147

BCE

1 0940 B

GEN

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				FORTRAN COMPILER STATEMENT NUMBERS PHASE 22		PAGE 2							
SEQ	PG LIN	LABEL	OP	OPERANDS	SFX CT	LOCN	INSTRUCTION	TYPE	CARD				
148			BCE		1	0941	В	GEN	6				
149			BCE		1	0942		GEN	7				
150			BCE		1	0943		GEN	7				
151			BCE		1	0944		GEN	7				
152			BCE		1	0945		GEN	7				
153 154			BCE BCE		1 1	0946 0947		GEN GEN	7 7				
154			BCE		1	0947		GEN	7				
156			BCE		1	0949		GEN	8				
157	950		BCE	ENDSTM, PREFIX-3,/	_		B 981 Z59 /		8				
158	958	MOVEUP	LCA	ENDSTM,PREFIX-3,/ 0&X1,0&X2 MOVE (REST OF) STATEMENT UP	7	0958	L 0 0 0!0		8				
159	965		SAR	X1	4	0965	Q 089		8				
160	969		C	0&X2	4		C 0!0		8				
161	973		SAR	X2	4		Q 094		8				
162	977		В	LOOP	4	0977	в 864		8				
163 164		* END		ENT									
165		* CINIT	SIAIL	IEN I									
166	981	ENDSTM	C	0&X1	4	0981	C 0 0		9				
167	985	21120111	SAR	X1	4		0 089		9				
168	989		MCM	4&X2	4	0989	P 0!4		9				
169	993		MN		1	0993	D		9				
170	994		MN		1				9				
171	995		SAR	X2	4		Q 094		9				
172	999	*	В	LOOP	4	0999	в 864		9				
173 174			ת מידית	CEMENT LABEL DEFINITION									
175		*	A SIAI	EMENI HABEL DEFINITION									
176	1 003	LBLDEF	LCA	PREFIX-4,LABEL	7	1003	L Z58 Z79		10				
177	1 010		SBR	Х3	4	1010	н 099		10				
178	1 014		SW	2&X3	4	1014	, 0?2		10				
	1 018		В	CONV50			B V63		10				
	1 022		В	NOLABL	4	1022	В 914		10				
181 182		*	TIMENTO	IS ONE THAT CONTAINS LABEL REFERENCES									
183		* SIAI	EMEN I	IS ONE THAT CONTAINS LABEL REFERENCES									
	1 026	LBLREF	BCE	IF, PREFIX-3, E IF STATEMENT	8	1026	B T62 Z59 E		10				
	1 034		BCE	DO, PREFIX-3, D DO STATEMENT			B S76 Z59 D		10				
186	1 042		BCE	TAPE, PREFIX-3,5 READ INPUT TAPE STATEMENT	8	1042	B /30 Z59 5		11				
187	1 050		BCE	TAPE, PREFIX-3,6 WRITE OUTPUT TAPE STATEMENT	8	1050	B /30 Z59 6		11				
	1 058		BCE	CGO, PREFIX-3,T COMPUTED GO TO STATEMENT	8	1058	B 90 Z59 T		11				
	1 066		BCE	IFSS, PREFIX-3, W IF (SENSE SWITCH)			B /93 Z59 W		11				
	1 074 1 082		BCE B	IFSS, PREFIX-3, K IF (SENSE LIGHT)			B /93 Z59 K B U73		12 12				
	1 082		В	SAVLAB PUNCH, PRINT, READ, GOTO MOVEUP			В 073 В 958		12				
193	1 000	*	ь	MOVEOF		1000	Б 930		12				
194			UTED (GO TO STATEMENT									
195		*	`										
196	1 090	CGO	В	SAVLAB	4	1090	B U73		12				
197	1 094		BCE	CGOFIN,0&X1,)	8	1094	B /18 0 0)		12				

