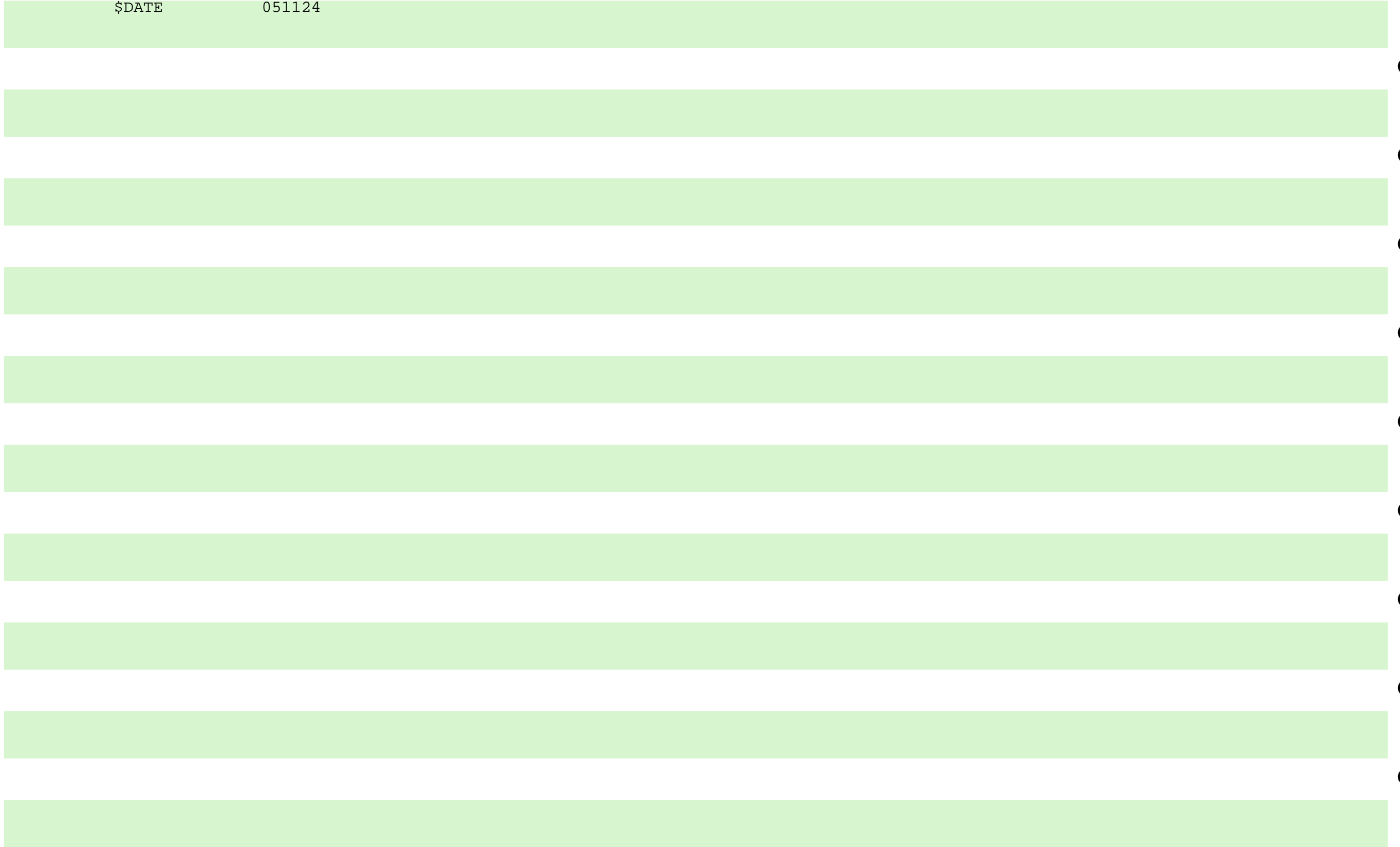


\$LIST
\$DATE 051124



```

$JOB          PRIME NUMBERS
$EXECUTE      IBJOB
IBJOB VERSION 5 HAS CONTROL.
$IIBJOB       GO,LOGIC,MAP,FIOCS
$IIBFTC PRIME  FULIST,REF,NODECK,M90

```

PRIME - EFN SOURCE STATEMENT - IFN(S) -

```
C
C PRIME NUMBER GENERATOR USING THE SIEVE OF ERATOSTHENES
C
C INTEGER I,NUM,MULT,PRIME,SIZE
C DIMENSION IFLAGS(1000)
C *** SET ENDING NUMBER TO BE TESTED (MUST MATCH ARRAY DIMENSION)
C SIZE=1000
C *** MARK ALL NUMBERS IN THE SIEVE AS PRIME INITIALLY, EXCEPT 2
C DO 10 I=1,SIZE
10 IFLAGS(I)=1
C IFLAGS(1)=0
C
C *** WORK THROUGH THE LIST, FINDING THE NEXT MARKED NUMBER
C
C DO 40 NUM=1,SIZE
C IF (IFLAGS(NUM).EQ.0) GOTO 40
C *** MARKED NUMBER IS THE CURRENT PRIME, FORM ITS FIRST MULTIPLE
C PRIME=NUM
C MULT=PRIME+PRIME
C *** UNMARK ALL MULTIPLES OF THE CURRENT PRIME
C 20 IF (MULT.GT.SIZE) GOTO 40
C DO 30 I=MULT,SIZE,PRIME
C 30 IFLAGS(I)=0
C *** GO FIND NEXT UNMARKED NUMBER
C 40 CONTINUE
C
C *** PRINT RESULTS - ALL NUMBERS THAT ARE STILL MARKED
C
C WRITE(6,900) 28
C DO 50 NUM=1,SIZE
C IF (IFLAGS(NUM).EQ.0) GOTO 50
C WRITE(6,901) NUM 35
C 50 CONTINUE
C STOP
C
C 900 FORMAT(22H1LIST OF PRIME NUMBERS)
C 901 FORMAT(1X,I5)
C END
```

