	C:\Users\Paul\Documents\Projects\B5500\retro-b5500\source\B65SIM\LON	GALG.alg m		C:\Users\Paul\Documents\Projects\B5500\retro-b5500\source\B65SIM\LONGA	LG-NEW.alg m
		· · · · · ·	1	?REMOVE LONGALG/DISK. LONGALG/NEW. NEWSYM/LONGALG	00000100
			2	COMPILE LONGALG/NEW ALGOL LIBRARY	00000200
			3	?ALGOL STACK=1000	00000200
			1 4	?ALGOL FILE TAPE=SYMBOL/ALGOL SERIAL	00000300
			7	?ALGOL FILE NEWTAPE=NEWSYM/LONGALG SERIAL	00000450
			5	?FILE LINE = LINE BACK UP DISK	00000500
			7	?FILE NEWTAPE = "OCRDIMG" TAPE	00000600
			8	?FILE PNCH = PNCH PUNCH	00000700
			9	?DATA CARD	00000700
			10	\$ TAPE CHECK NEW	00000000
1 1	%#####################################	#00001000	11	%#####################################	
2	%	00001010	12	<i>```</i>	00001010
3	% B-5 7 00 ALG OL COMPILER	00001010	13	% THE SECOND COMING OF THE B-5500 LONGALG COMPILER	00001010
4	% MARK XIII.0	00001020	14	% MARK XIII.0	00001020
5	% JULY 15, 1971	00001030	15	% 3 JUNE 2017	00001030
6	% JOE1 15, 1971 %	00001040	16	% 5 30ML 2017	00001040
7	`` `\$##################################		17	。 %####################################	
	<i>`</i> ~************************************			<i>```</i> ##################################	
8 9	% COMMENT###################################	00001070 #00001110	18 19	*COMMENT###################################	00001070 #00001110
10	ERROR MESSAGES			ERROR MESSAGES	
10	EKKUK I'IEDDAGED	00001120	20	EKKUK I'IEDDAGED	00001120
408	501 SEARCHLIB: LIBRARY IDENTIFIER NOT CONTAINED IN DIRECTORY.	00305020	418	501 SEARCHLIB: LIBRARY IDENTIFIER NOT CONTAINED IN DIRECTORY.	00305020
400	502 SEARCHLIB: ILLEGAL LIBRARY START POINT.	00305030	410	502 SEARCHLIB: ILLEGAL LIBRARY START POINT.	00305030
410	503 SEARCHLIB: SEPARATOR REQUIRED BETWEEN START POINT AND LENGTH.	00305040	420		00305040
411	504 SEARCHLIB: ILLEGAL LIBRARY LENGTH.	00305050	421	504 SEARCHLIB: ILLEGAL LIBRARY LENGTH.	00305050
411	505 SEARCHLIB: MISSING BRACKET.	00305060	421	504 SEARCHLIB: ILLEGAL LIDRARY LENGTH. 505 SEARCHLIB: MISSING BRACKET.	00305060
413	SEARCHLIB: MISSING BRACKET.	00305070	422		
	507 SEARCHLIB: TAPE POSITIONING ERROR.				00305070
414		00305080	424		00305080
415	509 IODEC: NON-LITERAL FILE VALUE NOT GLOBAL TO FILE DECL.	00305100	425 426	509 IODEC: NON-LITERAL FILE VALUE NOT GLOBAL TO FILE DECL.	00305100
416) DECTN COMMENT OUTEDWOCK DUCKY	00306000		PECAN COMMENT OUTERMOST BLOCK.	00306000
417	BEGIN COMMENT OUTERMOST BLOCK;	00500000	427	BEGIN COMMENT OUTERMOST BLOCK;	00500000
418	INTEGER ERRORCOUNT; COMMENT NUMBER OF ERROR MSGS. MCP WILL TYPE	00501000	428	INTEGER ERRORCOUNT; COMMENT NUMBER OF ERROR MSGS. MCP WILL TYPE	00501000
597	THE FIRST WORD OF ADDITIONAL INFO CONTAINS THE NUMBER OF	01102000	607	THE FIRST WORD OF ADDITIONAL INFO CONTAINS THE NUMBER OF	01102000
598	DIMENSIONS(IN THE LOW ORDER PART).[40:8]	01102000	608	DIMENSIONS(IN THE LOW ORDER PART).[40:8]	01103000
599	EACH SUCCEEDING WORD CONTAINS INFORMATION ABOUT EACH LOWER	01104000	609	EACH SUCCEEDING WORD CONTAINS INFORMATION ABOUT EACH LOWER	01104000
600	BOUND IN ORDER OF APPEARANCE, ONE WORD FOR EACH LOWER BOUND.	01104000	610	BOUND IN ORDER OF APPEARANCE, ONE WORD FOR EACH LOWER BOUND.	01105000
601	THESE WORDS ARE MADE UP AS FOLLOWS:	01105000	611	THESE WORDS ARE MADE UP AS FOLLOWS:	01106000
001	THESE WORDS ARE PLACE OF AS TOLLOWS.	01100000	612	[22:1] =IF 1, THIS IS THE FINAL ROW OF A LONG ARRAY, WHICH	01106700
			613	WILL REQUIRE DOUBLING OF THE RAW INDEX VALUE AND	01106800
			614		01106900
602	[23:12] =ADD OPERATOR SYLLABLE (0101) OR	01107000	615	[23:12] =ADD OPERATOR SYLLABLE (0101) OR	01107000
603	SUB OPERATOR SYLLABLE (0301) CORRESPONDING	01107000	616	SUB OPERATOR SYLLABLE (0301) CORRESPONDING	01108000
604	RESPECTIVELY TO WHETHER THE LOWER BOUND IS	01109000	617	RESPECTIVELY TO WHETHER THE LOWER BOUND IS	01109000
605	TO BE ADDED TO THE SUBSCRIPT IN INDEXING OR	01110000	618	TO BE ADDED TO THE SUBSCRIPT IN INDEXING OR	01110000
606	SUBTRACTED.	01111000	619	SUBTRACTED.	01111000
000	JUDITACILU.	01111000	1 019	JUDITACILU.	01111000
800	PROCV =14#, COMMENT 16;	01293000	813	PROCV =14#, COMMENT 16:	01293000
801	ARRAYV =15#, COMMENT 17;	01294000	814	ARRAYV =15#, COMMENT 17;	01294000
802	FORMATY =16#, COMMENT 20:	01295000	815	FORMATY =16#, COMMENT 20:	01295000
803	FILEV =17#, COMMENT 21;	01296000	816	FILEV =17#, COMMENT 21;	01296000
804	STREAMV =18#, COMMENT 22;	01297000	817	STREAMV =18#, COMMENT 22;	01297000
805	DEFINEV =19#; COMMENT 23;	01298000	818	DEFINEV =19#, COMMENT 23;	01298000
305		1110000	819	LONGV =20#; COMMENT 24;	01298100
806	DEFINE ADES=0#,LDES=2#,PDES=1#,CHAR=3#;	01299000	820	DEFINE ADES=0#, LDES=2#, PDES=1#, CHAR=3#;	01299000
			821	DEFINE LONGROWSZ=256#; % SIZE OF LONG-ARRAY SEGMENTED ROWS	01299300
807	REAL TIME1;	01300000	822	REAL TIME1;	01300000
808	INTEGER SCRAM:	01301000	823	INTEGER SCRAM;	01301000
809	COMMENT SCRAM CONTAINS THE SCRAMBLE INDEX FOR THE LAST IDENTIFIER	01302000	824		01302000
810	OR RESERVED WORD SCANNED;	01303000	825	OR RESERVED WORD SCANNED;	01303000
811	ARRAY FILEATTRIBUTES[0:30];	01303500	826	ARRAY FILEATTRIBUTES[0:30] ;	01303500
"		2233300	1 520	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0100000
1239	BOOLEAN	01585000	1254	BOOLEAN	01585000
1240	FUNCTOG, COMMENT TELLS WHETHER PROCEDURE BEING DECLARED IS A		1255		01586000
1241	FUNCTION;	01587000	1256	FUNCTION;	01587000
	·			·	

File date: 5/31/2017 8:24:32 AM File size: 993.2 KB (1017060) File size: 1001.5 KB (1025524) File type: WIN TXT File type: WIN TXT

	<pre>C:\Users\Paul\Documents\Projects\B5500\retro-b5500\source\B65SIM\LON</pre>	NGALG.alq m		<pre>C:\Users\Paul\Documents\Projects\B5500\retro-b5500\source\B65SIM\LONGA</pre>	_G-NEW.alg m
1242	P2. COMMENT GENERALY TELLS WHETHER OWN WAS SEEN:	01588000	1257	P2, COMMENT GENERALY TELLS WHETHER OWN WAS SEEN;	01588000
1243	P3, COMMENT TELLS WHETHER SAVE WAS SEEN;	01589000	1258	P3, COMMENT TELLS WHETHER SAVE WAS SEEN;	01589000
12-13	13, COMMENT TEELS MILITIEN SAVE WAS SEEN,	01303000	1259	P5, COMMENT TELLS WHETHER LONG WAS SEEN;	01589600
1244	VONF, COMMENT VALUE OR OWN FIELD OF ELBAT WORD;	01590000	1260	VONF, COMMENT VALUE OR OWN FIELD OF ELBAT WORD;	01590000
1245	FORMALF, COMMENT FORMAL FIELD OF ELBAT WORD;	01591000	1261	FORMALF, COMMENT FORMAL FIELD OF ELBAT WORD;	01591000
1246	PTOG, COMMENT TELLS THAT FORMAL PARAPART IS BEING PROCESSE	;01592000	1262	PTOG, COMMENT TELLS THAT FORMAL PARAPART IS BEING PROCESSD	;01592000
1247	SPECTOG,	01593000	1263	SPECTOG,	01593000
1248	STOPENTRY, COMMENT THIS MAKES THE ENTRY PROCEDURE ENTER ONLY	01594000	1264	STOPENTRY, COMMENT THIS MAKES THE ENTRY PROCEDURE ENTER ONLY	01594000
1487	DI:=LOC DATER; SI:=LOC DATE; SI:=SI+2;	01825000	1503	DI:=LOC DATER; SI:=LOC DATE; SI:=SI+2;	01825000
1488	2(DS:=2 CHR; DS:=LIT"/"); DS:=2 CHR;	01826000	1504	2(DS:=2 CHR; DS:=LIT"/"); DS:=2 CHR;	01826000
1489	END OF DATER;	01827000	1505	END OF DATER;	01827000
1490	H:=TIME1 DIV 216000; MIN:=(TIME1 DIV 3600) MOD 60;	01828000	1506	H:=TIME1 DIV 216000; MIN:=(TIME1 DIV 3600) MOD 60;	01828000
1491	WRITE(LINE[DBL],	01829000	1507	WRITE(LINE[DBL],	01829000
1492	<x22, ",<="" "burroughs="" algol="" b-5700="" compiler="" mark="" td=""><td>01830000</td><th>1508</th><td><pre><x22,"retro-b5500 ",<="" compiler="" longalg="" mark="" pre=""></x22,"retro-b5500></pre></td><td>01830000</td></x22,>	01830000	1508	<pre><x22,"retro-b5500 ",<="" compiler="" longalg="" mark="" pre=""></x22,"retro-b5500></pre>	01830000
1493	"XIII.0"	01831000	1509	"XIII.0"	01831000
1494	," ",A6,"DAY, ",O,", ",I2,":",A2,X1,A1,"M."//>,	01832000	1510	," ",A6,"DAY, ",O,", ",I2,":",A2,X1,A1,"M."//>, TIME(6),DATER(TIME(5)),12 REAL(Q:=H MOD 12=0)+Q,	01832000
