

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
101			JOB		FORTRAN COMPILER -- LIST PHASE ONE -- PHASE 25								
102			CTL		6611								
103			*										
104			*		DUPLICATE LISTS ARE CHECKED AND ELIMINATED TO OPTIMIZE								
105			*		STORAGE AT OBJECT TIME.								
106			*										
107			*		ON ENTRY, X1 IS THE TOP OF STATEMENTS IN LOW CORE, X3 IS								
108			*		ONE BELOW THE FORMAT STRINGS OR NUMBER TABLE, AND 81-83								
109			*		IS ONE BELOW THE FORMAT STRINGS OR NUMBER TABLE.								
110			*										
111			X1	EQU	89						0089		
112			X2	EQU	94						0094		
113			X3	EQU	99						0099		
114			*										
115			*		STUFF IN THE RESIDENT AREA								
116			*										
117			NXBTM	EQU	83						0083		
118			BOTFMT	EQU	154						0154		
119			NEGARY	EQU	163						0163		
120			GLOBER	EQU	184						0184		
121			FMTSW	EQU	696						0696		
122			*		BLANK FOR ORDINARY, A FOR A CONVERSION								
123			*										
124					EXT00 SNAPSH, LOADNX, CDOVLY								MACRO
125			SNAPSH	EQU	333						0333		GEN
126			PHASLD	EQU	381						0381		GEN
127			SNAPEX	EQU	564						0564		GEN
128			LOADNX	EQU	700						0700		GEN
129			CDOVLY	EQU	700						0700		GEN
130			TPREAD	EQU	704						0704		GEN
131			TPERR	EQU	728						0728		GEN
132			*										
133					EXT03 START OF PHASE 3								MACRO
134			BEGIN3	EQU	838						0838		GEN
135			TOP3	EQU	2600						2600		GEN
136			*										
137			110	DCW	@LISTR ONE@			9	0110				1
138			094	DCW	000			3	0094				2
139			096	DC	00			2	0096				2
140			099	DCW	000			3	0099				2
141			100	DC	0			1	0100				2
142			*										
143			PHAS25	LDPH	LISTR ONE,LOADAD,BEGN25,,,25								MACRO
			*	PHAZ	LDPH [PHASID],LOADAD,ENTAD[,SKIPFG,SKIP],[NUMBER][,HALT]								GEN
			*	XFR	PHASZ PROHIBITED IN A MACRO								GEN
			*										GEN
			*	LOAD	A BLOCK								GEN
			*										GEN
144			)6J003	EQU	110						0110		GEN
145			)6K003	EQU	700						0700		GEN

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
146			)6L003	EQU	704 TAPE READ INSTRUCTION			0704		GEN			
147			)6M003	EQU	728 TAPE ERROR HANDLER			0728		GEN			
			*							GEN			
148				ORG	201				0201				
149			PHAS25	EQU	*&1			0201		GEN			
150				LCA	)9J003,)6J003	7	0201	L 252 110		GEN	3	252	110
151				BCE	)6K003,)6K003,1	8	0208	B 700 700 1	Q: LOADING FROM CARDS?	GEN	3	700	700
152				BCE	)6K003,)6L003&4,0	8	0216	B 700 708 0	Q: LOADING FROM AUTOCODER TAPE?	GEN	3	700	708
153				RTW	1,LOADAD	8	0224	L %U1 838 R	READ THE BLOCK	GEN	3	%U1	838
