			FORTRAN COMPILER ARITH PHASE TWO PHASE 34			PAGE	2
SEQ PG LI	N LABEL	OP	OPERANDS	SFX CT	LOCN	INSTRUCTION TYPE	CARD
148 94 149 95 150 95 151 96 152 96 153 96 154 97 156 98 157 98 157 98 158 99 1 00 160 1 00 161 1 00 162 1 01 163 1 02 164 1 02	3 CLRX 7 1 MORE 5 9 6 7 1 SX3 8 6 0 1 5 7 7	B MN SAR MCM SAR MCM MN SBR SBR BCE MN CW C BU MN SAR	CLRL CORE & X00 0 & X1 X1 0 & X3 MOVE CODE SX3&6 DOWN FROM 0 & X3,1& X1 TOP CORE TO BOTTOM X1 OF BOTTOMMOST X3,0 ASSIGNMENT MORE,0& X1, OR IF 0 & X3 STATEMENT 0 & X1 X3,SX2 MORE 0 & X1 X1 X1	4 4 4 4 7 1 4 7 8 4 1 4 7 5 4 4	0961 0965 0969 0976 0977 0981 0988 0996 1000 1001 1005 1012	Q 089 P 070 Q 987 P 070 0 1 D H 089 H 099 000 B 961 0 0	7 7 7 7 8 8 8 8 8 8 8 8 9 9 9 9
166 167 168 169			THE TOP OF THE TOPMOST ASSIGNMENT OR IF STATEMENT				
170	5 9 3 1 1 5 9 3 1 1 8 8 5 5 2 9 9 3 1 1 8 8 8 8 8 READY 0	MN SBR BCE C BU MCW SBR MCW MCW MCW MCW MCW MCW MCW SBR BCE C BU MCW SBR	COR IF STATEMENT IN HIGH CORE. O&X3 IXTOP INDEX OF STATEMENT IN TOP CORE LOOP,0&X3,} X3 GM IXTOP X3,SX2 IXTOP,IXTSAV 0&X1,X3 *&5,X3,2 ZONE IN ONES OR *&9 THOUSANDS MEANS ADDRESS OF *&8,X3-2,2 SEQUENCE NUMBER IN SYMBOL TABLE 0&X3,X3 GET SEQUENCE NUMBER FROM TABLE X3,SEQNO KB12,W3B KBRACK,40&X1 RIGHT BRACKET LOCBRK&6,40&X1 REMEMBER WHERE WE PUT IT MOVEUP MOVE PREFIX UP TO HIGH CORE IFSIMT,2&X1,E IF STATEMENT? 2&X1,KR ASSIGNMENT STATEMENT? X1,X3 LINK&3,0&X1 0&X3 SX3B HUNT WHEW,0,] RIGHT BRACKET	4 4 8 4 4 7 7 7 8 8 4 8 7 7 7 7 7 7 7 7	1025 1029 1033 1041 1045 1049 1053 1060 1067 1074 1082 1108 1115 1115 1129 1133 1141 1148 1153 1160	D 0?0 H P55 B 60 0?0 } GMARK H 099 L N73 H P55 M 099 P45 M P55 P58 M 0 0 099 V 86 099 2 B 94 V /01 097 2 M 070 099 M 099 P61 M Q14 Q28 M P62 0U0 H /85 0U0 B S57 B S21 0 2 E C 0 2 P63 B N19 / M 089 099 H M96 0 0	10 10 10 10 10 11 11 11 11 11 12 12 12 12 12 13 13 13 13
193 1 16 194 1 17 195 1 17 196 1 17	1 5 9 LOCBRI	SAR B K BCE	SX3B HUNT WHEW,0,] RIGHT BRACKET	4 4 4 8	1171 1175 1179	Q P66 B S91 B T81 000]	13 14 14 14

-										
				FORTRAN COM	MPILER ARITH PHASE TWO PHASE 34				PAGE	4
SEQ	PG LI	LABEL	OP	OPERANDS		SFX CT	LOCN	INSTRUCTION	TYPE	CARD
248			BCE			1	1336	В	GEN	19
249			BCE				1337		GEN	19
250			BCE				1338		GEN	20
	1 339		В	HUNTL		4		В ТОЗ	CLI	20
		HUNTX		0				В 000		20
253		*	_	*		-				
254		* SKI	SUBS	CRIPT DECR	REASE X3 BY EITHER 12 OR 18					
