

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	
				2 **** 3 * 4 * TRTRE basic instruction tests 5 * 6 **** 7 * 8 * This program tests proper functioning of the TRTRE instructions. 9 * Specification Exceptions are not tested. 10 * 11 * PLEASE NOTE that the tests are very SIMPLE TESTS designed to catch 12 * obvious coding errors. None of the tests are thorough. They are 13 * NOT designed to test all aspects of the instruction. 14 * 15 * NOTE: This test is based on the CLCL-et-al Test but modified to 16 * only test the TRTRE instruction. -- James Wekel October 2022 17 * 18 **** 19 * 20 * Example Hercules Testcase: 21 * 22 * 23 * *Testcase TRTRE-01-basic (Test TRTRE instructions) 24 * 25 * # ----- 26 * # This tests only the basic function of the TRTRE instruction. 27 * # Specification Exceptions are NOT tested. 28 * # ----- 29 * 30 * mainsize 16 31 * numcpu 1 32 * sysclear 33 * archlvl z/Arch 34 * loadcore "\$(testpath)/TRTRE-01-basic.core" 0x0 35 * runtest 1 36 * *Done 37 * 38 * 39 ****	
00000000		00000000 00104779		41 TRTRE1TST START 0 42 USING TRTRE1TST,R0	Low core addressability
00000000 000001A0 000001A8	00000001 80000000 00000000 00000200	00000000 000001A0		44 ORG TRTRE1TST+X'1A0' 45 DC X'0000000180000000' 46 DC AD(BEGIN)	z/Architecture RESTART PSW
000001B0 000001D0 000001D8	00020001 80000000 00000000 0000DEAD	000001B0 000001D0		48 ORG TRTRE1TST+X'1D0' 49 DC X'0002000180000000' 50 DC AD(X'DEAD')	z/Architecture PROGRAM CHECK PSW
000001E0		000001E0 00000200	52	ORG TRTRE1TST+X'200'	Start of actual test program...

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	
				54 **** 55 * The actual "TRTRE1TST" program itself... 56 **** 57 * 58 * Architecture Mode: z/Arch 59 * Register Usage: 60 * 61 * R0 (work) 62 * R1 TRTRE - Function-Code Table Address 63 * R2 TRTRE - First-Operand Address 64 * R3 TRTRE - First-Operand Length 65 * R4 TRTRE - Function-Code 66 * R5 Testing control table - base current entry 67 * R6-R7 (work) 68 * R8 First base register 69 * R9 Second base register 70 * R10-R13 (work) 71 * R14 Subroutine call 72 * R15 Secondary Subroutine call or work 73 * 74 ****	
00000200		00000200		76 USING BEGIN,R8	FIRST Base Register
00000200		00001200		77 USING BEGIN+4096,R9	SECOND Base Register
00000200	0580			79 BEGIN BALR R8,0	Initalize FIRST base register
00000202	0680			80 BCTR R8,0	Initalize FIRST base register
00000204	0680			81 BCTR R8,0	Initalize FIRST base register
00000206	4190 8800		00000800	83 LA R9,2048(,R8)	Initalize SECOND base register
0000020A	4190 9800		00000800	84 LA R9,2048(,R9)	Initalize SECOND base register
				86 **** 87 * Run the test(s)... 88 ****	
0000020E	45E0 8302		00000502	90 BAL R14,TEST01	Test TRTRE instruction
				92 **** 93 * Test for normal or unexpected test completion... 94 ****	
00000212	95FC 8200		00000400	96 CLI TESTNUM,X'FC'	Did we end on expected test?
00000216	4770 83D8		000005D8	97 BNE FAILTEST	No?! Then FAIL the test!
0000021A	9503 8201		00000401	99 CLI SUBTEST,X'03'	Did we end on expected SUB-test?
0000021E	4770 83D8		000005D8	100 BNE FAILTEST	No?! Then FAIL the test!
00000222	47F0 83C0		000005C0	102 B EOJ	Yes, then normal completion!

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	
				104 ****	*****
				105 * Fixed test storage locations ...	
