CLEAR STORA CLEAR STORA BOOTSTRAP	GE 1 GE 2	L0681	16,105106,110	0037,044,049,053053N000000N00001026 0117B101/I9I#071029C029056B026/B001/0991 5040,047054,061068,072/061039	,001/001 ,0010	117I0? 011040			1 2 3
			FORTRAN COME	PILER CONSTANTS PHASE ONE 18				PAGE	1
SEQ PG LIN	LABEL	OP	OPERANDS		SFX CT	LOCN	INSTRUCTION	TYPE	CARD
101				PILER CONSTANTS PHASE ONE 18					
102 103	*	CTL	6611						
103	* CONS	TANTS	THE SOURCE	E PROGRAM ARE NOTED AND NORMALIZED					
105				ONLY WORD MARKS IN THE STATEMENT ARE					
106				THAT SEPARATE PREFIX FROM BODY AND					
107			ENT FROM ANO						
108	*	OINIDN	LIVI INON ANO.	iiidi.					
100	X1	EOU	89			0089			
110	X2	EOU				0003			
111	X3	EQU				0099			
112	*	EQU	99			0099			
113		NTRY,	X1 IS THE TOP	P OF CODE.					
114	* ON E	VIT C	ODE TO MOVED	UP TO THE TOP, 83 IS THE TOP OF					
116				LOW THE BOTTOM OF CODE.					
117	* CODE	, AND	VS 19 ONE PEI	LOW THE BOTTOM OF CODE.					
117		D TN T	HE RESIDENT A	ADEA					
119	" SIUF	L IN I	UE KESIDENI F	AREA					
120	DIIACTD	EOU	110 DUACE 1	ID BOD CHARCHOT DUMPC		0110			
121	CLODED	EQU	110 PHASE I	ID, FOR SNAPSHOT DUMPS ERROR FLAG WM MEANS ERROR		0110			
122			333 CORE DU			0333			
123						0688			
124	TMOD	EQU EQU	600 IOP COL	RE ADDRESS FROM PARAM CARD R MODULUS NUMBER OF DIGITS		0690			
125	MANTIC	EQU	600 ELONTIN	IC DOINT MANTICCA DICITO		0692			
126	MANIIS	EQU	700 LOAD NE	<pre> MODULUS NUMBER OF DIGITS NG POINT MANTISSA DIGITS PYT OVERBLAY </pre>		0700			
127	CLEADIA	. EQU	700 LOAD NI	MADE OF OURDIAN LOADED		0700			
128	CDOMIA	EQU.	760 1 TE DI	JARI OF OVERLAY LOADER JNNING FROM CARDS, N IF FROM TAPE ROM OVERLAY LOADER		0769			
129	LOADXX	EOII	703 EVIT E	ROM OVERLAY LOADER		0793			
130	*	. EQU	793 EAII FI	OM OVERBAI BOADER		0193			
131		ORG	838				0838		
132	LOADDD			LOAD ADDRESS		0838	0000		
	BEGINN		299	HOAD ADDINESS	4	0838	/ 299		4
134 842		SW	GM			0842			4
135 846		SW	200			0846			4
136 850			TOPCOR,X2				M 688 094		4
137 857		MN	0&X2			0857			4
138 861		MN				0861			4
139 862		SAR	¥2	TOPCOR-2		0862			4
140 866		SBR	8.3	TOPCOR-2 TOPCOR-2 GMWM TO TOPCOR-1	4	0866	H 083		5
141 870			GM,1&X2	GMWM TO TOPCOR-1	7	0870	H 083 L L49 0!1 B J53 0 0		5
			DONE, 0 & X1	BOTTOM OF STATEMENTS IF BLANK	8	0877	B J53 010		5
143 885			0&X1,SEQCOD		7	0885	M 0 0 L53		5