255		*								
256	1 34	SKPSU	3 C	0&X3,KB12		7	1347	C 0?0 Q14		20
	1 354		SAR	х3				0 099		20
	1 358		BCE	HUNTX, 2&X3,	.\$	8		B T43 0?2 \$		20
259	1 366		С	0&X3,KB12-6		7		C 0?0 Q08		20
	1 373		SAR	х3				0 099		21
261	1 37		В	HUNTX		4	1377	B T43		21
262		*								
263		* PROC	GRAM I	SN'T TOO BIG						
264		*								
265	1 383	WHEW	MCW	1&X3,CURR	CURRENT OPERATOR OR ASSIGNMENT	7	1381	M 0?1 Q15		21
266	1 388		MCW	1&X1,PREV	PREVIOUS OPERATOR OR GM	7	1388	M 0 1 Q16		21
267	1 395		MCW	PREV,LOOKCH	1&7	7	1395	M Q16 V46		21
268	1 402		MCW	KB12,W3		7	1402	M Q14 Q19		21
269	1 409		В	LOOK		4	1409	B V16		22
270	1 413		MN	CHNUM, W3-1	PREVIOUS CHARS INDEX IS TENS	7	1413	D Q20 Q18		22
271	1 420	1	MCW	CURR, LOOKCH	1&7	7	1420	M Q15 V46		22
272	1 42		В	LOOK		4	1427	B V16		22
273	1 433		MN	CHNUM, W3	CURRENT CHARS INDEX IS ONES	7	1431	D Q20 Q19		22
274	1 438		MCW	W3,X2		7	1438	M Q19 094		22
275	1 445	i	MN	TABLE&X2,X2	GET ONE	7		D OM3 094		23
	1 452		MCW		DIGIT FROM TABLE	4		M Q14		23
	1 456		BWZ	MSG24,X2,S		8		V K61 094 S		23
	1 464		A	X2		4		A 094		23
	1 468		A	X2	QUADRUPLE IT	4		A 094		23
	1 472		В			4		B UP6		23
	1 476		В		EX FROM TABLE IS ZERO	4		B W03		23
	1 480		B B	ONE INDE	CURRENT CHARS INDEX IS ONES GET ONE DIGIT FROM TABLE QUADRUPLE IT X FROM TABLE IS ZERO X FROM TABLE IS ONE X FROM TABLE IS TWO X FROM TABLE IS TWO X FROM TABLE IS THREE X FROM TABLE IS FOUR X FROM TABLE IS FIVE X FROM TABLE IS SIX X FROM TABLE	4		B W18		24
	1 484		В	TWO INDE	EX FROM TABLE IS TWO EX FROM TABLE IS THREE	4		B W59		24
	1 488				IX FROM TABLE IS THREE	4		B M58		24
	1 492		В		EX FROM TABLE IS FOUR	4		B Z48		24
	1 496				EX FROM TABLE IS FIVE	4		B Z81		24 24
	1 504		В		EX FROM TABLE IS SIX	4		B M13 B L75		24
	1 508				EX FROM TABLE IS EIGHT	4		B L37		25
	1 512		В		EX FROM TABLE IS NINE	4		B K99		25
291	1 114	*	ь	M3GZO INDE	A FROM TABLE IS NINE	4	1,112	ы кээ		2.0
292			FOR	A CHADACTED T	IN CHARS, TREATING MINUS AND PLUS					
293				COUNTING AS W						
294		* 17001	'	COUNTING DO M	.2 2001					
	1 516	LOOK	SBR	LOOKCH&3		4	1516	H V42		25
	1 520			LOOK3,LOOKC	CH&7.=	8		B V62 V46 -		25
	1 528			CHNUM INDE				S Q20		25
			-		-	_		2 -		_

F			_			
		FORTRAN COMPILER ARITH PHASE TWO PHASE 34				PAGE 5
SEQ PG LIN	LABEL OP	OPERANDS	SFX CT	LOCN	INSTRUCTION T	YPE CARD
