+0000000404 +0000000000 +0002 +0000 +0001 +0000 -0002 +0197 0633 E 0001 00932858
0994 +0682000039 +1207000532+0000000404 +0000000000 +0002 +0000 +0001 +0000 -0002 +0197 0633 E 0001 00932860

END LOOP J

0215 3923 00 05 08 J
0216 0001 00 00 48
0779 +0789000039 -0001011308+0139020000 +0000000218 +0404 +0002 +0001 +0000 -0002 +0197 0777 L 0001 00952838

0217 3923 00 05 24 J

0444 +0001000048 +0126000556+0000000140 +0000000219 +0166 +0000 +0001 +0000 -0002 +0197 0310 L 0002 00967769
0445 +1202000501 +0219000000+0000000141 +0000000219 +0166 +0000 +0001 +0000 -0002 +0197 0310 L 0002 00967770
0446 +0260000039 +0288000232+0219000141 +0000000219 +0166 +0000 +0001 +0000 -0002 +0197 0310 L 0002 00967772
0447 +0574000508 -0001030000+0219000141 +0000000219 +0166 +0000 +0001 +0000 -0002 +0197 0289 L 0002 00967799
0448 +0575000524 +0140031267-0001030000 +0000000219 +0166 +0000 +0001 +0000 -0002 +0197 0289 L 0002 00967801
0469 +0001000048 +0126000556+0000000128 +0000000002 +1268 +0000 +0001 +0000 -0002 +0197 0458 E 0000 00967896

0470 +1202000501 +0219000000+0000000129 +0000000002 +1268 +0000 +0001 +0000 -0002 +0197 0458 E 0000 00967897
0471 +0260000039 +0288000232+0219000129 +0000000002 +1268 +0000 +0001 +0000 -0002 +0197 0458 E 0000 00967899
0930 +03690332715 +1262030000+1262030000 +0000000000 +0930 +0000 +0001 +0000 -0002 +0180 0633 E 0002 00970351
0931 +0007000248 +3920000524+1262030000 +0000000003 +0930 +0000 +0001 +0000 -0002 +0180 0633 E 0002 00970353
0932 +0320000147 +0000000105+0000000007 +0000000003 +0930 +0000 +0001 +0000 -0002 +0180 0633 E 0002 00970354
0933 +0369031009 +1262030000+0000000007 +0000000003 +0930 +0000 +0001 +0000 -0002 +0180 0633 E 0002 00970355
0934 +0001000149 +0126000556+0000000007 +0000000003 +1262 +0000 +0001 +0000 -0002 +0180 0633 E 0002 00970357
0935 +0771000039 +0812000232+0000000007 +0000000003 +1261 +0000 +0001 +0000 -0002 +0180 0633 E 0002 00970358
0779 +0789000039 -0001011308+0133020000 +0000000003 +1261 +0002 +0001 +0000 -0002 +0180 0777 E 0002 00970370
0793 +0810000039 +1195000531+3030303030 +3030303032 +1261 +0002 +0001 +0000 -0002 +0180 0780 E 0002 00970377
0936 +0039000248 +3927010501+3030303030 +3030303032 +1261 +0000 +0001 +0000 -0002 +0180 0813 E 0002 00970383
0937 +1214002924 +0133020000+0000000039 +3030303032 +1261 +0000 +0001 +0000 -0002 +0180 0813 E 0002 00970384
0938 +0201000039 +0288000232+0000000039 +3030303032 +1261 +0000 +0001 +0000 -0002 +0180 0813 E 0002 00970386
. . .
0939 +0437000039 +0662000442+0133000039 +0000000220 +0165 +0000 +0001 +0000 -0002 +0180 0289 L 0002 00975297
. . .
0469 +0001000048 +0126000556+0000000214 +0000000002 +1285 +0000 +0001 +0000 -0002 +0180 0458 E 0001 00982869
0470 +1202000501 +0220000000+0000000215 +0000000002 +1285 +0000 +0001 +0000 -0002 +0180 0458 E 0001 00982870
0471 +0260000039 +0288000232+0220000215 +0000000002 +1285 +0000 +0001 +0000 -0002 +0180 0458 E 0001 00982872
. . .
0983 +11980000509 +00000000002+12560000000 +00000000000 +0983 +0000 +0001 +0000 -0002 +0180 0633 E 0002 00995343
0984 +0369031008 +12560000000+12560000000 +00000000000 +0002 +0000 +0001 +0000 -0002 +0180 0633 E 0002 00995345
0985 +0399013756 +0123031256+0000001256 +00000000000 +0002 +0000 +0001 +0000 -0002 +0180 0633 E 0002 00995347
0986 +10000008339 +0008000248+0000001256 +00000000000 +0002 +0000 +0001 +0000 -0002 +0180 0633 E 0002 00995349
0987 +0399010508 +0123031256+0000001256 +00000000000 +0002 +0000 +0001 +0000 -0002 +0180 0633 E 0002 00995350
0988 +0575000524 -0001030000+0123031256 +00000000000 +0002 +0000 +0001 +0000 -0002 +0180 0633 E 0002 00995352
0989 +0400010248 +0122020000+0123031256 +00000000000 +0002 +0000 +0001 +0000 -0002 +0180 0633 E 0002 00995354
0990 +0370030533 +0404000000+0000000402 +00000000000 +0002 +0000 +0001 +0000 -0002 +0180 0633 E 0002 00995355
0991 +0370031024 +00000000000+0000000402 +00000000000 +0002 +0000 +0001 +0000 -0002 +0180 0633 E 0002 00995357
0992 +0002000149 +0172000839+0000000402 +00000000000 +0002 +0000 +0001 +0000 -0002 +0180 0633 E 0002 00995359
0993 +1198000525 +0000000002+0000000402 +00000000000 +0000 +0000 +0001 +0000 -0002 +0180 0633 E 0002 00995360
0994 +0682000039 +1207000532+0000000402 +00000000000 +0000 +0000 +0001 +0000 -0002 +0180 0633 E 0002 00995362
. . .
0220 XI
0221 3925 00 05 08 I
0222 0001 00 00 48 I
0223 3925 00 05 24 I
0122 00 00 39
0651 +0001000248 +0126000556+0000000651 +00000000000 +0003 +0000 +0000 +0000 -0002 +0184 0622 G 0002 01027890
0652 +1197000524 +0000000000+0000000001 +00000000000 +0003 +0000 +0000 +0000 -0002 +0184 0622 G 0002 01027891
0653 +0634000039 +0029000150+0000000001 +00000000000 +0003 +0000 +0000 +0000 -0002 +0184 0622 G 0002 01027893
. . .
0904 +0009000255 +3921000524+1248030000 +00000000000 +0904 +0001 +0002 +0000 -0003 +0186 0633 L 0000 01028274
0905 +0907000039 +0916003631+1248030000 +00000000009 +0904 +0001 +0002 +0000 -0003 +0186 0633 L 0000 01028275
0907 +0916003631 -0001030839+1248030000 +00000000009 +0904 +0001 +0002 +0000 -0003 +0186 0906 L 0002 01028276
0908 +0016000155 +3923000508+1248030000 +00000000009 +0904 +0001 +0002 +0000 -0003 +0186 0906 L 0002 01028278
0909 +0927003631 -0001030839+1248030000 +00000000007 +0904 +0001 +0002 +0000 -0003 +0186 0906 L 0002 01028279
0910 +0929000515 +0575000000+1248030000 -00000000007 +0904 +0001 +0002 +0000 -0003 +0186 0906 L 0002 01028281
0911 +0370030531 +1245030000+1248030000 +05750000000 +0904 +0001 +0002 +0000 -0003 +0186 0906 L 0002 01028283
0912 +0924000140 +0682000039+1248030000 +05750000000 +0904 +0001 +0002 +0000 -0003 +0186 0906 L 0002 01028285
0913 +0682000039 +1207000532+1248030000 +05750000000 +0904 +0001 +0002 +0000 -0003 +0186 0906 L 0002 01028286
. . .
0224 IF N>0 THEN GO TO 0
0225 / 3926 00 05 08 N
/ 0203 00 05 56 N 0000000000
0918 +1197000508 +00000000001+0918060000 +00000000227 +0918 +0001 +0002 +0000 -0003 +0186 0698 L 0002 01050303
0919 +0001000148 +0126000556+0000000001 +00000000227 +0918 +0001 +0002 +0000 -0003 +0186 0698 L 0002 01050305
0920 +1197000524 +00000000001+0000000000 +00000000227 +0918 +0001 +0002 +0000 -0003 +0186 0698 L 0002 01050306
0921 +0002000151 +0172000839+0000000000 +00000000227 +0918 +0001 +0002 +0000 -0003 +0186 0698 L 0002 01050308
0922 +1205000533 +00000000001+0000000000 +00000000227 +0918 +0001 +0000 +0000 -0003 +0186 0698 L 0002 01050309
0923 +0625000039 +1196000509+0000000000 +00000000227 +0918 +0001 +0000 +0000 -0003 +0186 0698 L 0002 01050311
. . .
0654 +1196000515 +0000000013+0000000000 +00000000227 +0654 +0000 +0000 +0000 -0003 +0186 0633 E 0002 01050325
0655 +0013000155 +3923000508+0000000000 +0000000013 +0654 +0000 +0000 +0000 -0003 +0186 0633 E 0002 01050327
0656 +0662000447 +0010000248+0000000000 +00000000000 +0654 +0000 +0000 +0000 -0003 +0186 0633 E 0002 01050328
0657 +1197000515 +0000000000+0000000000 +00000000000 +0654 +0000 +0000 +0000 -0003 +0186 0633 E 0002 01050329
0658 +0485000147 +0005000249+0000000000 +00000000000 +0654 +0000 +0000 +0000 -0003 +0186 0633 E 0002 01050331
. . .
0226 /-0001 00 09 39
0227 0114 00 00 39 00000
GO TO 99999
0228 /-0001 00 00 39 99999
0458 +0310000514 +0000000183-0000000001 +0000000031 +1257 +0000 +0001 +0000 -0002 +0180 0608 E 0000 01080319
0459 +0001000054 +0126000556-0000000001 +0000000031 +1257 +0000 +0001 +0000 -0002 +0183 0608 E 0000 01080321