144 892			0&X1,PREFIX				L 0 0 L63		5
145 899		SAR				0899			5
146 903		SBR	SX1			0903	_		6
147 907			SX2,0&X2				H L69 0!0		6
			,						

				FORTRAN COMPILER CONSTANTS PHASE ONE 18				PAGE	2
SEQ	PG LIN	LABEL	OP	OPERANDS	SFX CT	LOCN	INSTRUCTION	TYPE	CARD
148	914		LCA	PREFIX,0&X2 MOVE PREFIX UP	7	0914	L L63 0!0		6
149	921		SBR	X2	4	0921	H 094		6
150	925		MCW	SEQCOD-3,*&8	7	0925	M L50 939		6
151	932		BCE	X2 SEQCOD-3,*&8 IO,CODES,0 INTERESTING STATEMENT?	8	0932	B 972 L79 0		6
152	940		CHAIN	9				MACRO	
153			BCE		1	0940		GEN	6
154			BCE		1	0941	_	GEN	7
155			BCE		1	0942		GEN	7
156			BCE BCE		1	0943 0944		GEN GEN	7 7
157 158			BCE		1 1	0944		GEN	7
159			BCE		1	0946		GEN	7
160			BCE		1	0947		GEN	7
161			BCE		1	0948	В	GEN	8
162	949		LCA	0&X1,0&X2 MOVE STATEMENT BODY UP	7	0949			8
163	956		SAR	X1	4	0956	Q 089		8
164	960		C	0&X2	4	0960	C 0!0		8
165	964		SAR	X2	4	0964	Q 094		8
166	968		В	LOOP	4	0968	В 877		8
167		*							
168			IF, D	O, ARITHEMTIC STATEMENT					
169	070	*	app	V2 CODES A	7	0070			0
170 171	972 979	IO	SBR MCW	X3,CODTAB-4 SEOCOD-3,*&8	7	0972	H 099 L07 M L50 993		8 9
172	986	SEARCH		FOUND, 4&X3,0	8	0979	В 102 024 0		9
173	994	SEARCH	SBR	X3	4				9
174	998		В	SEARCH	4		В 986		9
175		*	_		_				-
176		* FOUN	D THE	STATEMENT CODE IN CODTAB. COPY THE INTERESTING					
177		* PUNC	TUATIO	N AND THE COUNT TO PUNCNT. THE PUNCTUATION					
178				AT IS SOUGHT IN THE STATEMENT. THE COUNT					
179				MINUS THE NUMBER OF TIMES THE PUNCTUATION					
180				BE FOUND. IT STARTS AT 0, 1 OR 2, AND IS					
181		* INCR	EMENTE.	D UNTIL IT IS 2.					
182 183	1 002		мсы	6&X3,PUNCNT	7	1002	M 0?6 L81		9
184	1 002	FOUND	MCW	PUNCNT-1,SCHPUN&7		1002			9
185	1 016	SCHCNT		FOUND2, PUNCNT, 2 FOUND IT ENOUGH TIMES?		1016			10
186	1 024	00110111	A	K1, PUNCNT		1024			10
187	1 031	SCHPUN		GOTPUN,0&X1,0 FOUND THE DESIRED PUNCTUATION?		1031			10
	1 039		BCE	FOUND2,0&X1,} FOUND GM?		1039			
189	1 047		SBR	X1	4	1047	Н 089		10
190	1 051		B	SCHPUN GO SEARCH FOR MORE PUNCTUATION	4	1051	B 31		10
	1 055	GOTPUN		0&X1	4		D 0 0		11
	1 059		SAR	X1		1059	Q 089		11
	1 063		В	SCHONT GO TEST HAVE WE SEEN IT ENOUGH TIMES?		1063	B 16		11
	1 067	FOUND2		NOZONE,0&X1,3 DIGIT OR GMWM?	8		V 91 0 0 3		11 11
	1 075 1 079		SBR BCE	X1 SWITCH,1&X1,\$ SUBSCRIPT?	4 8	1075 1079	H 089 B /76 0 1 \$		11