				106 *****	*****
00000226		00000226	00000400	108	ORG TRTRE1TST+X'400'
00000400				110 TESTADDR DS 0D	Where test/subtest numbers will go
00000400 99				111 TESTNUM DC X'99'	Test number of active test
00000401 99				112 SUBTEST DC X'99'	Active test sub-test number
00000402		00000402	00000502	114	ORG *+X'100'

LOC	OBJECT CODE	ADDR1	ADDR2	STMT		
				116 **** 117 * TEST01 118 ****	Test TRTRE instruction	*****
00000502	9201 8200		00000400	120 TEST01 MVI TESTNUM,X'01'		
00000506	4150 83E4		000005E4	122 LA R5,TRTRECTL	Point R5 --> testing control table	
0000050A		00000000		123 USING TRTRETEST,R5	What each table entry looks like	
0000050A	4360 5000	0000050A	00000001	125 TST1LOOP EQU *		
0000050E	4260 8200		00000000	126 IC R6,TNUM	Set test number	
			00000400	127 STC R6,TESTNUM		
				129 *		
				130 ** Initialize operand data (move data to testing address)		
				131 *		
00000512	58A0 5018		00000018	132 L R10,OP1WHERE	Where to move operand-1 data to	
00000516	58B0 5008		00000008	133 L R11,OP1LEN	Get operand-1 length	
0000051A	50B0 501C		0000001C	134 ST R11,OP1WLEN	and save for later	
0000051E	5860 5004		00000004	135 L R6,OP1DATA	Where op1 data is right now	
00000522	5870 5008		00000008	136 L R7,OP1LEN	How much of it there is	
00000526	0EA6			137 MVCL R10,R6		
00000528	58A0 5014		00000014	139 L R10,OP2WHERE	Where to move operand-2 data to	
0000052C	58B0 5010		00000010	140 L R11,OP2LEN	How much of it there is	
00000530	5860 500C		0000000C	141 L R6,OP2DATA	Where op2 data is right now	
00000534	5870 5010		00000010	142 L R7,OP2LEN	How much of it there is	
00000538	0EA6			143 MVCL R10,R6		
				145 *		
				146 ** Setup for TRTRE instruction: store M3 bits, adjust OP address		
				147 *		
0000053A	1B77			148 SR R7,R7	Get M3 bits for TRTRE	
0000053C	4370 5003	00000003		149 IC R7,M3	(M3)	
00000540	4270 8364	00000564		150 STC R7,TRTREMOD+2	DYNAMICALLY MODIFIED CODE	
00000544	58B0 5024	00000024		152 L R11,FAILMASK	(failure CC)	
00000548	89B0 0004	00000004		153 SLL R11,4	(shift to BC instr CC position)	
0000054C	9200 8201		00000401	155 MVI SUBTEST,X'00'	(primary TRTRE)	
00000550	9814 5014	00000014		157 LM R1,R4,OPSWHERE	get TRTRE input; set OP addr to end	
00000554	1A23			158 AR R2,R3	add OP length -1	
00000556	0620			159 BCTR R2,0		
00000558	5470 83DC	000005DC		160 N R7,=XL4'80'	Is a-bit set?	
0000055C	4780 8362	00000562		161 BZ TRTREMOD		
00000560	0620			162 BCTR R2,0	Then, OP addr is one less	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT		
				164 *		
				165 **	Execute TRTRE instruction and check for expected condition code	
				166 *		
00000562	B9BD 0024			168 TRTREMOD TRTRE R2,R4,0	M3 is modified!!	
00000566	44B0 83A8	000005A8	170	EX	R11,TRTREBC	Fail if...
0000056A	4710 8362	00000562	171	BC	B'0001',TRTREMOD	cc=3, not finished
				173 *		
				174 **	Verify R2,R3,R4 contain (or still contain!) expected values	
				175 *		
0000056E	98AC 5028	00000028	176	LM	R10,R12,ENDREGS	
00000572	9201 8201	00000401	178	MVI	SUBTEST,X'01'	(R2 result - op1 found addr)
00000576	152A		179	CLR	R2,R10	R2 correct?
00000578	4770 83A2	000005A2	180	BNE	TRTREFAIL	No, FAILTEST!
0000057C	9202 8201	00000401	182	MVI	SUBTEST,X'02'	(R3 result - op1 remaining len)
00000580	153B		183	CLR	R3,R11	R3 correct
00000582	4770 83A2	000005A2	184	BNE	TRTREFAIL	No, FAILTEST!
00000586	9203 8201	00000401	186	MVI	SUBTEST,X'03'	(R4 result - FC code)
0000058A	154C		187	CLR	R4,R12	R4 correct
0000058C	4770 83A2	000005A2	188	BNE	TRTREFAIL	No, FAILTEST!
00000590	4150 5034	00000034	190	LA	R5,TRTRENEXT	Go on to next table entry
00000594	D503 83E0 5000	000005E0	00000000	191	CLC	=F'0',0(R5)
0000059A	4770 830A		0000050A	192	BNE	TST1LOOP
0000059E	47F0 83A6		000005A6	193	B	TRTREDONE
						Done! (success!)
