

DATE: 16-11-2025 18:34:33

USER: NONE

JOB: NONE

PAGE: 0001

1				MM	MM	FFFFFF	FFFF	11								1			
2				MM	MM	FFFFFF	FFFF	111								2			
3				MMM	MM	FFFFFF	FFFF									3			
4				MM	MM	FF										4			
5				MM	MM	MM	FF									5			
6				MM	MM	MM	FF									6			
7				MM	MM	FFFF	FFFF	11								7			
8				MM	MM	FF		11								8			
9				MM	MM	FF		11								9			
10				MM	MM	FF		11								10			
11				MM	MM	FF		1111111111							11				
12				MM	MM	FF		1111111111							12				
13																13			
14																14			
15		SSSSSSSS	6666666666		444											15			
16		SSSSSSSSSS	666666666666		4444											16			
17		SS	SS	66	66	44	44									17			
18		SS		66		44	44									18			
19		SSS	66		44	44										19			
20		SSSSSSSS	666666666666		444444444444											20			
21		SSSSSSSS	666666666666		444444444444											21			
22		SSS	66	66	44											22			
23		SS	66	66	44											23			
24		SS	SS	66	66	44										24			
25		SSSSSSSSSS	666666666666		44											25			
26		SSSSSSSS	6666666666		44											26			
27																27			
28																28			
29		PPPPPPPPPP	RRRRRRRRRR	I	IIIIIIII	MM		MM	FFFFFF	000000000000	RRRRRRRRRR	HH	HH			29			
30		PPPPPPPPPP	RRRRRRRRRR	I	IIIIIIII	MM	MM	MM	FFFF	000000000000	RRRRRRRRRR	HH	HH			30			
31		PP	PP	RR	RR	II	MM	MM	FF	00	00	RR	RR	HH	HH	31			
32		PP	PP	RR	RR	II	MM	MM	MM	FF	00	00	RR	RR	HH	HH	32		
33		PP	PP	RR	RR	II	MM	MM	MM	FF	00	00	RR	RR	HH	HH	33		
34		PPPPPPPPPP	RRRRRRRRRR	I	II	MM	MM	MM	FFFF	00	00	RRRRRRRRRR	HHHHHHHHHHHH			34			
35		PPPPPPPPPP	RRRRRRRRRR	I	II	MM	MM	MM	FFFF	00	00	RRRRRRRRRR	HHHHHHHHHHHH			35			
36		PP	RR	RR	II	MM	MM	FF		00	00	RR	RR	HH	HH	36			
37		PP	RR	RR	II	MM	MM	FF		00	00	RR	RR	HH	HH	37			
38		PP	RR	RR	II	MM	MM	FF		00	00	RR	RR	HH	HH	38			
39		PP	RR	RR	I	IIIIIIII	MM	MM	FF	000000000000	RR	RR	HH	HH		39			
40		PP	RR	RR	I	IIIIIIII	MM	MM	FF	000000000000	RR	RR	HH	HH		40			
41																41			
42																42			
43		JJJJJJJJJJ	11		3333333333											43			
44		JJJJJJJJJJ	111		333333333333											44			
45		JJ	1111		33	33										45			
46		JJ	11		33											46			
47		JJ	11		33											47			
48		JJ	11		3333											48			
49		JJ	11		3333											49			
50		JJ	11		33											50			
51		JJ	JJ	11	33											51			
52		JJ	JJ	11	33											52			
53		JJJJJJJJ	1111111111		333333333333											53			
54		JJJJJJ	1111111111		3333333333											54			
55		****A	START	JOB	13	PRIMFORH	Eratosthenes	Sieve	ROOM	9.17.21 PM	26 NOV 21	PRINTER1	SYS	TK4-	JOB	13	START	A****	55
56		****A	START	JOB	13	PRIMFORH	Eratosthenes	Sieve	ROOM	9.17.21 PM	26 NOV 21	PRINTER1	SYS	TK4-	JOB	13	START	A****	56
57		****A	START	JOB	13	PRIMFORH	Eratosthenes	Sieve	ROOM	9.17.21 PM	26 NOV 21	PRINTER1	SYS	TK4-	JOB	13	START	A****	57
58		****A	START	JOB	13	PRIMFORH	Eratosthenes	Sieve	ROOM	9.17.21 PM	26 NOV 21	PRINTER1	SYS	TK4-	JOB	13	START	A****	58
59		****A	START	JOB	13	PRIMFORH	Eratosthenes	Sieve	ROOM	9.17.21 PM	26 NOV 21	PRINTER1	SYS	TK4-	JOB	13	START	A****	59
60																		60	