	1 079		BCE B	FOUND2			B 67		11
	_ 007		_		-	1007	- 10,		

F				•				
			FORTRAN COMPILER CONSTANTS PHASE ONE 18				PAGE	3
SEQ	PG LIN	LABEL OP	OPERANDS	SFX CT	LOCN	INSTRUCTION	TYPE	CARD
199 200 201	1 091 1 099 1 103 1 111 1 119	NOZONE BCE SBR BCE BCE MCW	ENDSTM,0&X1,} GM MEANS END OF STATEMENT X1 FOUND2,1&X1,# ASSIGNMENT OPERATOR IS NOT A NUMBER FOUND2,1&X1,@ ATSIGN IS NOT A NUMBER 2&X1,BEFORE	4 8 8	1099		GMARK	12 12 12 12
204 205 206	1 126 1 127 1 128 1 132	MCW MCW SAR MCW	AT AFTER X1 BEFORE,*&8	1 4 7		M Q 089 M L48 /46		12 12 13 13
	1 139 1 147	BCE CHAIN BCE BCE BCE	FOUND3,OPPUN,0 CHAR BEFORE IS OPERATOR OR PUNCT?	1 1	1139 1147 1148 1149	В	MACRO GEN GEN GEN	13 13 13
212 213 214 215		BCE BCE BCE BCE		1 1 1	1150 1151 1152 1153	B B B	GEN GEN GEN GEN	13 14 14 14
216 217 218 219 220	1 157 1 165	BCE BCE BCE BCE BACKSP SBR	ENDSTM,1&X1,} X1,1&X1	1 1 8			GEN GEN GEN GMARK	14 14 14 14 15
221 222 223 224	1 172	B * * SUBSCRIPT *	FOUND2			B 67		15
225 226 227 228 229 230	1 176 1 180 1 187 1 194	SWITCH NOP MCW MCW B * * SUBSCRIPT	UNSW BRANCH, SWITCH KB1, SWICH3&4 SET TO UNCONDITIONAL BRANCH FOUND2 END	7 7	1180 1187	N /98 M L94 /76 M N04 !42 B 67		15 15 15 15
233 234 235	1 198 1 205 1 212	MCW B	NOP,SWITCH UNEQ,SWICH3&4 SET TO BRANCH UNEQUAL FOUND2	7	1205	M L95 /76 M L96 !42 B 67		16 16 16
239 240	1 216 1 224 1 231 1 239	FOUND A D. * FOUND3 BCE MCW BCE CHAIN BCE BCE BCE BCE BCE BCE BCE	IGIT PRECEDED BY AN OPERATOR OR PUNCTUATION IN OPPUN DECMAL,3&X1,. 3&X1 = BEFORE AFTER,*&8 BACKSP,ATHRUR,0 ?A-I!J-R ? 19	7 8 1 1 1 1	1224	B B B	MACRO GEN GEN GEN GEN GEN GEN	16 16 17 17 17 17 17 17

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				FORTRAN COMPILER CONSTANTS PHASE ONE 18			PAGI	E 5
SEQ	PG LIN	LABEL	OP	OPERANDS	SFX CT	LOCN	INSTRUCTION TYPE	CARD
298 299 300 301 302 303 304 305 306 307	1 525	DECBAK EXPBAK SYNBAK	C NOP NOP C BU	DEC2,2&X1,. GOTEXP,AT,E NLZ,KP01 SYNTAX SIGWID,KPZ3 GOTFPK K15K,0&X2 X2 1&X2	8 8 7 4 1 7 5 7 4 4	1490 1498 1506 1513 1517 1518 1525 1530 1537 1541	B Y22 0 2 . B Y37 L47 E C M28 M30 N X84 N C M23 M33 B V49 / L M36 0!0 H 094) 0!1	26 26 26 26 27 27 27 27 27
308	1 545		В	TLESSX	4		В Ј00	27
309 310		* FOIIN	וים גו	OATING-POINT CONSTANT				
311		*	DAIL	OATING TOTAL CONSTANT				