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SEQ PG LIN LABEL	OP	OPERANDS	SFX CT	LOCN	INSTRUCTION TYPE	CARD
198 1 102 199 1 110 200 1 114 201 1 118 CGOFI 202 1 122 203 1 126 204 *	SAR B	SYNTAX,0&X1,} X1 CGO 0&X1 X1 MOVEUP TAPE OR WRITE OUTPUT TAPE STATEMENT	8 4 4 4 4	1102 1110 1114 1118 1122 1126	B X55 0 0 } GMARK H 089 B 90 D 0 0 Q 089 B 958	12 13 13 13 13 13
209 1 145 210 1 153 211 1 157 212 1 161 GOTCO 213 1 165 214 1 166 215 1 170	MCW M BCE BCE SBR B M SW MN SAR B	X1,STMFIN&3 GOTCOM,0&X1,, GET SYNTAX,0&X1,} DOWN X1 TO GETCOM COMMA 1&X1 X1 SAVLAB	7 8 8 4 4 4 1 4	1130 1137 1145 1153 1157 1161 1165 1166	M 089 /77 B /61 0 0 , B X55 0 0 } GMARK H 089 B /37 , 0 1 D Q 089 B U73	13 13 14 14 14 14 14 14
216 *	N LCA SBR CW B	0,0&X2 X2 1&X2 MOVEUP	7 4 4 4	1174 1181 1185 1189	L 000 0:0 H 094) 0:1 B 958	15 15 15 15
223	MCW BCE BCE SBR B SW MN SAR B MN SAR BCE B	SWITCH) OR IF (SENSE LIGHT) STATEMENT X1,STMFIN&3 GOTRP,0&X1,) GET SYNTAX,0&X1,} DOWN X1 TO RIGHT GETRP PARENTHESIS 1&X1 X1 SAVLAB 0&X1 X1 SYNTAX,0&X1,} SYNTAX,0&X1,} SAVLAB COMMA,0&X2 X2 1&X2 STMFIN	7 8 8 4 4 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1193 1200 1208 1216 1220 1224 1228 1229 1233 1237 1241 1245 1253 1257 1264 1268 1272	B S24 0 0 0) B X55 0 0 0 } GMARK H 089 B S00 , 0 1 1 D Q 089 B U73 D 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15 16 16 16 16 16 16 17 17 17 17 17 17 18
243 * * * DO 245 1 283 GETEQ 246 1 291 247 1 295	MCW	X1,X3 GOTEQ,0&X3,# FIND THE X3 EQUAL SIGN GETEQ	7 8 4 4	1276 1283 1291 1295	M 089 099 B S99 0?0 # H 099 B S83	18 18 18 18

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				FORTRAN COMPILER STATEMENT NUMBERS PHASE	- 22				PAGE	4
SEQ	PG LIN	LABEL	OP	OPERANDS		SFX CT	LOCN	INSTRUCTION	TYPE	CARD
248	1 299	GOTEQ	MCW	3&X3,CH2		7	1299	M 0?3 Z81		18
249	1 306		MCW	COMMA, 3&X3		7	1306	M Z80 0?3		19
250	1 313		SBR	W3,3&X3		7	1313	H Z84 0?3		19
251	1 320		В	SAVLAB		4	1320	B U73		19
252	1 324		C	W3,X1		7	1324			19
253	1 331		BU	SYNTAX		5	1331	B X55 /		19
254	1 336		MCW	CH2,0&X1		7	1336	M Z81 0 0		19
255	1 343		LCA	COMMA,0&X2		7	1343	L Z80 0!0		20
	1 350		SBR	X2		4	1350			20
	1 354		CW	1&X2		4	1354) 0!1		20
	1 358		В	MOVEUP		4	1358	в 958		20
259		*								
260 261		* IF S	TATEM	ENT						
262	1 362	IF	MCW	X1,STMFIN&3		7	1362	м 089 /77		20
263	1 369	IFLOOP		IFRP,0&X1,) GET DOWN TO RIGHT PARENTHESIS		8	1369	B T93 0 0)		20
264	1 377		BCE	SYNTAX,0&X1,}		8	1377		GMARK	
	1 385		SBR	X1		4	1385	н 089		21
266	1 389		В	IFLOOP		4	1389	в т69		21
267	1 393	IFRP	MN	0&X1		4	1393	D 0 0		21
268	1 397		SAR	X1		4	1397	Q 089		21
269	1 401		BWZ	*&5,0&X1,2 FOLLOWED BY A DIGIT		8	1401	V U13 0 0 2		21
270	1 409		В	IFLOOP		4	1409	в т69		21
271	1 413		BCE	IFLOOP,0&X1,@		8	1413	B T69 0 0 @		22
272	1 421		SW	1&X1		4	1421	, 0 1		22
273	1 425		В	SAVLAB		4	1425	в U73		22
274	1 429		BCE	SYNTX2,0&X1,}	V3M4	8	1429	B Y01 0 0 }	GMARK	22
275	1 437		MN	0&X1	V3M4	4	1437	D 0 0		22
	1 441		SAR	X1	V3M4	4	1441	Q 089		22
	1 445		В	SAVLAB		4	1445	B U73		22
278	1 449		BCE	SYNTX2,0&X1,}	V3M4	8	1449	B Y01 0 0 }	GMARK	23
	1 457		MN	0&X1	V3M4	4	1457	D 0 0		23
280	1 461		SAR	X1	V3M4	4	1461	Q 089		23
	1 465		В	SAVLAB		4	1465			23
	1 469	*	В	SETCOM		4	1469	B S57		23
283			mire i	TARRE TO THE TARRE MORE AREA						
284 285		* MOVE	THE	LABEL TO THE LABEL WORK AREA						
286	1 473	SAVLAB	CDD	SAVLBX&3		4	1473	H V62		23
287	1 477	SAVLAD	MCW	X1, LABMOV&3		7	1477			23
288	1 484		BWZ	*&5,0&X1,2		8	1484	V U96 0 0 2		24
289	1 492		B	SYNTX2		4	1492	B Y01		24
290	1 496	SAVLL		0&X1		4	1496	D 0 0 0		24
	1 500	DAVID	SAR	X1		4	1500	Q 089		24
	1 504		BWZ	SAVLL,0&X1,2		8		V U96 0 0 2		24
	1 512		BCE	ENDLAB, 0&X1,		8		B V40 0 0 ,		24
	1 520		BCE	ENDLAB, 0&X1, }		8		B V40 0 0 }	GMARK	25
	1 528		BCE	ENDLAB, 0&X1,)		8	1528	B V40 0 0)		25
296	1 536		В	SYNTX2		4	1536	в у01		25
	1 540	ENDLAB		2059	V3M4	4		B !59		25