1495	TIME(6), DATER(TIME(5)), 12 REAL(Q:=H MOD 12=0)+Q,	01833000	1511	IIME(6), DATER(IIME(5)), 12 REAL(Q:=H MOD 12=0)+Q,	01833000
1496	Q:=MIN MOD 10+(MIN DIV 10) 64,	01834000	1512		01834000
1497	IF H}12 THEN "P" ELSE "A");	01835000	1513		01835000
6919	OCT013000000040000, "3ERF00", OCT0000000012500000,%651		6935	OCT0130000000040000, "3ERF00", OCT0000000012500000,%651 OCT013000000040000, "5GAMMA", OCT0000000012600000,%654 OCT013000000040000, "5LNGAM", OCT0000000012700000,%657 OCT0130000000040000, "3TAN00", OCT0000000011100000,%660 OCT2000000000004050, COMMENT POWERS OF TEN; %663	
6920	OCT013000000040000, "5GAMMA", OCT0000000012600000,%654		6936	OCT013000000040000, "5GAMMA", OCT0000000012600000,%654	
6921	OCT013000000040000, "5LNGAM", OCT0000000012700000,%657		6937	OCT013000000040000, "5LNGAM", OCT0000000012700000,%657	
6922	OCT013000000040000, "3TAN00", OCT0000000011100000,%666		6938	OCT013000000040000, "3TAN00", OCT0000000011100000,%660	
6923	OCT2000000000004050, COMMENT POWERS OF TEN; %663	3 09214430	6939	OCT200000000004050, COMMENT POWERS OF TEN; %663	09214430
			6940	UC10430000240000000, "4LUNGO", %664	09214432
6924	0, COMMENT SORTA ; %664 " "; COMMENT LASTSEQUENCE,LASTSEQROW; %665	09214435	6941	0, COMMENT SORTA ; %666 " " COMMENT LASTSFOLIENCE LASTSFOROW : %667	09214435
6925	" "; COMMENT LASTSEQUENCE, LASTSEQROW; %665	09214440	6942	, COMMENT ENSTSEQUENCE, ENSTSEQUENCE,	
6926	COMMENT NOW LINK THESE ENTRIES INTO STACKHEAD;	09214500	6943	COMMENT NOW LINK THESE ENTRIES INTO STACKHEAD;	09214500
6927 6928	FOR NEXTINFO~512 STEP 2 UNTIL 534,537 STEP 3 UNTIL 546	09214510	6944 6945	FOR NEXTINFO~512 STEP 2 UNTIL 534,537 STEP 3 UNTIL 546 ,567STEP 3UNTIL 603,607STEP 4UNTIL 615,618,621STEP 4UNTIL 629,632,635,	09214510
6928 6929	,567STEP 3UNTIL 603,607STEP 4UNTIL 615,618,621STEP 4UNTIL 629,632,635,639STEP 3UNTIL 660	09214516	6945 6946	0.50/STEP 3UNTIL 603,60/STEP 4UNTIL 615,618,621STEP 4UNTIL 629,632,635,	09214515
6930	DO PUT(TAKE(NEXTINFO)&STACKHEAD[GT2~TAKE(NEXTINFO+1)MOD 125][35:35:13],	09214310	6947	DO PUT(TAKE(NEXTINFO)&STACKHEAD[GT2~TAKE(NEXTINFO+1)MOD 125][35:35:13],	
6931	LASTINFO~STACKHEAD[GT2]~NEXTINFO);	09214530	6948	LASTINFO~STACKHEAD[GT2]~NEXTINFO);	09214530
6932	NEXTINFO ~ LASTINFO ~ LASTSEQROW 256 + LASTSEQUENCE + 1;	09214980	6949	NEXTINFO ~ LASTINFO ~ LASTSEQROW 256 + LASTSEQUENCE + 1;	09214980
6933	BUILDLINE. [45:1]~TRUE ;	09214985	6950	BUILDLINE. [45:1]~TRUE;	09214985
6934	PUTNBUMP(0);	09214990	6951	PUTNBUMP(0);	09214990
8588	THEN M~0	13076000	8605	THEN M~0	
8589					13076000
8590	ELSE J~J+1:K~J: STOPENTRY~NOT SPECTOG:	13077000	8606	ELSE J~J+1:K~J: STOPENTRY~NOT SPECTOG:	13076000 13077000
	ELSE J~J+1;K~J; STOPENTRY~NOT SPECTOG; DO	13077000 13078000	8606 8607	ELSE J~J+1;K~J; STOPENTRY~NOT SPECTOG; DO	13076000 13077000 13078000
8591					13077000
8591 8592	DO BEGIN STOPDEFINE := TRUE ;	13078000 13079000 13079500	8607 8608 8609	DO BEGIN STOPDEFINE := TRUE :	13077000 13078000 13079000 13079500
8591 8592 8593	DO BEGIN STOPDEFINE := TRUE ; STEPIT; J~K;P2-P3~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID);	13078000 13079000 13079500 13080000	8607 8608 8609 8610	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2~P3~P5~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID);	13077000 13078000 13079000 13079500 13080000
8591 8592 8593 8594	DO BEGIN STOPDEFINE := TRUE ; STEPIT; J~K;P2~P3~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID);	13078000 13079000 13079500 13080000 13081000	8607 8608 8609 8610 8611	DO BEGIN STOPDEFINE := TRUE ; STEPIT; J-K;P2-P3-P5-FALSE;GTA1[0]-0; GET7(ACCUM[1],FILID); MULFID-0;TYPE-2; ENTER(FILEID);	13077000 13078000 13079000 13079500 13080000 13081000
8591 8592 8593 8594 8595	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2~P3~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF;	13078000 13079000 13079500 13080000 13081000 13081500	8607 8608 8609 8610 8611 8612	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2~P3~P5~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF;	13077000 13078000 13079000 13079500 13080000 13081000 13081500
8591 8592 8593 8594 8595 8596	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2~P3~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START;	13078000 13079000 13079500 13080000 13081000 13081500 13082000	8607 8608 8609 8610 8611 8612 8613	DO BEGIN STOPDEFINE := TRUE; STEPIT; J-K;P2-P3-P5-FALSE;GTA1[0]-0; GET7(ACCUM[1],FILID); MULFID-0;TYPE-2; ENTER(FILEID); SAVADDRSF-ADDRSF; IF SPECTOG THEN GO TO START;	13077000 13078000 13079000 13079500 13080000 13081000 13081500 13082000
8591 8592 8593 8594 8595 8596 8597	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2-P3~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0);	13078000 13079000 13079500 13080000 13081000 13081500 13082500	8607 8608 8609 8610 8611 8612 8613 8614	DO BEGIN STOPDEFINE := TRUE; STEPIT; J-K;P2~P3~P5~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0);	13077000 13078000 13079000 13079500 13080000 13081000 13081500 13082000 13082500
8591 8592 8593 8594 8595 8596	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2~P3~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO	13078000 13079000 13079500 13080000 13081000 13081500 13082500 13082500 13083000	8607 8608 8609 8610 8611 8612 8613 8614 8615	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2~P3~P5~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO	13077000 13078000 13079000 13079500 13080000 13081000 13081500 13082500 13083500
8591 8592 8593 8594 8595 8596 8597 8598	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2-P3~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0);	13078000 13079000 13079500 13080000 13081000 13081500 13082500 13082500 13083000	8607 8608 8609 8610 8611 8612 8613 8614 8615	DO BEGIN STOPDEFINE := TRUE; STEPIT; J-K;P2-P3-P5-FALSE;GTA1[0]-0; GET7(ACCUM[1],FILID); MULFID-0;TYPE-2; ENTER(FILEID); SAVADDRSF-ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM)	13077000 130778000 13079000 13079500 13080000 13081000 13081500 13082500 13082500 13083000
8591 8592 8593 8594 8595 8596 8597 8598 9016 9017	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2~P3~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM	13078000 13079000 13079500 13080000 13081000 13082000 13082500 13083000 13445000 13446000	8607 8608 8609 8610 8611 8612 8613 8614 8615 9033 9034	DO BEGIN STOPDEFINE := TRUE; STEPIT; J-K;P2-P3-P5-FALSE;GTA1[0]-0; GET7(ACCUM[1],FILID); MULFID-0;TYPE-2; ENTER(FILEID); SAVADDRSF-ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM	13077000 13078000 13079000 13079500 13080000 13081000 13081500 13082000 13082500 13083000
8591 8592 8593 8594 8595 8596 8597 8598 9016 9017 9018	DO BEGIN STOPDEFINE := TRUE; STEPIT; J-K;P2-P3-FALSE;GTA1[0]-0; GET7(ACCUM[1],FILID); MULFID-0;TYPE-2; ENTER(FILEID); SAVADDRSF-ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR;	13078000 13079000 13079500 13080000 13081000 13081500 13082500 13082500 13083000 13445000 13447000	8607 8608 8609 8610 8611 8612 8613 8614 8615 9033 9034 9035	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2~P3~P5~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR;	13077000 130778000 13079900 13079500 13080000 13081000 13081500 13082500 13082500 13083000 13445000 13447000
