```
CLEAR STORAGE 1     ,008015,022026,030037,044,049,053053N000000N00001026                                    1
CLEAR STORAGE 2     L068116,105106,110117B101/I9I#071029C029056B026/B001/0991,001/001117I0?                 2
BOOTSTRAP           ,008015,022029,036040,047054,061068,072/061039          ,0010011040                     3

                    FORTRAN COMPILER -- GEAUX PHASE 2 -- PHASE 62                                   PAGE   1

SEQ PG LIN LABEL  OP    OPERANDS                                     SFX CT  LOCN  INSTRUCTION TYPE  CARD

101             JOB   FORTRAN COMPILER -- GEAUX PHASE 2 -- PHASE 62
102             CTL   6611
103         *
104         * THE ARITHMETIC ROUTINE IS LOIADED.  COMMUNICATION IS
105         * ESTABLISHED BETWEEN THAT ROUTINE AND THE GENERATED CODING.
106         * THE INDEX REGISTERS ARE INITIALIZED (BUT THEY'RE NOT).
107         *
108     X1      EQU   89                                                      0089
109         *
110         * ADDRESSES IN THE RESIDENT AREA
111         *
112     NSTMTS EQU   183  NUMBER OF STATEMENTS, INCLUDING GENERATED STOP       0183
113         *              BEGINNING OF CODE BY NOW
114     GLOBER EQU   184  GLOBAL ERROR FLAG -- WM MEANS ERROR                  0184
115     RELTAB EQU   188  RELOCATABLE FUNCTION TABLE ENTRY ADDRESSES           0188
116     SUBENT EQU   191  ENTRY TO SUBSCRIPT ROUTINE                           0191
117     IMOD   EQU   690  INTEGER MODULUS -- NUMBER OF DIGITS                  0690
118     MANTIS EQU   692  FLOATING POINT MANTISSA DIGITS & 2                   0692
119     CDOVLY EQU   769  1 IF RUNNING FROM CARDS, N IF FROM TAPE             0769
120         *
121         * ADDRESSES IN ARITF
122         *
123     SETFP  EQU   831   PUT MANTISSA WIDTH INTO B                           0831
124     QFUNCT EQU   1327  BRANCH TO FUNCTION SELECTOR                         1327
125     DOSUB  EQU   1206  BRANCH TO SUBSCRIPT ROUTINE                         1206
126     ARITI  EQU   1530  PUT INTEGER SIZE IN B                               1530
127     GMWM   EQU   1696  GROUP MARK                                          1696
128         *
129             ORG   201                                                      0201
130 201 BEGINN BCE   CDOVLY,CDOVLY,1  LOAD FROM CARDS              8  0201  B 769 769 1       4
131 209 RETRY  RTW   1,700                                         8  0209  L %U1 700 R       4
132 217        BER   TAPERR                                        5  0217  B 284 L          4
133 222        RWD   1                                             5  0222  U %U1 R          4
134         *
135         * RETURN HERE AFTER LOADING
136         *
137 227 LDRET  MCW   SUBENT,DOSUB&3   SUBSCRIPT ROUTINE ENTRY      7  0227  M 191 S09        4
138 234        CW    GMWM                                          4  0234  ) W96            4
139 238        MCW   RELTAB,QFUNCT&3  RELOCATABLE FUNCTION TABLE    7  0238  M 188 T30        5
140 245        MCW   IMOD,ARITI&6     INTEGER MODULUS              7  0245  M 690 V36        5
141 252        MCW   MANTIS,SETFP&6   FP MANTISSA WIDTH & 2        7  0252  M 692 837        5
142 259        CC    1                                             2  0259  F 1              5
143 261        BW    280,GLOBER                                    8  0261  V 280 184 1      5
144 269        MCW   NSTMTS,X1        ENTRY ADDRESS                7  0269  M 183 089        5
145 276        H     0&X1                                          4  0276  . 0|0            6
146 280 HALT   H     HALT                                          4  0280  . 280            6
147 284 TAPERR BSP   1                                             5  0284  U %U1 B          6
```

FORTRAN COMPILER -- GEAUX PHASE 2 -- PHASE 62   PAGE   2

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
148	289			H	3333,3333		7	0289	. C33 C33		6
149	296			B	RETRY		4	0296	B 209		6
150	300			DCW	0		1	0300			6
151	301			DCW	@}@		1	0301		GMARK	6
152				EX	BEGINN				B 201		7
153				END					/ 000 080		

FORTRAN COMPILER -- GEAUX PHASE 2 -- PHASE 62   PAGE   3

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
ARITI	1530	BEGINN	201	CDOVLY	769	DOSUB	1206	GLOBER	184	GMWM	1696	HALT	280
IMOD	690	LDRET	227	MANTIS	692	NSTMTS	183	QFUNCT	1327	RELTAB	188	RETRY	209
SETFP	831	SUBENT	191	TAPERR	284	X1	89						