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SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX CT	LOCN	INSTRUCTION	TYPE	CARD
298 299 300 301	1	544 551 555 559	LABMOV	CW B	0,LABEL 1&X1 CONV50	7 4 4 4	1544 1551 1555 1559) 0 1 B V63		25 25 25 26
302 303 304			*		BELS TO BASE 50	_				
305	1	563	CONV50	SBR	CONV5X&3	4	1563	н х54		26
306	1	567		LCA	KZ6,LBLWRK	7	1567	L Z52 Y90		26
307	1	574		C	KZ6,LABEL	7	1574	C Z52 Z79		26
308		581		BU	*&5	5	1581	B V90 /		26
309		586		В	ZLAB LABEL IS ZERO	4	1586	B W24		26
310		590		SBR	X3,LABEL&1	7	1590	H 099 Z80		26
311		597	ZTRIM	MN	0&X3 TRIM	4	1597	D 0?0		27
312		601		SAR	X3 LEADING ZEROS	4	1601	Q 099		27
313 314		605		BCE	ZTRIM, 0&X3, 0 FROM LABEL	8 7	1605 1613	B V97 0?0 0		27 27
315		613 620		MCW MCW	0&X3,LBLWRK NONZERO DIGITS OF LABEL K1 AND 1	4	1620	M 0?0 Y90 M Z85		27
316		624	ZLAB	SW	LBLWRK-1	4	1624	, Y89		27
317		628	2212	CW	BBBMARC 1	1	1628)		27
318		629		SW		1	1629	,		28
319	1	630		CW		1	1630)		28
320	1	631		SW		1	1631	,		28
321	1	632		S	K5050,LBLWRK	7	1632	S Z89 Y90		28
322	1	639		S		1	1639	S		28
323	1	640		BM	*&8,LBLWRK	8	1640	V W55 Y90 K		28
324		648		A	K1,LBLWRK-5	7	1648	A Z85 Y85		28
325		655		BM	*&8,LBLWRK-2	8	1655	V W70 Y88 K		29
326		663		A	K2,LBLWRK-5	7	1663	A Z90 Y85		29
327		670		MZ	X1TAGS,LBLWRK	7	1670	Y Z96 Y90		29
328 329	Τ	677		CHAIN MZ	5	1	1677		MACRO GEN	29
330				MZ		1	1678		GEN	29
331				MZ		1	1679		GEN	29
332				MZ		1	1680		GEN	29
333				MZ		1	1681		GEN	30
334	1	682		MCW	X1,SX1	7	1682	M 089 Y94		30
335	1	689		MCW	ACHARS, X1	7	1689	M Z99 089		30
336	1	696		MCW	ALBLWK,X3	7	1696	M !02 099		30
337	1	703	CONV5L	MCW	0&X3,*&8	7	1703	M 0?0 X17		30
338		710		SAR	X3	4	1710	Q 099		30
339		714		MCW	0-0,CH	7	1714	M 000 Y91		31
340		721		LCA	CH, 0&X2	7	1721	L Y91 0!0		31
341		728		SBR	X2	4	1728	н 094		31
342		732		CW	16X2	4 8	1732 1736) 0!1		31
343 344		736 744		BWZ MCW	CONV5L, 0&X3, 2 SX1, X1	8 7	1744	V X03 0?0 2 M Y94 089		31 31
345		751	CONV5X		0	4	1751	B 000		32
346	_	, , , ,	*	-	·	-	1,01	2 000		22
347			* STATI	EMENT 1	NUMBER SYNTAX ERROR					