1412THE

1

DATE: 16-11-2025 18:34:33

USER: NONE

JOB: NONE

PAGE: 0002

J E S 2 J O B L O G

1
2
3
4 21.17.20 JOB 13 \$HASP373 PRIMFORH STARTED - INIT 1 - CLASS A - SYS TK4-
5 21.17.20 JOB 13 IEF403I PRIMFORH - STARTED - TIME=21.17.20
6 21.17.20 JOB 13 IEFACTRT - Stepname Procstep Program Retcode
7 21.17.20 JOB 13 PRIMFORH PRIMES FORT IEKAA00 RC= 0000
8 21.17.21 JOB 13 PRIMFORH PRIMES GO LOADER RC= 0000
9 21.17.21 JOB 13 IEF404I PRIMFORH - ENDED - TIME=21.17.21
10 21.17.21 JOB 13 \$HASP395 PRIMFORH ENDED
11
12
13 ----- JES2 JOB STATISTICS -----
14
15
16 26 NOV 21 JOB EXECUTION DATE
17
18
19 204 CARDS READ
20
21
22 339 SYSOUT PRINT RECORDS
23
24
25 0 SYSOUT PUNCH RECORDS
26
27
28 0.00 MINUTES EXECUTION TIME
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
1412THE
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
1
1

```
1   1 //PRIMFORH JOB (FORTRAN),  
2   // 'Eratosthenes Sieve',  
3   // CLASS=A,  
4   // MSGCLASS=A,  
5   // REGION=9000K, TIME=1440,  
6   // MSGLEVEL=(1,1),  
7   // USER=HERC01,PASSWORD=          GENERATED BY GDL  
8   *****  
9   ***  
10  *** Name: SYS2.JCLLIB(PRIMFORH)  
11  ***  
12  *** Desc: Sieve of Eratosthenes programmed in FORTRAN,  
13  *** compiled using the IBM OS/360 FORTRAN H Level 21.8 compiler.  
14  *** All prime numbers up to the value entered via  
15  *** //GO.SYSIN DD are computed.  
16  ***  
17  *****  
18  2 //PRIMES EXEC FORTCLD,PARM.GO='SIZE=9000000'  
19  3 XXFORTCLD PROC SOUT='*'          00000100  
20  4 XXFORT  EXEC PGM=IEKAA00,PARM=(SOURCE,MAP)      00000200  
21  5 XXSYSPRINT DD SYSOUT=&SOUT                  00000300  
22  6 XXSYSPUNCH DD SYSOUT=B                 00000400  
23  7 XXSYSLIN  DD DSNAME=&LOADSET,UNIT=SYSDA,DISP=(MOD,PASS),  
24    XX SPACE=(400,(200,50),RLSE)           00000500  
25  8 //FORT.SYSIN DD *  
26  9 XXGO    EXEC PGM=LOADER,PARM=(MAP),COND=(4,LT,FORT)  00000700  
27 10 XXSYSLIB DD DSNAME=SYS1.FORTLIB,DISP=SHR        00000800  
28 11 XXSYSLOUT DD SYSOUT=&SOUT                  00000900  
29 12 XXSYSLIN  DD DSNAME=*.FORT.SYSLIN,DISP=(OLD,PASS) 00001000  
30 13 XXFT05F001 DD DDNAME=SYSIN                00001100  
31 14 //GO.FT06F001 DD SYSOUT=*,DCB=(RECFM=FBA,LRECL=166,BLKSIZE=16600)  
32 X/FT06F001 DD SYSOUT=&SOUT                  00001200  
33 15 XXFT07F001 DD SYSOUT=B                 00001300  
34 16 //GO.SYSIN DD *  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60
```

