

// JOB T

LOG DRIVE	CART SPEC	CART AVAIL	PHY DRIVE
0000	1112	1112	0000

V2 M10 ACTUAL 8K CONFIG 8K

// FOR

*IOCS(2501READER,1132PRINTER)

*LIST ALL

*ONE WORD INTEGERS

C PRIME NUMBERS MARK III

DIMENSION IPRME (50,10)

M=1

I=1

L=0

GO TO 6

2 A=I

B= SORT(A)

K1=B

K=K1+1

DO 100 J=3,K,2

IF (I-(1/J)*J) 100,1,100

1 IF (I-1) 11,12,11

12 I=2

GO TO 6

11 IF (I-2) 13,14,13

14 I=3

GO TO 6

13 I=I+2

GO TO 2

100 CONTINUE

6 L=L+1

IF (L-50) 4,4,5

4 IPRME (L,M)=I

GO TO 1

5 L=0

M=M+1

IF (M-10) 6,6,7

7 WRITE (3,8)

8 FORMAT('1',T54,'PRIME NUMBERS'//)

WRITE (3,9) ((IPRME(L1,M1),M1=1,10),L1=1,50)

9 FORMAT(' ',10X,10I10)

M=1

IF(I-30000)1,1,10

10 CALL EXIT

END

VARIABLE ALLOCATIONS

A(R)=0000

B(R)=0002

IPRME(I)=01F

J(I)=01F