0460 -00050000253 -00000000001 +00000000031 +1257 +0000 +0001 +0000 -0002 +0184 0608 E 0000 01080322
0461 +00120000248 +39190000531 -00000000001 +00000000031 +1257 +0000 +0001 +0000 -0005 +0184 0608 E 0000 01080323
0462 +0320000039 +00000000105 +00000000012 +00000000031 +1257 +0000 +0001 +0000 -0005 +0184 0608 E 0000 01080324
0320 +00000000105 +00000017434 +00000000012 +00000000031 +1257 +0000 +0001 +0000 -0005 +0184 0463 E 0000 01080325
0321 +03180000509 +00000000141 +3030303030 +303030303132 +1257 +0000 +0001 +0000 -0005 +0184 0463 E 0000 01080326
0322 +0002011931 +00000000000 +3030303030 +303030303132 +0141 +0000 +0001 +0000 -0005 +0184 0463 E 0000 01080328
0323 +00490000248 +39250000524 +3030303030 +303030303132 +0141 +0000 +0001 +0000 -0005 +0184 0463 E 0000 01080330
0324 +00000000255 +00000017434 +00000000049 +303030303132 +0141 +0000 +0001 +0000 -0005 +0184 0463 E 0000 01080331
0325 +0005050306 +00000017434 +00000000049 +00000000000 +0141 +0000 +0001 +0000 -0005 +0184 0463 E 0000 01080332
0326 +03100000519 +00000000183 +00000000049 +00000000000 +0141 +0000 +0001 +0000 -0005 +0184 0463 E 0000 01080333
0327 +0000010051 +00000000000 +00000000049 +00000000000 +0141 +0000 -0183 +0000 -0005 +0184 0463 E 0000 01080335
0328 +0002060051 +2417130903 +00000000049 +00000000000 +0141 +0000 -0042 +0000 -0005 +0184 0463 E 0000 01080336
0329 +0000030524 +00000000000 +00000000049 +00000000000 +0141 +0000 +0144 +0000 -0005 +0184 0463 E 0000 01080337
0330 +0001030531 +00000000000 +00000000049 +00000000000 +0141 +0000 +0144 +0000 -0005 +0184 0463 E 0000 01080339
0331 +0337000207 +4646464600 +00000000049 +00000000000 +0141 +0000 +0144 +0000 -0005 +0184 0463 E 0000 01080341
0332 +1208000508 +00000000000 +00000000049 +00000000000 +0143 +0000 +0144 +0000 -0005 +0184 0463 E 0000 01080346
0333 +0001000048 +0126000556 +00000000000 +00000000000 +0143 +0000 +0144 +0000 -0005 +0184 0463 E 0000 01080348
0334 +1208000524 +00000000000 +00000000001 +00000000000 +0143 +0000 +0144 +0000 -0005 +0184 0463 E 0000 01080349
0335 +0311000039 +0317000232 +00000000001 +00000000000 +0143 +0000 +0144 +0000 -0005 +0184 0463 E 0000 01080351

0336 +0438000039 1 COMMENT DUPLICATE LABEL FOLLOWED BY LOTS OF OTHER ERRORS +02990000039 +00000000001 +00000000000 +0139 +0000 +0144 +0000 -0005 +0184 0318 E 0000 01087744

*** ERROR 12

(GO TO 25)
0662 +00100000248 +39230000508 -00010000039 +000000000230 +0139 +0001 +0001 +0001 -0004 +0169 0438 L 0000 01102782
0663 +0320000039 +00000000105 +00000000010 +000000000230 +0139 +0001 +0001 +0001 -0004 +0169 0438 L 0000 01102783
0320 +00000000105 +00000017434 +00000000010 +000000000230 +0139 +0001 +0001 +0001 -0004 +0169 0664 L 0001 01102784
0321 +03180000509 +00000000115 +3030303030 +303030303130 +0139 +0001 +0001 +0001 -0004 +0169 0664 L 0001 01102785
0322 +0002011931 +00000000000 +3030303030 +303030303130 +0115 +0001 +0001 +0001 -0004 +0169 0664 L 0001 01102787
0323 +00490000248 +39250000524 +3030303030 +303030303130 +0115 +0001 +0001 +0001 -0004 +0169 0664 L 0001 01102789
0324 +00000000255 +00000017434 +00000000049 +303030303130 +0115 +0001 +0001 +0001 -0004 +0169 0664 L 0001 01102790
0325 +0005050306 +0126000556 +00000000049 +00000000000 +0115 +0001 +0001 +0001 -0004 +0169 0664 L 0001 01102791
0326 +03100000519 +00000000166 +00000000000 +49000000000 +0115 +0001 +0001 +0001 -0004 +0169 0664 L 0001 01102792
0327 +0000010051 +00000000000 +00000000000 +49000000000 +0115 +0001 -0166 +0001 -0004 +0169 0664 L 0001 01102794
0328 +0002060051 +00000000000 +00000000000 +49000000000 +0115 +0001 -0051 +0001 -0004 +0169 0664 L 0001 01102795
0329 +0000030524 +00000000000 +00000000000 +49000000000 +0115 +0001 +0120 +0001 -0004 +0169 0664 L 0001 01102796
0330 +0001030531 +00000000000 +00000000000 +49000000000 +0115 +0001 +0120 +0001 -0004 +0169 0664 L 0001 01102798
0331 +0337000207 +4646464600 +00000000000 +49000000000 +0115 +0001 +0120 +0001 -0004 +0169 0664 L 0001 01102800
0332 +1208000508 +00000000001 +00000000000 +49000000000 +0117 +0001 +0120 +0001 -0004 +0169 0664 L 0001 01102805
0333 +0001000048 +0126000556 +00000000001 +49000000000 +0117 +0001 +0120 +0001 -0004 +0169 0664 L 0001 01102807
0334 +1208000524 +00000000001 +00000000002 +49000000000 +0117 +0001 +0120 +0001 -0004 +0169 0664 L 0001 01102808
0335 +0311000039 +0317000232 +00000000002 +49000000000 +0117 +0001 +0120 +0001 -0004 +0169 0664 L 0001 01102810