000005A2	41E0 83D8	000005D8	195	TRTREFAIL	LA	R14,FAILTEST
000005A6	07FE		196	TRTREDONE	BR	R14
						Unexpected results! Return to caller or FAILTEST
000005A8	4700 83A2	000005A2	198	TRTREBC	BC	0,TRTREFAIL
						(fail if unexpected condition code)
000005AC			200	DROP	R5	
000005AC			201	DROP	R15	
000005AC		00000200	202	USING	BEGIN,R8	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
				204 **** 205 * Normal completion or Abnormal termination PSWs 206 ****
000005B0	00020001 80000000		208 EOJPSW	DC 0D'0',X'0002000180000000',AD(0)
000005C0	B2B2 83B0	000005B0	210 EOJ	LPSWE EOJPSW Normal completion
000005C8	00020001 80000000		212 FAILPSW	DC 0D'0',X'0002000180000000',AD(X'BAD')
000005D8	B2B2 83C8	000005C8	214 FAILTEST LPSWE FAILPSW	Abnormal termination
				216 **** 217 * Working Storage 218 ****
000005DC		220	LTORG ,	Literals pool
000005DC	00000080	221	=XL4'80'	
000005E0	00000000	222	=F'0'	
00000400	00000001	224 K	EQU 1024	One KB
00001000	00000001	225 PAGE	EQU (4*K)	Size of one page
00010000	00000001	226 K64	EQU (64*K)	64 KB
00100000	00000001	227 MB	EQU (K*K)	1 MB

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	
		00000000	00104779	229 TRTRE1TST CSECT ,	
				231 ****	*****
				232 * TRTRETEST DSECT	
				233 ****	*****
00000000	00			235 TRTRETEST DSECT ,	
00000001	00			236 TNUM DC X'00'	TRTRE table Number
00000002	00			237 DC X'00'	
00000003	00			238 DC X'00'	
				239 M3 DC X'00'	M3 byte stored into TRTRE instruction
00000004	00000000			241 OP1DATA DC A(0)	Pointer to Operand-1 data
00000008	00000000			242 OP1LEN DC F'0'	How much data is there - 1
0000000C	00000000			243 OP2DATA DC A(0)	Pointer to FC table data
00000010	00000000			244 OP2LEN DC F'0'	How much data is there - FC Table
00000014	00000001	000000014	00000001	246 OPSWHERE EQU *	
00000018	00000000			247 OP2WHERE DC A(0)	Where FC Table data should be placed
0000001C	00000000			248 OP1WHERE DC A(0)	Where Operand-1 data should be placed
00000020	00000000			249 OP1WLEN DC F'0'	How much data is there - 1
				250 DC A(0)	pollute - found FC
00000024	00000000			252 FAILMASK DC A(0)	Failure Branch on Condition mask
00000028	00000000			254 *	Ending register values
0000002C	00000000			255 ENDREGS DC A(0)	Operand 1 address
00000030	00000000			256 DC A(0)	Operand 1 length
		00000034	00000001	257 DC A(0)	Function Code
				259 TRTRENEXT EQU *	Start of next table entry...
AABBCCDD	00000001			261 REG2PATT EQU X'AABBCCDD'	
000000DD	00000001			262 REG2LOW EQU X'DD'	Polluted Register pattern (last byte above)

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
				264 **** 265 * TRTRE Testing Control tables (ref: TRTRETEST DSECT) 266 ****
000005E4		00000000 00104779		268 TRTRE1TST CSECT, 269 PRINT DATA 270 TRTRECTL DC 0A(0) start of table
				272 **** 273 * tests with M3: A=0, F=0, L=0, reserved=0 (0) 274 * FC Table = 1 byte 275 ****
000005E4				277 M0T1 DS 0F
000005E4	01			278 DC X'01' Test Num
000005E5	0000			279 DC X'00',X'00'
000005E7	00			280 DC X'00'
000005E8	00001458 00000001			281 DC A(TRTOP10),A(001) Source - Op 1 & length
000005F0	00003958 00000100			282 DC A(TRTOP20),A(256) Source - FC Table & length
				283 * Target -
000005F8	00110000 00210000			284 DC A(1*MB+(1*K64)),A(2*MB+(1*K64)),A(0) FC, Op1, Op1L
00000600	00000000			
00000604	AABBCCDD			285 DC A(REG2PATT)
00000608	00000007			286 DC A(7) CC0
0000060C	0020FFFF 00000000			287 DC A(2*MB+(1*K64)-001),A(000),A(0)
00000614	00000000			
00000618				289 M0T2 DS 0F
00000618	02			290 DC X'02' Test Num
00000619	0000			291 DC X'00',X'00'
0000061B	00			292 DC X'00'