PRIME

STORAGE MAP

MAIN PROGRAM
DIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
IFLAGS	00001	I						

UNDIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
NUM	01751	I	MULT	01752	I	PRIME	01753	I
SIZE	01754	I						

ENTRY POINTS

..... SECTION 2

SUBROUTINES CALLED

.FWRD.	SECTION	3	.EXIT.	SECTION	4	.UN06.	SECTION	5
.FFIL.	SECTION	6	.FCNV.	SECTION	7	SYSLOC	SECTION	8
			EFN	IFN	CORRESPONDENCE			

EFN	IFN	LOCATION	EFN	IFN	LOCATION	EFN	IFN	LOCATION
10	6A	02002	40	26A	02046	20	18A	02033
30	23A	02043	900	FORMAT	01765	50	36A	02102
901	FORMAT	01772						

PRIME

ASSEMBLY LISTING

\$IBLDR PRIME

05/11/24

PRIM0000

\$TEXT PRIME

05/11/24

PRIM0001

00000	002000002000	10011		TRA
01755	100000001755	00001		ORG	1005
01755	000000000001	10000	C.0	OCT	000000000001
01756	000000000000	10000	C.1	OCT	000000000000
01757	000000000000	10000	C.2	OCT	000000000000
01760	000000000001	10000	C.3	OCT	000000000001
01761	000000001750	10000	C.4	OCT	000000001750
01762	000000000000	10000	C.5	OCT	000000000000
01763	000000000000	10000	RD.	OCT	000000000000
01764	000000000000	10000		OCT	000000000000
01765	740202300143	10000	900.	BCI	1,(22H1L
01766	316263604626	10000		BCI	1,IST OF
01767	604751314425	10000		BCI	1, PRIME
01770	604564442225	10000		BCI	1, NUMBE
01771	516234606060	10000		BCI	1,RS)
01772	740167733105	10000	901.	BCI	1,(1X,I5
01773	346060606060	10000		BCI	1,)
01774	050000001761	10001	1A	CLA	C.4
01775	060100001754	10001		STO	SIZE
	01776		2A	NULL	
	01776		3A	NULL	
01776	053500401754	10001	4A	LAC	SIZE,4
01777	177777402000	10001		TXI	*+1,4,-1
02000	463400402005	10001		SXD	8A+1,4
02001	477400100001	10000	5A	AXC	1,1
02002	050000001760	10001	6A	CLA	C.3
02003	060100100000	10011	7A	STO	IFLAGS-1,1
	100001700001	10001			
02004	177777102005	10001	8A	TXI	*+1,1,-1
02005	300000102002	10001		TXH	5A+1,1,**
02006	060000000001	10001	9A	STZ	IFLAGS
	02007		10A	NULL	
02007	053500401754	10001	11A	LAC	SIZE,4
02010	177777402011	10001		TXI	*+1,4,-1
02011	463400402047	10001		SXD	27A+1,4
02012	053500401754	10001		LAC	SIZE,4
02013	177777402014	10001		TXI	*+1,4,-1
02014	463400402045	10001		SXD	25A+1,4
02015	477400100001	10000	12A	AXC	1,1
02016	060000001751	10001		STZ	NUM
02017	063400102020	10001		SXA	*+1,1
02020	477400400000	10000		AXC	** ,4
02021	063400401751	10001		SXA	NUM,4
02022	050000100000	10011	13A	CLA	IFLAGS-1,1
	100001700001	10001			
02023	040200001762	10001		SUB	C.5
02024	410000002026	10001		TNZ	16A
	02025		14A	NULL	
02025	002000002046	10001	15A	TRA	26A
02026	050000001751	10001	16A	CLA	NUM
02027	060100001753	10001		STO	PRIME

PRIME

ASSEMBLY LISTING

02030	050000001753	10001	17A	CLA	PRIME
02031	040000001753	10001		ADD	PRIME
02032	060100001752	10001		STO	MULT
02033	050000001752	10001	18A	CLA	MULT
02034	040200001754	10001		SUB	SIZE
02035	010000002040	10001		TZE	20A
02036	412000002040	10001		TMI	20A
02037	002000002046	10001	19A	TRA	26A
	02040		20A	NULL	
02040	053500401753	10001	21A	LAC	PRIME,4
02041	463400402044	10001		SXD	25A,4
02042	053500201752	10001	22A	LAC	MULT,2
	02043		23A	NULL	
02043	060000200000	10011	24A	STZ	IFLAGS-1,2
	100001700001	10001			
02044	100000202045	10001	25A	TXI	++1,2,**
02045	300000202043	10001		TXH	22A+1,2,**
	02046		26A	NULL	
02046	177777102047	10001	27A	TXI	*+1,1,-1
02047	300000102017	10001		TXH	12A+2,1,**
02050	007400403000	10011	28A	TSX	.FWRD.,4
02051	100002002055	10001		TXI	*+4,,2
02052	002110000034	10100		PZE	28,,LK.DR
02053	000000005000	10011		PZE	.UN06.
02054	000000001765	10001		PZE	900.
02055	007400406000	10011		TSX	.FFIL.,4
	02056		29A	NULL	
02056	053500401754	10001	30A	LAC	SIZE,4
02057	177777402060	10001		TXI	*+1,4,-1
02060	463400402103	10001		SXD	37A+1,4
02061	477400100001	10000	31A	AXC	1,1
02062	060000001751	10001		STZ	NUM
02063	063400102064	10001		SXA	*+1,1
02064	477400400000	10000		AXC	** ,4
02065	063400401751	10001		SXA	NUM,4
02066	050000100000	10011	32A	CLA	IFLAGS-1,1
	100001700001	10001			
02067	040200001762	10001		SUB	C.5
02070	410000002072	10001		TNZ	35A
	02071		33A	NULL	
02071	002000002102	10001	34A	TRA	36A
02072	007400403000	10011	35A	TSX	.FWRD.,4
02073	100002002077	10001		TXI	*+4,,2
02074	002110000043	10100		PZE	35,,LK.DR
02075	000000005000	10011		PZE	.UN06.
02076	000000001772	10001		PZE	901.
02077	050000001751	10001		CLA	NUM
02100	007400407000	10011		TSX	.FCNV.,4
02101	007400406000	10011		TSX	.FFIL.,4
	02102		36A	NULL	
02102	177777102103	10001	37A	TXI	*+1,1,-1
02103	300000102063	10001		TXH	31A+2,1,**
02104	050000001756	10001	38A	CLA	C.1
02105	007400404000	10011		TSX	.EXIT.,4
02106	100000002110	10001		TXI	*+2,,0
02107	002110000046	10100		PZE	38,,LK.DR