0336 +0438000039 0229 /-0001 00 00 39 00025 +02990000039 +00000000002 +49000000000 +0165 +0001 +0120 +0001 -0004 +0169 0318 L 0001 01110241

*** ERROR 10

0662 +00100000248 +39230000508 +12560000000 +00000000000 +0660 +0002 +0003 +0001 -0003 +0186 0633 E 0001 01118265
0663 +0320000039 +00000000105 +00000000010 +00000000000 +0660 +0002 +0003 +0001 -0003 +0186 0633 E 0001 01118266
0320 +00000000105 +00000017434 +00000000010 +00000000000 +0660 +0002 +0003 +0001 -0003 +0186 0664 E 0002 01118267
0321 +03180000509 +00000000115 +3030303030 +303030303130 +0660 +0002 +0003 +0001 -0003 +0186 0664 E 0002 01118268
0322 +0002011931 +00000000000 +3030303030 +303030303130 +0115 +0002 +0003 +0001 -0003 +0186 0664 E 0002 01118270
0323 +00490000248 +39250000524 +3030303030 +303030303130 +0115 +0002 +0003 +0001 -0003 +0186 0664 E 0002 01118272
0324 +00000000255 +00000017434 +00000000049 +303030303130 +0115 +0002 +0003 +0001 -0003 +0186 0664 E 0002 01118273
0325 +0005050306 +0172000839 +00000000049 +00000000000 +0115 +0002 +0003 +0001 -0003 +0186 0664 E 0002 01118274
0326 +03100000519 +00000000183 +00000000000 +00490000000 +0115 +0002 +0003 +0001 -0003 +0186 0664 E 0002 01118275
0327 +0000010051 +00000000000 +00000000000 +00490000000 +0115 +0002 -0183 +0001 -0003 +0186 0664 E 0002 01118277
0328 +0002060051 +00000000000 +00000000000 +00490000000 +0115 +0002 -0068 +0001 -0003 +0186 0664 E 0002 01118278
0329 +0000030524 +00000000000 +00000000000 +00490000000 +0115 +0002 +0120 +0001 -0003 +0186 0664 E 0002 01118279
0330 +0001030531 +00000000000 +00000000000 +00490000000 +0115 +0002 +0120 +0001 -0003 +0186 0664 E 0002 01118281
0331 +0337000207 +4646464600 +00000000000 +00490000000 +0115 +0002 +0120 +0001 -0003 +0186 0664 E 0002 01118283
0332 +1208000508 +00000000002 +00000000000 +00490000000 +0117 +0002 +0120 +0001 -0003 +0186 0664 E 0002 01118288
0333 +0001000048 +0126000556 +00000000002 +00490000000 +0117 +0002 +0120 +0001 -0003 +0186 0664 E 0002 01118290
0334 +1208000524 +00000000002 +00000000003 +00490000000 +0117 +0002 +0120 +0001 -0003 +0186 0664 E 0002 01118291
0335 +0311000039 +0317000232 +00000000003 +00490000000 +0117 +0002 +0120 +0001 -0003 +0186 0664 E 0002 01118293

0336 +0438000039 I = (J = I) +02990000039 +00000000003 +00490000000 +0165 +0002 +0120 +0001 -0003 +0186 0318 E 0002 01125239

*** ERROR 10

0662 +00100000248 +39230000508 +0401000627 +00000000001 -0006 +0003 +0002 +0000 -0001 +0168 0619 G 0002 01133096
0663 +0320000039 +00000000105 +00000000010 +00000000001 -0006 +0003 +0002 +0000 -0001 +0168 0619 G 0002 01133097

I = (A + B)
*** ERROR 10

I = (I = J)
0230 3925 00 05 08 I
0649 +00010000248 +0126000556 +00000000021 +00000000232 +0646 +0001 +0002 +0000 -0002 +0197 0633 E 0000 01162811
0650 +0320000039 +00000000105 +00000000001 +00000000232 +0646 +0001 +0002 +0000 -0002 +0197 0633 E 0000 01162812

```

0231      3923 00 05 02  J
**** ERROR 01
          I = I - J)
0232      3925 00 05 08  I
0233      3923 00 05 02  J
0667 +1196000515 -0000000009+0000000000 +0000000235 +0667 -0001 +0001 +0001 -0003 +0169 0633 F 0001 01200302
0668 +0012000155 +3919000531+0000000000 -0000000009 +0667 -0001 +0001 +0001 -0003 +0169 0633 F 0001 01200304
0669 +0002000248 +0172000839+0000000000 -0000000021 +0667 -0001 +0001 +0001 -0003 +0169 0633 F 0001 01200305
0670 +0320000447 +0000000105+0000000002 -0000000021 +0667 -0001 +0001 +0001 -0003 +0169 0633 F 0001 01200306
. . .
0234      3925 00 05 24  I
**** ERROR 02
          FOR I = 3*(J*-3),167
0840 +0682000039 +1207000532+0000000000 +0000000236 +0835 +0004 +0004 +0001 -0003 +0187 0836 L 0000 01222800
. . .
0235      /-0001 00 05 16  0000000003
0840 +0682000039 +1207000532+0000000000 +0000000000 +0835 +0002 +0003 +0000 -0002 +0187 0836 L 0001 01230341
0741 +0744000508 +0005000206+0000000000 +0000000007 +0003 +0002 +0003 +0000 -0002 +0187 0696 L 0000 01230370
0742 +0200000039 +1214000524+0005000206 +0000000007 +0003 +0002 +0003 +0000 -0002 +0187 0696 L 0000 01230372
0200 +1214000524 +3923000503+0005000206 +0000000007 +0003 +0002 +0003 +0000 -0002 +0187 0743 L 0000 01230373
. . .
0236      3923 00 05 03  J
0743 +0683000039 +1207000509+0005000206 +0000000238 +0139 +0002 +0003 +0000 -0002 +0187 0289 L 0000 01237762
. . .
0237      0005 00 02 06
0899 +0682000039 +1207000532+0000000007 +0000000001 +1256 +0001 +0002 +0000 -0002 +0187 0895 E 0000 01245308
. . .
0238      / 0235 00 05 03  0000000003
0947 +0744000508 +0005000206+0000000003 +0000000000 +0945 +0000 +0002 +0000 -0002 +0197 0633 L 0001 01253054
0948 +0007000255 +3920000524+0005000206 +0000000000 +0945 +0000 +0002 +0000 -0002 +0197 0633 L 0001 01253056
0949 +0200000447 +1214000524+0005000206 +0000000007 +0945 +0000 +0002 +0000 -0002 +0197 0633 L 0001 01253057
0200 +1214000524 +3925000531+0005000206 +0000000007 +0945 +0000 +0002 +0000 -0002 +0197 0950 L 0001 01253058
. . .
0239      3925 00 05 31  I
0950 +0963000039 +1198000509+0005000206 +0000000241 +0165 +0000 +0002 +0000 -0002 +0197 0289 L 0001 01260259
. . .
0240      0005 00 02 06
0241      /-0001 00 05 56  0000000167
0242      /-0001 00 06 39
0644 +0002000248 +0172000839+0201000642 +0000000001 -0004 +0001 +0001 +0000 -0004 +0168 0622 G 0001 01282979
0645 +0612000039 +1196000524+0000000002 +0000000001 -0004 +0001 +0001 +0000 -0004 +0168 0622 G 0001 01282980
0906 +0008000255 +3923000508+1259030000 +0000000000 +0906 +0001 +0002 +0000 -0003 +0169 0633 L 0001 01283246
. . .
          IF 0=1 THEN 0=1
0243      / 0225 00 05 08  0000000000
0244      / 0174 00 05 56  0000000001
0891 +0004000248 +0142000502+0000000004 +0000000001 +1248 +0000 +0002 +0000 -0002 +0180 0662 E 0000 01305693
0892 +0320000039 +0000000105+0000000004 +0000000001 +1248 +0000 +0002 +0000 -0002 +0180 0662 E 0000 01305694
. . .
0245      /-0001 00 08 39
**** ERROR 04
0664 +0001000255 +0126000556+0000000664 +0000000000 +0009 +0000 +0000 +0000 -0004 +0185 0622 G 0002 01320414
0665 +1168001831 +0000000634+0000000664 +0000000001 +0009 +0000 +0000 +0000 -0004 +0185 0622 G 0002 01320415
0666 +0634000039 +0029000150+0000000664 +0000000001 +0009 +0000 +0000 +0000 -0004 +0185 0622 G 0002 01320417
1017 +0006000248 +3920000516+1238030000 +0000003925 +1256 +0000 +0000 +0000 -0002 +0197 1025 E 0000 01322760
1018 +1168001833 +0001000634+0000000006 +0000003925 +1256 +0000 +0000 +0000 -0002 +0197 1025 E 0000 01322761
1019 +0320000039 +0000000105+0000000006 +0000003925 +1256 +0000 +0000 +0000 -0002 +0197 1025 E 0000 01322763
. . .
          ARRAY I(20)
**** ERROR 06
          I(20)=0
**** ERROR 10
          GO TO I+J
0246      3925 00 05 08  I
0247      3923 00 05 01  J
**** ERROR 07
0539 +1215000509 +0000001300+0909000000 +0000000000 +0000 +1133 +0000 +0000 -0003 +0169 0533 L 0001 01380538
0540 +0002021925 +0600001264+0909000000 +0000000000 +1300 +1133 +0000 +0000 -0003 +0169 0533 L 0001 01380540
0541 +0546000039 +0004010250+0909000000 +0000000000 +1300 +1133 +0000 +0000 -0003 +0169 0533 L 0001 01380542
1000 +0008000248 +3923000508+0000001303 +0000000000 +0002 +0000 +0001 +0000 -0002 +0180 0987 G 0000 01382749
1001 +0320000039 +0000000105+0000000008 +0000000000 +0002 +0000 +0001 +0000 -0002 +0180 0987 G 0000 01382750
. . .
          END LOOP II
**** ERROR 08
0500 +0009000248 +3921000524-0000000500 +3000000000 -0012 +0001 +0002 +0001 -0003 +0185 0622 E 0000 01395526
0501 +0320000039 +0000000105+0000000009 +3000000000 -0012 +0001 +0002 +0001 -0003 +0185 0622 E 0000 01395527
. . .