8591 8592 8593 8594 8595 8596 8597 8598 9016 9017 9018 9019	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2~P3~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN	13078000 13079000 13079500 13080000 13081000 13081500 13082500 13082500 13083000 13445000 13445000 13447000 13447000	8607 8608 8609 8610 8611 8612 8613 8614 8615 9033 9034 9035 9036	DO BEGIN STOPDEFINE := TRUE; STEPIT; J-K;P2-P3-P5-FALSE;GTA1[0]-0; GET7(ACCUM[1],FILID); MULFID-0;TYPE-2; ENTER(FILEID); SAVADDRSF-ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN	13077000 13078000 13079000 13079500 13080000 13081000 13081500 13082500 13083500 13445000 13445000 13447000 13446000 13448000
8591 8592 8593 8594 8595 8596 8597 8598 9016 9017 9018 9019	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2~P3~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINF0,SAVEINFO2;	13078000 13079000 13079500 13080000 13081500 13082500 13082500 13083000 13445000 13446000 13447000 13449000	8607 8608 8609 8610 8611 8612 8613 8614 8615 9033 9034 9035 9036 9037	DO BEGIN STOPDEFINE := TRUE; STEPIT; J-K;P2-P3-P5-FALSE;GTA1[0]-0; GET7(ACCUM[1],FILID); MULFID-0;TYPE-2; ENTER(FILEID); SAVADDRSF-ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINF0,SAVEINF02;	13077000 13078000 13079000 13079500 130800000 13081000 13082000 13082500 13082500 13083000 13445000 13447000 13447000 13447000 13449000
8591 8592 8593 8594 8595 8596 8597 8598 9016 9017 9018 9019 9020 9021	DO BEGIN STOPDEFINE := TRUE; STEPIT; J-K;P2-P3-FALSE;GTA1[0]-0; GET7(ACCUM[1],FILID); MULFID-0;TYPE-2; ENTER(FILEID); SAVADDRSF-ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINFO,SAVEINFO2; BOOLEAN LLITOG,ULITOG;	13078000 13079000 13079500 13081000 13081500 13082500 13082500 13083000 13445000 13447000 13448000 13449000 13449000	8607 8608 8609 8610 8611 8612 8613 8614 8615 9033 9034 9035 9036 9037 9038	DO BEGIN STOPDEFINE := TRUE; STEPIT; J-K;P2-P3-P5-FALSE;GTA1[0]-0; GET7(ACCUM[1],FILID); MULFID-0;TYPE-2; ENTER(FILEID); SAVADDRSF-ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINF0,SAVEINF02; BOOLEAN LLITOG,ULTOG,LONGDIM;	13077000 130778000 130778000 13079500 130880000 13081000 13081500 13082500 13082500 13083000 13445000 13445000 13447000 13447000 13448000 13445000
8591 8592 8593 8594 8596 8596 8597 8598 9016 9017 9018 9019 9020 9021 9022	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2~P3~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINFO,SAVEINFO2; BOOLEAN LLITOG,ULITOG; REAL ADDCON;	13078000 13079000 13079500 13080000 13081000 13081500 13082500 13083000 13445000 13447000 13449000 13449000 13451000	8607 8608 8609 8610 8611 8612 8613 8614 8615 9033 9034 9035 9036 9037 9038 9039	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2~P3~P5~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINFO,SAVEINFO2; BOOLEAN LLITOG,ULITOG,LONGDIM; REAL ADDCON;	13077000 130778000 13079900 13079500 13080000 13081000 13081500 13082500 13083000 13445000 13445000 13445000 13449000 13445000 13450000 13451000
8591 8592 8593 8594 8595 8596 8597 8598 9016 9017 9018 9019 9020 9021 9022 9023	DO BEGIN STOPDEFINE := TRUE ; STEPIT; J~K;P2~P3~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINF0,SAVEINF02; BOOLEAN LLITOG,ULITOG; REAL ADDCON; LABEL CSZ,BETA1,TW0,START,SLB,BETA2;	13078000 13079000 13079500 13080000 13081500 13082500 13082500 13083000 13445000 13446000 13447000 13449000 13450000 13450000 13450000	8607 8608 8609 8610 8611 8612 8613 8614 8615 9033 9034 9035 9037 9038 9039 9040	DO BEGIN STOPDEFINE := TRUE; STEPIT; J-K;P2-P3-P5-FALSE;GTA1[0]-0; GET7(ACCUM[1],FILID); MULFID-0;TYPE-2; ENTER(FILEID); SAVADDRSF-ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINF0,SAVEINF02; BOOLEAN LLITOG,ULITOG,LONGDIM; REAL ADDCON; LABEL CSZ,BETA1,TW0,START,SLB,BETA2;	13077000 13078000 13079000 13079500 13080000 13081500 13082000 13082500 13083000 13445000 13447000 13448000 134450000 13450000 13450000 13450000 13450000 13450000 13450000
8591 8592 8593 8594 8595 8596 8597 8598 9016 9017 9018 9019 9020 9021 9022 9023 9024	DO BEGIN STOPDEFINE := TRUE; STEPIT; J-K;P2-P3-FALSE;GTA1[0]-0; GET7(ACCUM[1],FILID); MULFID-0;TYPE-2; ENTER(FILEID); SAVADDRSF-ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINFO,SAVEINFO2; BOOLEAN LLITOG,ULITOG; REAL ADDCON; LABEL CSZ,BETA1,TWO,START,SLB,BETA2; ARRAYFLAG ~ TRUE;	13078000 13079000 13079500 13080000 13081000 13081500 13082500 13082500 13083000 13445000 13447000 13449000 13445000 13451000 13452000 13452000	8607 8608 8609 8610 8611 8612 8613 8614 8615 9033 9034 9035 9037 9038 9039 9040	DO BEGIN STOPDEFINE := TRUE; STEPIT; J-K;P2-P3-P5-FALSE;GTA1[0]-0; GET7(ACCUM[1],FILID); MULFID-0;TYPE-2; ENTER(FILEID); SAVADDRSF-ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINF0,SAVEINF02; BOOLEAN LLITOG,ULITOG,LONGDIM; REAL ADDCON; LABEL CSZ,BETA1,TW0,START,SLB,BETA2; ARRAYFLAG ~ TRUE;	13077000 13078000 13078000 13079500 13080000 13081000 13081500 13082500 13082500 13445000 13446000 13447000 13448000 13445000 13452000 13452000 13452000 13452000 13452000
8591 8592 8593 8594 8595 8596 8597 8598 9016 9017 9018 9019 9020 9021 9022 9023	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2~P3~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINFO,SAVEINFO2; BOOLEAN LLITOG,ULITOG; REAL ADDCON; LABEL CSZ,BETA1,TWO,START,SLB,BETA2;	13078000 13079000 13079500 13080000 13081500 13082500 13082500 13083000 13445000 13446000 13447000 13449000 13450000 13450000 13450000	8607 8608 8609 8610 8611 8612 8613 8614 8615 9033 9034 9035 9037 9038 9039 9040	DO BEGIN STOPDEFINE := TRUE; STEPIT; J-K;P2-P3-P5-FALSE;GTA1[0]-0; GET7(ACCUM[1],FILID); MULFID-0;TYPE-2; ENTER(FILEID); SAVADDRSF-ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINF0,SAVEINF02; BOOLEAN LLITOG,ULITOG,LONGDIM; REAL ADDCON; LABEL CSZ,BETA1,TW0,START,SLB,BETA2;	13077000 13078000 13079000 13079500 13080000 13081500 13082500 13082500 13445000 13444000 13447000 13449000 13450000 13450000 13450000 13450000 13450000 13450000
8591 8592 8593 8594 8595 8596 8597 8598 9016 9017 9018 9020 9021 9022 9023 9024 9025 9026	DO BEGIN STOPDEFINE := TRUE; STEPIT; J-K;P2-P3-FALSE;GTA1[0]-0; GET7(ACCUM[1],FILID); MULFID-0;TYPE-2; ENTER(FILEID); SAVADDRSF-ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINFO,SAVEINFO2; BOOLEAN LLITOG,ULITOG; REAL ADDCON; LABEL CSZ,BETA1,TWO,START,SLB,BETA2; ARRAYFLAG ~ TRUE; TYPEV-REALARRAYID; IF T1-GTA1[J-J-1]=0 THEN J-J+1	13078000 13079000 13079000 13081000 13081000 13081500 13082500 13082500 13083000 13445000 13447000 13447000 13449000 13451000 13452000 13452000 13453000 13453000 13453000 13453000	8607 8608 8609 8610 8611 8612 8613 8614 9033 9035 9036 9037 9038 9039 9040 9041 9042	DO BEGIN STOPDEFINE := TRUE; STEPIT; J-K;P2-P3-P5-FALSE;GTA1[0]-0; GET7(ACCUM[1],FILID); MULFID-0;TYPE-2; ENTER(FILEID); SAVADDRSF-ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINF0,SAVEINF02; BOOLEAN LLITOG,ULITOG,LONGDIM; REAL ADDCON; LABEL CSZ,BETA1,TW0,START,SLB,BETA2; ARRAYFLAG ~ TRUE; TYPEV-REALARRAYID; IF T1-GTA1[J-J-1]=0 THEN J-J+1	13077000 13078000 13078000 13079500 13080000 13081000 13081500 13082500 13082500 13083000 13445000 13446000 13448000 13445000 13450000 13451000 13452100 13453000 13453000 13453000 13453000 13453000
8591 8592 8593 8594 8595 8596 8597 8598 9016 9017 9018 9020 9021 9022 9023 9024 9025 9026	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2~P3~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINFO,SAVEINFO2; BOOLEAN LLITOG,ULITOG; REAL ADDCON; LABEL CSZ,BETA1,TWO,START,SLB,BETA2; ARRAYFLAG~TRUE; TYPEV~REALARRAYID; IF T1~GTA1[J~J-1]=0 THEN J~J+1 BEGIN	13078000 13079000 13079000 13080000 13081000 13082000 13082500 13083000 13445000 13447000 13448000 13449000 13451000 13452000 13452000 13452000 13453000 13453000 13453000	8607 8608 8609 8610 8611 8612 8613 8614 8615 9034 9035 9036 9037 9039 9040 9041 9042 9043	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2~P3~P5~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID-0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINFO,SAVEINFO2; BOOLEAN LLITOG,ULITOG,LONGDIM; REAL ADDCON; LABEL CSZ,BETA1,TWO,START,SLB,BETA2; ARRAYFLAG~TRUE; TYPEV~REALARRAYID; IF T1~GTA1[J~J-1]=0 THEN J~J+1 BEGIN	13077000 13078000 13078000 13079500 13080000 13081000 13081500 13082500 13083000 13445000 13445000 13445000 13452000 13452000 13452000 13452000 13452000 13453000 13453000 13453000 13453000