312 313 314 315 316 317 318 320 321 322 323 324 325 327 328 329 330 331	1 549 1 556 1 564 1 571 1 578 1 585 1 592 1 599 1 603 1 610 1 614 1 621 1 625 1 633 1 640 1 647 1 652 1 659 1 667 1 671 1 679	* GOTFPK FLOOP FINFK SKIPO	BW LCA MCW MCW A SBR SW MCW SAR MCW SBR BW SBR BW SBR	X1,SX1A *&8,FLAG 0&X3,1&X3 SX1B,X1 MANTIS,WIDTH KP2,WIDTH X3,198 200 0&X1,AT USE THE X1 PRINT AREA AT,2&X3 TO REVERSE X3 THE CONSTANT FINFK,1&X1 TO CORRECT KP1,WIDTH ORDER WIDTH,KP00 FLOOP X3,1&X3 FINISHED WITH FLOATING POINT CONSTANT *&5,0&X3,0 NOTO 0&X3 X3 SKIPO	7 8 7 7 7 4 7 4 8 7 7 5 7 8 4 4 4 4 4 4	1621	V V71 N44 1 L 0?0 0?1 M M42 089 M 692 M44 A M45 M44 H 099 198 , 200 M 0 0 L47 Q 089 M L47 0?2 H 099 V W52 0 1 1 S M25 M44 C M44 M47 B W03 / H 099 0?1 B W71 0?0 0	27 28 28 28 28 29 29 29 29 29 30 30 30 30 31 31 31
334	1 683	NOT0	MN	0&X3	4	1683	D 0?0	31
336 337 338 339 340 341 342	1 687 1 691 1 698 1 705 1 712 1 716		SAR MCW MZ LCA SBR B	X3 EXP,3&X3 MOVE EXPONENT ADD2,1&X3 ZONE FOR MANTISSA 3&X3,0&X2 X2 KFIN N LEFT SIDE OF EQUAL SIGN	4 7 7 7 4 4	1698 1705 1712	Q 099 M M20 0?3 Y M48 0?1 L 0?3 0!0 H 094 B !89	31 32 32 32 32 32 32
343 344	1 720	* KLEFT	CS	332			/ 332	32
345 346	1 724 1 725		CS SW	GLOBER	1 4	1724 1725		32 33
	1 729		MN	SEQCOD, 256	7		D L53 256	33

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						FORTRAN COMPILER CONSTANTS PHASE ONE 18				PAGE	6
	SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX CT	LOCN	INSTRUCTION	TYPE	CARD
	348	1	736		MN		1	1736	D		33
	349		737		MN		1	1737			33
	350		738		MCW	KLM1	4	1738	M M70		33
	351		742		MCW	KLM2	4	1742	M N03		33
	352		746		W		1	1746	2		33
	353	1	747		BCV	*&5	5	1747	B X56 @		34
	354	1	752		В	*&3	4	1752	B X58		34
	355	1	756		CC	1	2	1756	F 1		34
	356	1	758		MCW	SX2,X2	7	1758	M L69 094		34
	357	1	765		MCW	KB1,0&X2	7	1765	M N04 0!0		34
	358	1	772		C	0&X1	4	1772	C 0 0		34
	359	1	776		SAR	X1	4	1776	Q 089		34
	360	1	780		В	LOOP	4	1780	В 877		35
	361			*							
	362				AX ERR	OR FOR CONSTANT					
	363			*							
	364		784	SYNTAX		332			/ 332		35
	365		788		CS	OL OPER		1788	104		35
	366 367		789 793		SW	GLOBER	4 7	1789	, 184		35
	368		800		MN MN	SEQCOD,241	1	1793 1800	D L53 241 D		35 35
	369		801		MN		1	1801			35
	370		802		MCW	ERR44	4		D M N42		36
		1			W	FW44	1	1802	2		36