```

I = 1.0

*** ERROR 09

0520 +0011000248 +3923000503+2727272727 +0000000000 -0006 +0000 +0000 +0000 -0003 +0169 0514 L 0000 01410388
0521 +0320000039 +0000000105+0000000011 +0000000000 -0006 +0000 +0000 +0000 -0003 +0169 0514 L 0000 01410389

XXXXXXXXXXXX

*** ERROR 11

0539 +1215000509 +0000001304+0824070500 +0000000000 +0000 +1253 +0000 +0000 -0004 +0186 0533 L 0002 01425484
0540 +0002021925 +0000000000+0824070500 +0000000000 +1304 +1253 +0000 +0000 -0004 +0186 0533 L 0002 01425486
0541 +0546000039 +0004010250+0824070500 +0000000000 +1304 +1253 +0000 +0000 -0004 +0186 0533 L 0002 01425488
1039 +1168001833 +0001000634+0000000000 +0000000000 +1307 +0000 +0000 +0000 -0002 +0197 1037 E 0002 01427765
1040 +0437000039 +0662000442+0000000000 +0000000000 +1307 +0000 +0000 +0000 -0002 +0197 1037 E 0002 01427767

ARRAY HUGE(5000)

HUGE(1) = HUGE(0)

0248 / 0243 00 05 09 0000000000
0249 1083 01 05 08 HUGE
0250 / 0244 00 05 09 0000000001
0667 +1196000515 +0000000012+0000000000 +0000000252 +0667 -0001 +0001 +0000 -0002 +0180 0633 F 0002 01462767
0668 +0012000155 +3919000531+0000000000 +0000000012 +0667 -0001 +0001 +0000 -0002 +0180 0633 F 0002 01462769
0669 +0002000248 +0172000839+0000000000 +0000000000 +0667 -0001 +0001 +0000 -0002 +0180 0633 F 0002 01462770
0670 +0320000447 +0000000105+0000000002 +0000000000 +0667 -0001 +0001 +0000 -0002 +0180 0633 F 0002 01462771
0671 +0014000248 -0001000502+0000000002 +0000000000 +0667 -0001 +0001 +0000 -0002 +0180 0633 F 0001 01462772
0672 +0339001815 +0000010667+0000000014 +0000000000 +0667 -0001 +0001 +0000 -0002 +0180 0633 F 0001 01462773
0673 +0320000447 +0000000105+0000000014 +0000000000 +0667 -0001 +0001 +0000 -0002 +0180 0633 F 0001 01462775
0674 +0438000039 +0299000039+0000000014 +0000000000 +0667 -0001 +0001 +0000 -0002 +0180 0633 F 0001 01462776

0251

1083 01 05 24 HUGE
IF 1000000000 < N*N THEN PUNT

0252 3926 00 05 08 N
0902 +0007000255 +3920000524+0000000000 +0000000254 +0902 +0001 +0002 +0000 -0005 +0189 0633 L 0001 01485264
0903 +0907000039 +0916003631+0000000000 +0000000007 +0902 +0001 +0002 +0000 -0005 +0189 0633 L 0001 01485265
0924 +0682000039 +1207000532+0000000000 +0575000000 +0902 +0001 +0002 +0000 -0005 +0189 0913 L 0000 01485276
0741 +0744000508 +0005000206+0000000000 +0000000007 +0002 +0001 +0002 +0000 -0005 +0189 0696 L 0001 01485305
0742 +0200000039 +1214000524+0005000206 +0000000007 +0002 +0001 +0002 +0000 -0005 +0189 0696 L 0001 01485307
0200 +1214000524 +3926000503+0005000206 +0000000007 +0002 +0001 +0002 +0000 -0005 +0189 0743 L 0002 01485308

0253

3926 00 05 03 N

0743 +0683000039 +1207000509+0005000206 +0000000255 +0139 +0001 +0002 +0000 -0005 +0189 0289 L 0001 01492728

0254

0005 00 02 06
-0001 00 05 56 1000000000

0671 +0014000248 -0001000502+0000000002 +0000000000 +0667 -0001 +0001 +0000 -0002 +0197 0633 F 0002 01508025
0672 +0339001815 +0001010667+0000000014 +0000000000 +0667 -0001 +0001 +0000 -0002 +0197 0633 F 0002 01508026
0673 +0320000447 +0000000105+0000000014 +0000000001 +0667 -0001 +0001 +0000 -0002 +0197 0633 F 0002 01508028

0256

-0001 00 09 39

*** ERROR 14

FDR I = 0.1

0257 / 0248 00 05 08 0000000000
0947 +0744000508 +0005000206+0000000003 +0000000000 +0945 +0000 +0002 +0000 -0002 +0180 0633 L 0002 01538002
0948 +0000000255 +0000017434+0005000206 +0000000000 +0945 +0000 +0002 +0000 -0002 +0180 0633 L 0002 01538004
0949 +0200000447 +1214000524+0005000206 +0000000000 +0945 +0000 +0002 +0000 -0002 +0180 0633 L 0002 01538005
0950 +0963000039 +1198000509+0005000206 +0000000000 +0945 +0000 +0002 +0000 -0002 +0180 0633 L 0002 01538006