8591 8592 8593 8594 8595 8596 8597 8598 9016 9017 9018 9019 9020 9021 9022 9023 9024 9025 9026	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2~P3~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINFO,SAVEINFO2; BOOLEAN LLITOG,ULITOG; REAL ADDCON; LABEL CSZ,BETA1,TWO,START,SLB,BETA2; ARRAYFLAG ~ TRUE; TYPEV-REALARRAYID; IF T1~GTA1[J~J-1]=0 THEN J~J+1 BEGIN P3~TRUE;	13078000 13079000 13079000 13080000 13081000 13081500 13082500 13082500 13083000 13445000 13446000 13449000 13450000 13451000 13452100 13452100 13453000 13454000 13454000	8607 8608 8609 8610 8611 8612 8613 8614 8615 9033 9034 9036 9037 9038 9039 9040 9041 9041 9043	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2~P3~P5~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINFO,SAVEINFO2; BOOLEAN LLITOG,ULITOG,LONGDIM; REAL ADDCON; LABEL CSZ,BETA1,TWO,START,SLB,BETA2; ARRAYFLAG ~ TRUE; TYPEV~REALARRAYID; IF T1~GTA1[J~J-1]=0 THEN J~J+1 BEGIN P3~TRUE;	13077000 13078000 13079000 13079500 130800000 13081500 13082000 13082500 13083000 13445000 13447000 13448000 13450000 13452100 13452100 13452100 13453000 13453000 13453000 13453000 13453000 13453000 13453000 13453000 13453000 13453000 13453000 13453000
8591 8593 8594 8595 8596 8596 8597 8598 9016 9017 9018 9019 9020 9021 9022 9023 9024 9025 9026	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2~P3~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINFO,SAVEINFO2; BOOLEAN LLITOG,ULITOG; REAL ADDCON; LABEL CSZ,BETA1,TWO,START,SLB,BETA2; ARRAYFLAG ~ TRUE; TYPEV~REALARRAYID; IF T1~GTA1[J~J~1]=0 THEN J~J+1 BEGIN P3~TRUE; IF SPECTOG THEN	13078000 13079000 13079000 13081000 13081000 13081500 13082500 13082500 13445000 13445000 13447000 13448000 13451000 13451000 13451000 13453000 13453000 13453000 13453000 13453000 13455000	8607 8608 8609 8610 8611 8612 8613 8614 8615 9034 9035 9036 9037 9039 9040 9041 9042 9043	DO BEGIN STOPDEFINE := TRUE; STEPIT; J-K;P2-P3-P5-FALSE;GTA1[0]-0; GET7(ACCUM[1],FILID); MULFID-0;TYPE-2; ENTER(FILEID); SAVADDRSF-ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINF0,SAVEINF02; BOOLEAN LLITOG,ULITOG,LONGDIM; REAL ADDCON; LABEL CSZ,BETA1,TW0,START,SLB,BETA2; ARRAYFLAG ~ TRUE; TYPEV-REALARRAYID; IF T1-GTA1[J-J-1]=0 THEN J-J+1 BEGIN P3-TRUE; IF SPECTOG THEN	13077000 13078000 13079000 13079500 13080000 13081000 13081500 13082500 13083000 13445000 13445000 13445000 13452000 13452000 13452000 13452000 13452000 13453000 13453000 13453000 13453000
8591 8593 8594 8595 8596 8597 8598 9016 9017 9019 9020 9021 9023 9024 9025 9026 9035 9036 9037	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2~P3~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINFO,SAVEINFO2; BOOLEAN LLITOG,ULITOG; REAL ADDCON; LABEL CSZ,BETA1,TWO,START,SLB,BETA2; ARRAYFLAG ~ TRUE; TYPEV-REALARRAYID; IF T1~GTA1[J~J-1]=0 THEN J~J+1 BEGIN P3~TRUE;	13078000 13079000 13079000 13080000 13081000 13081500 13082500 13082500 13083000 13445000 13446000 13449000 13450000 13451000 13452100 13452100 13453000 13454000 13454000	8607 8608 8609 8610 8611 8612 8613 8614 9033 9034 9035 9036 9037 9041 9042 9042 9043 9042 9043	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2~P3~P5~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINFO,SAVEINFO2; BOOLEAN LLITOG,ULITOG,LONGDIM; REAL ADDCON; LABEL CSZ,BETA1,TWO,START,SLB,BETA2; ARRAYFLAG ~ TRUE; TYPEV~REALARRAYID; IF T1~GTA1[J~J-1]=0 THEN J~J+1 BEGIN P3~TRUE;	13077000 13078000 13079000 13079500 13080000 13081500 13081500 13082500 13082500 13445000 13445000 13447000 13448000 13451000 13452100 13452100 13453000 13454000 13453000 13454000
8591 8593 8594 8595 8596 8597 8598 9016 9017 9018 9029 9021 9022 9023 9024 9025 9026 9035 9036 9037 9038	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2~P3~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID~0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINFO,SAVEINFO2; BOOLEAN LLITOG,ULITOG; REAL ADDCON; LABEL CSZ,BETA1,TWO,START,SLB,BETA2; ARRAYFLAG ~ TRUE; TYPEV~REALARRAYID; IF T1~GTA1[J~J-1]=0 THEN J~J+1 BEGIN P3-TRUE; IF SPECTOG THEN FLAG(014)	13078000 13079000 13079000 13081000 13081000 13081500 13082500 13083000 13445000 13445000 13447000 13448000 13451000 13452100 13452000 13452100 13453000 13463000 13463000 13465000	8607 8608 8609 8610 8611 8612 8613 8614 9035 9034 9035 9036 9037 9038 9040 9041 9042 9043 9052 9053 9053 9053	DO BEGIN STOPDEFINE := TRUE; STEPIT; J~K;P2~P3~P5~FALSE;GTA1[0]~0; GET7(ACCUM[1],FILID); MULFID-0;TYPE~2; ENTER(FILEID); SAVADDRSF~ADDRSF; IF SPECTOG THEN GO TO START; EMITO(MKS);EMITL(0);EMITL(0); IF ELCLASS=LITNO LITC SAVON (SAVE OWN LITERAL FOR COM) COM DESC XITR; BEGIN REAL T1,T2,T3,K,LBJ,ARPROGS,SAVEDIM,T,T4,SAVEINFO,SAVEINFO2; BOOLEAN LLITOG,ULITOG,LONGDIM; REAL ADDCON; LABEL CSZ,BETA1,TWO,START,SLB,BETA2; ARRAYFLAG ~ TRUE; TYPEV~REALARRAYID; IF T1~GTA1[J~J-1]=0 THEN J~J+1 BEGIN P3~TRUE; IF SPECTOG THEN FLAG(014)	13077000 130778000 130778000 13079500 13079500 13080000 13081000 13081500 13082500 13083000 13445000 13446000 13447000 13448000 13451000 13452000 13452000 13452000 13453000 13453000 13453000 13453000 13453000 13453000 13463000 13463000 13465000 13465000

	<pre>C:\Users\Paul\Documents\Projects\B5500\retro-b5500\source\B65SIM\LON</pre>	IUALU. aty III		<pre>C:\Users\Paul\Documents\Projects\B5500\retro-b5500\source\B65SIM\LONGAL</pre>	_G-NEW.alg m
			9059	P5~TRUE;	13467300
			9060	END	13467400
040	FLSE	13468000	9061		13468000
41	TYPEV ~REALID+T1;	13469000	9062		13469000
12		13470000	9063		13470000
	IF NOT SPECTOG THEN EMITO(MKS); SAVEINFO~NEXTINFO;				
3	<pre>ENTER(TYPEV); SAVEINF02~NEXTINF0~NEXTINF0+1;</pre>	13471000	9064		13471000
4	BETA1:	13472000	9065	BETA1:	13472000
4	END;	13522000	9115	END;	13522000
5	ULITOG~FALSE;	13523000	9116		13523000
6	AEXP:	13524000	9117		13524000
7					
	EMITL(JUNK);	13525000	9118		13525000
3	EMITO(ISN);	13526000	9119		13526000
			9120		13527000
			9121	LONGDIM:= P5 AND TABLE(I)=RTBRKET; % LAST DIM OF LONG ARRAY	13527100
9	CSZ: IF LLITOG AND ULITOG THEN	13527 0 00	9122	IF LLITOG AND ULITOG THEN	13527 2 00
	BEGIN	13528000	9123		13528000
L	L~ARPROGS;	13529000	9124		13529000
2	IF(T~IF ADDCON=ADDC THEN T4+T3+1 ELSE	135 300 00	9125		135 295 00
			9126		13529600
			9127	IF T{0 THEN FLAG(59);	13529700
			9128		13529800
3	T4-T3+1){0 OR T>1023 THEN FLAG(59);	13531000	9129		13529900
1	14-13-17/0 OK 151053 THEN FLAG(33)	13331000			13530000
			9130		
			9131		13530100
			9132		13530200
			9133	ELSE	13530300
			9134	BEGIN	13530400
			9135	% FOR A LONG ARRAY, DOUBLE THE SIZE OF	
			9136	% THE LAST DIMENSION AND SPLIT IT INTO	
			9137		13530700
			9138	T~(2 T+LONGROWSZ-1) DIV LONGROWSZ;	13530800
			9139	EMITL(T); % # ROWS	13530900
			9140	EMITL(LONGROWSZ); % FINAL ROW SIZE	13531000
4	EMITL(T);	13531100	9141		13531100
7		13331100	9142		13531100
			9143		13531300
-	TE DO THEN DECTN CAVEDIN CAVEDINIT		9144		13531400
5			9145	IF P3 THEN BEGIN SAVEDIM~SAVEDIM T;	13532000
	<pre>IF P3 THEN BEGIN SAVEDIM~SAVEDIM T;</pre>	13532000			
	IF SAVEDIM>MAXSAVE	13533000	9146	IF SAVEDIM>MAXSAVE	13533000
				IF SAVEDIM>MAXSAVE	13533000 13534000