154				BER	)6M003	5	0232	B 728 L	Q: TAPE ERROR?	GEN	3	728	
155				CS	BEGN25,)9R003	7	0237	/ 845 256	ENTER THE BLOCK	GEN	4	845	256
156			)9J003	DCW	@LISTR ONE@	9	0252		PHASE ID	GEN	4		
157				DC	#1	1	0253			GEN	4		
158				DC	@25@	2	0255		PHASE NUMBER	GEN	4		
159			)9R003	DCW	@}@	1	0256			GEN	4		
160				XFR	PHAS25				B 201		4	201	
161			*										
162				ORG	BEGIN3				0838				
163			LOADAD	EQU	*&1			0838	LOAD ADDRESS				
164	*	841	SEQCOD	DCW	#4	4	0841				5		
165	*	844	SX1	DCW	#3	3	0844				5		
166	*	845	BEGN25	MCW	X1,SX1	7	0845	M 089 844			5	089	844
167		852		MCW	NXBTM,X2	7	0852	M 083 094			5	083	094
168		859		LCA	DOT,0&X2	7	0859	L /88 0!0			5	1188	000+2
169		866		CW	0&X2	4	0866	) 0!0			5	000+2	
170		870		SBR	NXBTM	4	0870	H 083			5	083	
171		874		SBR	BOTFMT,0&X2	7	0874	H 154 0!0			6	154	000+2
172		881		MA	NEGARY,BOTFMT	7	0881	# 163 154			6	163	154
173		888	LOOP	BCE	DONE,0&X1, BELOW BOTTOM STATEMENT	8	0888	B /68 0!0			6	1168	000+1
174		896		MCW	0&X1,SEQCOD	7	0896	M 0!0 841			6	000+1	841
175		903		MCW	X1,SX1B&6	7	0903	M 089 /63			6	089	1163
176		910		MCW	SEQCOD-3,*&8	7	0910	M 838 924			7	838	924
177		917		BCE	IOSTMT,STMTS,0 I/O STATEMENT?	8	0917	B 935 /95 0			7	935	1195
178		925		CHAIN	6					MACRO			
179				BCE		1	0925	B		GEN	7		
180				BCE		1	0926	B		GEN	7		
181				BCE		1	0927	B		GEN	7		
182				BCE		1	0928	B		GEN	7		
183				BCE		1	0929	B		GEN	7		
184				BCE		1	0930	B		GEN	8		
185		931		B	DONE I/O STATEMENTS ARE SORTED TOGETHER	4	0931	B /68			8	1168	
186			*										
187			*		FOUND AN I/O STATEMENT								
188			*										
189		935	IOSTMT	C	0&X1 GET DOWN	4	0935	C 0!0			8	000+1	
190		939		SAR	X1 TO BODY	4	0939	Q 089			8	089	
191		943		B	GETCOM GET X1 DOWN TO A COMMA	4	0943	B |88			8	1088	
192		947		CW	114	4	0947	) 114			8	114	
193		951		BCE	*&5,FMTSW,L LIMITED FORMAT ROUTINE?	8	0951	B 963 696 L			8	963	696
194		959		CW	115	4	0959	) 115			9	115	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
195		963		SW	0&X1 UNDER THE COMMA	4		0963	, 0|0		9	000+1	
196		967		SAR	X1	4		0967	Q 089		9	089	
197		971		MCW	SX1,X3 TOP OF STATEMENTS	7		0971	M 844 099		9	844	099
198		978	TWOWM	C	0&X3 SKIP TWO	4		0978	C 0?0		9	000+3	
199		982		C	WORD MARKS	1		0982	C		9		
200		983		SAR	X3	4		0983	Q 099		9	099	
201		987		BCE	TWOWM,1&X3, }	8		0987	B 978 0?1 } GMARK		10	978	001+3
202		995		C	X1,X3	7		0995	C 089 099		10	089	099
203	1	002		BU	CHKLST	5		1002	B |19 /		10	1019	
204	1	007	STMBOT	C	0&X1	4		1007	C 0|0		10	000+1	
205	1	011		SAR	X1	4		1011	Q 089		10	089	