1 STMT NO. MESSAGE
 2 -
 3 5 IEF653I SUBSTITUTION JCL - SYSOUT=*

4 11 IEF653I SUBSTITUTION JCL - SYSOUT=*

5 14 IEF653I SUBSTITUTION JCL - SYSOUT=*

6
 7 IEF236I ALLOC. FOR PRIMFORH FORT PRIMES
 8 IEF237I JES2 ALLOCATED TO SYSPRINT
 9 IEF237I JES2 ALLOCATED TO SYSPUNCH
 10 IEF237I 180 ALLOCATED TO SYSLIN
 11 IEF237I JES2 ALLOCATED TO SYSIN
 12 IEF142I PRIMFORH FORT PRIMES - STEP WAS EXECUTED - COND CODE 0000
 13 IEF285I JES2.JOB00013.S00103 SYSOUT
 14 IEF285I JES2.JOB00013.S00104 SYSOUT
 15 IEF285I SYS21330.T211720.RA000.PRIMFORH.LOADSET PASSED *-----39
 16 IEF285I VOL SER NOS= WORK02.
 17 IEF285I JES2.JOB00013.SI0101 SYSIN
 18 IEF373I STEP /FORT / START 21330.2117
 19 IEF374I STEP /FORT / STOP 21330.2117 CPU 0MIN 00.05SEC SRB 0MIN 00.01SEC VIRT 9064K SYS 232K
 20
 21 *****
 22 * 1. Jobstep of job: PRIMFORH Stepname: FORT Program name: IEKAA00 Executed on 26.11.21 from 21.17.20 to 21.17.20 *
 23 * elapsed time 00:00:00,12 CPU-Identifier: TK4- Page-in: 0 *
 24 * CPU time 00:00:00,06 Virtual Storage used: 9064K Page-out: 0 *
 25 * corr. CPU: 00:00:00,06 CPU time has been corrected by 1 / 1,0 multiplier *
 26 *
 27 * I/O Operation *
 28 * Number of records read via DD * or DD DATA: 180 *
 29 * DMY.....0 DMY.....0 180.....39 DMY.....0 *
 30 *
 31 * Charge for step (w/o SYSOUT): 0,10 *
 32 *****
 33 IEF236I ALLOC. FOR PRIMFORH GO PRIMES
 34 IEF237I 148 ALLOCATED TO SYSLIB
 35 IEF237I JES2 ALLOCATED TO SYSOUT
 36 IEF237I 180 ALLOCATED TO SYSLIN
 37 IEF237I JES2 ALLOCATED TO FT05F001
 38 IEF237I JES2 ALLOCATED TO FT06F001
 39 IEF237I JES2 ALLOCATED TO FT07F001
 40 IEF142I PRIMFORH GO PRIMES - STEP WAS EXECUTED - COND CODE 0000
 41 IEF285I SYS1.FORTLIB KEPT *-----65
 42 IEF285I VOL SER NOS= MVSRES.
 43 IEF285I JES2.JOB00013.S00105 SYSOUT
 44 IEF285I SYS21330.T211720.RA000.PRIMFORH.LOADSET PASSED *-----40
 45 IEF285I VOL SER NOS= WORK02.
 46 IEF285I JES2.JOB00013.SI0102 SYSIN
 47 IEF285I JES2.JOB00013.S00106 SYSOUT
 48 IEF285I JES2.JOB00013.S00107 SYSOUT
 49 IEF373I STEP /GO / START 21330.2117
 50 IEF374I STEP /GO / STOP 21330.2117 CPU 0MIN 00.04SEC SRB 0MIN 00.01SEC VIRT 8824K SYS 224K
 51
 52 *****
 53 * 2. Jobstep of job: PRIMFORH Stepname: GO Program name: LOADER Executed on 26.11.21 from 21.17.20 to 21.17.21 *
 54 * elapsed time 00:00:00,10 CPU-Identifier: TK4- Page-in: 0 *
 55 * CPU time 00:00:00,05 Virtual Storage used: 8824K Page-out: 0 *
 56 * corr. CPU: 00:00:00,05 CPU time has been corrected by 1 / 1,0 multiplier *
 57 *
 58 * I/O Operation *
 59 * Number of records read via DD * or DD DATA: 1 *
 60 * 148.....65 DMY.....0 180.....40 DMY.....0 DMY.....0 DMY.....0 *