0000061C	00001458 00000002			293 DC A(TRTOP10),A(002) Source - Op 1 & length
00000624	00003958 00000100			294 DC A(TRTOP20),A(256) Source - FC Table & length
				295 * Target -
0000062C	00120000 00220000			296 DC A(MB+(2*K64)),A(2*MB+(2*K64)),A(0) FC, Op1, Op1L
00000634	00000000			
00000638	AABBCCDD			297 DC A(REG2PATT)
0000063C	00000007			298 DC A(7) CC0
00000640	0021FFFF 00000000			299 DC A(2*MB+(2*K64)-001),A(000),A(0)
00000648	00000000			
0000064C				301 M0T3 DS 0F
0000064C	03			302 DC X'03' Test Num
0000064D	0000			303 DC X'00',X'00'
0000064F	00			304 DC X'00'
00000650	00001458 00000004			305 DC A(TRTOP10),A(004) Source - Op 1 & length
00000658	00003958 00000100			306 DC A(TRTOP20),A(256) Source - FC Table & length
				307 * Target -
00000660	00130000 00230000			308 DC A(MB+(3*K64)),A(2*MB+(3*K64)),A(0) FC, Op1, Op1L
00000668	00000000			
0000066C	AABBCCDD			309 DC A(REG2PATT)
00000670	00000007			310 DC A(7) CC0
00000674	0022FFFF 00000000			311 DC A(2*MB+(3*K64)-001),A(000),A(0)
0000067C	00000000			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT		
00000680				313 M0T4 DS 0F		
00000680	04			314 DC X'04'	Test Num	
00000681	0000			315 DC X'00',X'00'		
00000683	00			316 DC X'00'	M3: A=0, F=0, L=0	
00000684	00001458 00000008			317 DC A(TRTOP10),A(008)	Source - Op 1 & length	
0000068C	00003958 00000100			318 DC A(TRTOP20),A(256)	Source - FC Table & length	
				319 * DC	Target -	
00000694	00140000 00240000			320 DC A(MB+(4*K64)),A(2*MB+(4*K64)),A(0)	FC, Op1, Op1L	
0000069C	00000000			321 DC A(REG2PATT)		
000006A0	AABBCCDD			322 DC A(7) CC0		
000006A4	00000007			323 DC A(2*MB+(4*K64)-001),A(000),A(0)		
000006B0	00000000					
000006B4				325 M0T5 DS 0F		
000006B4	05			326 DC X'05'	Test Num	
000006B5	0000			327 DC X'00',X'00'		
000006B7	00			328 DC X'00'	M3: A=0, F=0, L=0	
000006B8	00001458 00000100			329 DC A(TRTOP10),A(256)	Source - Op 1 & length	
000006C0	00003958 00000100			330 DC A(TRTOP20),A(256)	Source - FC Table & length	
				331 * DC	Target -	
000006C8	00150000 00250000			332 DC A(MB+(5*K64)),A(2*MB+(5*K64)),A(0)	FC, Op1, Op1L	
000006D0	00000000			333 DC A(REG2PATT)		
000006D4	AABBCCDD			334 DC A(7) CC0		
000006D8	00000007			335 DC A(2*MB+(5*K64)-1),A(000),A(0)		
000006E4	00000000					
000006E8				337 M0T6 DS 0F		
000006E8	06			338 DC X'06'	Test Num	
000006E9	0000			339 DC X'00',X'00'		
000006EB	00			340 DC X'00'	M3: A=0, F=0, L=0	
000006EC	00001558 00000100			341 DC A(TRTOP111),A(256)	Source - Op 1 & length	
000006F4	00023A58 00000100			342 DC A(TRTOP211),A(256)	Source - FC Table & length	
				343 * DC	Target -	
000006FC	0015FFE0 0025FFF4			344 DC A(MB+(6*K64)-32),A(2*MB+(6*K64)-12),A(0)	FC, Op1, Op1L	
00000704	00000000			345 DC A(REG2PATT)		
00000708	AABBCCDD			346 DC A(10) CC1 or CC3		
0000070C	0000000A			347 DC A(2*MB+(6*K64)-12+256-18-1),A(256-18),XL4'11'		
00000710	002600E1 000000EE					
00000718	00000011					

LOC	OBJECT CODE	ADDR1	ADDR2	STMT		
0000071C				349 M0T7 DS 0F		
0000071C	07			350 DC X'07'	Test Num	
0000071D	0000			351 DC X'00',X'00'		
0000071F	00			352 DC X'00'	M3: A=0, F=0, L=0	
00000720	00001658 00000100			353 DC A(TRTOP1F0),A(256)	Source - Op 1 & length	
00000728	00023B58 00000100			354 DC A(TRTOP2F0),A(256)	Source - FC Table & length	
				355 * DC	Target -	
00000730	00170000 0026FFF4			356 DC A(MB+(7*K64)),A(2*MB+(7*K64)-12),A(0)	FC, Op1, Op1L	
00000738	00000000			357 DC A(REG2PATT)		
0000073C	AABBCCDD			358 DC A(10) CC1 or CC3		
00000740	0000000A			359 DC A(2*MB+(7*K64)-12+256-255),A(2),XL4'F0'		
00000744	0026FFF5 00000002					