	372		807		BCV	*&5	5	1807			36
	373				В	*&3	4		B Y18		36
	374		816		CC	1	2	1816	F 1		36
	375		818		В	SYNBAK			B V30		36
	376			*							
	377	1	822	DEC2	MCW	KO,2&X1	7	1822	M N43 0 2		36
	378	1	829		SW	FLAG	4	1829	, N44		37
		1	833		В	DECBAK	4	1833	B U98		37
	380			*							
	381 382			* FLOA'	TING-P	OINT EXPONENT					
	383	1	837	GOTEXP	ZA	PZE, THEEXP	7	1837	? N45 N47		37
	384		844		BWZ	EXPNS, 0&X1, 2	8	1844	V Y63 0 0 2		37
	385	1	852		MZ	0&X1,THEEXP EXPONENT IS SIGNED	7	1852	Y 0 0 N47		37
	386	1	859		SAR	X1	4	1859	Q 089		37
	387	1	863	EXPNS	MN	0&X1	4	1863	D 0 0		37
	388	1	867		SAR	X1	4	1867	Q 089		38
	389	1	871		C	0&X1,Z	7	1871	C 0 0 N48		38
	390		878		BL	EXP2	5	1878			38
	391		883		MN	1&X1,THEEXP	7		D 0 1 N47		38
	392				В	EXP3	4	1890	B Z12		38
			894	EXP2	MN	1&X1,THEEXP-1	7	1894	D 0 1 N46		38
	394		901		MN	0&X1,THEEXP	7		D 0 0 N47		39
	395		908	בעעט	SAR	X1	4 7	1908	Q 089		39 39
	396 397		912	EXP3	A MN	THEEXP, EXP 0&X1			A N47 M20 D 0 0		39
	221	_	J ± J		* 11.4	V WILL	- 7	1/1/	2 0 1 0		5,5

-				FORTRAN COMPILER CONSTANTS PHASE ONE 18			PAG	E 7
SEQ	PG LIN	LABEL	OP	OPERANDS	SFX CT	LOCN	INSTRUCTION TYPE	CARD
398	1 923		SAR	X1	4	1923	Q 089	39
	1 927		В	EXPBAK	4	1927	B V06	39
400		*						
401 402		* FOUN	D INTE	GER CONSTANT				
	1 931		C	SIGWID, KPZ3	7	1931	C M23 M33	39
404	1 938	GOTIK	BU	I2	5		B Z62 /	40
405	1 943		LCA	KBO,0&X2 ZERO CONSTANT	7		L N50 0!0	40
406	1 950		SBR	X2	4		Н 094	40
407	1 954		CW	1&X2	4	1954) 0!1	40
408	1 958		В	TLESSX	4	1958		40
		I2	MCW	X1,SX1A	7		M 089 M39	40
	1 969		MCW	SX1B,X3	7	1969	M M42 099	40
	1 976		SW	0&X3	4	1976	, 0?0	41
	1 980		SBR	X3,299	7	1980	Н 099 299	41
	1 987 1 994	ILOOP	MCW	IMOD, WIDTH 2&X1, AT MOVE UP	7 7	1987 1994		41 41
	2 001	ILOUP	SAR	X1 CONSTANT,	4	2001		41
	2 005		MCW	AT,0&X3 REVERSING DIGITS	7		M L47 0?0	41
	2 012		SBR	X3 TO CORRECT	4		Н 099	42
	2 016		BW	FINIK,1&X1 ORDER	8	2016	V !43 0 1 1	42
419	2 024		S	KP1,WIDTH	7	2024	S M25 M44	42
420	2 031		C	WIDTH, KP00	7		C M44 M47	42
	2 038	SWICH3		X3,299 IMOD,WIDTH 2&X1,AT MOVE UP X1 CONSTANT, AT,0&X3 REVERSING DIGITS X3 TO CORRECT FINIK,1&X1 ORDER KP1,WIDTH WIDTH,KP00 ILOOP 1&X3 FINISHED WITH INTEGER CONSTANT 299,0&X2 X2	5		B Z94 /	42
		FINIK		1&X3 FINISHED WITH INTEGER CONSTANT	4	2043	, 0?1	42
	2 047		LCA	299,0&X2	7		L 299 0!0	43