DATE: 16-11-2025 18:34:33

USER: NONE

JOB: NONE

PAGE: 0005

1 LEVEL 21.8 (JUN 74) OS/360 FORTRAN H DATE 21.330/21.17.20

```

2
3      COMPILER OPTIONS - NAME= MAIN,OPT=00,LINECNT=50,SIZE=0000K,
4          SOURCE,EBCDIC,NOLIST,NOCKEY,LOAD,MAP,NOEDIT,NOID,NOXREF
5      C /*-----*/
6      C /* Sieve of Eratosthenes. */
7      C /*-----*/
8      C
9      C /*-----*/
10     C /* Formats for output. */
11     C /*-----*/
12    ISN 0002 3 FORMAT (' ')
13    ISN 0003 4 FORMAT ( 3X, I7, 1X, I7, 1X, I7, 1X, I7, 1X, I7, 1X, I7,
14        11X, I7, 1X, I7, 1X, I7, 1X, I7, 1X, I7, 1X, I7, 1X, I7, 1X,
15        1, I7, 1X, I7, 1X, I7)
16    ISN 0004 5 FORMAT (' Sieve of Eratosthenes generated using OS/360 FORTRAN H L
17        level 21.8')
18    ISN 0005 6 FORMAT (' Upper limit of test range = ', I12)
19    ISN 0006 7 FORMAT (' Number of primes in range = ', I12)
20    ISN 0007 8 FORMAT (I7)
21    ISN 0008 993 FORMAT (' DEBUG: marking as non prime: ', I4)
22    ISN 0009 994 FORMAT (' DEBUG: starting p=', I4, ' j=', I4)
23
24      C /*-----*/
25      C /* Define array of flags, one for each integer in the range */
26      C /* we will test. If the flag is on, the corresponding */
27      C /* number is prime. If it's off, the number is not prime. */
28      C /* We will initialize all the flags to on (assuming every */
29      C /* number is prime) and turn them off as we determine the */
30      C /* corresponding number is not prime. */
31
32    ISN 0010 LOGICAL*1 FLAGS(5000002)
33
34      C /*-----*/
35      C /* The PRIME array will hold all the prime numbers we have */
36      C /* identified, and CPRIME will contain the number of primes */
37      C /* we've found. */
38
39    ISN 0011 INTEGER*4 PRIME(350000)
40    ISN 0012 INTEGER*4 CPRIME
41
42      C /*-----*/
43      C /* J is a loop counter and work variable. */
44
45    ISN 0013 INTEGER*4 J
46
47      C /*-----*/
48      C /* K is the step amount for crossing out prime multiples */
49
50    ISN 0014 INTEGER*4 K