0000074C	000000F0					
00000750				361 M0T8 DS 0F		
00000750	08			362 DC X'08'	Test Num	
00000751	0000			363 DC X'00',X'00'		
00000753	00			364 DC X'00'	M3: A=0, F=0, L=0	
00000754	00001558 00000100			365 DC A(TRTOP111),A(256)	Source - Op 1 & length	
0000075C	00023A58 00000100			366 DC A(TRTOP211),A(256)	Source - FC Table & length	
				367 * DC	Target -	
00000764	0017FFE0 00280000			368 DC A(MB+(8*K64)-32),A(2*MB+(8*K64)),A(0)	FC, Op1, Op1L	
0000076C	00000000			369 DC A(REG2PATT)		
00000770	AABBCCDD			370 DC A(11) CC1		
00000774	0000000B			371 DC A(2*MB+(8*K64)+256-18-1),A(256-18),XL4'11'		
00000778	002800ED 000000EE					
00000780	00000011					
00000784				373 M0T9 DS 0F		
00000784	09			374 DC X'09'	Test Num	
00000785	0000			375 DC X'00',X'00'		
00000787	00			376 DC X'00'	M3: A=0, F=0, L=0	
00000788	00001958 00000800			377 DC A(TRT01L0),A(2048)	Source - Op 1 & length	
00000790	00003958 00000100			378 DC A(TRTOP20),A(256)	Source - FC Table & length	
				379 * DC	Target -	
00000798	00190000 00290000			380 DC A(MB+(9*K64)),A(2*MB+(9*K64)),A(0)	FC, Op1, Op1L	
000007A0	00000000			381 DC A(REG2PATT)		
000007A4	AABBCCDD			382 DC A(7) CC0		
000007A8	00000007			383 DC A(2*MB+(9*K64)-1),A(000),A(0)		
000007AC	0028FFFF 00000000					
000007B4	00000000					

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000007B8				385 M0T10	DS	0F
000007B8	0A			386	DC	X'0A'
000007B9	0000			387	DC	X'00',X'00'
000007BB	00			388	DC	X'00'
000007BC	00002158	00000800		389	DC	A(TRT01L11),A(2048)
000007C4	00023A58	00000100		390	DC	A(TRTOP211),A(256)
				391 *		
				392	DC	A(MB+(10*K64)),A(2*MB+(10*K64)-200),A(0) FC, Op1, Op1L
000007D4	00000000			393	DC	A(REG2PATT)
000007D8	AABBCCDD			394	DC	A(10) CC1 or CC3
000007DC	0000000A			395	DC	A(2*MB+(10*K64)-200+(4*256)+1),A(1026),XL4'11'
000007E0	002A0339	00000402				
000007E8	00000011					
000007EC				397 M0T11	DS	0F
000007EC	0B			398	DC	X'0B'
000007ED	0000			399	DC	X'00',X'00'
000007EF	00			400	DC	X'00'
000007F0	00002958	00000800		401	DC	A(TRT01LF0),A(2048)
000007F8	00023B58	00000100		402	DC	A(TRTOP2F0),A(256)
				403 *		
				404	DC	A(MB+(11*K64)-64),A(2*MB+(11*K64)),A(0) FC, Op1, Op1L
00000800	001AFFC0	002B0000		405	DC	A(REG2PATT)
00000808	00000000			406	DC	A(11) CC1
0000080C	AABBCCDD			407	DC	A(2*MB+(11*K64)+1),A(2),XL4'F0'
00000810	0000000B					
00000814	002B0001	00000002				
0000081C	000000F0					

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	
				409 **** 410 * tests with M3: A=0,F=1,L=0, reserved=0 (4) 411 * FC Table = 2 bytes 412 ****	
00000820				414 M4T1 DS 0F	Test Num
00000820	41			415 DC X'41'	
00000821	0000			416 DC X'00',X'00'	M3: A=0,F=1,L=0
00000823	40			417 DC X'40'	Source - Op 1 & length
00000824	00001458 00000001			418 DC A(TRTOP10),A(001)	Source - FC Table & length
0000082C	00003958 00000200			419 DC A(TRTOP20),A(512)	Target -
00000834	00310000 00410000			420 * 421 DC A(3*MB+(1*K64)),A(4*MB+(1*K64)),A(0) FC, Op1, Op1L	
0000083C	00000000			422 DC A(REG2PATT)	
00000840	AABBCCDD			423 DC A(7) CC0	
00000844	00000007			424 DC A(4*MB+(1*K64)-001),A(000),A(0)	
00000850	00000000				
00000854				426 M4T2 DS 0F	Test Num
00000854	42			427 DC X'42'	
00000855	0000			428 DC X'00',X'00'	M3: A=0,F=1,L=0
00000857	40			429 DC X'40'	Source - Op 1 & length
00000858	00001458 00000002			430 DC A(TRTOP10),A(002)	Source - FC Table & length
00000860	00003958 00000200			431 DC A(TRTOP20),A(512)	Target -
00000868	00320000 00420000			432 * 433 DC A(3*MB+(2*K64)),A(4*MB+(2*K64)),A(0) FC, Op1, Op1L	
00000870	00000000			434 DC A(REG2PATT)	
00000874	AABBCCDD			435 DC A(7) CC0	