304 1 569	SBR A B LOOK3 MCW B	ACHARS, LOOKCH&6 0,0,0 LOOKCH&6 K1,CHNUM LOOKCH KPLUS, LOOKCH&7 LOOK2 COUNTX&3 K1,W3B W3B-1,CH	7 8 4 7 4 7 4	1539 1547 1551 1558 1562 1569 1573 1577	M Q23 V45 B 000 000 0 H V45 A Q24 Q20 B V39 M Q25 V46 B V28 H W02 A Q24 Q28 Y Q27 N72	25 25 26 26 26 26 26 26
309 1 591 310 1 598 311 1 599	MN MN	W3B,CH 0	7 1	1591 1598	D Q28 N72	27 27 27
313 314 315 316 317 318 319 320 321 322	* INDEX FROM * PREV * * PREV % * PREV # * PREV GM * PREV & * PREV 0 * PREV . * PREV .	TABLE IS ZERO. CURR %. BLANK CURR *%&@. BLANK , CURR #%&@. BLANK , CURR # CURR *%@. BLANK , CURR %. BLANK CURR %. BLANK CURR % BLANK CURR %. BLANK CURR *%&@. BLANK , CURR %. BLANK ,				
324 1 603 325 1 610 326 1 614 327 328	B B	X3,X1 CURRENT TO PREVIOUS HUNT GET NEXT OPERATOR WHEW TABLE IS ONE. RR)	4	1610	M 099 089 B S91 B T81	27 27 27
331	SBR SBR B	RR)G& RR *)G&@	7 4 1 7 7	1622 1629 1633 1634 1641 1648	, 0?2 L 0 0 0 1) 0?3) L 0?0 0?2 H 089 0 1 H 099 0?1 B T81	28 28 28 28 28 28 29 29
346 1 659 347 1 666	TWO MCW MZ	IXTOP,X2 4&X3,SAVTAG			M P55 094 Y 0?4 Q29	29 29

				FORTRAN COMPILER ARITH PHASE TWO PHASE 34			P	PAGE 6
SEQ	PG LIN	LABEL	OP	OPERANDS	SFX CT	LOCN	INSTRUCTION TY	PE CARD
348	1 673		BCE	*&8,2&X3,\$	8	1673	B W88 0?2 \$	29
349	1 681		MZ	3&X3,SAVTAG	7	1681	Y 0?3 Q29	29
350	1 688		SW	2&X3	4	1688	, 0?2	29
351	1 692		LCA	0&X1,0&X2	7	1692	L 0 0 0!0	30
352	1 699		SBR	X2	4	1699	Н 094	30
353	1 703		CW	1&X2	4	1703) 0!1	30
354	1 707		SW	2&X1	4	1707	, 0 2	30
355	1 711		SW		1	1711	,	30
356	1 712		LCA	1&X1,0&X2	7	1712	L 0 1 0!0	30
357	1 719		SBR	X2	4	1719	H 094	30
358	1 723		SBR	IXTOP	4	1723	H P55	31
	1 727		CW	1&X2	4	1727) 0!1	31
360	1 731		BCE	SUBTWO,2&X1,\$	8	1731	B Y90 0 2 \$	31
361	1 739		LCA	4&X1,0&X2	7		L 0 4 0!0	31
	1 746		SBR	IXTOP	4		H P55	31
	1 750		MZ	3&X1,TAG1	7	1750	Y 0 3 N71	31
364	1 757		SAR	X1	4	1757	Q 089	31
	1 761	SUBBAK		COUNT	4		B V73	32
	1 765		LCA	CH,2&X1	7		L N72 0 2	32
367	1 772		LCA	1&X3	4	1772	L 0?1	32
	1 776		CW	0&X1	4	1776) 0 0	32
	1 780		MN	v h	1	1780	D	32
	1 781		SAR	X3	4	1781	Q 099	32
	1 785		SBR	X1,26X1	7	1785	·	32 33
372 373	1 792 1 800		BWZ BM	TWOA, TAG1, S TWOA, TAG1	8	1792 1800	V Y36 N71 S V Y36 N71 K	33
	1 800		BWZ		8	1800	V 136 N/1 K V /79 Q29 2	33
375	1 816		BWZ	LOCBRK, SAVTAG, 2 LOCBRK, SAVTAG, B	8	1816	V /79 Q29 Z V /79 Q29 B	33
	1 824		BCE	LOCBRK, PREV, .	8		B /79 Q16 .	34
	1 832		В	MIXED	4		B Y52	34