0258

1084 00 05 24 T
/ 0250 00 05 56 0000000001
-0001 00 06 39

0469 +0001000048 +0126000556+0000000228 +0000000002 +1288 +0000 +0002 +0000 -0002 +0180 0458 F 0002 01560233
0470 +1202000501 +0261000000+0000000229 +0000000002 +1288 +0000 +0002 +0000 -0002 +0180 0458 F 0002 01560234
0471 +0260000039 +0288000232+0261000229 +0000000002 +1288 +0000 +0002 +0000 -0002 +0180 0458 F 0002 01560236

1041 +1198000512 +0000000004+0000001041 +0000000000 +0014 +0000 +0000 +0000 -0005 +0185 0622 G 0000 01560404
1042 +0008000248 +3923000508+0000001041 +0000000000 +0014 +0000 +0000 +0004 -0005 +0185 0622 G 0000 01560406
1043 +0319000244 +0336000232+0000000008 +0000000000 +0014 +0000 +0000 +0004 -0005 +0185 0622 G 0000 01560407
0319 +0336000232 +0438000039+0000000008 +0000000000 +0014 +0000 +0000 +0004 -0005 +0185 1044 G 0000 01560408

99999 STOP

1044 +0002000152 +0172000839+0000000015 +0000000000 +0139 +0000 +0145 +0004 -0005 +0185 0337 G 0000 01567681
1045 +1042000244 +0008000248+0000000015 +0000000000 +0139 +0000 +0145 +0002 -0005 +0185 0337 G 0000 01567682
1042 +0008000248 +3923000508+0000000015 +0000000000 +0139 +0000 +0145 +0002 -0005 +0185 1046 G 0001 01567683
1043 +0319000244 +0336000232+0000000008 +0000000000 +0139 +0000 +0145 +0002 -0005 +0185 1046 G 0001 01567684
0319 +0336000232 +1044000039+0000000008 +0000000000 +0139 +0000 +0145 +0002 -0005 +0185 1044 G 0001 01567685

*** ERROR 08

1044 +0002000152 +0172000839+0000000016 +0000000000 +0165 +0000 +0119 +0002 -0005 +0185 0337 G 0001 01575180
1045 +1042000244 +0008000248+0000000016 +0000000000 +0165 +0000 +0119 +0000 -0005 +0185 0337 G 0001 01575181
1046 +1096003708 +0002000205+0000000016 +0000000000 +0165 +0000 +0119 +0000 -0005 +0185 0337 G 0000 01575182

1047 +0200000039 +1214000524+0000000205 +0000000000 +0165 +0000 +0119 +0000 -0005 +0185 0337 G 0000 01575184

*** ERROR 08
0270 +0289000039 +0295000232+0000000205 +0000000262 +0139 +0000 +0119 +0000 +0088 +0089 0260 G 0002 01582707

0292 +1210000502 +0000000174+0000000262 +0000000262 +0139 +0000 +0119 +0000 +0088 +0089 0271 G 0001 01582713
0293 +1209000509 +0000000000+0000000088 +0000000262 +0139 +0000 +0119 +0000 +0088 +0089 0271 G 0001 01582715
0294 +0000014524 +0000017434+0000000088 +0000000262 +0000 +0000 +0119 +0000 +0088 +0089 0271 G 0001 01582717

0271 +0001050533 +3923000503+0000000088 +0000000262 +0000 +0000 +0119 +0000 +0088 +0089 0296 G 0002 01582720
0272 +0000060533 +0000000000+0000000088 +0000000262 +0000 +0000 +0119 +0000 +0088 +0089 0296 G 0002 01582722
0273 +0097000253 +0219000141+0000000088 +0000000262 +0000 +0000 +0119 +0000 +0088 +0089 0296 G 0002 01582724
0274 +0098000516 +0203000176+0000000088 +0000000262 +0000 +0000 +0119 +0000 +0097 +0089 0296 G 0002 01582725

0278 +0099000524 -9670216128-7658154374 +0000000262 +0000 +0000 +0119 +0000 -0001 +0089 0278 GX 0002 01583119
0279 +0000000137 +0000017488-7658154374 +0000000262 +0000 +0000 +0119 +0000 -0001 +0089 0278 GX 0002 01583121
0280 +0281000239 +0296000529-7658154374 +0000000262 +0000 +0000 +0119 +0000 -0001 +0089 0278 GX 0002 01583122
0281 +0296000529 +0000000262-7658154374 +0000000262 +0000 +0000 +0119 +0000 -0001 +0089 0281 G 0002 01583123
0282 +0097000253 +0219000141-7658154374 +0000000262 +0000 +0000 +0119 +0000 -0001 +0089 0281 G 0002 01583125
0283 +0000000254 +0000017488-7658154374 +0000000262 +0000 +0000 +0119 +0000 +0097 +0089 0281 G 0002 01583126

1048 +0206000533 +0212000039-7658154374 +0000000262 +0000 +0000 +0119 +0000 -0005 +0185 0289 G 0000 01583136
1049 +0608000250 +0000000100-7658154374 +0000000262 +0000 +0000 +0119 +0000 -0005 +0185 0289 G 0000 01583138
1050 +0000020252 +0000000100-7658154374 +0000000262 +0000 +0608 +0119 +0000 -0005 +0185 0289 G 0000 01583139
1051 +0001043710 -0001031229-7658154374 +0000000262 +0000 +0608 +0119 +0608 -0005 +0185 0289 G 0000 01583140
1052 +1050000442 +0000020252-7658154374 +0000000262 +0000 +1229 +0119 +0608 -0005 +0185 0289 G 0000 01583142
1050 +0000020252 +0000000040-7658154374 +0000000262 +0000 +1229 +0119 +0608 -0005 +0185 1053 G 0001 01583143
1051 +0001043710 -0001031236-7658154374 +0000000262 +0000 +1229 +0119 +1229 -0005 +0185 1053 G 0001 01583144
1052 +1050000442 +0000020252-7658154374 +0000000262 +0000 +1236 +0119 +1229 -0005 +0185 1053 G 0001 01583146
1050 +0000020252 +0000000020-7658154374 +0000000262 +0000 +1236 +0119 +1229 -0005 +0185 1053 G 0002 01583147
1051 +0001043710 -0001031243-7658154374 +0000000262 +0000 +1236 +0119 +1236 -0005 +0185 1053 G 0002 01583148
1052 +1050000442 +0000020252-7658154374 +0000000262 +0000 +1243 +0119 +1236 -0005 +0185 1053 G 0002 01583150

1053 +0002040208 +0257041257-7658154374 +0000000262 +0000 +0000 +0119 +1246 -0005 +0185 1053 G 0000 01583159
1054 +1060000040 +0001040208+0000000257 +0000000262 +0000 +0000 +0119 +1246 -0005 +0185 1053 G 0000 01583161
1055 +0001000048 +0126000536+0000000257 +0000000262 +0000 +0000 +0119 +1246 -0005 +0185 1053 G 0000 01583162
1056 +1202000501 +0262000000+0000000258 +0000000262 +0000 +0000 +0119 +1246 -0005 +0185 1053 G 0000 01583163
1057 +0260000039 +0288000232+0262000258 +0000000262 +0000 +0000 +0119 +1246 -0005 +0185 1053 G 0000 01583165

1058 +0000040508 +0000000000+0262000258 +0000000262 +0000 +0000 +0119 +1246 -0005 +0185 0289 L 0000 01585641
1059 +0200000039 +1214000524+0000000000 +0000000262 +0000 +0000 +0119 +1246 -0005 +0185 0289 L 0000 01585643