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	FORTRAN COMPILER STATEMENT NUMBERS PHASE 22			PAG	E 7
SEQ PG LIN LABEL OP	OPERANDS	SFX CT	LOCN	INSTRUCTION TYPE	CARD
398 1 962 PREFIX DCW	#10	10	1962		39
399 1 973 STMTS DCW	@WT65UPLDEGK@ CODES FOR STATEMENTS HAVING LABELS	11	1973		39
400 1 979 LABEL DCW	#6	6	1979		40
401 1 980 COMMA DCW	@,@	1	1980		40
402 1 981 CH2 DCW	#1	1	1981		40
403 1 984 W3 DCW	#3	3	1984		40
404 1 985 K1 DCW	1	1	1985		40
405 1 989 K5050 DCW	5050	4	1989		40
406 1 990 K2 DCW	2	1	1990		40
407 1 996 X1TAGS DCW	@Z Z Z @	6	1996		41
408 1 999 ACHARS DSA	CHARS	3	1999	Y96	41
409 2 002 ALBLWK DSA	LBLWRK	3	2002	Y90	41
410 2 048 ERR13 DCW	@ERROR 13 - STATEMENT NUMBER SYNTAX, STATEMENT @	46	2048		43
411 2 058 FORMT1 DCW	@TAMROF ONE@	10	2058		43
412 *					
413 * PATCH IN	V3M4				
414 *					
415 2 059 SW	1&X1 V3M4	4	2059	, 0 1	43
416 2 063 SW	MOVTST&1 V3M4	4	2063	, !79	43
417 2 067 MCW	LABMOV&3,MOVTST&3 V3M4	. 7	2067	M V47 !81	43
418 2 074 CW	MOVTST&1 V3M4	4	2074) !79	44
419 2 078 MOVTST MCW	O,TEST V3M4	. 7	2078	м 000 J09	44
420 2 085 BCE	LABMOV, TEST-5,: V3M4	. 8	2085	B V44 J04 :	44
421 2 093 MCW	*-7,TEST-5 V3M4	. 7	2093	M !92 J04	44
422 2 100 B	SYNTX2 V3M4	4	2100	B Y01	44
423 2 109 TEST DCW	@: @ V3M4	. 6	2109		44
404 0 110	-1-		0110		- 44

V3M4

1 2110

B 838

/ 000 080

GMARK 44

45

DCW

EX

END

@}@

BEGINN

424 2 110

425

426

SYMBOL	ADDRESS												
ACHARS	1999	ALBLWK	2002	BEGINN	838	CGO	1090	CGOFIN	1118	CH	1891	CH2	1981
CHARS	1896	CLEARL	707	COMMA	1980	CONV50	1563	CONV5L	1703	CONV5X	1751	DO	1276
DONE	1852	DOT	1884	ENDLAB	1540	ENDSTM	981	ERR13	2048	FLAG	1895	FORMT1	2058
GETCOM	1137	GETEQ	1283	GETRP	1200	GETUP	1830	GLOBER	184	GM	1883	GOTCOM	1161
GOTEQ	1299	GOTRP	1224	IF	1362	IFLOOP	1369	IFRP	1393	IFSS	1193	K1	1985
K2	1990	K5050	1989	KZ6	1952	LABEL	1979	LABMOV	1544	LBLDEF	1003	LBLREF	1026
LBLWRK	1890	LOADNX	700	LOADXX	793	LOOP	864	MORE	1809	MOVEUP	958	MOVTST	2078
NOLABL	914	PHASID	110	PREFIX	1962	SAVLAB	1473	SAVLBX	1559	SAVLL	1496	SETCOM	1257
SNAPSH	333	STMFIN	1174	STMTS	1973	SX1	1894	SYNTAX	1755	SYNTX2	1801	TAPE	1130
TEST	2109	W3	1984	X1	89	X1TAGS	1996	X2	94	X3	99	ZLAB	1624
ZTRIM	1597												

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