378	1 836	TWOA	BWZ	LOCBRK, SAVTAG, S	8	1836	V /79 Q29 S	34
	1 844	111011	BM	LOCBRK, SAVTAG	8		V /79 Q29 K	34
380		*					· / · · · E-· · ·	
381		* MIXE	D MODE	ARITHMETIC				
382		*						
383	1 852	MIXED	CS	332	4	1852	/ 332	34
384	1 856		CS		1	1856	/	34
385	1 857		SW	GLOBER	4	1857	, 184	34
386	1 861		MN	SEQNO,241	7	1861	D P61 241	35
387	1 868		MN		1	1868	D	35
	1 869		MN		1	1869	D	35
	1 870		MCW	ERR46	4	1870	M Q67	35
	1 874		W		1	1874	2	35
	1 875		BCV	*&5	5	1875	B Y84 @	35
	1 880		В	*&3	4	1880	В Y86	35
393	1 884		CC	1	2	1884	F 1	36
394	1 886		В	ERRFIN	4	1886	В М47	36
395	1 000	*	ann	VO 106V1	_	1000	11 004 070	0.0
396	1 890 1 897	SUBTWO	SBR BCE	X2,10&X1	7 8	1890	H 094 0/0 B Z12 0!2 \$	36 36
221	1 02/		DCE	*&8,2&X2,\$	Ö	1021	□ □TC 0:C ð	30

		FORTRAN COMPILER ARITH PHASE TWO PHASE 34				PAGE	7
SEQ PG LIN	LABEL OP	OPERANDS	SFX CT	LOCN	INSTRUCTION	TYPE	CARD
398 1 905 399 1 912 400 1 919 401 1 926 402 1 930 403 1 937 404 1 944 405 406 407	* PREV , C	X2,6&X2 IXTOP,*&7 2&X2,0 IXTOP 4&X1,TAG1 X2,X1 SUBBAK DM TABLE IS FOUR CURR *)G&@	7 7 7 4 7 7 4	1905 1912 1919 1926 1930 1937 1944	H 094 0!6 M P55 225 L 0!2 000 H P55 Y 0 4 N71 M 094 089 B X61		36 36 37 37 37 37 37
408 409 1 948 410 1 955 411 1 962 412 1 970 413 1 977 414 415 416	FOUR MCW MZ BCE MZ B * * INDEX FRO* * PREV BLAN*	KN,1&X1 4&X3,TAG1 FIVEB,2&X3,\$ 3&X3,TAG1 FIVEB DM TABLE IS FIVE NK CURR)	7 7 8 7 4	1955 1962 1970	M Q68 0 1 Y 0?4 N71 B J17 0?2 \$ Y 0?3 N71 B J17		37 38 38 38 38
417 418 1 981 419 1 988 420 1 996 421 2 003 422 2 007 423 2 014 424 2 022 425	FIVE MCW BCE MZ FIVEF SW MCW BCE CHAI BCE	3&X1,W2 FIVEC,3&X1,X *-4,TAG1 2&X1 2&X1,*&8 USRFNC,USRCOD,0 IN 11	7 8 7 4 7 8	1988 1996 2003 2007 2014	M 0 3 Q70 B J75 0 3 X Y Z98 N71 , 0 2 M 0 2 !21 B !99 Q82 0	MACRO GEN	38 39 39 39 39 39
426 427 428 429 430 431 432 433 434 435	BCE BCE BCE BCE BCE BCE BCE BCE BCE		1 1 1 1 1 1 1 1	2023 2024 2025 2026 2027 2028 2029 2030 2031 2032	B B B B B B B B	GEN GEN GEN GEN GEN GEN GEN GEN GEN	39 40 40 40 40 40 40 41 41
436 2 033 437 2 040 438 2 048 439 2 055 440 2 063 441 2 071 442 2 078 443 2 083 444 2 091 445 2 099 446 2 106 447 2 113	FIVEA BCE BCE C BE BWZ BMWZ USRFNC MCW CW	4&X3,SAVTAG FIVEA,2&X3,\$ 3&X3,SAVTAG FIVED,2&X1,F FIVED,2&X1,I W2,KAX FIVED MSG28,SAVTAG,S MSG28,SAVTAG 2&X1,1&X1 KLPAR,2&X1 2&X1	7 8 7 8 8 7 5 8 8 7 7 4	2033 2040 2048 2055 2063 2071 2078 2083 2091 2099 2106 2113	Y 0?4 Q29 B !55 0?2 \$ Y 0?3 Q29 B K07 0 2 F B K07 0 2 I C Q70 Q84 B K07 S V K23 Q29 S V K23 Q29 S M 0 2 0 1 M Q85 0 2		41 41 41 42 42 42 42 43 43