0207 +1214000508 +0000000000+0000000000 +0000000262 +0115 +0000 +0119 +1246 -0005 +0185 1060 L 0000 01585656
0208 +0000000105 +0000017488+0000000000 +0000000262 +0115 +0000 +0119 +1246 -0005 +0185 1060 L 0000 01585658
0209 +0004010524 +0000000000+3030303030 +3030303030 +0115 +0000 +0119 +1246 -0005 +0185 1060 L 0000 01585659
0210 +0005010531 +0000000000+3030303030 +3030303030 +0115 +0000 +0119 +1246 -0005 +0185 1060 L 0000 01585661
0211 +0227000039 +1202001008+3030303030 +3030303030 +0115 +0000 +0119 +1246 -0005 +0185 1060 L 0000 01585663

0261 0000 00 02 05
0245 +0289000039 +0295000232+3030303030 +0000000262 +0165 +0000 +0119 +1246 -0005 +0000 0318 G 0002 01590192

0246 +1210000531 +0000000174-0000000001 +0000000262 +0165 +0000 +0119 +1246 -0005 +0000 0296 G 0002 01590199
0247 +0000060431 +0000017488-0000000001 +0000000262 +0165 +0000 +0119 +1246 -0005 +0000 0296 G 0002 01590201
0248 +0100000055 +0000000000-0000000001 +0000000262 +0165 +0000 +0119 +1246 -0005 +0000 0296 G 0002 01590203
0249 +1211000531 +0000000274-0000000001 +0000000362 +0165 +0000 +0119 +1246 -0005 +0000 0296 G 0002 01590204
0250 +0100000155 +0000000000-0000000001 +0000000362 +0165 +0000 +0119 +1246 -0005 +0000 0296 G 0002 01590206
0251 +1209000530 +0000000000-0000000001 +0000000262 +0165 +0000 +0119 +1246 -0005 +0000 0296 G 0002 01590207
0252 +0001000054 +0126000556-0000000001 +0000000262 +0165 +0000 +0119 +1246 -0005 +0000 0296 G 0002 01590209

1060 +0001040208 +0114020000+0000000000 +0000000263 +0165 +0000 +0119 +1246 -0005 +0185 0289 L 0000 01590233
1061 +1071000040 +0002043760+0000000114 +0000000263 +0165 +0000 +0119 +1246 -0005 +0185 0289 L 0000 01590235
1062 +0001042708 +0114020000+0000000114 +0000000263 +0165 +0000 +0119 +1246 -0005 +0185 0289 L 0000 01590236
1063 +0003000148 +3923000508+0000000002 +0000000263 +0165 +0000 +0119 +1246 -0005 +0185 0289 L 0000 01590238
1064 +10710000440 +0002043760-0000000001 +0000000263 +0165 +0000 +0119 +1246 -0005 +0185 0289 L 0000 01590239
1071 +0002043760 +0257041257-0000000001 +0000000263 +0165 +0000 +0119 +1246 -0005 +0185 1065 L 0000 01590240
1072 +0002043712 +0257041257-0000000001 +0000000263 +0165 +0000 +0119 +1246 -0005 +0185 1065 L 0000 01590242
1073 +10510000439 +0001043710-0000000001 +0000000263 +0165 +0000 +0119 +1257 -0005 +0185 1065 L 0000 01590244

1053 +0002040208 +0259041260-0000000001 +0000000263 +0165 +0000 +0119 +1257 -0005 +0185 1074 L 0001 01590248
1054 +1060000040 +0001040208+0000000259 +0000000263 +0165 +0000 +0119 +1257 -0005 +0185 1074 L 0001 01590250
1055 +0001000048 +0000000000+0000000259 +0000000263 +0165 +0000 +0119 +1257 -0005 +0185 1074 L 0001 01590251
1056 +1202000501 +0263000000+0000000260 +0000000263 +0165 +0000 +0119 +1257 -0005 +0185 1074 L 0001 01590252
1057 +0260000039 +0288000232+0263000260 +0000000263 +0165 +0000 +0119 +1257 -0005 +0185 1074 L 0001 01590254

1058 +0000040508 +0000000001+0263000260 +0000000263 +0165 +0000 +0119 +1257 -0005 +0185 0289 L 0001 01590281
1059 +0200000039 +1214000524+0000000001 +0000000263 +0165 +0000 +0119 +1257 -0005 +0185 0289 L 0001 01590283

0207 +1214000508 +0000000001+0000000001 +0000000263 +0141 +0000 +0119 +1257 -0005 +0185 1060 L 0001 01590296
0208 +0000000105 +0000026288+0000000001 +0000000263 +0141 +0000 +0119 +1257 -0005 +0185 1060 L 0001 01590298
0209 +0004010524 +0000000000+3030303030 +3030303031 +0141 +0000 +0119 +1257 -0005 +0185 1060 L 0001 01590299
0210 +0005010531 +0000000000+3030303030 +3030303031 +0141 +0000 +0119 +1257 -0005 +0185 1060 L 0001 01590301