00000878	00000007			436 DC A(4*MB+(2*K64)-001),A(000),A(0)	
00000884	00000000				
00000888				438 M4T3 DS 0F	Test Num
00000888	43			439 DC X'43'	
00000889	0000			440 DC X'00',X'00'	M3: A=0,F=1,L=0
0000088B	40			441 DC X'40'	Source - Op 1 & length
0000088C	00001458 00000004			442 DC A(TRTOP10),A(004)	Source - FC Table & length
00000894	00003958 00000200			443 DC A(TRTOP20),A(512)	Target -
0000089C	00340000 00440000			444 * 445 DC A(3*MB+(4*K64)),A(4*MB+(4*K64)),A(0) FC, Op1, Op1L	
000008A4	00000000			446 DC A(REG2PATT)	
000008A8	AABBCCDD			447 DC A(7) CC0	
000008AC	00000007			448 DC A(4*MB+(4*K64)-001),A(000),A(0)	
000008B0	0043FFFF 00000000				
000008B8	00000000				

LOC	OBJECT CODE	ADDR1	ADDR2	STMT		
000008BC				450 M4T4 DS 0F		
000008BC	44			451 DC X'44'	Test Num	
000008BD	0000			452 DC X'00',X'00'		
000008BF	40			453 DC X'40'	M3: A=0, F=1, L=0	
000008C0	00001458 00000008			454 DC A(TRTOP10),A(008)	Source - Op 1 & length	
000008C8	00003958 00000200			455 DC A(TRTOP20),A(512)	Source - FC Table & length	
				456 *	Target -	
000008D0	00340000 00440000			457 DC A(3*MB+(4*K64)),A(4*MB+(4*K64)),A(0)	FC, Op1, Op1L	
000008D8	00000000			458 DC A(REG2PATT)		
000008DC	AABBCCDD			459 DC A(7) CC0		
000008E0	00000007			460 DC A(4*MB+(4*K64)-001),A(000),A(0)		
000008EC	00000000					
000008F0				462 M4T5 DS 0F		
000008F0	45			463 DC X'45'	Test Num	
000008F1	0000			464 DC X'00',X'00'		
000008F3	40			465 DC X'40'	M3: A=0, F=1, L=0	
000008F4	00001458 00000100			466 DC A(TRTOP10),A(256)	Source - Op 1 & length	
000008FC	00003958 00000200			467 DC A(TRTOP20),A(512)	Source - FC Table & length	
				468 *	Target -	
00000904	00350000 00450000			469 DC A(3*MB+(5*K64)),A(4*MB+(5*K64)),A(0)	FC, Op1, Op1L	
0000090C	00000000			470 DC A(REG2PATT)		
00000910	AABBCCDD			471 DC A(7) CC0		
00000914	00000007			472 DC A(4*MB+(5*K64)-001),A(000),A(0)		
00000918	0044FFFF 00000000					
00000920	00000000					
00000924				474 M4T6 DS 0F		
00000924	46			475 DC X'46'	Test Num	
00000925	0000			476 DC X'00',X'00'		
00000927	40			477 DC X'40'	M3: A=0, F=1, L=0	
00000928	00001558 00000100			478 DC A(TRTOP111),A(256)	Source - Op 1 & length	
00000930	00023C58 00000200			479 DC A(TRTOP411),A(512)	Source - FC Table & length	
				480 *	Target -	
00000938	0035FFE0 0045FFF4			481 DC A(3*MB+(6*K64)-32),A(4*MB+(6*K64)-12),A(0)	FC, Op1, Op1L	
00000940	00000000			482 DC A(REG2PATT)		
00000944	AABBCCDD			483 DC A(10) CC1 or CC3		
00000948	0000000A			484 DC A(4*MB+(6*K64)-12+256-18-1),A(256-18),XL4'11'		
0000094C	004600E1 000000EE					
00000954	00000011					

LOC	OBJECT CODE	ADDR1	ADDR2	STMT		
00000958				486 M4T7 DS 0F		
00000958	47			487 DC X'47'	Test Num	
00000959	0000			488 DC X'00',X'00'		
0000095B	40			489 DC X'40'	M3: A=0, F=1, L=0	
0000095C	00001658 00000100			490 DC A(TRTOP1F0),A(256)	Source - Op 1 & length	
00000964	00023E58 00000200			491 DC A(TRTOP4F0),A(512)	Source - FC Table & length	
				492 * DC	Target -	
0000096C	00370000 0046FFF4			493 DC A(3*MB+(7*K64)),A(4*MB+(7*K64)-12),A(0) FC, Op1, Op1L		
00000974	00000000			494 DC A(REG2PATT)		
00000978	AABBCCDD			495 DC A(10) CC1 or CC3		
0000097C	0000000A			496 DC A(4*MB+(7*K64)-12+1),A(2),XL4'F0'		
00000988	000000F0					
0000098C				498 M4T8 DS 0F		
0000098C	48			499 DC X'48'	Test Num	
0000098D	0000			500 DC X'00',X'00'		
0000098F	40			501 DC X'40'	M3: A=0, F=1, L=0	
00000990	00001558 00000100			502 DC A(TRTOP111),A(256)	Source - Op 1 & length	
00000998	00023C58 00000200			503 DC A(TRTOP411),A(512)	Source - FC Table & length	
				504 * DC	Target -	
