

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
101			JOB		FORTRAN COMPILER -- VARIABLES PHASE 5 -- 17								
102			CTL		6611								
103			*										
104			*		A CHECK IS MADE FOR UNREFERENCED VARIABLES								
105			*										
106			X1	EQU	89							0089	
107			X2	EQU	94							0094	
108			X3	EQU	99							0099	
109			*										
110			*		ON ENTRY AND EXIT, X1 IS THE TOP OF CODE, TOPCOR IS THE TOP OF								
111			*		THE SYMBOL TABLE, AND 83 IS THE BOTTOM OF THE SYMBOL TABLE.								
112			*										
113			*		EACH ELEMENT OF THE SCALAR SYMBOLS TABLE CONSISTS OF THE								
114			*		THREE-CHARACTER RUN-TIME ADDRESS, WITH A WORD MARK UNDER								
115			*		THE FIRST CHARACTER, A GROUP MARK, WITH A WORD MARK UNDER								
116			*		IT IF THE VARIABLE IS NOT REFERENCED, AND THE VARIABLE, WITH								
117			*		CHARACTERS REVERSED.								
118			*										
119			*		STUFF IN THE RESIDENT AREA								
120			*										
121			TOPCOR	EQU	688 TOP CORE ADDRESS FROM PARAM CARD							0688	
122			*										
123					EXT00 SNAPSH, LOADNX, CDOVLY								MACRO
124			SNAPSH	EQU	333							0333	GEN
125			PHASLD	EQU	381							0381	GEN
126			SNAPEX	EQU	564							0564	GEN
127			LOADNX	EQU	700 CARD OVERLAY UNLESS NOP							0700	GEN
128			CDOVLY	EQU	700 1 IF LOADING FROM CARDS, N IF FROM TAPE							0700	GEN
129			TPREAD	EQU	704 LOAD OVERLAY FROM TAPE							0704	GEN
130			TPERR	EQU	728							0728	GEN
131			*										
132					EXT03 START, TOP OF PHASE 3								MACRO
133			BEGIN3	EQU	838							0838	GEN
134			TOP3	EQU	2600							2600	GEN
135					EXT15 STUFF IN VARIABLES PHASE 3 -- PHASE 15,								MACRO
136			CODSIZ	EQU	853 CODE SIZE, 84-86, IN DECIMAL							0853	GEN
137			TOPCOD	EQU	856 TOP OF CODE & 1							0856	GEN
138			BEGN15	EQU	857							0857	GEN
139					EXT18 STUFF IN CONSTANT PHASE ONE -- PHASE 18								MACRO
140			FREBOT	EQU	2599							2599	GEN
141			*										
142			110	DCW	@VARBL QUIN@		10	0110					1
143			*										
144			PHAS17	LDPH	VARBL QUIN,LOADAD,BEGN17,,,17								MACRO
			*	PHAZ	LDPH [PHASID],LOADAD,ENTAD[,SKIPFG,SKIP],[NUMBER][,HALT]								GEN
			*		XFR PHASZ PROHIBITED IN A MACRO								GEN
			*										GEN
			*	LOAD	A BLOCK								GEN
			*										GEN
145			)6J005	EQU	110 PHASE ID							0110	GEN