0211 +0227000039 +1202001008+3030303030 +3030303031 +0141 +0000 +0119 +1257 -0005 +0185 1060 L 0001 01590303
. . .
0262 0000000000
1060 +0001040208 +0124020000+0000000001 +0000000264 +0139 +0000 +0119 +1257 -0005 +0185 0289 L 0001 01597714
1061 +1071000040 +0002043760+0000000124 +0000000264 +0139 +0000 +0119 +1257 -0005 +0185 0289 L 0001 01597716
1062 +0001042708 +0124020000+0000000124 +0000000264 +0139 +0000 +0119 +1257 -0005 +0185 0289 L 0001 01597717
1063 +0003000148 +3923000508+0000000002 +0000000264 +0139 +0000 +0119 +1257 -0005 +0185 0289 L 0001 01597719
1064 +1071000040 +0002043760+0000000001 +0000000264 +0139 +0000 +0119 +1257 -0005 +0185 0289 L 0001 01597720
1071 +0002043760 +0259041260+0000000001 +0000000264 +0139 +0000 +0119 +1257 -0005 +0185 1065 L 0001 01597721
1072 +0002043712 +0259041260+0000000001 +0000000264 +0139 +0000 +0119 +1257 -0005 +0185 1065 L 0001 01597723
1073 +10510000439 +0001043710+0000000001 +0000000264 +0139 +0000 +0119 +1260 -0005 +0185 1065 L 0001 01597725
. . .
1053 +0002040208 +0166041268+0000000001 +0000000264 +0139 +0000 +0119 +1260 -0005 +0185 1074 L 0002 01597729
1054 +1060000040 +0001040208+0000000166 +0000000264 +0139 +0000 +0119 +1260 -0005 +0185 1074 L 0002 01597731
1055 +0001000048 +0000000000+0000000166 +0000000264 +0139 +0000 +0119 +1260 -0005 +0185 1074 L 0002 01597732
1056 +1202000501 +0264000000+0000000167 +0000000264 +0139 +0000 +0119 +1260 -0005 +0185 1074 L 0002 01597733
1057 +0260000039 +0288000232+0264000167 +0000000264 +0139 +0000 +0119 +1260 -0005 +0185 1074 L 0002 01597735
. . .
1058 +0000040508 +0000000002+0264000167 +0000000264 +0139 +0000 +0119 +1260 -0005 +0185 0289 L 0002 01597762
1059 +0200000039 +1214000524+0000000002 +0000000264 +0139 +0000 +0119 +1260 -0005 +0185 0289 L 0002 01597764
. . .
0207 +1214000508 +0000000002+0000000002 +0000000264 +0115 +0000 +0119 +1260 -0005 +0185 1060 L 0002 01597777
0208 +0000000105 +0000026288+0000000002 +0000000264 +0115 +0000 +0119 +1260 -0005 +0185 1060 L 0002 01597779
0209 +0004010524 +0000000000+3030303030 +3030303032 +0115 +0000 +0119 +1260 -0005 +0185 1060 L 0002 01597780
0210 +0005010531 +0000000000+3030303030 +3030303032 +0115 +0000 +0119 +1260 -0005 +0185 1060 L 0002 01597782
0211 +0227000039 +1202001008+3030303030 +3030303032 +0115 +0000 +0119 +1260 -0005 +0185 1060 L 0002 01597784
. . .
0263 0000000001
1060 +0001040208 +0133020000+0000000002 +0000000265 +0165 +0000 +0119 +1260 -0005 +0185 0289 L 0002 01605213
1061 +1071000040 +0002043760+0000000133 +0000000265 +0165 +0000 +0119 +1260 -0005 +0185 0289 L 0002 01605215
1062 +0001042708 +0133020000+0000000133 +0000000265 +0165 +0000 +0119 +1260 -0005 +0185 0289 L 0002 01605216
1063 +0003000148 +0000000002+0000000002 +0000000265 +0165 +0000 +0119 +1260 -0005 +0185 0289 L 0002 01605218
1064 +1071000040 +0002043760+0000000001 +0000000265 +0165 +0000 +0119 +1260 -0005 +0185 0289 L 0002 01605219
1071 +0002043760 +0166041268+0000000001 +0000000265 +0165 +0000 +0119 +1260 -0005 +0185 1065 L 0002 01605220
1072 +0002043712 +0166041268+0000000001 +0000000265 +0165 +0000 +0119 +1260 -0005 +0185 1065 L 0002 01605222
1073 +10510000439 +0001043710+0000000001 +0000000265 +0165 +0000 +0119 +1268 -0005 +0185 1065 L 0002 01605224
. . .
0264 0000000002
1074 +1053000244 +0002040208+0000000001 +0000000266 +0139 +0000 +0119 +1271 -0005 +0185 1062 G 0000 01612720
. . .
0265 0000000003
1074 +1053000244 +0002040208+0000000001 +0000000267 +0165 +0000 +0119 +1268 -0005 +0185 1062 G 0001 01620219
1074 +1053000244 +0002040208+0000000001 +0000000267 +0165 +0000 +0119 +1243 -0005 +0185 1065 G 0002 01620253
. . .
0266 0000000005
0267 0000000010
0268 0000000015
0269 0000000020
1065 +0000040508 +0000000025+0000000000 +0000000271 +0165 +0000 +0119 +1291 -0005 +0185 1055 L 0000 01650228
1066 +0000000105 +0000026288+0000000025 +0000000271 +0165 +0000 +0119 +1291 -0005 +0185 1055 L 0000 01650230
1067 +0318000510 +0000000141+3030303030 +3030303235 +0165 +0000 +0119 +1291 -0005 +0185 1055 L 0000 01650231
1068 +0003020531 +0000000000+3030303030 +3030303235 +0165 +0141 +0119 +1291 -0005 +0185 1055 L 0000 01650233
1069 +0007000248 +0000000015+3030303030 +3030303235 +0165 +0141 +0119 +1291 -0005 +0185 1055 L 0000 01650235
1070 +0319000039 +0336000232+0000000007 +3030303235 +0165 +0141 +0119 +1291 -0005 +0185 1055 L 0000 01650236
0319 +0336000232 +1044000039+0000000007 +3030303235 +0165 +0141 +0119 +1291 -0005 +0185 1071 L 0002 01650237
. . .
0270 0000000021
*** ERROR 07 00025 \$
0271 0000000040
0272 0000000167
1075 +1202001008 +0274000000+0000000001 +0000000274 +0165 +0000 +0145 +0000 -0005 +0185 1062 G 0000 01680212
1076 +1201000556 -0000001084+0000000274 +0000000274 +0165 +0000 +0145 +0000 -0005 +0185 1062 G 0000 01680214
1077 +0013000248 +3923000508+0000000274 +0000000274 +0165 +0000 +0145 +0000 -0005 +0185 1062 G 0000 01680216
1078 +0319000639 +0336000232+0000000013 +0000000274 +0165 +0000 +0145 +0000 -0005 +0185 1062 G 0000 01680217
. . .
0273 1000000000
1079 +1102000508 +0100760000+0000000018 +0000000000 +0139 +0000 +0145 +0000 -0005 +0185 0337 G 0000 01687665
1080 +0269000533 +0284000439+0100760000 +0000000000 +0139 +0000 +0145 +0000 -0005 +0185 0337 G 0000 01687667
1081 +0260000039 +0288000232+0100760000 +0000000000 +0139 +0000 +0145 +0000 -0005 +0185 0337 G 0000 01687669
. . .
0292 +1210000502 +0000000262+0000000274 +0000000000 +0139 +0000 +0145 +0000 +0084 +0013 0271 L 0002 01687693
0293 +1209000509 +0000000000+0000000012 +0000000000 +0139 +0000 +0145 +0000 +0084 +0013 0271 L 0002 01687695
0294 +0000014524 +0000026288+0000000012 +0000000000 +0000 +0000 +0145 +0000 +0084 +0013 0271 L 0002 01687697
. . .
1082 +0318000510 +0000000115+8903916483 +0000000000 +0000 +0000 +0145 +0000 -0005 +0185 0289 L 0000 01688116
1083 +1208000508 +0000000018+8903916483 +0000000000 +0000 +0115 +0145 +0000 -0005 +0185 0289 L 0000 01688118
1084 +0000000105 +0000026212+0000000018 +0000000000 +0000 +0115 +0145 +0000 -0005 +0185 0289 L 0000 01688120
1085 +0000020531 +0000000000+3030303030 +3030303138 +0000 +0115 +0145 +0000 -0005 +0185 0289 L 0000 01688121
1086 +0023000249 +3923000524+3030303030 +3030303138 +0000 +0115 +0145 +0000 -0005 +0185 0289 L 0000 01688123
1087 +1101000508 +4040404040+3030303030 +3030303138 +0023 +0115 +0145 +0000 -0005 +0185 0289 L 0000 01688124

1088	+0001020524	+0000000000	+4040404040	+3030303138	+0023	+0115	+0145	+0000	-0005	+0185	0289	L	0000	01688126
1089	+0001000050	+0000000000	+4040404040	+3030303138	+0023	+0115	+0145	+0000	-0005	+0185	0289	L	0000	01688128
1090	+0001000149	+0000000000	+4040404040	+3030303138	+0023	+0116	+0145	+0000	-0005	+0185	0289	L	0000	01688129
1091	+1088000241	+0001020524	+4040404040	+3030303138	+0022	+0116	+0145	+0000	-0005	+0185	0289	L	0000	01688130
1088	+0001020524	+0000000000	+4040404040	+3030303138	+0022	+0116	+0145	+0000	-0005	+0185	1092	L	0001	01688131
1089	+0001000050	+0000000000	+4040404040	+3030303138	+0022	+0116	+0145	+0000	-0005	+0185	1092	L	0001	01688133
1090	+0001000149	+0000000000	+4040404040	+3030303138	+0022	+0117	+0145	+0000	-0005	+0185	1092	L	0001	01688134
1091	+1088000241	+0001020524	+4040404040	+3030303138	+0021	+0117	+0145	+0000	-0005	+0185	1092	L	0001	01688135
1088	+0001020524	+0000000000	+4040404040	+3030303138	+0021	+0117	+0145	+0000	-0005	+0185	1092	L	0002	01688136
1089	+0001000050	+0000000000	+4040404040	+3030303138	+0021	+0117	+0145	+0000	-0005	+0185	1092	L	0002	01688138
1090	+0001000149	+0000000000	+4040404040	+3030303138	+0021	+0118	+0145	+0000	-0005	+0185	1092	L	0002	01688139
1091	+1088000241	+0001020524	+4040404040	+3030303138	+0020	+0118	+0145	+0000	-0005	+0185	1092	L	0002	01688140
1092	+0311000039	+0317000232	+4040404040	+3030303138	+0000	+0138	+0145	+0000	-0005	+0185	1092	L	0000	01688241
*** ERROR 13														
1093	+0000000137	+0000026212	+4040404040	+3030303138	+0165	+0138	+0145	+0000	-0005	+0185	0318	L	0000	01695163
1094	+0000000135	+0000026212	+4040404040	+3030303138	+0165	+0138	+0145	+0000	-0005	+0185	0318	L	0000	01695164
1095	+0000001835	+0000026212	+4040404040	+3030303138	+0165	+0138	+0145	+0000	-0005	+0185	0318	L	0000	01697663
00018													