	2 054		SBR				H 094	43
	2 058 2 062		CW C	1&X3 SIGWID,KP001	4 7	2058) 0?1 C M23 N53	43 43
	2 062		BU	KFIN	5		B !89 /	43
	2 074		CW	1&X2	4	2074) 0!1	43
	2 078		LCA	KB1A,0&X2	7		L N54 0!0	43
	2 085		SBR	X2	4		Н 094	44
431	2 089	KFIN	CW	1&X2 FINISHED WITH INTEGER OR FP CONSTANT	4	2089) 0!1	44
432	2 093		MCW	SX1A,X1	7	2093	M M39 089	44
	2 100	TLESSX		X1,1&X1	7		H 089 0 1	44
	2 107		SBR	SX1	4		H L66	44
	2 111		BCE	FOUND2,0-0,<	8	2111	B 67 000 <	44
436		*	D.M. T.O.	MOO DIO				
437 438		* PROG	RAM IS	TOO BIG				
	2 119		CS	332	4	2119	/ 332	44
	2 123		CS	332	_	2123	/ 332	45
	2 124		CC	1	2	2124	F 1	45
	2 126		MCW	ERROR2,270	7		M N90 270	45
443	2 133		W		1	2133	2	45
	2 134		CC	1	2	2134		45
	2 136		BCE	HALT, CDOVLY, 1	8		В J49 769 1	45
	2 144		RWD	1	5	2144		45
447	2 149	HALT	Н	HALT	4	2149	. J49	46

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SEQ	PG LIN	LABEL	OP	OPERANDS	SFX CT	LOCN	INSTRUCTION TYPE	CARD
448		*						
449		* DONE						
450		*						
451	2 153	DONE	BSS	SNAPSH,C	5	2153	В 333 С	46
452	2 158		SBR	LOADXX&3,849	7	2158	Н 796 849	46
453	2 165		SBR	CLEARL&3,GMWM	7	2165	H 710 001	46
454	2 172		LCA	CONST2, PHASID	7		L N99 110	46
455	2 179		В	LOADNX	4	2179	В 700	46
456		*						
457			K FOR	IF STATEMENT				
458	0 100	*		TWO OTHER OT	^	0100	D 705 750 D	4.5
459	2 183	TESTIF		ENDSTM, SEQCOD-3, E IF STATEMENT?	8		B J95 L50 E	47
460 461	2 191	*	В	MARK	4	2191	B S66	47
462			OF CT7	TEMENT. MOVE IT UP				
463		*	OI JIF	IBMENT: MOVE II OI				
464	2 195	ENDSTM	MCW	SX1,X3	7	2195	M L66 099	47
	2 202	21120111	LCA	0&X3,0&X2	7		L 0?0 0!0	47
466	2 209		SAR	X3	4		0 099	47
467	2 213		C	0&X2	4		C 0!0	47
468	2 217		SAR	X2	4	2217	Q 094	47
469	2 221		MCW	X3,X1	7	2221	М 099 089	48
470	2 228		В	LOOP	4	2228	В 877	48
471		*						
472			ONSTAN	T BEGINNING WITH A DECIMAL POINT				
473		*						
474		DECMAL		X1,1&X1			H 089 0 1	48
475	2 239		В	MARK	4	2239	B S66	48
476 477		* DECI	MAT DO	TNIT				
477		* DECI.	MAL PC	INI				
479	2 243	MSN	MCW	SUB2,ASN2 MOVE SUB OR NOP	7	2243	M 000 T90	48
480	2 250	PIOIN	MCW	ANOP, MAN&3	7		M L45 K75	48
481	2 257		MCW	X1,X3	7	2257	M 089 099	49
482	2 264	SWNOP	SW	FLAG EITHER SW OR NOP	4	2264	, N44	49
483	2 268		В	ZSCAN	4	2268	В Т79	49
484		*						
485	2 272	MAN	MCW	ADD2, ASN2 MOVE ADD OR NOP	7	2272	M M48 T90	49