```

PAGE 002

1412THE

```
1
2
3      C
4      C /*-----*/
5      C /* P is the number that we've most recently determined */
6      C /* definitely to be prime. */
7      C /*-----*/
8  ISN 0015      INTEGER*4 P
9
10     C /*-----*/
11     C /* The DEBUG flag is set to TRUE if debugging messages are to */
12     C /* be issued and FALSE otherwise. */
13     C /*-----*/
14  ISN 0016      LOGICAL*1 DEBUG
15
16     C /*-----*/
17     C /* LIMIT sets the upper bound of the range of numbers we */
18     C /* will test. */
19     C /*-----*/
20  ISN 0017      INTEGER*4 LIMIT
21
22     C /*-----*/
23     C /* REPEAT is the number of times that the entire prime */
24     C /* generation process is to be repeated, and is useful */
25     C /* for benchmarking (otherwise it should be 1). */
26     C /*-----*/
27  ISN 0018      INTEGER*4 REPEAT
28
29     C /*-----*/
30     C /* Initialize LIMIT, DEBUG and REPEAT. */
31     C /*-----*/
32  ISN 0019      READ (5, 8) LIMIT
33  ISN 0020      DEBUG = .TRUE.
34  ISN 0020      DEBUG = .FALSE.
35  ISN 0021      REPEAT = 1
36
37     C *-----*
38     C * THIS IS THE TOP OF THE LOOP FOR BENCHMARK TESTING.
39     C *-----*
40  ISN 0022      100 CONTINUE
41  ISN 0023      REPEAT = REPEAT - 1
42  ISN 0024      IF (REPEAT .LT. 0) GO TO 999
43
44     C /*-----*/
45     C /* Initialize all flags to on. We optimistically assume */
46     C /* all numbers are prime, and will subsequently turn flags */
47     C /* off as reality sets in. */
48     C /*-----*/
49  ISN 0026      DO 200 J = 3, LIMIT, 2
50  ISN 0027      FLAGS(J) = .TRUE.
51
52
53
54
55
56
57
58
59
60
```

PAGE 003

1412THE

```

1
2
3 ISN 0028 200 CONTINUE
4
5 C /*-----*/
6 C /* The first prime number is 3, the 2 is handled manually */
7 C /*-----*/
8 ISN 0029 P = 3
9 C
10 C /*-----*/
11 C /* Start of the main loop. P is the prime number we're */
12 C /* currently working on. If P*P is greater than the limit */
13 C /* value, we're done (all the numbers between P and the limit */
14 C /* inclusive have already been marked appropriately). Any */
15 C /* non-prime less than P*P has also already been marked */
16 C /* appropriately, so we will start this pass marking with */
17 C /* P*P (which we will call J).
18 C /*-----*/
19 ISN 0030 300 CONTINUE
20 ISN 0031 J = P * P
21 ISN 0032 K = 2 * P
22 ISN 0033 IF (J .GE. LIMIT) GO TO 700
23 ISN 0035 IF (.NOT. DEBUG) GO TO 400
24 ISN 0037 WRITE (6, 994) P, J
25 C
26 C /*-----*/
27 C /* By definition, all multiples of prime number P are not */
28 C /* prime. Turn off the flags for the multiples of P to */
29 C /* mark them as non-prime. Note: Even numbers are skipped. */
30 C /*-----*/
31 ISN 0038 400 CONTINUE
32 ISN 0039 IF (J .GT. LIMIT) GO TO 500
33 ISN 0041 IF (.NOT. DEBUG) GO TO 420
34 ISN 0043 WRITE (6, 993) J
35 ISN 0044 420 FLAGS(J) = .FALSE.
36 ISN 0045 J = J + K
37 ISN 0046 GO TO 400
38 C
39 C /*-----*/
40 C /* Done marking all multiples of J as not prime. Find the */
41 C /* next prime number after J, set it to P and loop back to */
42 C /* process it. Note: Even numbers are skipped. */
43 C /*-----*/
44 ISN 0047 500 CONTINUE
45 ISN 0048 P = P + 2
46 ISN 0049 IF (FLAGS(P)) GO TO 600
47 ISN 0051 GO TO 500
48 C
49 C /*-----*/
50 C /* Bottom of the main loop. */
51
52
53
54
55
56
57
58
59
60