			FORTRAN COMPILER ARITH PHASE TWO PHASE 34			PAG	E 8
SEQ PG LIN	LABEL	OP	OPERANDS	SFX CT	LOCN	INSTRUCTION TYPE	CARD
462 2 182 463 2 189 464 2 196 465 2 203 466 2 207	FIVEC	LCA SBR SBR B BWZ	IXTOP, X2 2&X3 1&X1,0&X2 IXTOP COUNT CH,1&X1 1&X3 0&X1 X3 X1,1&X1 LOCBRK FIVEC,TAG1 2&X1,3&X1 X1,1&X1 X3,1&X3 FIVEF USRRNC,SAVTAG,S	7 4 4 7 4 4 1 1 4 7 7 7 7 7	2135 2139 2143 2150 2154 2158 2160 2164 2171 2175 2182 2189 2203 2207	, 0?2 L 0 1 0!0 H P55 B V73 L N72 0 1 L 0?1 D 0 0) D Q 099 H 089 0 1 B /79 Y J75 N71 L 0 2 0 3 H 089 0 1 H 089 0 1 H 099 0?1 B !03 V !99 Q29 S	43 43 44 44 44 44 44 45 45 45 45 46 46
467 2 215 468	*	BM	USRFNC, SAVTAG	8	2215	V !99 Q29 K	46
469 470	* WRON	IG ARGU	JMENT TYPE FOR FUNCTION				
471 2 223 472 2 227 473 2 228 474 2 232 475 2 239 476 2 240 477 2 241 478 2 245 479 2 246 480 2 251 481 2 255	MSG28	CS CS SW MN MN MN MCW W BCV B	332 GLOBER SEQNO,261 ERR28 *&5 *&3	4 1 4 7 1 1 4 1 5 4 2	2227 2228 2232 2239 2240 2241 2245 2246	, 184 D P61 261 D D M O31 2 B K55 @ B K57	46 46 47 47 47 47 47 47 47 47
482 2 257	*	CC B	1 ERRFIN			B M47	48
483 484 485	* SYST	EM ERF	ROR				
	MSG24	CS CS SW MN MN MN MCW W BCV B CC B	332 GLOBER SEQNO,238 ERR24 *&5 *&3 1 ERRFIN	4 1 4 7 1 1 4 1 5 4 2 4	2265 2266 2270 2277 2278 2279 2283 2284 2289 2293	, 184 D P61 238 D D M R20 2 B K93 @ B K95	48 48 48 48 49 49 49 49 49

PAGE 9

						_	
SEQ PG LIN	LABEL	OP	OPERANDS	SFX CT	LOCN	INSTRUCTION TY	PE CARD
498	*						
499		CC OF	# SIGNS				
500			TABLE IS NINE				
501	* PREV		CURR #				
502	* PREV		CURR #				
503	* PREV		CURR #				
504	* PREV		CURR #				
505	* PREV		CURR #				
506			CURR #				
507	* PREV		CURR #				
508	*	,	COLICE II				
509 2 299	MSG26	CS	332	4	2299	/ 332	50
510 2 303		CS			2303		50
511 2 304		SW	GLOBER	4		, 184	50
512 2 308		MN	SEQNO,243	7		D P61 243	50
513 2 315		MN	- '	1	2315	D	50
514 2 316		MN		1	2316	D	50
515 2 317		MCW	ERR26	4		M R60	50
516 2 321		W		1	2321	2	51
517 2 322		BCV	*&5	5	2322	B L31 @	51
518 2 327		В	*&3	4	2327	B L33	51
519 2 331		CC	1	2	2331	F 1	51
520 2 333		В	ERRFIN	4	2333	B M47	51
521	*						
522			KPONENT				
523			TABLE IS EIGHT				
524	* PREV	. CUI	RR .				