486	2 279		MCW	ANOP,MSN&3	7		M L45 K46	49
487	2 286		MCW	NOP,SWICH2	7		M L95 U04	49
	2 293		SBR	SX1B,1&X1	7		H M42 0 1	50
	2 300		MCW	NOP, SWNOP	7		M L95 K64	50
	2 307	*	В	TSTASG	4	2307	В U35	50
491								
492 493		* DATA						
493		CODTAB	EOH	*&1		2311		
495	2 340	CODIAD	DCW	@R 2E 2D#1L,15,0U,1P,16,01,13,1@	30	2340		51
496	2 341	ADD	A			2341	A	51
	2 342	SUB	S			2342		51

		FOR	TRAN COMPILER CONSTANTS PHASE ONE 18				PAGE	9
SEQ PG LIN	LABEL C	OP OPE	RANDS	SFX CT	LOCN	INSTRUCTION	TYPE	CARD
498 2 345	ANOP D	OSA NOP		3	2345	L95		51
499 2 346	AFTER D		CHAR AFTER DIGIT		2346			51
500 2 347	AT D	OCW #1	DIGIT	1	2347			51
501 2 348	BEFORE D	OCW #1	CHAR BEFORE DIGIT	1	2348			51
502 2 349	GM D	OC @}@	GM	1	2349		GMARK	51
503 2 353	SEQCOD D	OCW #4	STATEMENT CODE, SEQUENCE NUMBER	4	2353			52
504 2 363	PREFIX D		ENTIRE STATEMENT PREFIX		2363			52
505 2 366		DCW #3		3	2366			52
506 2 369		DCW #3			2369			52
507 2 379	CODES D		L3165DER@ I/O, DO, IF, ARITH CODES	10	2379			52
508 2 381				2	2381			52
509 2 382 510 2 393		DCW 1	O HOA + CO OPERATORA AND DINIGHUATION	1	2382			52 53
	BRANCH B	DCW (a) }	e.#%\$, *-&@ OPERATORS AND PUNCTUALION	11	2393	В		53
512 2 394		NOP		1	2394	N		53
513 2 396		OCW 0/0	D-MODIFIER FOR UNEQUAL BRANCH	1	2396	14		53
514 2 416	ATHRUR D	DCM 676	BCDEFGHILIKIMNOPOR®	20	2416			53
515 2 417		OCW 0<0	DODDI GIII . OKDIMOI QIKE	1	2417			53
516 2 418	KUNDER D	OCW @ @	@.#%\$,*-&@ OPERATORS AND PUNCTUATION D-MODIFIER FOR UNEQUAL BRANCH BCDEFGHI!JKLMNOPQR@	1	2418			53
517 2 420		DCW #2	SIGNIFICANT WIDTH OF CONSTANT	2	2420			54
518 2 423	SIGWID D	DCW #3	SIGNIFICANT WIDTH OF CONSTANT	3	2423			54
519 2 424	SW S	SW		1	2424	,		54
520 2 425	KP1 D	OCW &1			2425			54
521 2 428	NLZ D	DCW #3	NUMBER OF LEADING ZEROS		2428			54
522 2 430		OCW &01		2	2430			54
523 2 433		OCW &00			2433			54
524 2 436		DSA 150	00		2436	?0?		55
525 2 439		DCW #3		3	2439			55
526 2 442		OCW #3	WANTER OR THER		2442			55
527 2 444			MANTIS OR IMOD		2444			55
528 2 445 529 2 447		DCW &2 DCW &00			2445 2447			55 55
530 2 447		JCW & UU		Z 1		A		55
531 2 470		ocw @eo	UAL SIGN, STATEMENT @ ROR 41 – CONSTANT LEFT SIDE OF @	22	2470	Α		56
532 2 503		DCW GEQ DCW GER	ROR 41 - CONSTANT LEFT SIDE OF 6	33	2503			57
533 2 504		DCW #1	NON II CONDINNI EBII DIBE OI E	1	2504			57