PRIME

ASSEMBLY LISTING

02110	000000000000	10000	LK.DR	PZE	**
02111	475131442560	10000		BCI	1,PRIME
02112	100000002121	10001	TXI	*+7,,**
02113	077400200000	10000		AXT	** ,2
02114	077400100000	10000		AXT	** ,1
02115	077400400000	10000		AXT	** ,4
02116	044100002120	10001		LDI	*+2
02117	002000400001	10000		TRA	1,4
02120	000000000000	10000		PZE	**
02121	060400002120	10001		STI	*-1
02122	063400410000	10011		SXA	SYSLOC,4
02123	063400402110	10001		SXA	LK.DR,4
02124	063400402115	10001		SXA	*-7,4
02125	063400102114	10001		SXA	*-9,1
02126	063400202113	10001		SXA	*-11,2
02127	002000001774	10001		TRA	1A

PRIME ASSEMBLY LISTING

```
$CDICT PRIME                                05/11/24    PRIM0009
002130002112          PREFACE  START=1098,LENGTH=1112,TYPE=7090,CMPLX=5
000000000005
475131442560    PRIME  DECK      LOC=0,LENGTH=1112
002130000000
333333333333    .....  REAL      LOC=1098,LENGTH=0
000000002112
332666512433    .FWRD.  VIRTUAL  SECT. 3,CALL
200000100000
332567316333    .EXIT.  VIRTUAL  SECT. 4,CALL
200000100000
336445000633    .UN06.  VIRTUAL  SECT. 5
200000000000
332626314333    .FFIL.  VIRTUAL  SECT. 6
200000000000
332623456533    .FCNV.  VIRTUAL  SECT. 7
200000000000
627062434623    SYSLOC  VIRTUAL  SECT. 8
200000000000
```

```
$DKEND PRIME                                05/11/24    PRIM0011
THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 02130.
```