```

PAGE 004

1412THE

```
1
2
3      C /*-----*/
4 ISN 0052 600 CONTINUE
5 ISN 0053      GO TO 300
6      C
7      C /*-----*/
8      C /* Bottom of the benchmark loop. */
9      C /*-----*/
10 ISN 0054 700 CONTINUE
11 ISN 0055      GO TO 100
12 ISN 0056 999 CONTINUE
13      C
14      C /*-----*/
15      C /* Set the prime numbers we have found in the PRIME array. */
16      C /*-----*/
17 ISN 0057      CPRIME = 1
18 ISN 0058      PRIME(CPRIME) = 2
19 ISN 0059      DO 800 J = 3, LIMIT, 2
20 ISN 0060      IF (.NOT. FLAGS(J)) GO TO 800
21 ISN 0062      CPRIME = CPRIME + 1
22 ISN 0063      PRIME(CPRIME) = J
23 ISN 0064 800 CONTINUE
24      C
25      C /*-----*/
26      C /* Display the results. */
27      C /*-----*/
28 ISN 0065      WRITE (6, 3)
29 ISN 0066      WRITE (6, 5)
30 ISN 0067      WRITE (6, 6) LIMIT
31 ISN 0068      WRITE (6, 7) CPRIME
32 ISN 0069      WRITE (6, 3)
33 ISN 0070      WRITE (6, 4) (PRIME(J), J = 1, CPRIME)
34 ISN 0071      WRITE (6, 3)
35      C
36      C /*-----*/
37      C /* End of program. */
38      C /*-----*/
39 ISN 0072      STOP
40 ISN 0073      END
```

DATE: 16-11-2025 18:34:33

USER: NONE

JOB: NONE

PAGE: 0010

/ MAIN / SIZE OF PROGRAM 61AD06 HEXADECIMAL BYTES PAGE 005

1412THE

	NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.
	J	SF	I*4	0001B4	K	SF	I*4	0001B8	P	SF	I*4	0001BC	DEBUG	S	L*1	0001B0
	FLAGS	S	L*1	0001CC	LIMIT	SF	I*4	0001C0	PRIME	SF	I*4	4C4D14	CPRIME	SF	I*4	0001C4
1	IBCOM#	F	XF	R*4	000000	REPEAT	SF	I*4	0001C8							
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																
25																
26																
27																
28																
29																
30																
31																
32																
33																
34																
35																
36																
37																
38																
39																
40																
41																
42																
43																
44																
45																
46																
47																
48																
49																
50																
51																
52																
53																
54																
55																
56																
57																
58																
59																
60																

DATE: 16-11-2025 18:34:33

USER: NONE

JOB: NONE

PAGE: 0011

LABEL	ADDR	LABEL	ADDR	LABEL	ADDR	LABEL	ADDR	PAGE	006	1412THE
100	61AA6C	200	61AA92	300	61AAB0	400	61AB0C			1
420	61AB48	500	61AB66	600	61AB8C	700	61AB92			2
999	61AB98	800	61ABEC							3
										4
										5
										6
										7
										8
										9
										10
										11
										12
										13
										14
										15
										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27
										28
										29
										30
										31
										32
										33
										34
										35
										36
										37
										38
										39
										40
										41
										42
										43
										44
										45
										46
										47
										48
										49
										50
										51
										52
										53
										54
										55
										56
										57
										58
										59
										60
										61
										62
										63
										64
										65
										66
										67
										68
										69
										70
										71
										72
										73
										74
										75
										76
										77
										78
										79
										80

DATE: 16-11-2025 18:34:33

USER: NONE

JOB: NONE

PAGE: 0012

1 VS LOADER
2
3 OPTIONS USED - PRINT,NOMAP,NOLET,CALL,RES,NOTERM,SIZE=9000000,NAME=**GO
4

5 TOTAL LENGTH 61FFD0
6 ENTRY ADDRESS ACBD0

1412THE
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
1

1
2
3 Sieve of Eratosthenes generated using OS/360 FORTRAN H Level 21.8
4 Upper limit of test range = 2000
5 Number of primes in range = 303
6