206	1	015		B	LOOP	4		1015	B 888		10	888	
207	1	019	CHKLST	C	0&X1,0&X3	7		1019	C 0|0 0?0		10	000+1	000+3
208	1	026		BU	GETGM LISTS ARE DIFFERENT	5		1026	B |68 /		11	1068	
209	1	031		C	0&X3,0&X1	7		1031	C 0?0 0|0		11	000+3	000+1
210	1	038		BU	GETGM LISTS ARE DIFFERENT	5		1038	B |68 /		11	1068	
211	1	043		BW	SYNTAX,0&X1	8		1043	V /16 0|0 1		11	1116	000+1
212	1	051		BWZ		1		1051	V		11		
213	1	052		BWZ		1		1052	V		11		
214	1	053		LCA	X3,0&X1 LINK IDENTICAL LISTS TOGETHER	7		1053	L 099 0|0		11	099	000+1
215	1	060		SBR	X1	4		1060	H 089		12	089	
216	1	064		B	STMBOT	4		1064	B |07		12	1007	
217				*									
218				*	LISTS ARE UNEQUAL. GET X3 DOWN TO A GMWM								
219				*									
220	1	068	GETGM	C	0&X3 SKIP ONE	4		1068	C 0?0		12	000+3	
221	1	072		SAR	X3 WORD MARK	4		1072	Q 099		12	099	
222	1	076		BCE	TWOWM,1&X3, }	8		1076	B 978 0?1 } GMARK		12	978	001+3
223	1	084		B	GETGM	4		1084	B |68		12	1068	
224				*									
225				*	GET COMMA								
226				*									
227	1	088	GETCOM	SBR	GETCMX&3	4		1088	H /03		12	1103	
228	1	092	SCHCOM	BW	STMBOT,0&X1	8		1092	V |07 0|0 1		13	1007	000+1
229	1	100	GETCMX	BCE	0-0,0&X1,,	8		1100	B 000 0|0 ,		13	000	000+1
230	1	108		SBR	X1	4		1108	H 089		13	089	
231	1	112		B	SCHCOM	4		1112	B |92		13	1092	
232				*									
233				*	LIST SYNTAX ERROR								
234				*									
235	1	116	SYNTAX	CS	332	4		1116	/ 332		13	332	
236	1	120		CS		1		1120	/		13		
237	1	121		SW	GLOBER	4		1121	, 184		13	184	
238	1	125		MN	SEQCOD,237	7		1125	D 841 237		14	841	237
239	1	132		MN		1		1132	D		14		
240	1	133		MN		1		1133	D		14		
241	1	134		MCW	ERR18	4		1134	M S29		14	1229	
242	1	138		W		1		1138	2		14		
243	1	139		BCV	*&5	5		1139	B /48 @		14	1148	
244	1	144		B	*&3	4		1144	B /50		14	1150	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
245	1	148		CC	1	2		1148	F 1		15		
246	1	150		MCW	SLASH,SEQCOD-3	7		1150	M S30 838		15	1230	838
247	1	157	SX1B	MCW	SEQCOD,0	7		1157	M 841 000		15	841	000
248	1	164		B	STMBOT	4		1164	B |07		15	1007	
249			*										
250	1	168	DONE	SW	0&X1	4		1168	, 0|0		15	000+1	
251	1	172		MCW	SX1,X1	7		1172	M 844 089		15	844	089
252	1	179		BSS	SNAPSH,C	5		1179	B 333 C		15	333	
253	1	209		B	LOADNX	4		1184	B 700		16	700	
254			*										
255			* DATA										
256			*										
257	1	213	DOT	DCW	@.@	1		1188			16		
258	1	220	STMTS	DCW	@5613LUP@ READ/WRITE (INPUT) (TAPE), PRINT, PUNCH	7		1195			16		
259	1	254	ERR18	DCW	@ERROR 18 - LIST SYNTAX, STATEMENT @	34		1229			17		
260	1	255	SLASH	DCW	@/@	1		1230			17		