* CROSS REFERENCE LOGIC *

DECK PRIME 02760 SIZE = 02130

REAL 05072

VIRT .FWRD. REFERS TO FRDD AT 11374

VIRT .EXIT. REFERS TO XIT AT 10674

VIRT .UN06. REFERS TO UN06 AT 16365

VIRT .FFIL. REFERS TO FIOH AT 13041

VIRT .FCNV. REFERS TO FIOH AT 12744

VIRT SYSLOC REFERS TO .JBCON AT 02652

SUBR .IBSYS 00000 SIZE = 00134

REAL SYSLB1 00000

REAL SYSLB2 00001

REAL SYSLB3 00002

REAL SYSLB4 00003 REF'D BY - FIOS

REAL SYSCRD 00004

REAL SYSPRT 00005

REAL SYSPCH 00006

REAL SYSOU1 00007 REF'D BY - FIOS , FXEM , .FPTRP , .LXSL , .LXCON

REAL SYSOU2 00010

REAL SYSIN1 00011 REF'D BY - FIOS

REAL SYSIN2 00012

REAL SYSPP1 00013

REAL SYSPP2 00014

REAL SYSCK1 00015

REAL SYSCK2 00016

REAL SYSUT1 00017

REAL SYSUT2 00020

REAL SYSUT3 00021

REAL SYSUT4 00022

REAL SYSUT5 00023

REAL SYSUT6 00024

REAL SYSUT7 00025

REAL SYSUT8 00026

REAL SYSUT9 00027

REAL SYSTRA 00100

REAL SYSDAT 00101

REAL SYSCUR 00102

REAL SYSRET 00103 REF'D BY - .LXCON

REAL SYSKEY 00104

REAL SYSSWS 00105

REAL SYSPOS 00106

REAL SYSUNI 00107 REF'D BY - FIOS , .LXSL , .LXCON

REAL SYSUBC 00110

REAL SYSUAV 00111 REF'D BY - .LXCON

REAL SYSUCW 00112

REAL SYSRPT 00113

REAL SYSCEM 00114

REAL SYSDMP 00115 REF'D BY - .LXCON

REAL SYSIOX 00116

REAL SYSIDR 00117 REF'D BY - .LXCON

REAL SYSCOR 00120

REAL SYSLDR 00121

REAL SYSACC 00122

REAL SYSPID 00123

* CROSS REFERENCE LOGIC *

```

REAL SYSCYD 00124
REAL SYSSLD 00126
REAL SYSTCH 00127
REAL SYSTWT 00131 REF'D BY - .LXSL , .IOCSF
REAL SYSGET 00132
REAL SYSJOB 00133 REF'D BY - .LXSL , .IOCSF, .LXCON
SUBR .IOEX 00702 SIZE = 00047
REAL .ACTV 00702 REF'D BY - .LXSL , .IOCSF, .IODEF
REAL .NDSEL 00704
REAL .MWR 00706 REF'D BY - .LXSL , .LXCON
REAL .PUNCH 00707
REAL .ENBSW 00710
REAL .PAWS 00711
REAL .PAUSE 00712
REAL .STOP 00713
REAL .SYMUN 00714
REAL .DECVD 00715 REF'D BY - .LXSL
REAL .DECVA 00716 REF'D BY - FIOT
REAL .CKWAT 00717
REAL .BCD5R 00720 REF'D BY - FXEM , .LXCON
REAL .BCD5X 00721 REF'D BY - FIOH
REAL .CVPRT 00722
REAL .STOPD 00723 REF'D BY - .LXCON
REAL .CHXAC 00724
REAL .URRX 00725 REF'D BY - .LXSL
REAL .RCTX 00726
REAL .RCHX 00727 REF'D BY - .LXSL
REAL .TCOX 00730
REAL .TRCX 00731
REAL .ETTX 00732
REAL .TEFX 00733
REAL .TRAPX 00734
REAL .TRAPS 00735
REAL .COMM 00736
REAL .LTPOS 00737
REAL .IOXSI 00740
REAL .CHPSW 00741
REAL .TRPSW 00742
REAL .FDAMT 00743 REF'D BY - .LXSL
REAL .SDCXI 00744
REAL .STCXI 00745
REAL .COMMD 00746
REAL .IBCDZ 00747
REAL .CHXSP 00750
SUBR .JBCON 02652 SIZE = 00046
REAL SYSLOC 02652 REF'D BY - PRIME , FCNV , FIOH , FRDD , FXEM , .LXSL
REAL SYSFAZ 02653
REAL .JCOR 02654
REAL .JDATE 02655
REAL .JLDAT 02656
REAL .JTYPE 02660 REF'D BY - .LXCON
REAL .JLIN 02661 REF'D BY - FIOS , .LXCON
REAL .JVER 02662
REAL SYSDSB 02663

```

* CROSS REFERENCE LOGIC *

REAL .IOEXD 02664
REAL .FDPOS 02715
REAL .JDTRK 02716
REAL .SYSZRO 02717

SUBR .LXCON 05110 SIZE = 00454

REAL .LXSTR 05110
REAL .LXSTP 05113 REF'D BY - .LXSL
REAL .LXOUT 05161
REAL .LXERR 05170 REF'D BY - FIOS , FXEM
REAL .LXCAL 05173
REAL .LXRTN 05173 REF'D BY - FIOS , XIT
REAL IBEXIT 05173
REAL .DBCLS 05355
REAL .LXARG 05524
REAL .L0 05547
REAL .CLSE 05555 REF'D BY - .IODEF
REAL .LFBL 05556
REAL .LUNB 05557 REF'D BY - .IODEF
REAL .DFOUT 05560 REF'D BY - .LXSL
VIRT .LXSEL REFERS TO .LXSL AT 10313
VIRT .LXSL1 REFERS TO .LXSL AT 10314
VIRT .BCD5R REFERS TO .IOEX AT 00720
VIRT .MWR REFERS TO .IOEX AT 00706
VIRT .JTYPE REFERS TO .JBCON AT 02660
VIRT SYSJOB REFERS TO .IBSYS AT 00133
VIRT SYSUNI REFERS TO .IBSYS AT 00107
VIRT SYSUAV REFERS TO .IBSYS AT 00111
VIRT SYSIDR REFERS TO .IBSYS AT 00117
VIRT .JLIN REFERS TO .JBCON AT 02661
VIRT SYSRET REFERS TO .IBSYS AT 00103
VIRT SYSDMP REFERS TO .IBSYS AT 00115
VIRT SYSOU1 REFERS TO .IBSYS AT 00007
VIRT .LTCH REFERS TO .LXSL AT 10455
VIRT .STOPD REFERS TO .IOEX AT 00723

SUBR .IODEF 05564 SIZE = 00224

REAL .DEFIN 05564 REF'D BY - .IOCSF
REAL .ATTAC 05570
REAL .CLOSE 05572 REF'D BY - FIOS
REAL .OPEN 05574 REF'D BY - FIOS
REAL .READ 05576 REF'D BY - FIOS
REAL .WRITE 05600 REF'D BY - FIOS
REAL .BSR 05610
REAL .READR 05620
REAL .RELES 05622
REAL .LAREA 05633
REAL .LFBLK 05651 REF'D BY - .IOCSF
REAL .LTSX 05654
REAL .RLHLD 05664
REAL .AREA1 05667 REF'D BY - .IOCSF
REAL .LUNBL 05675
REAL .ENTRY 05701 REF'D BY - .IOCSF
REAL .GOA 05736 REF'D BY - .IOCSF
REAL .GO 05742 REF'D BY - .IOCSF
REAL .DERR 05756 REF'D BY - .IOCSF

