RAPE

```
                PROGRAM PRIMENO(INPUT,OUTPUT)
000003          DIMENSION JA(2000),KA(2000)
000003          IX=10000
000004          IY=12000
000005          M=IY-IX
000007          CALL PRIME(IX,IY,JA)
000012          LMAX=1
000013          L=1
000014          DO 60 I=1,M
000016          IF(JA(I))70,60,70
000017       70 KA(L)=JA(I)
000022          L=L+1
000023          IF(L-LMAX)60,55,55
000025       55 LMAX=L
000027       60 CONTINUE
000032          PRINT 50,LMAX
000037       50 FORMAT(20X,47HTOTAL NO. OF PRIME NOS. BETWEEN 10000 AND 12000,20X,
               C14//)
000037          PRINT 80,(KA(L),L=1,LMAX)
000052       80 FORMAT(1H0,8(10X,I5))
000052          END
          COMMENT.  SUBROUTINE FOR DETERMINING PRIME NUMBERS
```



```
PRIMENO

PROGRAM LENGTH INCLUDING I/O BUFFERS
012015

FUNCTION ASSIGNMENTS

STATEMENT ASSIGNMENTS
50      -  000063    55      -  000025    60      -  000027    70      -  000017
80      -  000073

BLOCK NAMES AND LENGTHS

VARIABLE ASSIGNMENTS
I       -  007750    IX      -  007743    IY      -  007744    JA      -  000103
KA      -  004023    L       -  007747    LMAX    -  007746    M       -  007745

START OF CONSTANTS
000054

START OF TEMPORARIES
000076

START OF INDIRECTS
000101

UNUSED COMPILER SPACE
002200
```