525	*						
526 2 337	MSG32		332			/ 332	51
527 2 341		CS			2341		51
528 2 342		SW	GLOBER			, 184	52
529 2 346		MN	SEQNO,243			D P61 243	52
530 2 353		MN			2353		52
531 2 354		MN	EDD 20		2354		52
532 2 355 533 2 359		MCW	ERR32	4	2355	M ?00	52 52
534 2 360		W BCV	*&5	1 5		B L69 @	52
535 2 365		BCV	^&3 *&3	4		B L71	53
536 2 369		CC	1		2369		53
537 2 371		В	ERRFIN	4		B M47	53
538	*	Б	ERREIN	4	23/1	D M4/	55
539		NTHEST	S ERROR				
540			TABLE IS SEVEN				
541	* PREV		CURR GM				
542	* PREV		CURR)				
543			CURR GM				
544	*		**************************************				
545 2 375	MSG16	CS	332	4	2375	/ 332	53
546 2 379		CS		1	2379		53
547 2 380		SW	GLOBER	4		, 184	53

pna	se-34	.33.as	SC	MON JUL 14 23:50:05 2008	10			
				FORTRAN COMPILER ARITH PHASE TWO PHASE 34			PAGI	10
SEQ	PG LIN	LABEL	OP	OPERANDS	SFX CT	LOCN	INSTRUCTION TYPE	CARD
549	2 384 2 391 2 392		MN MN MN	SEQNO,243	1	2384 2391 2392		53 54 54
551	2 393		MCW W	ERR16		2393	M ?40	54 54
	2 398			*&5			B M07 @	54
	2 403		В	*&3			B M09	54
	2 407		CC	1			F 1	54
	2 409	*	В	ERRFIN	4	2409	В М47	55
558			SIDE	IS WRONG				
559				1 TABLE IS SIX				
560 561		* PREV *	GM C	CURR *)%&@. BLANK ,				
	2 413			332	4	2413	/ 332	55
	2 417		CS	01.0D.TD	1	2417	/ , 184 D P61 243	55
	2 418 2 422		SW	GLOBER SEQNO,243	4	2418	, 184 D D61 242	55 55
	2 422		MN MN	3EQNO, 243		2422		55
	2 430		MN			2430		55
568	2 431		MN MCW	ERR25	4	2431	M ?80	56
569	2 435		W				2	56
	2 436		BCV	*&5			B M45 @	56
	2 441		В	*&3			B M47	56
	2 445 2 447	FDDFTM		1 IXTSAV,IXTOP	2	2445	F 1 M P58 P55	56 56
574	2 454	*		RESTRT	4	2454	B N08	56
576			X FROM	4 TABLE IS THREE				
577 578		* PREV	# Ct	JRR G				
	2 458			IXTOP,X2	7	2458	M P55 094	57
	2 465			2&X3	4	2465	, 0?2	57 57 57 57 57
	2 469		LCA	0&X1,0&X2			L 0 0 0!0	57
	2 476 2 480			KEQ X2			L ?81 H 094	57
	2 484		CW	2&X2) 0!2	57
	2 488		CW)	57
586	2 489		SW	2&X1			, 0 2	58
	2 493			0,0&X2			L 000 0!0	58
	2 500		LCA	GM			L N73	58
	2 504 2 508	DECEDE		IXTOP			Н Р55 М Р66 089	58 58
	2 508	KESIKI		SX3B,X1 LOOP			M P66 U89 B 60	58 58
592		*	ь	1001		2313		
		ALMOST	SBR	X1,5&X1 GET BACK ABOVE PREFIX IN LOW CORE	7	2519	H 089 0 5 M P55 099 H 094 0?5	58
594	2 526		MCW	IXTOP,X3	7	2526	M P55 099	59
	2 533			X2,5&X3	7			