* CROSS REFERENCE LOGIC *

```
REAL .NOPXI 05757 REF'D BY - .IOCSF
REAL .COMXI 05761 REF'D BY - .IOCSF
REAL .EX34 06003 REF'D BY - .IOCSF
VIRT .ACTV REFERS TO .IOEX AT 00702
VIRT .CLSE REFERS TO .LXCON AT 05555
VIRT .LUNB REFERS TO .LXCON AT 05557

SUBR .IOCSF 06010 SIZE = 02302
VIRT .ACTV REFERS TO .IOEX AT 00702
VIRT .NOPXI REFERS TO .IODEF AT 05757
VIRT .COMXI REFERS TO .IODEF AT 05761
VIRT .LFBLK REFERS TO .IODEF AT 05651
VIRT .AREA1 REFERS TO .IODEF AT 05667
VIRT .EX34 REFERS TO .IODEF AT 06003
VIRT .DEFIN REFERS TO .IODEF AT 05564
VIRT .ENTRY REFERS TO .IODEF AT 05701
VIRT .GOA REFERS TO .IODEF AT 05736
VIRT .GO REFERS TO .IODEF AT 05742
VIRT .DERR REFERS TO .IODEF AT 05756
VIRT SYSTWT REFERS TO .IBSYS AT 00131
VIRT SYSJOB REFERS TO .IBSYS AT 00133

SUBR .LXSL 10312 SIZE = 00152
REAL .LXSLB 10312
REAL .LXSEL 10313 REF'D BY - .LXCON, FXEM
REAL .LXSL1 10314 REF'D BY - .LXCON, .FPTRP
REAL .LXTST 10317
REAL .LXOVL 10362
REAL .LXMOD 10424
REAL .LXIND 10450
REAL .LXDIS 10453
REAL .LXFLG 10454
REAL .LTCH 10455 REF'D BY - .LXCON, FXEM, .FPTRP
VIRT SYSLOC REFERS TO .JBCON AT 02652
VIRT SYSOU1 REFERS TO .IBSYS AT 00007
VIRT .DFOUT REFERS TO .LXCON AT 05560
VIRT SYSUNI REFERS TO .IBSYS AT 00107
VIRT .ACTV REFERS TO .IOEX AT 00702
VIRT .RCHX REFERS TO .IOEX AT 00727
VIRT SYSJOB REFERS TO .IBSYS AT 00133
VIRT .URRX REFERS TO .IOEX AT 00725
VIRT .DECVD REFERS TO .IOEX AT 00715
VIRT .FDAMT REFERS TO .IOEX AT 00743
VIRT .MWR REFERS TO .IOEX AT 00706
VIRT .LXSTP REFERS TO .LXCON AT 05113
VIRT SYSTWT REFERS TO .IBSYS AT 00131

SUBR .FPTRP 10464 SIZE = 00210
REAL .FFPT. 10464
REAL .FPOUT 10613
REAL .FPARG 10621
REAL .COUNT 10623
REAL OVFLOW 10667
VIRT .LXSL1 REFERS TO .LXSL AT 10314
VIRT SYSOU1 REFERS TO .IBSYS AT 00007
VIRT .LTCH REFERS TO .LXSL AT 10455
```

* CROSS REFERENCE LOGIC *

```

SUBR  XIT      10674
REAL  EXIT    10674
REAL  .EXIT.  10674 REF'D BY - PRIME
VIRT  .LXRTN  REFERS TO .LXCON AT 05173

SUBR  FXEM    10675  SIZE = 00357
REAL  .FXEM.  10675 REF'D BY - FIOT , FCNV , FIOH , FIOS
REAL  TRACE   10703
REAL  .OPTW.  11240  SIZE = 00003
VIRT  .LXSEL  REFERS TO .LXSL  AT 10313
VIRT  SYSLOC  REFERS TO .JBCON  AT 02652
VIRT  .BCD5R  REFERS TO .IOEX   AT 00720
VIRT  .LXERR  REFERS TO .LXCON  AT 05170
VIRT  SYSOU1  REFERS TO .IBSYS  AT 00007
VIRT  .LTCH  REFERS TO .LXSL   AT 10455

SUBR  FCOM    11254  SIZE = 00115
REAL  .FCOM.  11254 REF'D BY - FIOT , FCNV , FIOH , FIOS , FRDD
REAL  FORCOM  11357  SIZE = 00012

SUBR  FRDD    11371  SIZE = 00115
REAL  .FRDD.  11371
REAL  .FWRD.  11374 REF'D BY - PRIME
VIRT  .FIOH.  REFERS TO FIOH   AT 12165
VIRT  .FCOM.  REFERS TO FCOM   AT 11254
VIRT  .FIOS.  REFERS TO FIOS   AT 11506
VIRT  .FCON.  REFERS TO FCNV   AT 13160
VIRT  SYSLOC  REFERS TO .JBCON  AT 02652
VIRT  .FSEL.  REFERS TO FIOS   AT 11675
VIRT  .FRTB.  REFERS TO FIOS   AT 11712
VIRT  .FRTD.  REFERS TO FIOS   AT 11727

SUBR  FIOS    11506  SIZE = 00457
REAL  .FIOS.  11506 REF'D BY - FRDD
REAL  .FSEL.  11675 REF'D BY - FRDD
REAL  .FRTB.  11712 REF'D BY - FRDD
REAL  .FRTD.  11727 REF'D BY - FRDD
REAL  .FBF1.  12161
VIRT  .FIOT.  REFERS TO FIOT   AT 16246
VIRT  .FXEM.  REFERS TO FXEM   AT 10675
VIRT  .FCOM.  REFERS TO FCOM   AT 11254
VIRT  SYSUNI  REFERS TO .IBSYS  AT 00107
VIRT  SYSIN1  REFERS TO .IBSYS  AT 00011
VIRT  SYSOU1  REFERS TO .IBSYS  AT 00007
VIRT  SYSLB4  REFERS TO .IBSYS  AT 00003
VIRT  .FIOE.  REFERS TO FIOT   AT 16337
VIRT  .CLOSE  REFERS TO .IODEF  AT 05572
VIRT  .OPEN   REFERS TO .IODEF  AT 05574
VIRT  .READ   REFERS TO .IODEF  AT 05576
VIRT  .WRITE  REFERS TO .IODEF  AT 05600
VIRT  .JLIN  REFERS TO .JBCON  AT 02661
VIRT  .LXERR  REFERS TO .LXCON  AT 05170
VIRT  .LXRTN  REFERS TO .LXCON  AT 05173

SUBR  FIOH    12165  SIZE = 00773
REAL  .FIOH.  12165 REF'D BY - FRDD