7	IF SAVEDIM>MAXSÅVË THEN MAXSAVE~SAVEDIM	13533000 13534000	9146 9147	IF SAVEDIM>MAXSÁVÉ THEN MAXSAVE~SAVEDIM	13534000
7	IF SAVEDIM>MAXSAVE THEN MAXSAVE~SAVEDIM END	13533000 13534000 13535000	9146 9147 9148	IF SAVEDIM>MAXSÅVË THEN MAXSAVE~SAVEDIM END	13534000 13535000
7 8	IF SAVEDIM>MAXSÅVË THEN MAXSAVE~SAVEDIM	13533000 13534000	9146 9147	IF SAVEDIM>MAXSÅVË THEN MAXSAVE~SAVEDIM END	13534000
7 3 9	IF SAVEDIM>MAXSAVE THEN MAXSAVE~SAVEDIM END	13533000 13534000 13535000	9146 9147 9148	IF SAVEDIM>MAXSÅVE THEN MAXSAVE~SAVEDIM END ELSE	13534000 13535000
7 3 9 3	IF SAVEDIM⊳MAXSÁVÉ THEN MAXSAVE~SAVEDIM END ELSE	13533000 13534000 13535000 13536000	9146 9147 9148 9149	IF SAVEDIM>MAXSAVE THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0)	13534000 13535000 13536000
7 3 9 3 1	IF SAVEDIM≻MAXSÁVÉ THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2	13533000 13534000 13535000 13536000 13540000 13541000	9146 9147 9148 9149 9153 9154	IF SAVEDIM>MAXSAVE THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2	13534000 13535000 13536000 13540000 13541000
	IF SAVEDIM>MAXSAVE THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN	13533000 13534000 13535000 13536000 13540000 13541000 13542000	9146 9147 9148 9149 9153 9154 9155	IF SAVEDIM>MAXSAVE THEN MAXSAVE-SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN	13534000 13535000 13536000 13540000 13541000 13542000
	IF SAVEDIM>MAXSAVE THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN	13533000 13534000 13535000 13536000 13540000 13541000 13542000 13543000	9146 9147 9148 9149 9153 9154 9155 9156	IF SAVEDIM>MAXSAVE THEN MAXSAVE-SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN	13534000 13535000 13536000 13540000 13541000 13542000 13543000
33	IF SAVEDIM≻MAXSÁVÉ THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH);EMITO(SUB)	13533000 13534000 13535000 13536000 13540000 13541000 13542000 13542000 13544000	9146 9147 9148 9149 9153 9154 9155 9156 9157	IF SAVEDIM>MAXSAVE THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB)	13534000 13535000 13536000 13540000 13541000 13542000 13543000 13544000
33	IF SAVEDIM>MAXSAVE THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN	13533000 13534000 13535000 13536000 13540000 13541000 13542000 13543000	9146 9147 9148 9149 9153 9154 9155 9156 9157 9158	IF SAVEDIM>MAXSAVE THEN MAXSAVE—SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMIT(1); EMITO(ADD);	13534000 13535000 13536000 13540000 13541000 13542000 13543000 13544000 13545000
	IF SAVEDIM≻MAXSÁVÉ THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH);EMITO(SUB)	13533000 13534000 13535000 13536000 13540000 13541000 13542000 13542000 13544000	9146 9147 9148 9149 9153 9154 9155 9156 9157 9158 9159	IF SAVEDIM>MAXSAVE THEN MAXSAVE—SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITL(1); EMITO(ADD); IF LONGOIM THEN	13534000 13535000 13536000 13540000 13541000 13542000 13543000 13544000 13545000 13545100
	IF SAVEDIM≻MAXSÁVÉ THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH);EMITO(SUB)	13533000 13534000 13535000 13536000 13540000 13541000 13542000 13542000 13544000	9146 9147 9148 9149 9153 9154 9155 9156 9157 9158	IF SAVEDIM>MAXSAVE THEN MAXSAVE—SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITL(1); EMITO(ADD); IF LONGOIM THEN	13534000 13535000 13536000 13540000 13541000 13542000 13543000 13544000 13545000
	IF SAVEDIM≻MAXSÁVÉ THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH);EMITO(SUB)	13533000 13534000 13535000 13536000 13540000 13541000 13542000 13542000 13544000	9146 9147 9148 9149 9153 9154 9155 9156 9157 9158 9159 9160	IF SAVEDIM>MAXSAVE THEN MAXSAVE—SAVEDIM ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMIT(1); EMITO(ADD); IF LONGDIM THEN BEGIN BEGIN	13534000 13535000 13536000 13540000 13541000 13542000 13543000 13544000 13545000 13545000 13545000 13545200
	IF SAVEDIM≻MAXSÁVÉ THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH);EMITO(SUB)	13533000 13534000 13535000 13536000 13540000 13541000 13542000 13542000 13544000	9146 9147 9148 9149 9153 9154 9155 9156 9157 9158 9159 9160 9161	IF SAVEDIM>MAXSAVE THEN MAXSAVE-SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITL(1); EMITO(ADD); IF LONGDIM THEN BEGIN EMITO(DUP);	13534000 13535000 13536000 13540000 13541000 13542000 13543000 13544000 13545100 13545100 13545200 13545200 13545200
_	IF SAVEDIM≻MAXSÁVÉ THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH);EMITO(SUB)	13533000 13534000 13535000 13536000 13540000 13541000 13542000 13542000 13544000	9146 9147 9148 9149 9153 9154 9155 9156 9157 9158 9159 9160 9161	IF SAVEDIM>MAXSAVE THEN MAXSAVE-SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITL(1); EMITO(ADD); IF LONGDIM THEN BEGIN BEGIN EMITO(DIP); EMITO(DIP); EMITO(ADD); % DOUBLE THE SIZE	13534000 13535000 13536000 13540000 13541000 13542000 13543000 13544000 13545000 13545100 13545200 13545200 13545200 13545200 13545200
_	IF SAVEDIM≻MAXSÁVÉ THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH);EMITO(SUB)	13533000 13534000 13535000 13536000 13540000 13541000 13542000 13542000 13544000	9146 9147 9148 9149 9153 9154 9155 9156 9157 9158 9159 9160 9161 9162	IF SAVEDIM>MAXSAVE THEN MAXSAVE—SAVEDIM ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITL(1); EMITO(ADD); IF LONGDIM THEN BEGIN EMITO(DUP); EMITO(DUP); EMITO(DUP); EMITO(DUP); EMITO(DUP); EMITO(DUP); EMITO(LONGROWSZ-1);	13534000 13535000 13536000 13540000 13541000 13542000 13543000 13544000 13545000 13545200 13545300 13545300 13545300 13545300
_	IF SAVEDIM≻MAXSÁVÉ THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH);EMITO(SUB)	13533000 13534000 13535000 13536000 13540000 13541000 13542000 13542000 13544000	9146 9147 9148 9149 9153 9154 9155 9156 9157 9158 9159 9160 9161 9162 9163 9164	IF SAVEDIM-MAXSAVE THEN MAXSAVE-SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITO(XCH); EMITO(ADD); IF LONGDIM THEN BEGIN EMITO(DUP); EMITO(ADD); % DOUBLE THE SIZE EMITO(ADD); % ROUND UP TO LONGROWSZ	13534000 13535000 13536000 13540000 13541000 13542000 13543000 13545000 13545100 13545100 13545200 13545200 13545500 13545500 13545500
_	IF SAVEDIM≻MAXSÁVÉ THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH);EMITO(SUB)	13533000 13534000 13535000 13536000 13540000 13541000 13542000 13542000 13544000	9146 9147 9148 9149 9153 9154 9155 9156 9157 9168 9161 9162 9163 9164 9165	IF SAVEDIM-MAXSAVE THEN MAXSAVE-SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITL(1); EMITO(ADD); IF LONGDIM THEN BEGIN BEGIN EMITO(DUP); EMITO(DUP); EMITO(ADD); % DOUBLE THE SIZE EMITL(LONGROWSZ-1); EMITO(ADD); % ROUND UP TO LONGROWSZ EMITL(LONGROWSZ);	13534000 13535000 13536000 13540000 13541000 13542000 13543000 13545000 13545100 13545200 13545200 13545200 13545500 13545500 13545500 13545500
_	IF SAVEDIM≻MAXSÁVÉ THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH);EMITO(SUB)	13533000 13534000 13535000 13536000 13540000 13541000 13542000 13542000 13544000	9146 9147 9148 9149 9153 9154 9155 9156 9157 9158 9159 9160 9161 9162 9163 9164	IF SAVEDIM-MAXSAVE THEN MAXSAVE-SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITL(1); EMITO(ADD); IF LONGDIM THEN BEGIN BEGIN EMITO(DUP); EMITO(DUP); EMITO(ADD); % DOUBLE THE SIZE EMITL(LONGROWSZ-1); EMITO(ADD); % ROUND UP TO LONGROWSZ EMITL(LONGROWSZ);	13534000 13535000 13536000 13540000 13541000 13542000 13543000 13545000 13545100 13545100 13545200 13545200 13545500 13545500 13545500