534 2 542			ROR 44 - CONSTANT SYNTAX, STATEMENT @		2542			58
535 2 543	KO D	OCW 0		1	2543			58
536 2 544	FLAG D	OCW #1		1	2544			59
537 2 545	PZE D	OCW &0		1	2545			59
538 2 547	THEEXP D	DCW #2		2	2547			59
539 2 548	Z D	OCW @Z@		1	2548			59
540 2 550		OCW @ 0			2550			59
541 2 553	KP001 D		1		2553			59
542 2 554		DCW #1		1	2554			59
543 2 590	ERROR2 D		SSAGE 2 - OBJECT PROGRAM TOO LARGE@		2590			60
544 2 599	CONST2 D		NST TWO@	9	2599	C		61
545 2 600 546 2 601		S SCW ALA			2600 2601	S	GMARK	61 61
546 2 601		DCW @}@ DRG 201		1	20UI	0201	GMAKK	юΙ
J 11	C	201				0201		

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	FORTRAN COMPILER CONSTANTS PHASE ONE 18	PAGE 10
SEQ PG LIN LABEL OP	OPERANDS	SFX CT LOCN INSTRUCTION TYPE CARD
548 203 DSA 549 EX 550 END	LOADDD LOAD ADDRESS FOR CARD-TO-TAPE PROGRAM BEGINN	3 0203 838 62 B 838 63 / 000 080

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FORTRAN COMPILER CONSTANTS PHASE ONE 18												PAGE	11
SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
ADD	2341	ADD2	2448	AFTER	2346	ANOP	2345	ASN2	1390	AT	2347	ATHRUR	2416
BACKSP	1165	BEFORE	2348	BEGINN	838	BRANCH	2394	CDOVLY	769	CLEARL	707	CODES	2379
CODTAB	2311	CONST2	2599	DEC2	1822	DECBAK	1498	DECMAL	2232	DONE	2153	ENDSTM	2195
ERR44	2542	ERROR2	2590	EXP	2420	EXP2	1894	EXP3	1912	EXPBAK	1506	EXPNS	1863
FINFK	1652	FINIK	2043	FLAG	2544	FLOOP	1603	FOUND	1002	FOUND2	1067	FOUND3	1216
GLOBER	184	GM	2349	GMWM	2601	GOTEXP	1837	GOTFPK	1549	GOTIK	1931	GOTPUN	1055
HALT	2149	I2	1962	ILOOP	1994	IMOD	690	IO	972	K0	2543	K1	2382
K15K	2436	KB0	2550	KB1	2504	KB1A	2554	KFIN	2089	KLEFT	1720	KLESS	2417
KLM1	2470	KLM2	2503	KP00	2447	KP001	2553	KP01	2430	KP1	2425	KP2	2445
KPZ3	2433	KUNDER	2418	LOADDD	838	LOADNX	700	LOADXX	793	LOOP	877	MAN	2272
MANTIS	692	MARK	1266	MSN	2243	NLZ	2428	NOP	2395	NOT0	1683	NOZONE	1091
OPPUN	2393	PHASID	110	PREFIX	2363	PUNCNT	2381	PZE	2545	SCHCNT	1016	SCHPUN	1031
SEARCH	986	SEQCOD	2353	SIGWID	2423	SKIP0	1659	SNAPSH	333	SUB	2342	SUB2	2600
SW	2424	SWICH2	1404	SWICH3	2038	SWITCH	1176	SWNOP	2264	SX1	2366	SX1A	2439
SX1B	2442	SX2	2369	SYNBAK	1530	SYNTAX	1784	TESTIF	2183	THEEXP	2547	TLESS	2111
TLESSX	2100	TOPCOR	688	TSTASG	1435	UNEQ	2396	UNSW	1198	WIDTH	2444	X1	89
X2	94	Х3	99	Z	2548	ZSCAN	1379						