```

* CROSS REFERENCE LOGIC *

REAL .FCNV. 12744 REF'D BY - PRIME
REAL .FFIL. 13041 REF'D BY - PRIME
REAL .FRTN. 13041
VIRT .FCON. REFERS TO FCNV AT 13160
VIRT .FXEM. REFERS TO FXEM AT 10675
VIRT SYSLOC REFERS TO .JBCON AT 02652
VIRT .FCOM. REFERS TO FCOM AT 11254
VIRT .BCD5X REFERS TO .IOEX AT 00721

SUBR FCNV 13160 SIZE = 03066
REAL .FCON. 13160 REF'D BY - FIOH , FRDD
VIRT .FXEM. REFERS TO FXEM AT 10675
VIRT SYSLOC REFERS TO .JBCON AT 02652
VIRT .FCOM. REFERS TO FCOM AT 11254

SUBR FIOT 16246 SIZE = 00117
REAL .FIOT. 16246 REF'D BY - FIOS , UN06
REAL .FIOE. 16337 REF'D BY - FIOS
VIRT .FXEM. REFERS TO FXEM AT 10675
VIRT .FCOM. REFERS TO FCOM AT 11254
VIRT .DECVA REFERS TO .IOEX AT 00716

SUBR UN06 16365
REAL .UN06. 16365 REF'D BY - PRIME
REAL ..UN06 16365
VIRT .FIOT. REFERS TO FIOT AT 16246

* IOCS CONTROLS *

FILE LIST

LOC

02734 GROUP RESERVED 00001 BUFFERS, MAXIMUM FILE OPEN COUNT = 00001
02735 UNIT06

BUFFER POOL

LOC

16366 BUFFER COUNT = 01014 , BUFFER SIZE = 00023 FILE COUNT= 00001 , FILE LIST LOC = 02734

* MEMORY MAP *

```

SYSTEM                00000 THRU  02717
FILE BLOCK ORIGIN    02720
FILES 1. UNIT06
FILE LIST ORIGIN     02734
PRE-EXECUTION INITIALIZATION 02736
CALL ON OBJECT PROGRAM 02753
OBJECT PROGRAM       02760 THRU  16365

```

```

DECK ORIGIN CONTROL SECTIONS (/NAME/=NON 0 LENGTH, (LOC)=DELETED, 'LOC'=MOVED, *=NOT REFERENCED)
1. PRIME 02760 ..... 05072 *
2. .LXCON 05110 .LXSTR 05110 * .LXSTP 05113 .LXOUT 05161 * .LXERR 05170 .LXCAL 05173 *
   .LXRTN 05173 IBEXIT 05173 * .DBCLS 05355 * .LXARG 05524 * .LO 05547 *
   .CLSE 05555 .LFBL 05556 * .LUNB 05557 .DFOUT 05560
3. .IODEF 05564 .DEFIN 05564 .ATTAC 05570 * .CLOSE 05572 .OPEN 05574 .READ 05576
   .WRITE 05600 .BSR 05610 * .READR 05620 * .RELES 05622 * .LAREA 05633 *
   .LFBLK 05651 .LTSX 05654 * .RLHLD 05664 * .AREAL 05667 .LUNBL 05675 *
   .ENTRY 05701 .GOA 05736 .GO 05742 .DERR 05756 .NOPXI 05757
   .COMXI 05761 .EX34 06003
4. .IOCSF 06010
5. .LXSL 10312 .LXSLB 10312 * .LXSEL 10313 .LXSL1 10314 .LXTST 10317 * .LXOVL 10362 *
   .LXMOD 10424 * .LXIND 10450 * .LXDIS 10453 * .LXFLG 10454 * .LTCH 10455
6. .FPTRP 10464 .FFPT. 10464 * .FPOUT 10613 * .FPARG 10621 * /.COUNT/ 10623 * OVFLOW 10667 *
7. XIT 10674 EXIT 10674 * .EXIT. 10674
8. FXEM 10675 .FXEM. 10675 TRACE 10703 * /.OPTW./ 11240 *
9. FCOM 11254 .FCOM. 11254 /FORCOM/ 11357 *
10. FRDD 11371 .FRDD. 11371 * .FWRD. 11374
11. FIOS 11506 .FIOS. 11506 .FSEL. 11675 .FRTB. 11712 .FRTD. 11727 /.FBF1./ 12161 *
12. FIOH 12165 .FIOH. 12165 .FCNV. 12744 .FFIL. 13041 .FRTN. 13041 *
13. FCNV 13160 .FCON. 13160
14. FIOT 16246 .FIOT. 16246 .FIOE. 16337
15. UN06 16365 .UN06. 16365 ..UN06 16365 *