	2 540		MCW	SX2,X3	7	2540	M P45 099	59
59/		^						

	FORTRAN COMPILER ARITH PHASE TWO PHASE 34				PAGE	11
SEQ PG LIN LABEL OP	OPERANDS	SFX CT	LOCN	INSTRUCTION	TYPE	CARD
598 2 547 DONE BSS 599 2 552 SBR 600 2 559 LCA 601 2 566 B 602 *	SNAPSH,C CLEARL&3,GMWM ARITH3,PHASID LOADNX	5 7 7 4	2547 2552 2559 2566	B 333 C H 710 ?91 L ?90 110 B 700		59 59 60 60
603 * DATA 604 * 605 2 570 DCW	0.0	1	2570			60
606 2 571 TAG1 DC 607 2 572 CH DC 608 2 573 GM DC	<pre>@<@ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @</pre>	1 1 1			GMARK	60 60 60 62
610 2 631 ERR28 DC 611 2 632 DCW 612 *	@ATEMENT @ @-@		2631 2632			62 62
	OLUMNS OF TABLE ARE INDEXED BY POSITIONS IN EN IN REVERSE ORDER.					
616 2 642 CHARS DCW 617 2 643 TABLE EQU 618 * CU	0, .0&}#%)*0 INTERESTING CHARACTERS? *&1		2642 2643			62
619 2 652 DC 620 2 662 DC 621 2 672 DC	RR *)%#G&@., @220922200S@ * PREV @SSSSSSSS@) @0109700000@ % @0709300000@ # @6660S66666@ GM @020922200S@ &	10 10 10	2652 2662 2672			63 63
622 2 682 DC 623 2 692 DC 624 2 702 DC 625 2 712 DC	@0709300000@ # @6660566666@ GM @020922000S@ & @220922200S@ AT WAS /	10 10 10 10	2682 2692 2702 2712			64 64 65
626 2 722 DC 627 2 732 DC 628 2 742 DC	@220922280S@ . WAS ** @0509700000@ BLANK @440944400S@ , WAS NEGATE	10 10 10	2722 2732 2742			65 65 66
629 2 745 SX2 DCW 630 2 747 CHKX2 DCW 631 2 749 K00 DCW	#3 #2 00	3 2 2	2745 2747 2749			66 66
632 2 752 X2P99 DCW 633 2 755 IXTOP DCW 634 2 758 IXTSAV DCW 635 2 761 SEONO DCW	#3 X2 & X00 - 1 #3 INDEX OF STATEMENT IN TOP CORE #3 #3	3	2752 2755 2758			66 67 67 67
635 2 761 SEQNO DCW 636 2 762 KBRACK DCW 637 2 763 KR DCW 638 2 766 SX3B DCW	#3 @]@ @R@ #3		2761 2762 2763 2766			67 67 67
639 2 802 ERR2 DCW 640 2 814 KB12 DCW 641 2 815 CURR DCW	#12 #12 #1	36 12	2802 2814 2815			68 69 69
642 2 816 PREV DCW 643 2 819 W3 DCW 644 2 820 CHNUM DCW	#1 #3 #1		2816			69 69 69
645 2 823 ACHARS DSA 646 2 824 K1 DCW 647 2 825 KPLUS DCW	CHARS 1 040	3 1 1	2823 2824 2825	042		69 69 70

phase-34.33.asc	Mon Jul 14 23:50:05 2008	12				
	FORTRAN COMPILER ARITH PHASE TWO PHASE 34				PAGE	12
SEQ PG LIN LABEL OP	OPERANDS	SFX CT	LOCN	INSTRUCTION	TYPE	CARD
648 2 828 W3B DCW	#3	3	2828			70
649 2 829 SAVTAG DCW	#1 TYPE TAG ZONE	1	2829			70