000009A0	0037FFE0 00480000			505 DC A(3*MB+(8*K64)-32),A(4*MB+(8*K64)),A(0) FC, Op1, Op1L		
000009A8	00000000			506 DC A(REG2PATT)		
000009AC	AABBCCDD			507 DC A(11) CC1		
000009B0	0000000B			508 DC A(4*MB+(8*K64)+256-18-1),A(256-18),XL4'11'		
000009BC	00000011					
000009C0				510 M4T9 DS 0F		
000009C0	49			511 DC X'49'	Test Num	
000009C1	0000			512 DC X'00',X'00'		
000009C3	40			513 DC X'40'	M3: A=0, F=1, L=0	
000009C4	00001958 00000800			514 DC A(TRT01L0),A(2048)	Source - Op 1 & length	
000009CC	00003958 00000200			515 DC A(TRTOP20),A(512)	Source - FC Table & length	
				516 * DC	Target -	
000009D4	00390000 00490000			517 DC A(3*MB+(9*K64)),A(4*MB+(9*K64)),A(0) FC, Op1, Op1L		
000009DC	00000000			518 DC A(REG2PATT)		
000009E0	AABBCCDD			519 DC A(7) CC0		
000009E4	00000007			520 DC A(4*MB+(9*K64)-1),A(000),A(0)		
000009E8	0048FFFF 00000000					
000009F0	00000000					

LOC	OBJECT CODE	ADDR1	ADDR2	STMT		
000009F4			522 M4T10	DS 0F		
000009F4	4A		523 DC	X'4A'	Test Num	
000009F5	0000		524 DC	X'00',X'00'		
000009F7	40		525 DC	X'40'	M3: A=0, F=1, L=0	
000009F8	00002158 00000800		526 DC	A(TRT01L11),A(2048)	Source - Op 1 & length	
00000A00	00023C58 00000200		527 DC	A(TRTOP411),A(512)	Source - FC Table & length	
			528 *		Target -	
00000A08	003A0000 0049FF38		529 DC	A(3*MB+(10*K64)),A(4*MB+(10*K64)-200),A(0) FC, Op1, Op1L		
00000A10	00000000					
00000A14	AABBCCDD		530 DC	A(REG2PATT)		
00000A18	0000000A		531 DC	A(10) CC1 or CC3		
00000A1C	004A0339 00000402		532 DC	A(4*MB+(10*K64)-200+(4*256)+1),A(1026),XL4'11'		
00000A24	00000011					
00000A28			534 M4T11	DS 0F		
00000A28	4B		535 DC	X'4B'	Test Num	
00000A29	0000		536 DC	X'00',X'00'		
00000A2B	40		537 DC	X'40'	M3: A=0, F=1, L=0	
00000A2C	00002958 00000800		538 DC	A(TRT01LF0),A(2048)	Source - Op 1 & length	
00000A34	00023E58 00000200		539 DC	A(TRTOP4F0),A(512)	Source - FC Table & length	
			540 *		Target -	
00000A3C	003AFFC0 004B0000		541 DC	A(3*MB+(11*K64)-64),A(4*MB+(11*K64)),A(0) FC, Op1, Op1L		
00000A44	00000000					
00000A48	AABBCCDD		542 DC	A(REG2PATT)		
00000A4C	0000000B		543 DC	A(11) CC1		
00000A50	004B0001 00000002		544 DC	A(4*MB+(11*K64)+1),A(2),XL4'F0'		
00000A58	000000F0					

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
				546 **** 547 * tests with M3: A=1,F=0,L=0, reserved=0 (8) 548 * FC Table : SIZE: 65,536 (2 BYTE ARGUMENT) 549 * 550 * Note: Op1 length must be a multiple of 2 551 ****
00000A5C			553 M8T1	DS 0F
00000A5C	81		554 DC	X'81' Test Num
00000A5D	0000		555 DC	X'00',X'00'
00000A5F	80		556 DC	X'80'
00000A60	00001458 00000002		557 DC	A(TRTOP10),A(002) M3: A=1,F=0,L=0,---=0
00000A68	00003958 00010000		558 DC	A(TRTOP20),A(K64) Source - Op 1 & length
			559 *	Source - FC Table & length Target -
00000A70	00510000 00610000		560 DC	A(5*MB+(1*K64)),A(6*MB+(1*K64)),A(0) FC, Op1, Op1L
00000A78	00000000			
00000A7C	AABBCCDD		561 DC	A(REG2PATT)
00000A80	00000007		562 DC	A(7) CC0
00000A84	0060FFE 00000000		563 DC	A(6*MB+(1*K64)-002),A(000),A(0)
00000A8C	00000000			
00000A90		565 M8T2	DS 0F	
00000A90	82		566 DC	X'82' Test Num
00000A91	0000		567 DC	X'00',X'00'
00000A93	80		568 DC	X'80'
00000A94	00001458 00000004		569 DC	A(TRTOP10),A(004) M3: A=1,F=0,L=0,---=0
00000A9C	00003958 00010000		570 DC	A(TRTOP20),A(K64) Source - FC Table & length
			571 *	Target -
00000AA4	00520000 00620000		572 DC	A(5*MB+(2*K64)),A(6*MB+(2*K64)),A(0) FC, Op1, Op1L
00000AAC	00000000			
00000AB0	AABBCCDD		573 DC	A(REG2PATT)
00000AB4	00000007		574 DC	A(7) CC0
00000AB8	0061FFE 00000000		575 DC	A(6*MB+(2*K64)-002),A(000),A(0)
00000AC0	00000000			