```

```

I/O BUFFERS                16366 THRU  77775

```

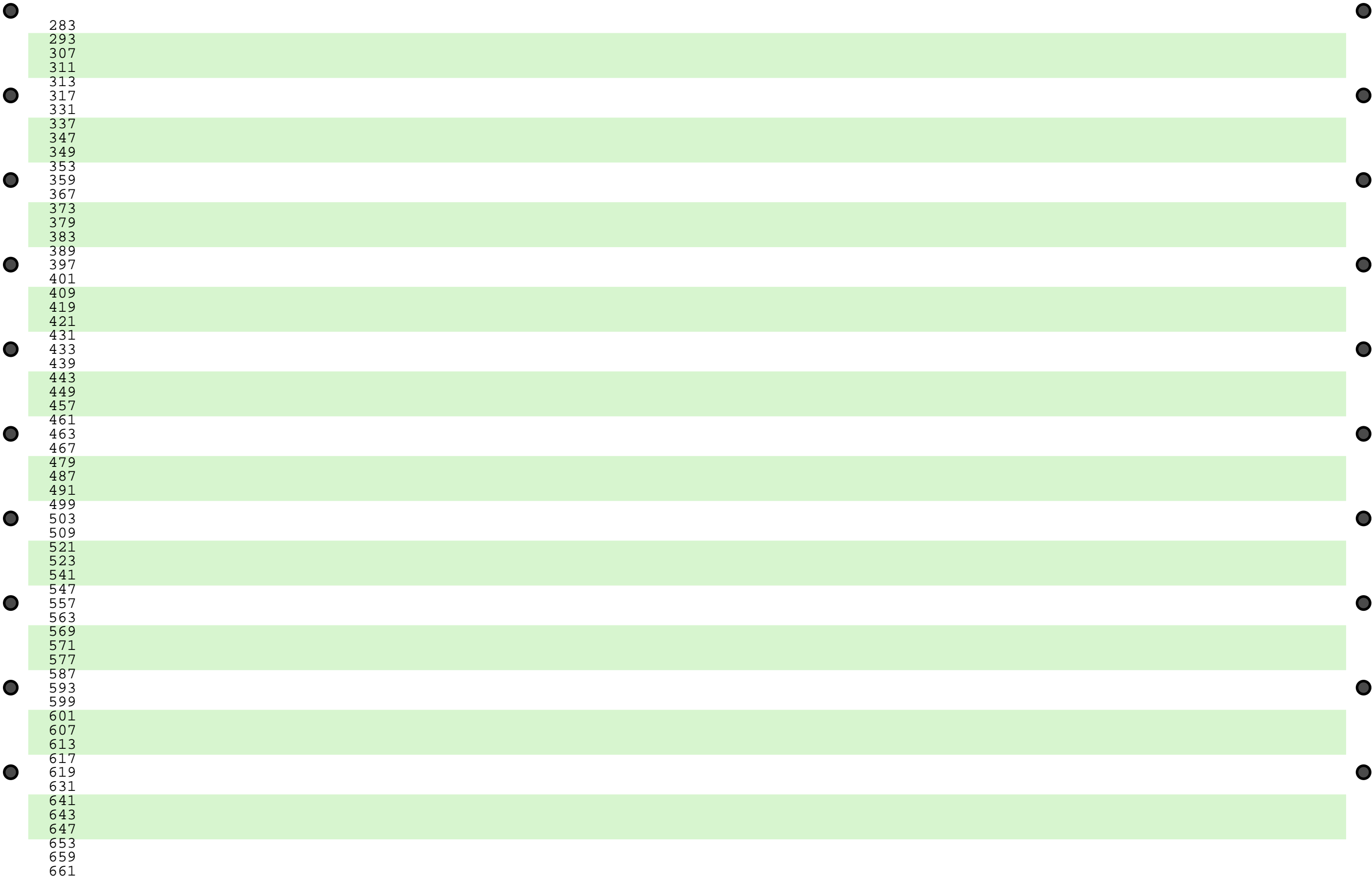
```

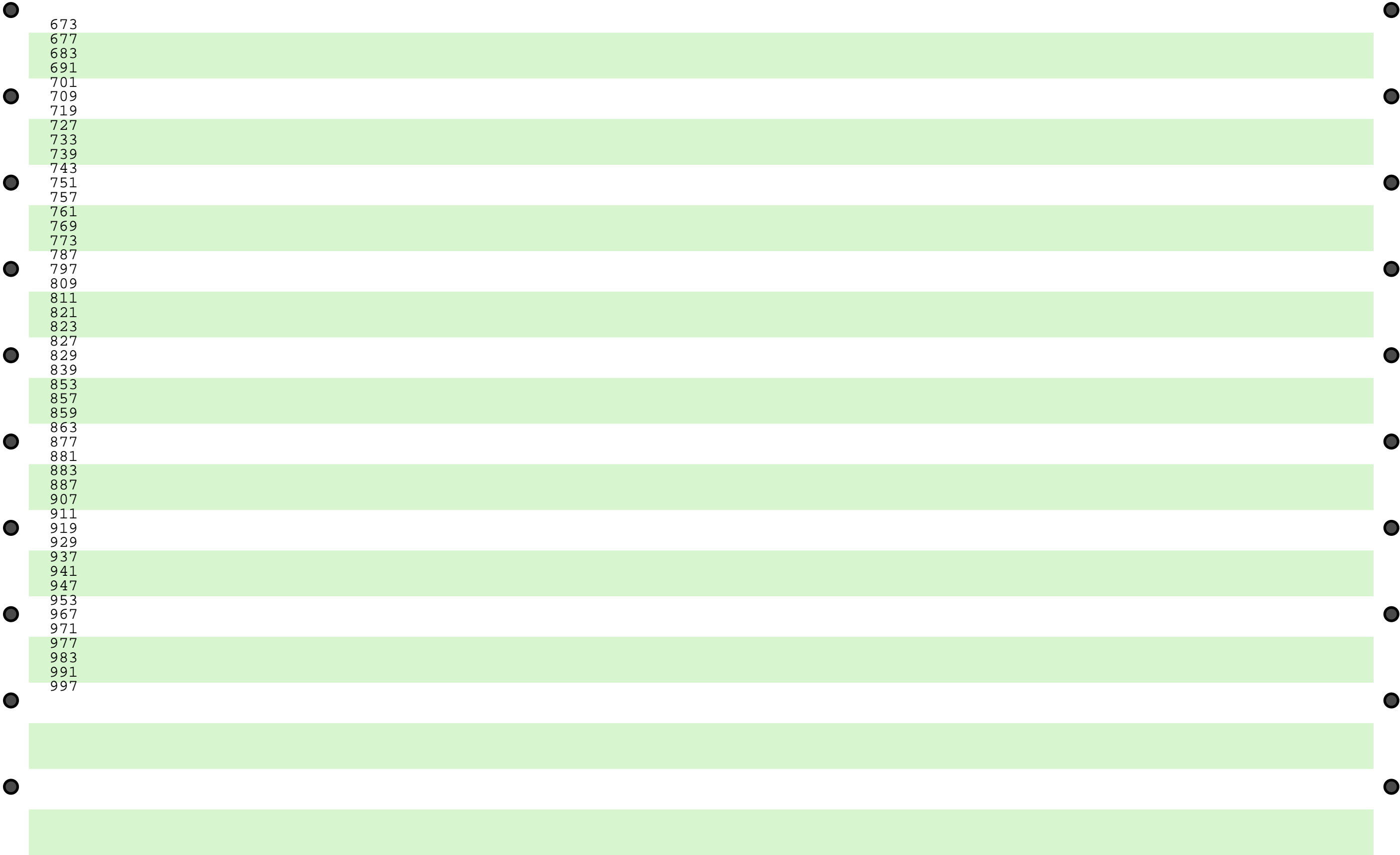
UNUSED CORE                77776 THRU  77777