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
146			)6K005	EQU	700 LOAD NEXT PHASE			0700		GEN			
147			)6L005	EQU	704 TAPE READ INSTRUCTION			0704		GEN			
148			)6M005	EQU	728 TAPE ERROR HANDLER			0728		GEN			
			*							GEN			
149				ORG	201				0201				
150			PHAS17	EQU	*&1			0201		GEN			
151				LCA	)9J005,)6J005	7		0201	L 253 110	GEN	2	253	110
152				BCE	)6K005,)6K005,1 Q: LOADING FROM CARDS?	8		0208	B 700 700 1	GEN	2	700	700
153				BCE	)6K005,)6L005&4,0 Q: LOADING FROM AUTOCODER TAPE?	8		0216	B 700 708 0	GEN	2	700	708
154				RTW	1,LOADAD READ THE BLOCK	8		0224	L %U1 857 R	GEN	2	%U1	857
155				BER	)6M005 Q: TAPE ERROR?	5		0232	B 728 L	GEN	2	728	
156				CS	BEGN17,)9R005 ENTER THE BLOCK	7		0237	/ 857 257	GEN	3	857	257
157			)9J005	DCW	@VARBL QUIN@ PHASE ID	10		0253		GEN	3		
158				DC	#1	1		0254		GEN	3		
159				DC	@17@ PHASE NUMBER	2		0256		GEN	3		
160			)9R005	DCW	@}@	1		0257		GEN	3		
161				XFR	PHAS17				B 201		3	201	
162			*										
163				ORG	BEGN15 ABOVE THE TABLES IN PHASE 15				0857				
164			LOADAD	EQU	*&1 LOAD ADDRESS			0857					
165	857		BEGN17	CC	J	2		0857	F J		4		
166	859			MCW	X1,SX1 MEMORIZE TOP OF CODE	7		0859	M 089 |47		4	089	1047
167	866			MCW	TOPCOR,X2 TOP OF SYMBOL TABLE	7		0866	M 688 094		4	688	094
168	873		LOOP	BCE	TABENT,0&X2,} GM MEANS BOTTOM OF SYM TAB NAME	8		0873	B 913 0!0 } GMARK		4	913	000+2
169	881			SBR	X2	4		0881	H 094		4	094	
170	885			C	X2,83 BOTTOM OF SYMBOL TABLE?	7		0885	C 094 083		4	094	083
171	892			BU	LOOP NO	5		0892	B 873 /		5	873	
172			*										
173			*	DONE									
174			*										
175	897			MCW	SX1,X1 RECALL TOP OF CODE	7		0897	M |47 089		5	1047	089
176	904			BSS	SNAPSH,D	5		0904	B 333 D		5	333	
177	941			B	LOADNX	4		0909	B 700		5	700	
178			*										
179			*	X2 IS AT GM BELOW A NAME IN THE SYMBOL TABLE									
180			*										
181	945		TABENT	BW	UNREF,0&X2 UNREFERENCED IF GM HAS WM	8		0913	V 933 0!0 1		5	933	000+2
182	953			MN	0&X2	4		0921	D 0!0		5	000+2	
183	957			SBR	X2	4		0925	H 094		5	094	
184	961			B	LOOP	4		0929	B 873		6	873	
185			*										
186			*	UNREFERENCED SYMBOL									
187			*										
188			*	MOVE X3 (INITIALLY X2) UP TO WM ABOVE SYMBOL									
189			*										
190	965		UNREF	CS	299	4		0933	/ 299		6	299	
191	969			MCW	ERR11,233	7		0937	M |80 233		6	1080	233
192	976			MCW	X2,X3	7		0944	M 094 099		6	094	099
193	983		LOOPU	NOP	1&X3 WHY NOT	4		0951	N 0?1		6	001+3	
194	987			SAR	X3 JUST SBR X3,1&X3?	4		0955	Q 099		6	099	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
195		991		BW	*&5,2&X3			8 0959	V 971 0?2 1		6	971	002+3
196		999		B	LOOPU			4 0967	B 951		7	951	
197	1	003		MN	234			4 0971	D 234		7	234	
198	1	007		MN				1 0975	D		7		
199	1	008		SAR	X1			4 0976	Q 089		7	089	
200	1	012		SBR	X3,1&X3			7 0980	H 099 0?1		7	099	001+3
201	1	019	LOOPW	MCW	0&X3,CH			7 0987	M 0?0 |81		7	000+3	1081
202	1	026		SAR	X3			4 0994	Q 099		7	099	
203	1	030		MCW	CH,2&X1			7 0998	M |81 0|2		8	1081	002+1
204	1	037		SBR	X1			4 1005	H 089		8	089	
205	1	041		BW	*&5,1&X3			8 1009	V |21 0?1 1		8	1021	001+3
206	1	049		B	LOOPW			4 1017	B 987		8	987	
207	1	053		W				1 1021	2		8		
208	1	054		BCV	*&5			5 1022	B |31 @		8	1031	
209	1	059		B	*&3			4 1027	B |33		8	1033	
210	1	063		CC	1			2 1031	F 1		9		
211	1	065		MN	0&X2			4 1033	D 0!0		9	000+2	
212	1	069		SAR	X2			4 1037	Q 094		9	094	
213	1	073		B	LOOP			4 1041	B 873		9	873	
214				*									
215				*	DATA								
216				*									
217	1	079	SX1	DCW	#3			3 1047			9		
218	1	121	ERR11	DCW	@ERROR 11 - UNREFERENCED VARIABLE @			33 1080			10		
219	1	122	CH	DCW	#1			1 1081			10		
220	1	123	GMWM	DCW	@}@			1 1082			10		
221				XFR	BEGN17				B 857		10	857	
222			CLRME	CLRA	BEGIN3,FREBOT-1								
			*	CLRA	CLRBOT,CLRTOP[,ORG,GMWMAD]								
			*										
			*		CLEAR CORE AFTER A PHASE USING THE CLRTOP ADDRESS								
			*										
223				ORG	201				0201				
			*										
			*		CLEAR DOWN TO CLRBOT & X00 THE EASY WAY								
			*										
224			CLRME	EQU	*&1				0201				
225			)0J006	CS	FREBOT-1			4 0201	/ N98		11	2598	
226				SBR	)0J006&3			4 0205	H 204		11	204	
227				SBR	)0L006&6			4 0209	H 250		11	250	
228				C	)0J006&3,)0M006			7 0213	C 204 261		11	204	261
229				BU	)0J006			5 0220	B 201 /		11	201	
			*										
			*		NOW CLEAR DOWN TO CLRBOT THE HARD WAY								
			*										
230			)0K006	C	)0L006&6,)0N006			7 0225	C 250 264		11	250	264
231				BU	)0L006			5 0232	B 244 /		11	244	
232				CS	LOADNX,)0Q006			7 0237	/ 700 271		12	700	271
233			)0L006	LCA	)0P006,0-0			7 0244	L 265 000		12	265	000
234				SBR	)0L006&6			4 0251	H 250		12	250	