2	3	5	7	11	13	17	19	23	29	31	37	41	43	47	53
67	71	73	79	83	89	97	101	103	107	109	113	127	131	137	139
157	163	167	173	179	181	191	193	197	199	211	223	227	229	233	239
257	263	269	271	277	281	283	293	307	311	313	317	331	337	347	349
367	373	379	383	389	397	401	409	419	421	431	433	439	443	449	457
467	479	487	491	499	503	509	521	523	541	547	557	563	569	571	577
599	601	607	613	617	619	631	641	643	647	653	659	661	673	677	683
709	719	727	733	739	743	751	757	761	769	773	787	797	809	811	821
829	839	853	857	859	863	877	881	883	887	907	911	919	929	937	941
967	971	977	983	991	997	1009	1013	1019	1021	1031	1033	1039	1049	1051	1061
1087	1091	1093	1097	1103	1109	1117	1123	1129	1151	1153	1163	1171	1181	1187	1193
1217	1223	1229	1231	1237	1249	1259	1277	1279	1283	1289	1291	1297	1301	1303	1307
1327	1361	1367	1373	1381	1399	1409	1423	1427	1429	1433	1439	1447	1451	1453	1459
1483	1487	1489	1493	1499	1511	1523	1531	1543	1549	1553	1559	1567	1571	1579	1583
1607	1609	1613	1619	1621	1627	1637	1657	1663	1667	1669	1693	1697	1699	1709	1721
1741	1747	1753	1759	1777	1783	1787	1789	1801	1811	1823	1831	1847	1861	1867	1871
1879	1889	1901	1907	1913	1931	1933	1949	1951	1973	1979	1987	1993	1997	1999	

PPPPPPPPPPPP	RRRRRRRRRRR	IIIIIIIII	MM	MM	FFFFFF	000000000000	RRRRRRRRRR	HH	HH		
PPPPPPPPPPPP	RRRRRRRRRRR	IIIIIIIII	MM	MM	FFFF	000000000000	RRRRRRRRRR	HH	HH		
PP	PP	RR	RR	II	MM	00	00	RR	RR	HH	HH
PP	PP	RR	RR	II	MM	00	00	RR	RR	HH	HH
PP	PP	RR	RR	II	MM	00	00	RR	RR	HH	HH
PPPPPPPPPPPP	RRRRRRRRRRR	II	MM	MM	FFFF	00	00	RRRRRRRRRR	RRRRRRRRRR	HHHHHHHHHHHHH	HHHHHHHHHHHHH
PPPPPPPPPPPP	RRRRRRRRRRR	II	MM	MM	FFFF	00	00	RRRRRRRRRR	RRRRRRRRRR	HHHHHHHHHHHHH	HHHHHHHHHHHHH
PP	RR	RR	II	MM	FF	00	00	RR	RR	HH	HH
PP	RR	RR	II	MM	FF	00	00	RR	RR	HH	HH
PP	RR	RR	II	MM	FF	00	00	RR	RR	HH	HH
PP	RR	RR	II	MM	FF	000000000000	RR	RR	RR	HH	HH
PP	RR	RR	II	MM	FF	000000000000	RR	RR	RR	HH	HH

JJJJJJJJJJ	11	3333333333	AAAAAA
JJJJJJJJJJ	111	333333333333	AAAAAAA
JJ	1111	33	AA
JJ	11	33	AA
JJ	11	33	AA
JJ	11	3333	AAAAA
JJ	11	3333	AAAAA
JJ	11	33	AA
JJ	11	33	AA
JJ	11	33	AA
JJ	11	33	AA
JJJJJJJJ	1111111111	333333333333	AA
JJJJJJJJ	1111111111	333333333333	AA

****A	END	JOB	13	PRIMFORH	Eratosthenes	Sieve	ROOM	9.17.21	PM	26	NOV	21	PRINTER1	SYS	TK4-	JOB	13	END	A****
****A	END	JOB	13	PRIMFORH	Eratosthenes	Sieve	ROOM	9.17.21	PM	26	NOV	21	PRINTER1	SYS	TK4-	JOB	13	END	A****
****A	END	JOB	13	PRIMFORH	Eratosthenes	Sieve	ROOM	9.17.21	PM	26	NOV	21	PRINTER1	SYS	TK4-	JOB	13	END	A****
****A	END	JOB	13	PRIMFORH	Eratosthenes	Sieve	ROOM	9.17.21	PM	26	NOV	21	PRINTER1	SYS	TK4-	JOB	13	END	A****