1096 +0002000205 +0000000001+4040404040 +3030303138 +0165 +0138 +0145 +0000 -0005 +0185 0318 L 0000 01702608
1096 HALT +4040404040 +3030303138 +0165 +0138 +0145 +0000 -0005 +0185 0318 L 01712607

CARDSTART0003

3766	+0099050250	-7658154374	+0000000000	+3033373630	+0099	+0000	+0100	-0001	+3900	+3760	3796	EX	0001	00020085
3767	+0099050508	-7658154374	+0000000000	+3033373630	+0099	+3999	+0100	-0001	+3900	+3760	3796	EX	0001	00020086
3772	+0018060140	+0000024512	+0000000000	+3033373630	+0000	+3900	+0100	-0001	+3900	+3760	3772	EX	0001	00020583
3781	+0000022809	+0000017488	+0000000000	+3033373630	+3998	+3900	+0100	+0088	+3900	+3760	3773	EX	0002	00020588
3782	+0023063628	+0001026007	+0000000000	+3033373630	+0174	+3900	+0100	+0088	+3900	+3760	3773	EX	0002	00020590
3783	+0001028807	+0126000556	+0000000000	+3033373630	+0174	+3900	+0100	+0088	+3900	+3760	3773	EX	0002	00020592
3784	+0001040050	+0000000000	+0000000000	+3033373630	+0262	+3900	+0100	+0088	+3900	+3760	3773	EX	0002	00020769
3785	+0018060039	+0000024512	+0000000000	+3033373630	+0262	+3989	+0100	+0088	+3900	+3760	3773	EX	0002	00020770
3792	+0000013710	+0203000176	+0000000000	+3033373630	+3998	+3989	+0100	+0000	+3900	+3760	3781	EX	0002	00020775
3793	+0000010208	+0203000176	+0000000000	+3033373630	+3998	+0176	+0100	+0000	+3900	+3760	3781	EX	0002	00020777
3794	+0026060242	+0001000150	+0000000203	+3033373630	+3998	+0176	+0100	+0000	+3900	+3760	3781	EX	0002	00020779
3786	+0001000150	+0015000515	+0000000203	+3033373630	+3998	+0176	+0100	+0000	+3900	+3760	3795	EX	0001	00020780
3787	+0000020212	+0172000839	+0000000203	+3033373630	+3998	+0175	+0100	+0000	+3900	+3760	3795	EX	0001	00020781
3788	+0000020224	+0172000839	+0000000203	+3033373630	+3998	+0175	+0100	+0172	+3900	+3760	3795	EX	0001	00020783
3789	+0000040250	-0001000739	+0000000203	+3033373630	+3998	+0175	+0100	+0172	+3900	+3760	3795	EX	0001	00020785
3790	+0027060344	+0000020212	+0000000203	+3033373630	+3998	+0172	+0100	+0172	+3900	+3760	3795	EX	0001	00020786
3787	+0000020212	-0001000739	+0000000203	+3033373630	+3998	+0172	+0100	+0172	+3900	+3760	3791	EX	0002	00020787
3788	+0000020224	-0001000739	+0000000203	+3033373630	+3998	+0172	+0100	-0001	+3900	+3760	3791	EX	0002	00020789
3789	+0000040250	+0000000000	+0000000203	+3033373630	+3998	+0172	+0100	-0001	+3900	+3760	3791	EX	0002	00020791
3790	+0027060344	+0000020212	+0000000203	+3033373630	+3998	-0001	+0100	-0001	+3900	+3760	3791	EX	0002	00020792
3791	+0001000149	+0015000515	+0000000203	+3033373630	+3998	-0001	+0100	-0001	+3900	+3760	3791	EX	0001	00020793
3786	+0001000150	+0015000515	+0000000219	+3033373630	+3997	+0141	+0100	-0001	+3900	+3760	3795	EX	0002	00020799
3791	+0001000149	+0015000515	+0000000219	+3033373630	+3997	-0001	+0100	-0001	+3900	+3760	3795	EX	0002	00020806
3795	+0002060140	+0000030351	+0000000000	+3033373630	+3989	+0000	+0100	-0001	+3900	+3760	3795	EX	0001	00020903
3762	+0000030351	+0000000000	+0000000000	+3033373630	+3989	+0000	+0100	-0001	+3900	+3760	3796	EX	0002	00020904
3763	+0000050136	+0000017488	+0000000000	+3033373630	+3989	+0000	-0100	-0001	+3900	+3760	3796	EX	0002	00020905
3764	+0000030053	+0000000000	+0000000000	+3033373630	+3989	+0000	-0100	-0001	+3900	+3760	3796	EX	0002	00022582
3765	+0099000249	+0000000000	+0000000000	+3033373630	+3989	+0000	-0100	-0001	+3800	+3760	3796	EX	0002	00022583
3766	+0099050250	-8903916483	+0000000000	+3033373630	+0099	+0000	-0100	-0001	+3800	+3760	3796	EX	0002	00022584
3767	+0099050508	-8903916483	+0000000000	+3033373630	+0099	+3899	-0100	-0001	+3800	+3760	3796	EX	0002	00022585
3772	+0018060140	+0000024512	+0000000000	+3033373630	+0000	+3800	-0100	-0001	+3800	+3760	3772	EX	0002	00023082
3795	+0002060140	+0000030351	+0000000100	+3033373630	+3886	+0000	-0100	-0001	+3800	+3760	3795	EX	0002	00023385
3796	+0000000135	+0000003760	+0000000100	+3033373630	+3886	+0000	-0100	-0001	+3800	+3760	3795	EX	0000	00023386
3797	+0000011909	+0100760000	+0000000100	+3033373630	+3886	+0000	-0100	-0001	+3800	+3760	3795	EX	0000	00023081
3798	+0000010239	+0098001636	+0000000100	+3033373630	+0076	+0000	-0100	-0001	+3800	+3760	3795	EX	0000	00023083
0076	+0098001636	+0000000000	+0000000100	+3033373630	+0076	+0000	-0100	-0001	+3800	+3760	3799	EX	0000	00023084
0077	+0000001835	+0000003760	+0000000100	+3033373630	+0076	+0000	-0100	-0001	+3800	+3760	3799	EX	0000	00023085

COMMENT THRETRAN TEST PROGRAM

ARRAY A(40),

ARRAY C(10)

B(20)

000 INPUT N

FOR I=0000000001,N=2

1 FOR J= 1,1

GO

X TO 8

END LOOP J

2 FOR J=20,N*5

INPUT A(J++20)

INPUT B(--J)

INPUT C(A(J-B(J)))

IF -15 < A(2*J)

XTHEN

X IF I=1 THEN

XA(-(J-20))=A(J)=B(J)=J=J*J+J/(J-21)/A(40)

OUTPUT A(0)+A(20)+A(40)+B(20)+C(10)

GO TO 9

8 GO TO 2 *END LOOP J*

9 END LOOP

XI

IF N>0 THEN GO TO 0

STOP

4 ✓

0000000010 ✓

20- ✓

1000000000 ✓

10

20-

2000-

50-

398

398
398
10
398

398
398
10
20-

2000-

2020-

-806-

1214-

1204

DATA -1,1

ADD -0