_	IF SAVEDIM≻MAXSÁVÉ THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH);EMITO(SUB)	13533000 13534000 13535000 13536000 13540000 13541000 13542000 13542000 13544000	9146 9147 9148 9149 9153 9154 9155 9156 9157 9158 9160 9161 9162 9163 9164 9165 9165	IF SAVEDIM-MAXSAVE THEN MAXSAVE-SAVEDIM ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITL(1); EMITO(ADD); IF LONGOM THEN BEGIN EMITO(DUP); EMITO(DUP); EMITO(DUP); EMITO(ADD); % DOUBLE THE SIZE EMITL(LONGROWSZ-1); EMITO(ADD); % ROUND UP TO LONGROWSZ EMITL(LONGROWSZ); EMITO(IDV); % # ROWS	13534000 13535000 13536000 13540000 13541000 13542000 13543000 13543000 13545000 13545200 13545200 13545300 13545500 13545500 13545500 13545550 13545550
	IF SAVEDIM≻MAXSÁVÉ THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH);EMITO(SUB)	13533000 13534000 13535000 13536000 13540000 13541000 13542000 13542000 13544000	9146 9147 9148 9149 9153 9154 9155 9156 9157 9168 9161 9162 9163 9164 9165 9166	IF SAVEDIM>MAXSAVE THEN MAXSAVE-SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITO(XCH); EMITO(ADD); IF LONGDIM THEN BEGIN EMITO(DUP); EMITO(ADD); & DOUBLE THE SIZE EMITL(LONGROWSZ-1); EMITO(ADD); % ROUND UP TO LONGROWSZ EMITL(LONGROWSZ); EMITO(IDV); % # ROWS EMITL(LONGROWSZ); % FINAL ROW SIZE	13534000 13535000 13536000 13540000 13541000 13542000 13543000 13545000 13545100 13545100 13545200 13545500 13545500 13545600 13545600 13545600 13545600 13545600
33 33 4 55 55 7 38	IF SAVEDIM>MAXSAVE THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITL(1); EMITO(ADD)	13533000 13534000 13535000 13536000 13540000 13541000 13542000 13543000 13544000 13545000	9146 9147 9148 9149 9153 9154 9155 9156 9157 9158 9159 9160 9161 9162 9163 9164 9165 9166 9166	IF SAVEDIM-MAXSAVE THEN MAXSAVE-SAVEDIM ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITL(1); EMITO(ADD); IF LONGDIM THEN BEGIN EMITO(DUP); EMITO(ADD); % DOUBLE THE SIZE EMITL(LONGROWSZ-1); EMITO(ADD); % ROUND UP TO LONGROWSZ EMITL(LONGROWSZ); EMITO(IDV); % # ROWS EMITL(LONGROWSZ); % FINAL ROW SIZE END;	13534000 13535000 13536000 13540000 13542000 13542000 13543000 13545000 13545000 13545200 13545200 13545200 13545500 13545500 13545500 13545500 13545500 13545500 13545500 13545500 13545600 13545600 13545600 13545600 13545600
	IF SAVEDIM≻MAXSÁVÉ THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH);EMITO(SUB)	13533000 13534000 13535000 13536000 13540000 13541000 13542000 13542000 13544000	9146 9147 9148 9149 9153 9154 9155 9156 9157 9168 9161 9162 9163 9164 9167 9168 9169	IF SAVEDIM-MAXSAVE THEN MAXSAVE-SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMIT(1); EMITO(ADD); IF LONGOM THEN BEGIN EMITO(DUP); EMITO(DUP); EMITO(ADD); % DOUBLE THE SIZE EMITL(LONGROWSZ-1); EMITO(ADD); % ROUND UP TO LONGROWSZ EMITL(LONGROWSZ); EMITO(IDV); % # ROWS EMITL(LONGROWSZ); % FINAL ROW SIZE END; END;	13534000 13535000 13536000 13540000 13541000 13542000 13543000 13545000 13545100 13545200 13545200 13545200 13545500 13545500 13545500 13545500 13545500 13545500 13545500 13545600 13545700 13545700 13545700 13545700
33 33 4 55 55 7 38	IF SAVEDIM>MAXSAVE THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITL(1); EMITO(ADD)	13533000 13534000 13535000 13536000 13540000 13541000 13542000 13543000 13544000 13545000	9146 9147 9148 9149 9153 9155 9156 9157 9158 9160 9161 9162 9163 9164 9165 9166 9167 9168 9169	IF SAVEDIM-MAXSAVE THEN MAXSAVE-SAVEDIM ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITO(ADD); IF LONGDIM THEN BEGIN EMITO(DUP); EMITO(DUP); EMITO(DUP); EMITO(ADD); % DOUBLE THE SIZE EMITL(LONGROWSZ-1); EMITO(ADD); % ROUND UP TO LONGROWSZ EMITL(LONGROWSZ); EMITO(IODV); % # ROWS EMITL(LONGROWSZ); % FINAL ROW SIZE END; SLB: % IF LAST DIM OF LONG ARRAY, SET BIT 22 IN INFO DIMENSION WORD	13534000 13535000 13536000 13540000 13541000 13542000 13543000 13545000 13545100 13545100 13545200 13545500 13545500 13545600 13545600 13545600 13545600 13545800 13545800 13545800 1354700
33 33 4 55 55 7 38	IF SAVEDIM>MAXSAVE THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITL(1); EMITO(ADD)	13533000 13534000 13535000 13536000 13540000 13541000 13542000 13543000 13544000 13545000	9146 9147 9148 9149 9153 9154 9155 9156 9157 9168 9161 9162 9163 9164 9167 9168 9169	IF SAVEDIM-MAXSAVE THEN MAXSAVE-SAVEDIM ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITO(ADD); IF LONGDIM THEN BEGIN EMITO(DUP); EMITO(DUP); EMITO(DUP); EMITO(ADD); % DOUBLE THE SIZE EMITL(LONGROWSZ-1); EMITO(ADD); % ROUND UP TO LONGROWSZ EMITL(LONGROWSZ); EMITO(IODV); % # ROWS EMITL(LONGROWSZ); % FINAL ROW SIZE END; SLB: % IF LAST DIM OF LONG ARRAY, SET BIT 22 IN INFO DIMENSION WORD	13534000 13535000 13536000 13540000 13541000 13542000 13543000 13545000 13545100 13545200 13545200 13545200 13545500 13545500 13545500 13545500 13545500 13545500 13545500 13545600 13545700 13545700 13545700 13545700
33 34 4 55 57 33	IF SAVEDIM>MAXSAVE THEN MAXSAVE~SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITL(1); EMITO(ADD)	13533000 13534000 13535000 13536000 13540000 13541000 13542000 13543000 13544000 13545000	9146 9147 9148 9149 9153 9155 9156 9157 9158 9160 9161 9162 9163 9164 9165 9166 9167 9168 9169	IF SAVEDIM-MAXSAVE THEN MAXSAVE THEN MAXSAVE THEN MAXSAVE-SAVEDIM ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITO(XCH); EMITO(ADD); IF LONGDIM THEN BEGIN EMITO(DUP); EMITO(ADD); % DOUBLE THE SIZE EMITO(ADD); % ROUND UP TO LONGROWSZ EMITL(LONGROWSZ-1); EMITO(ADD); % ROUND UP TO LONGROWSZ EMITL(LONGROWSZ); EMITO(IDV); % # ROWS EMITL(LONGROWSZ); EMITO(IDV); % # FINAL ROW SIZE END; SLB: % IF LAST DIM OF LONG ARRAY, SET BIT 22 IN INFO DIMENSION WORD PUTNBUMP(TZ & REAL(LONGDIM)[22:47:1]);	13534000 13535000 13536000 13540000 13541000 13542000 13543000 13545000 13545100 13545100 13545200 13545500 13545500 13545600 13545600 13545600 13545600 13545800 13545800 13545800 1354700
77 33 33 34 4 55 55 77 33 3	IF SAVEDIM>MAXSAVE END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITL(1); EMITO(ADD) END; END; SLB:PUTNBUMP(T2); LBJ~LBJ+1; IF T~TABLE(I)=COMMA THEN GO TO TWO	13533000 13534000 13535000 13536000 13541000 13542000 13542000 13544000 13545000	9146 9147 9148 9149 9153 9154 9155 9156 9157 9160 9161 9162 9163 9164 9165 9166 9167 9168 9169 9170	IF SAVEDIM-MAXSAVE THEN MAXSAVE—SAVEDIM ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITL(1); EMITO(ADD); IF LONGOIM THEN BEGIN EMITO(DUP); EMITO(ADD); % DOUBLE THE SIZE EMITL(LONGROWSZ-1); EMITO(ADD); % ROUND UP TO LONGROWSZ EMITL(LONGROWSZ); EMITO(IDV); % # ROWS EMITL(LONGROWSZ); % FINAL ROW SIZE END; SLB: % IF LAST DIM OF LONG ARRAY, SET BIT 22 IN INFO DIMENSION WORD PUTNBUMP(T2 & REAL(LONGDIM)[22:47:1]); LBJ-LBJ+LJFT T-TABLE(I)=COMMA THEN GO TO TWO	13534000 13535000 13536000 13540000 13541000 13542000 13543000 13545000 13545100 13545200 13545200 13545500 13545500 13545500 13545500 13545500 13545500 13545500 13545600 13545600 1354700 1354700 13547000 13547000 13547000
33 33 4 55 55 7 33 4 5 5 5 5 7 5 5 6 7 7 5 6 7 7 7 7 7 7 7 7	IF SAVEDIM>MAXSAVE END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITL(1); EMITO(ADD) END; END; SLB:PUTNBUMP(T2); LBJ~LBJ+1; IF T~TABLE(I)=COMMA THEN GO TO TWO ELSE	13533000 13534000 13535000 13536000 13541000 13542000 13542000 13543000 13545000 13545000	9146 9147 9148 9149 9153 9155 9156 9157 9158 9159 9160 9161 9162 9163 9164 9165 9166 9167 9168 9170 9170	IF SAVEDIM-MAXSAVE THEN MAXSAVE-SAVEDIM ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITO(XCH); EMITO(ADD); IF LONGDIM THEN BEGIN EMITO(DUP); EMITO(DUP); EMITO(ADD); % DOUBLE THE SIZE EMITL(LONGROWSZ-1); EMITO(ADD); % ROUND UP TO LONGROWSZ EMITL(LONGROWSZ); EMITO(IDV); % # ROWS EMITL(LONGROWSZ); % FINAL ROW SIZE END; SLB: % IF LAST DIM OF LONG ARRAY, SET BIT 22 IN INFO DIMENSION WORD PUTNBUMP(T2 & REAL(LONGDIM)[22:47:1]); LBJ~LBJ+L; IF T~TABLE(I)=COMMA THEN GO TO TWO ELSE	13534000 13535000 13535000 13540000 13541000 13542000 13543000 13545000 13545100 13545100 13545200 13545500 13545500 13545600 13545600 13545600 13545600 1354700 1354700 1354700 1354700 1354700 13547200 13547200 13547200