261	1	265	GMWM	DCW	@}@	1		1231		GMARK	17		
262			XFR		BEGN25				B 845		17	845	
263			CLRME	CLRA	BEGN25,GMWM					MACRO			
			*	CLRA	CLRBOT,CLRTOP[,ORG,GMWMAD]					GEN			
			*							GEN			
			* CLEAR CORE		AFTER A PHASE USING THE CLRTOP ADDRESS					GEN			
			*							GEN			
264			ORG		201				0201				
			*							GEN			
			* CLEAR DOWN		TO CLRBOT & X00 THE EASY WAY					GEN			
			*							GEN			
265			CLRME	EQU	*&1			0201		GEN			
266			)0J004	CS	GMWM CLEAR FROM CLRTOP	4		0201	/ S31	GEN	18	1231	
267			SBR		)0J004&3	4		0205	H 204	GEN	18	204	
268			SBR		)0L004&6	4		0209	H 250	GEN	18	250	
269			C		)0J004&3,)0M004 DOWN TO CLRBOT & X00?	7		0213	C 204 261	GEN	18	204	261
270			BU		)0J004	5		0220	B 201 /	GEN	18	201	
			*							GEN			
			* NOW CLEAR DOWN		TO CLRBOT THE HARD WAY					GEN			
			*							GEN			
271			)0K004	C	)0L004&6,)0N004	7		0225	C 250 264	GEN	18	250	264
272			BU		)0L004	5		0232	B 244 /	GEN	18	244	
273			CS		LOADNX,)0Q004 LOAD THE NEXT BLOCK AT 1	7		0237	/ 700 271	GEN	19	700	271
274			)0L004	LCA	)0P004,0-0 CLEAR WITH BLANK AND WORD MARK	7		0244	L 265 000	GEN	19	265	000
275			SBR		)0L004&6	4		0251	H 250	GEN	19	250	
276			B		)0K004	4		0255	B 225	GEN	19	225	
277			)0M004	DSA	)0R004 CLRBOT & X00 - 1	3		0261	899	GEN	19	899	
278			)0N004	DSA	BEGN25 CLRBOT	3		0264	845	GEN	19	845	
279			)0P004	DCW	#1	1		0265		GEN	19		
280			DC	@CLRA @	IDENTIFY IN A DECK, TAPE, OR DUMP	5		0270		GEN	19		
281			)0Q004	DCW	@}@	1		0271		GEN	20		
282			ORG		BEGN25&X00				0900				
283			)0R004	EQU	* CLRBOT & X00 - 1			0899		GEN			
284			XFR	CLRME					B 201		20	201	

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)0J004	0201: 0	)0K004	0225: 0	)0L004	0244: 0	)0M004	0261: 0	)0N004	0264: 0	)0P004	0265: 0
)0Q004	0271: 0	)0R004	0899: 0	)6J003	0110: 0	)6K003	0700: 0	)6L003	0704: 0	)6M003	0728: 0
)9J003	0252: 0	)9R003	0256: 0	BEGIN3	0838: 0	BEGN25	0845: 0	BOTFMT	0154: 0	CDOVLY	0700: 0
CHKLST	1019: 0	CLRME	0201: 0	DONE	1168: 0	DOT	1188: 0	ERR18	1229: 0	FMTSW	0696: 0
GETCMX	1100: 0	GETCOM	1088: 0	GETGM	1068: 0	GLOBER	0184: 0	GMWM	1231: 0	IOSTMT	0935: 0
LOADAD	0838: 0	LOADNX	0700: 0	LOOP	0888: 0	NEGARY	0163: 0	NXBTM	0083: 0	PHAS25	0201: 0
PHASLD	0381: 0	SCHCOM	1092: 0	SEQCOD	0841: 0	SLASH	1230: 0	SNAPEX	0564: 0	SNAPSH	0333: 0
STMBOT	1007: 0	STMTS	1195: 0	SX1	0844: 0	SX1B	1157: 0	SYNTAX	1116: 0	TOP3	2600: 0
TPERR	0728: 0	TPREAD	0704: 0	TWOWM	0978: 0	X1	0089: 0	X2	0094: 0	X3	0099: 0

UNREFERENCED SYMBOLS

CDOVLY PHASLD SNAPEX TOP3 TPERR TPREAD