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)0J006	0201: 0	)0K006	0225: 0	)0L006	0244: 0	)0M006	0261: 0	)0N006	0264: 0	)0P006	0265: 0
)0Q006	0271: 0	)0R006	0899: 0	)6J005	0110: 0	)6K005	0700: 0	)6L005	0704: 0	)6M005	0728: 0
)9J005	0253: 0	)9R005	0257: 0	BEGIN3	0838: 0	BEGN15	0857: 0	BEGN17	0857: 0	CDOVLY	0700: 0
CH	1081: 0	CLRME	0201: 0	CODSIZ	0853: 0	ERR11	1080: 0	FREBOT	2599: 0	GMWM	1082: 0
LOADAD	0857: 0	LOADNX	0700: 0	LOOP	0873: 0	LOOPU	0951: 0	LOOPW	0987: 0	PHAS17	0201: 0
PHASLD	0381: 0	SNAPEX	0564: 0	SNAPSH	0333: 0	SX1	1047: 0	TABENT	0913: 0	TOP3	2600: 0
TOPCOD	0856: 0	TOPCOR	0688: 0	TPERR	0728: 0	TPREAD	0704: 0	UNREF	0933: 0	X1	0089: 0
X2	0094: 0	X3	0099: 0								

UNREFERENCED SYMBOLS

CDOVLY CODSIZ GMWM PHASLD SNAPEX TOP3 TOPCOD TPERR TPREAD