```


LIST OF PRIME NUMBERS

2	
3	
5	
7	
11	
13	
17	
19	
23	
29	
31	
37	
41	
43	
47	
53	
59	
61	
67	
71	
73	
79	
83	
89	
97	
101	
103	
107	
109	
113	
127	
131	
137	
139	
149	
151	
157	
163	
167	
173	
179	
181	
191	
193	
197	
199	
211	
223	
227	
229	
233	
239	
241	
251	
257	
263	
269	
271	
277	
281	





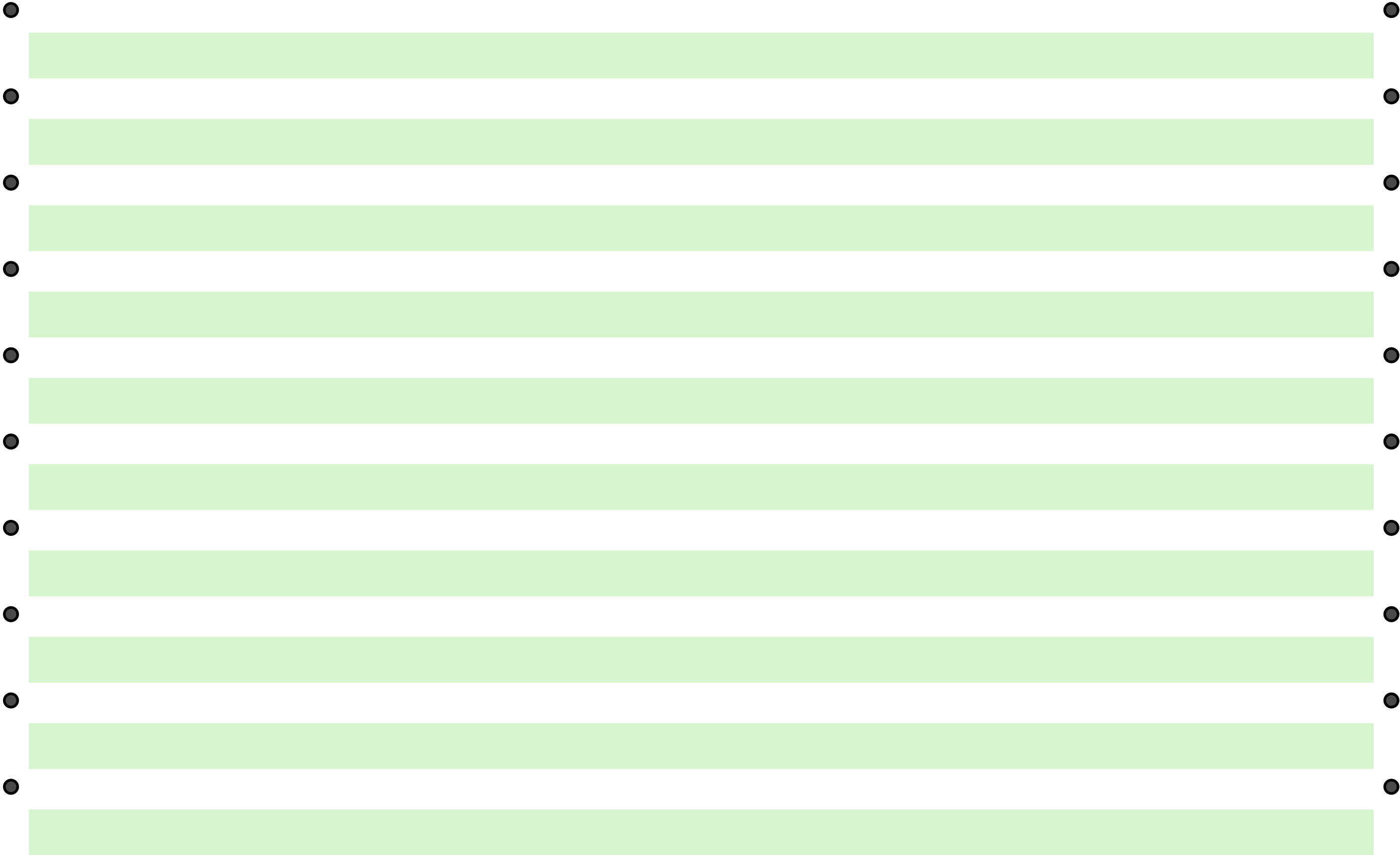
736 LINES OUTPUT.

\$IBSYS
\$STOP

PERIPHERAL UNIT POSITIONS AT END OF JOBS

SYSPP1	IS	A8	REC. 00001, FILE 00000
SYSOU1	IS	A4	REC. 00745, FILE 00000
SYSIN1	IS	A3	REC. 00002, FILE 00001

END OF JOBS



EOF END OF OUTPUT