	IF SAVEDIM>MAXSAVE THEN MAXSAVE-SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITL(1); EMITO(ADD) END; END; SLB:PUTNBUMP(T2); LBJ~LBJ+1; IF T~TABLE(I)=COMMA THEN GO TO TWO ELSE IF T!RTBRKET THEN FLAG(018);	13533000 13534000 13535000 13536000 13541000 13542000 13543000 13543000 13545000 13545000	9146 9147 9148 9149 9153 9154 9155 9156 9157 9160 9161 9162 9163 9164 9165 9166 9167 9168 9169 9170 9171	IF SAVEDIM-MAXSAVE THEN MAXSAVE-SAVEDIM ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITO(XCH); EMITO(ADD); IF LONGDIM THEN BEGIN EMITO(ADD); DOUBLE THE SIZE EMITO(ADD); ROUND UP TO LONGROWSZ EMITL(LONGROWSZ-1); EMITO(ADD); ROUND UP TO LONGROWSZ EMITL(LONGROWSZ); EMITO(IDV); ROWNS EMITL(LONGROWSZ); EMITO(IDV); ROWNS EMITL(LONGROWSZ); EMITO(IDV); FINAL ROW SIZE END; SLB: FILAST DIM OF LONG ARRAY, SET BIT 22 IN INFO DIMENSION WORD PUTNBUMP(T2 & REAL(LONGDIM)[22:47:1]); LBJ-LBJ+1; IF T-TABLE(I)=COMMA THEN GO TO TWO ELSE IF T!RTBRKET THEN FLAG(018);	13534000 13535000 13535000 13540000 13541000 13542000 13543000 13543000 13545100 13545200 13545200 13545500 13545500 13545500 13545500 13545500 13545500 13545500 13545600 13545600 13547000 13547000 13547200 13547200 13547200 13547200 13547200 13547200 13549000
77 33 39 44 55 57 73 38	IF SAVEDIM>MAXSAVE THEN MAXSAVE-SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITL(1); EMITO(ADD) END; SLB:PUTNBUMP(T2); LBJ~LBJ+1; IF T~TABLE(I)=COMMA THEN GO TO TWO ELSE IF T!RTBRKET THEN FLAG(018); IF NOT SPECTOG THEN	13533000 13534000 13534000 13536000 13540000 13541000 13542000 13542000 13544000 13545000 13545000	9146 9147 9148 9149 9153 9154 9155 9156 9157 9160 9161 9162 9163 9164 9165 9166 9167 9170 9171 9173	IF SAVEDIM-MAXSAVE THEN MAXSAVE-SAVEDIM ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITL(1); EMITO(ADD); IF LONGEIM THEN BEGIN EMITO(DUP); EMITO(ADD); % DOUBLE THE SIZE EMITL(LONGROWSZ-1); EMITO(ADD); % ROUND UP TO LONGROWSZ EMITL(LONGROWSZ-1); EMITO(ADD); % ROUND UP TO LONGROWSZ EMITL(LONGROWSZ); EMITO(IDV); % # ROWS EMITL(LONGROWSZ); % FINAL ROW SIZE END; SLB: % IF LAST DIM OF LONG ARRAY, SET BIT 22 IN INFO DIMENSION WORD PUTNBUMP(T2 & REAL(LONGDIM)[22:47:1]); LBJ-LBJ+1;IF T-TABLE(I)=COMMA THEN GO TO TWO ELSE IF T!RTBRKET THEN FLAG(018); IF NOT SPECTOG THEN	13534000 13535000 13536000 13540000 13542000 13543000 13543000 13545000 13545100 13545200 13545200 13545500 13545500 13545500 13545500 13545500 13545600 13545600 13545600 1354700 1354700 1354700 1354700 1354700 1354700 1354700 1354700 1354700 1354700 1354700 1354700 13549000 13549000
7 3 3 3 1 1 5 5 7 3 3 1	IF SAVEDIM>MAXSAVE THEN MAXSAVE—SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITL(1); EMITO(ADD) END; SLB:PUTNBUMP(T2); LBJ~LBJ+1; IF T~TABLE(I)=COMMA THEN GO TO TWO ELSE IF T!RTBRKET THEN FLAG(018); IF NOT SPECTOG THEN BEGIN	13533000 13534000 13534000 13536000 13541000 13542000 13542000 13543000 13545000 13545000 13545000 13545000 13545000 13549000 13550000 13551000	9146 9147 9148 9149 9153 9155 9156 9157 9158 9159 9160 9161 9162 9163 9164 9165 9166 9167 9168 9170 9171 9172 9173	IF SAVEDIM-MAXSAVE THEN MAXSAVE-SAVEDIM ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITO(LITOG AND T3=0) IF LONGDIM THEN BEGIN EMITO(DUP); EMITO(DUP); EMITO(DUP); EMITO(DUP); EMITO(DUP); EMITO(DUP); EMITO(LONGROWSZ-1); EMITO(LONGROWSZ-1); EMITO(LONGROWSZ-1); EMITO(LONGROWSZ-1); EMITO(LONGROWSZ); EMITL(LONGROWSZ); EMITL(LONGROWSZ); EMITL(LONGROWSZ); EMITL(LONGROWSZ); EMITL(LONGROWSZ); EMITL(LONGROWSZ); EMITL(LONGROWSZ); EMITL(LONGROWSZ); END; END; END; END; END; END; END; END	13534000 13535000 13535000 13540000 13541000 13542000 13543000 13545000 13545100 13545100 13545200 13545500 13545500 13545600 13545600 13545600 1354700 1354700 1354700 1354700 1354700 1354700 1354700 1354700 13549000 13549000 135590000 135590000
9 9 1 2 3 4 5 6 7 .8 9 9 1 2 3 4 5 6 6 7 .8	IF SAVEDIM>MAXSAVE THEN MAXSAVE-SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITL(1); EMITO(ADD) END; SLB:PUTNBUMP(T2); LBJ~LBJ+1; IF T~TABLE(I)=COMMA THEN GO TO TWO ELSE IF T!RTBRKET THEN FLAG(018); IF NOT SPECTOG THEN	13533000 13534000 13534000 13536000 13540000 13541000 13542000 13542000 13544000 13545000 13545000	9146 9147 9148 9149 9153 9154 9155 9156 9157 9160 9161 9162 9163 9164 9165 9166 9167 9170 9171 9173	IF SAVEDIM-MAXSAVE THEN MAXSAVE-SAVEDIM END ELSE BEGIN IF NOT(LLITOG AND T3=0) OR P2 THEN BEGIN EMITO(XCH); EMITO(SUB) END; EMITO(XCH); EMITO(ADD); IF LONGDIM THEN BEGIN EMITO(ADD); DOUBLE THE SIZE EMITI(LONGROWSZ-1); EMITO(ADD); ROUND UP TO LONGROWSZ EMITL(LONGROWSZ-1); EMITO(IDV); # ROWS EMITL(LONGROWSZ); EMITO(IDV); # ROWS EMITL(LONGROWSZ); EMITO(IDV); # FINAL ROW SIZE END; SLB: % IF LAST DIM OF LONG ARRAY, SET BIT 22 IN INFO DIMENSION WORD PUTNBUMP(T2 & REAL(LONGDIM)[22:47:1]); LBJ-LBJ+1;IF T-TABLE(I)=COMMA THEN GO TO TWO ELSE IF T!RTBRKET THEN FLAG(018); IF NOT SPECTOG THEN BEGIN COMMENT KEEP COUNT OF NO. OF ARRAYS DECLARED;	13534000 13535000 13536000 13540000 13542000 13543000 13543000 13545000 13545100 13545200 13545200 13545500 13545500 13545500 13545500 13545500 13545600 13545600 13545600 1354700 1354700 1354700 1354700 1354700 1354700 1354700 1354700 1354700 1354700 1354700 1354700 13549000 13549000

	C:\Users\Paul\Documents\Projects\B5500\retro-b5500\source\B65SIM\LON	GALG.alg m		C:\Users\Paul\Documents\Projects\B5500\retro-b5500\source\B65SIM\LONGA	LG-NEW.alg m
9127	<pre>EMITL(LBJ);EMITL(GTA1[0]);</pre>	13552000	9179	<pre>EMITL(LBJ+REAL(LONGDIM)); EMITL(GTA1[0]);</pre>	13552000
9128	EMITL(REAL(P3) +2 REAL(P2));	13553000	9180	EMITL(REAL(P3) +2 REAL(P2));	13553000
9129	EMITV(5)	13554000	9181	EMITV(5)	13554000
9130	END:	13555000	9182	END:	13555000
9131	PUT(LBJ,SAVEINF02-1);	13556000	9183	PUT(LBJ,SAVEINF02-1);	13556000
9132	DO BEGIN	13557000	9184	DO BEGIN	13557000
3132	DO BEGIN	15557000] 3104	DO BEGIN	15557000
9283	IF NOT P2	13722000	9335	IF NOT P2	13722000
9284	THEN IF P2~(G=OWNV)	13723000	9336	THEN IF P2~(G=OWNV)	13723000
9285	THEN G~GTA1[J~J-1];	13724000	9337	THEN G~GTA1[J~J-1];	13724000
9286	IF NOT P3	13725000	9338	IF NOT P3	13725000
9287	THEN IF P3~(G=SAVEV)	13726000	9339	THEN IF P3~(G=SAVEV)	13726000
			9340	THEN G~GTA1[J~J-1];	13726100
			9341	IF NOT P5	13726200
			9342	THEN IF P5~(G=LONGV)	13726300
9288	THEN G~GTA1[J~J-1]	13727000	9343	THEN G~GTA1[J~J-1]	13727000
9289	END;	13728000	9344	END;	13728000
9290	IF G!O THEN FLAG(25) ELSE ENTRY(TYPE)	13729000	9345	IF G!O THEN FLAG(25) ELSE ENTRY(TYPE)	13729000
9291	END;	13730000	9346	END;	13730000
9292	PROCEDURE HTTEOAP(GOTSTORAGE, RELAD, STOPPER, PRTAD);	13731000	9347	PROCEDURE HTTEOAP(GOTSTORAGE, RELAD, STOPPER, PRTAD);	13731000
0444	DECTN	14012000	1 0400	DECTN	14012000
9441	BEGIN	14012000	9496	BEGIN	14012000
9442	LABEL OWNERR, SAVERR, BOOLEANDEC, REALDEC, ALPHADEC, INTEGERDEC,	14013000	9497	LABEL OWNERR, SAVERR, BOOLEANDEC, REALDEC, ALPHADEC, INTEGERDEC,	14013000
9443	LABELDEC, DUMPDEC, LISTDEC, OUTDEC, INDEC, MONITORDEC,	14014000	9498	LABELDEC, DUMPDEC, LISTDEC, OUTDEC, INDEC, MONITORDEC,	14014000
9444 9445	SWITCHDEC, PROCEDUREDEC, ARRAYDEC, FORMATDEC, FILEDEC, GOTSCHK.	14015000 14016000	9499 9500	SWITCHDEC, PROCEDUREDEC, ARRAYDEC, FORMATDEC, FILEDEC, GOTSCHK.	14015000 14016000
9445			9500		14017000
9446	STREAMERR, DEFINEDEC, CALLSTATEMENT, HF, START; SWITCH DECLSW~ OWNERR, SAVERR, BOOLEANDEC, REALDEC, ALPHADEC, INTEGERDEC,	14017000 14018000	9502	STREAMERR, DEFINEDEC, LONGERR, CALLSTATEMENT, HF, START; SWITCH DECLSW~ OWNERR, SAVERR, BOOLEANDEC, REALDEC, ALPHADEC, INTEGERDEC,	