650 2 867 ERR46 DCW	@ERROR 46 - MIXING IN ARITH, STATEMENT @	38	2867			71
651 2 868 KN DCW	@N@	1	2868			71
652 2 870 W2 DCW	#2	2	2870			72
653 2 882 USRCOD DCW	@RUPWYZKJLMDH@ CODES FOR USER FUNCTIONS	12	2882			72
654 2 884 KAX DCW	@AX@	2	2884			72
655 2 885 KLPAR DCW	@%@	1	2885			72
656 2 920 ERR24 DCW	@ERROR 24 - SYSTEM ERROR, STATEMENT @	35	2920			73
657 2 960 ERR26 DCW	@ERROR 26 - EXCESS OF # SIGNS, STATEMENT @	40	2960			75
658 3 000 ERR32 DCW	@ERROR 32 - MULTIPLE EXPONENT, STATEMENT @	40	3000			77
659 3 040 ERR16 DCW	@ERROR 16 - PARENTHESIS ERROR, STATEMENT @	40	3040			79
660 3 080 ERR25 DCW	@ERROR 25 - LEFT SIDE INVALID, STATEMENT @	40	3080			81
661 3 081 KEQ DCW	@#@	1	3081			81
662 3 090 ARITH3 DCW	@ARITH TRI@	9	3090			81
663 3 091 GMWM DCW	@ } @	1	3091		GMARK	81
664 ORG	201			0201		
665 203 DSA	LOADDD LOAD ADDRESS FOR CARD-TO-TAPE PROGRAM	3	0203	838		82
666 EX	BEGINN			В 838		83
667 END				/ 000 080		

phase-34.33.asc	Mon Jul 14 23:50:05 2008	13
-----------------	--------------------------	----

			FORTRAN	COMPILE	R ARIT	TH PHASE	TWO PF	IASE 34				PAGE	13
SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
ACHARS	2823	ALMOST	2519	ARITH3	3090	BEGINN	838	CDOVLY	769	CH	2572	CHARS	2642
CHKX2	2747	CHNUM	2820	CLEARL	707	CLRL	929	CLRX	953	COUNT	1573	COUNTX	1599
CURR	2815	DONE	2547	ERR16	3040	ERR2	2802	ERR24	2920	ERR25	3080	ERR26	2960
ERR28	2631	ERR32	3000	ERR46	2867	ERRFIN	2447	FIVE	1981	FIVEA	2055	FIVEB	2117
FIVEC	2175	FIVED	2207	FIVEF	2003	FOUR	1948	GET00	878	GETB	1228	GLOBER	184
GM	2573	GMWM	3091	GOT00	913	GOTB	1244	HALT	1217	HUNT	1291	HUNTL	1303
HUNTX	1343	IFSTMT	1221	IXTOP	2755	IXTSAV	2758	K00	2749	K1	2824	KAX	2884
KB12	2814	KBRACK	2762	KEQ	3081	KLPAR	2885	KN	2868	KPLUS	2825	KR	2763
LINK	2493	LOADDD	838	LOADNX	700	LOCBRK	1179	LOOK	1516	LOOK2	1528	LOOK3	1562
LOOKCH	1539	LOOP	1060	MIXED	1852	MORE	961	MOVEUP	1257	MOVEUX	1287	MSG16	2375
MSG24	2261	MSG25	2413	MSG26	2299	MSG28	2223	MSG32	2337	ONE	1618	PHASID	110
PREV	2816	READY	1153	RESTRT	2508	SAVTAG	2829	SEQNO	2761	SKPSUB	1347	SNAPSH	333
SUBBAK	1761	SUBTWO	1890	SX2	2745	SX3	981	SX3B	2766	TABLE	2643	TAG1	2571
THREE	2458	TWO	1659	TWOA	1836	USRCOD	2882	USRFNC	2099	W2	2870	W3	2819
W3B	2828	WHEW	1381	X1	89	X2	9.4	X2P99	2752	X3	99	ZERO	1603