9447	LABELDEC, DUMPDEC, LISTDEC, OUTDEC, MONITORDEC,	14019000	9502	LABELDEC, DUMPDEC, LISTDEC, OUTDEC, INDEC, MONITORDEC,	14018000 14019000
9446	SWITCHDEC, PROCEDUREDEC, ARRAYDEC, FORMATDEC, FILEDEC,	14020000	9503	SWITCHDEC, PROCEDUREDEC, ARRAYDEC, FORMATDEC, FILEDEC,	14020000
9449	STREAMERR, DEFINEDEC;	14021000	9504	STREAMERR, DEFINEDEC, LONGERR;	14021000
9451	DEFINE NLOCS=10#, LOCBEGIN=PRTI#;	14022000	9506	DEFINE NLOCS=10#, LOCBEGIN=PRTI#;	14022000
9452	DEFINE LBP=[36:12]#;	14023000	9507	DEFINE LBP=[36:12]#;	14023000
9453	ARRAY TEDOC[0:7,0:127],LOCALS[0:NLOCS];	14024000	9508	ARRAY TEDOC[0:7,0:127],LOCALS[0:NLOCS];	14024000
9454	ARRAY TENIL[0:7,0:127];	14024100	9509	ARRAY TENIL[0:7,0:127];	14024100
9455	INTEGER OLDLASTADDRESS;	14024200	9510	INTEGER OLDLASTADDRESS;	14024200
3433	INTEGER GEDENSTRUDICESS ;	14024200	3310	INTEGER GEDENSTRUCKESSY	14024200
9577	BEGIN	14128000	9632	BEGIN	14128000
9578	STOPDEFINE~(GTA1[J~J+1]~ELBAT[I].ADDRESS)!MONITORV AND	14129000	9633	STOPDEFINE~(GTA1[J~J+1]~ELBAT[I].ADDRESS)!MONITORV AND	14129000
9579	GTA1[J]!DUMPV;ERRORTOG~TRUE;	14130000	9634	GTA1[J]!DUMPV;ERRORTOG~TRUE;	14130000
9580	END;	14131000	9635	END;	14131000
9581	IF J =0 THEN GO TO CALLSTATEMENT;	14132000	9636	IF J =0 THEN GO TO CALLSTATEMENT;	14132000
9582	P2~P3~FALSE;	14133000	9637	P2~P3~ P5~ FALSE;	14133000
9583	GO TO DECLSW[GTA1[J]];	14134000	9638	GO TO DECLSW[GTA1[J]];	14134000
9584	OWNERR:FLAG(20);J~J+1;GO TO REALDEC;	14135000	9639	OWNERR:FLAG(20);J~J+1;GO TO REALDEC;	14135000
9585	SAVERR:FLAG(21);J~J+1;GO TO REALDEC;	14136000	9640	SAVERR:FLAG(21);J~J+1;GO TO REALDEC;	14136000
		4.4407000	9641	LONGERR:FLAG(506);J~J+1;GO TO REALDEC;	14136200
9586	STREAMERR:FLAG(22);J~J+1;GO TO PROCEDUREDEC;	14137000	9642	STREAMERR: FLAG(22); J~J+1; GO TO PROCEDUREDEC;	14137000
9587	REALDEC: P3~TRUE; ENTER(REALID); GO TO START;	14138000	9643	REALDEC:P3~TRUE;ENTER(REALID);G0 TO START;	14138000
9588 9589	ALPHADEC:P3~TRUE;ENTER(ALFAID);G0 TO START;	14139000	9644	ALPHADEC:P3~TRUE;ENTER(ALFAID);GO TO START;	14139000
9589	BOOLEANDEC:P3~TRUE;ENTER(BOOID);GO TO START;	14140000	9645 9646	BOOLEANDEC:P3~TRUE;ENTER(BOOID);GO TO START;	14140000
9590	INTEGERDEC:P3~TRUE;ENTER(INTID);G0 TO START;	14141000	9040	INTEGERDEC:P3~TRUE;ENTER(INTID);G0 T0 START;	14141000
10349	DEPENDING ON OPBIT;	15210000	10405	DEPENDING ON OPBIT;	15210000
10349	BOOLEAN SPCLMON; COMMENT SPCLMON IS A BOOLEAN THA		10405	BOOLEAN SPCLMON; COMMENT SPCLMON IS A BOOLEAN THA	
10351	IS SET TRUE IF THE VARIABLE IN	15212000	10407	IS SET TRUE IF THE VARIABLE IN	15212000
10351	TALL IS SPECIAL MONITORED.	15213000	10408	TALL IS SPECIAL MONITORED.	15213000
10353	;	15214000	10409	;	15214000
			10410	PROCEDURE INDEXER(TALL, J, BYNAME);	15214020
			10411	VALUE TALL, J, BYNAME;	15214040
			10412	REAL TALL, J;	15214060
			10413	BOOLEAN BYNAME;	15214080
			10414	BEGIN COMMENT	15214100
			10415	INDEXER HANDLES THE COMPLEXITIES OF INITIAL AND FINAL	15214120
			10416	INDEXING OF ARRAY DIMENSIONS WHERE DOUBLE-INDEXING OF THE	15214140
			10417	LAST DIMENSION OF A LONG ARRAY MAY BE INVOLVED. ON ENTRY,	15214160
			10418	ASSUMES THE RAW INDEX VALUE IS AT TOP OF STACK;	15214180
			10419		15214200
			10420	IF BOOLEAN(TAKE(GIT(TALL)+J).[22:1]) THEN	15214220
			10421	BEGIN % THIS IS THE LONG DIMENSION FOR A LONG ARRAY.	15214240

	C:\Users\Paul\Documents\Projects\B5500\retro-b5500\source\B65SIM\LONG	GALG.alg_m		C:\Users\Paul\Documents\Projects\B5500\	retro-b5500\source\B65SIM\LONGAL	.G-NEW.alg_m
			10422	EMITO(DUP);		15214260
			10423		DOUBLE THE INDEX	15214280
			10424 10425	<pre>EMITPAIR(JUNK,ISN); % EMITL(LONGROWSZ);</pre>	SAVE A COPY FOR THE COL INDEX	15214300 15214320
			10425		COMPUTE THE SPLIT-ROW INDEX	15214320
			10427	IF J=1 THEN	COM OTE THE STEET-ROW INDEX	15214360
			10428	EMITN(TALL.ADDRESS)		15214380
			10429	ELSE		15214400
			10430	EMITO(CDC);		15214420
			10431		LOAD THE DESTINATION DESCRIPTOR	
			10432 10433	<pre>EMITV(JUNK); % EMITL(LONGROWSZ);</pre>	RETRIEVE THE SAVED INDEX VALUE	15214480
			10434		COMPUTE THE SPLIT-COL INDEX	15214500
			10435	IF BYNAME THEN		15214520
			10436	EMITO(CDC)		15214540
			10437	ELSE		15214560
			10438 10439	EMITO(COC); END		15214580 15214600
			10440	ELSE IF J=1 THEN		15214620
			10441	IF BYNAME THEN		15214640
			10442	EMITN(TALL.ADDRESS)		15214660
			10443	ELSE		15214680
			10444 10445	EMITV(TALL.ADDRESS) ELSE		15214700 15214720
			10445	IF BYNAME THEN		15214720
			10447	EMITO(CDC)		15214760
			10448	ELSE		15214780
			10449	EMITO(COC);		15214800
10354	PROCEDURE M4(TALL,J);	15215000	10450 10451	END INDEXER; PROCEDURE M4(TALL,J);		15214820 15215000
10354		15216000	10451	VALUE TALL, J;		15216000
10356		15217000	10453	REAL TALL, J ;		15217000
10357	BEGIN STACKCT ~ 1; %A	15217500	10454	BEGIN STACKCT ~ 1;	%A	15217500
10358		15218000	10455	IF J = 1		15218000
10359 10360	THEN BEGIN COMMENT FIRST TIME AROUND; IF TALL < 0	15219000 15220000	10456 10457	THEN BEGIN COMME IF TAL	NT FIRST TIME AROUND;	15219000 15220000
10361	THEN BEGIN COMMENT TALL IS MONITORED;		10457		EGIN COMMENT TALL IS MONITORED;	
10362	EMITV(JUNK); EMITO(XCH);		10459			15222000
10363	END;	15223000	10460		ND;	15223000
10364	EMITN(TALL.ADDRESS)	15224000	10461	INDEXE	R(TALL, J, TRUE);	15224000
10365 10366		15225000 15226000	10462 10463	END	NT NOT THE FIRST TIME AROUND;	15225000 15226000
10367	EMITO(CDC);	15227000	10464		R(TALL, J, TRUE);	15227000
10368		15228000	10465	IF TAL		15228000
10369		15229000	10466	THEN B	EGIN COMMENT CALL SUBSCRIPT;	15229000
10370		15230000	10467	-		15230000
10371	END; END: END: %A	15231000 15232000	10468 10469	END: END:	ND;	15231000 15232000
103/2	LIND, LIND, %A	13232000	10409	LND, LND;	%A	13232000
10500		15339000	10597	IF ELCLASS=PERIOD THEN		15339000
10501		15340000	10598	BEGIN		15340000
10502		15341000	10599	IF DOTSYNTAX(T1,T2) T		15341000
10503 10504		15342000 15343000	10600 10601		HEN IF P1=FS THEN GO TO LAST 09); GO EXIT END;	15342000 15343000
10505	IF J=1 THEN EMITY(TALL.ADDRESS)ELSE EMITO(COC);	15344000	10601	INDEXER (TALL, J, FALSE)		15344000
10506	END	15345000	10603	END		15345000
10507	ELSE MONITOR FUNCTION MID COES HERE	15346000	10604	ELSE MONITOR FUNCTION MIC	COEC HEDE	15346000
10508 10509		15347000 15348000	10605 10606	COMMENT ***** MONITOR FUNCTION M10 BEGIN COMMENT MONITOR		15347000 15348000
10510		15349000	10607		OR ELCLASS } AMPERSAND;	15349000
10511	IF J = 1	15350000	10608	INDEXER(TALL, J, N		15350000
10512		15351000				
10513		15352000				
10514 10515		15353000 15354000				
10515		15355000				
10517		15356000				
10518	IF TALL < 0	15357000	10609	IF TALL < 0		15357000
10519		15358000	10610		NT DO NOT MONITOR AFTER ALL;	15358000
10520	EMITL(5);	15359000	10611	EMITL(٥);	15359000

6/4/2017 2:44:31 PM

	C:\Users	\Paul\Documents\Proje	cts\B5500\retro-b5500\source\B65SI	M\LONGALG.alg_m		C:\Users\Paul\Documents\Projects\B5500\ref	tro-b5500\source\B65SIM\LONGA	LG-NEW.alg_m
105 105	21 22		<pre>IF SPCLMON THEN EMITV(GNAT(PRINTI))</pre>	15360000 15361000	10612 10613	IF SPCLMO THEN EMI	DN TV(GNAT(PRINTI))	15360000 15361000
110 110 110 110 110	51 52 TIME1 ~ TIM 53 ENDOFITALL:8 54	END STREAMSTMT; ME(1); PROGRAM; END MAIN BLOCK END.	DING TAPE	16495000 16496000 17000000 17001000	11141 11142 11143 11144 11145	FINI: END STREAMSTMT; TIME1 ~ TIME(1); PROGRAM; ENDOFITALL:END MAIN BLOCK END.		16495000 16496000 17000000 17000100 17001000
110	55 END; END.	LAST CARD ON OCR	DING TAPE	99999999	11146 11147 11148	END; END. LAST CARD ON OCRDIMG TAPE PEND LAST CARD ON OCRDIMG TAPE		9999999