00000AC4		577 M8T3	DS 0F	
00000AC4	83		578 DC	X'83' Test Num
00000AC5	0000		579 DC	X'00',X'00'
00000AC7	80		580 DC	X'80'
00000AC8	00001458 00000008		581 DC	A(TRTOP10),A(008) M3: A=1,F=0,L=0,---=0
00000AD0	00003958 00010000		582 DC	A(TRTOP20),A(K64) Source - FC Table & length
			583 *	Target -
00000AD8	00530000 00630000		584 DC	A(5*MB+(3*K64)),A(6*MB+(3*K64)),A(0) FC, Op1, Op1L
00000AE0	00000000			
00000AE4	AABBCCDD		585 DC	A(REG2PATT)
00000AE8	00000007		586 DC	A(7) CC0
00000AEC	0062FFE 00000000		587 DC	A(6*MB+(3*K64)-002),A(000),A(0)
00000AF4	00000000			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT		
00000AF8			589 M8T4	DS 0F		
00000AF8	84		590	DC X'84'	Test Num	
00000AF9	0000		591	DC X'00',X'00'		
00000AFB	80		592	DC X'80'	M3: A=1, F=0, L=0, ---=0	
00000AFC	00001458 00000100		593	DC A(TRTOP10),A(256)	Source - Op 1 & length	
00000B04	00003958 00010000		594	DC A(TRTOP20),A(K64)	Source - FC Table & length	
			595 *		Target -	
00000B0C	00540000 00640000		596	DC A(5*MB+(4*K64)),A(6*MB+(4*K64)),A(0)	FC, Op1, Op1L	
00000B14	00000000		597	DC A(REG2PATT)		
00000B18	AABBCCDD		598	DC A(7) CC0		
00000B1C	00000007		599	DC A(6*MB+(4*K64)-002),A(000),A(0)		
00000B28	00000000					
00000B2C		601 M8T5	DS 0F			
00000B2C	85	602	DC X'85'	Test Num		
00000B2D	0000	603	DC X'00',X'00'			
00000B2F	80	604	DC X'80'	M3: A=1, F=0, L=0, ---=0		
00000B30	00001558 00000100	605	DC A(TRTOP111),A(256)	Source - Op 1 & length		
00000B38	00024058 00010000	606	DC A(TRTOP811),A(K64)	Source - FC Table & length		
		607 *		Target -		
00000B40	00550000 0064FFF4	608	DC A(5*MB+(5*K64)),A(6*MB+(5*K64)-12),A(0)	FC, Op1, Op1L		
00000B48	00000000	609	DC A(REG2PATT)			
00000B4C	AABBCCDD	610	DC A(10) CC1 or CC3			
00000B50	0000000A	611	DC A(6*MB+(5*K64)-12+256-18-2),A(256-18),XL4'11'			
00000B54	006500E0 000000EE					
00000B5C	00000011					
00000B60		613 M8T6	DS 0F			
00000B60	86	614	DC X'86'	Test Num		
00000B61	0000	615	DC X'00',X'00'			
00000B63	80	616	DC X'80'	M3: A=1, F=0, L=0, ---=0		
00000B64	00001658 00000100	617	DC A(TRTOP1F0),A(256)	Source - Op 1 & length		
00000B6C	00044158 00010000	618	DC A(TRTOP8F0),A(K64)	Source - FC Table & length		
		619 *		Target -		
00000B74	00560000 0065FFF4	620	DC A(5*MB+(6*K64)),A(6*MB+(6*K64)-12),A(0)	FC, Op1, Op1L		
00000B7C	00000000	621	DC A(REG2PATT)			
00000B80	AABBCCDD	622	DC A(10) CC1 or CC3			
00000B84	0000000A	623	DC A(6*MB+(6*K64)-12),A(2),XL4'F0'			
00000B88	0065FFF4 00000002					
00000B90	000000F0					

LOC	OBJECT CODE	ADDR1	ADDR2	STMT		
00000B94			625 M8T7	DS 0F		
00000B94	87		626 DC	X'87'	Test Num	
00000B95	0000		627 DC	X'00',X'00'		
00000B97	80		628 DC	X'80'	M3: A=1, F=0, L=0, ---=0	
00000B98	00001558 00000100		629 DC	A(TRTOP111),A(256)	Source - Op 1 & length	
00000BA0	00024058 00010000		630 DC	A(TRTOP811),A(K64)	Source - FC Table & length	
			631 *		Target -	
00000BA8	0057FFE0 00680000		632 DC	A(5*MB+(8*K64)-32),A(6*MB+(8*K64)),A(0)	FC, Op1, Op1L	
00000BB0	00000000					
00000BB4	AABBCCDD		633 DC	A(REG2PATT)		
00000BB8	0000000B		634 DC	A(11) CC1		
00000BBC	006800EC 000000EE		635 DC	A(6*MB+(8*K64)+256-18-2),A(256-18),XL4'11'		
00000BC4	00000011					
00000BC8		637 M8T8	DS 0F			
00000BC8	88		638 DC	X'88'	Test Num	
00000BC9	0000		639 DC	X'00',X'00'		
00000BCB	80		640 DC	X'80'	M3: A=1, F=0, L=0, ---=0	
00000BCC	00001758 00000200		641 DC	A(TRTOP1F1),A(512)	Source - Op 1 & length	
00000BD4	00064258 00010000		642 DC	A(TRTOP8F1),A(K64)	Source - FC Table & length	
			643 *		Target -	
00000BDC	0058FFE0 00690000		644 DC	A(5*MB+(9*K64)-32),A(6*MB+(9*K64)),A(0)	FC, Op1, Op1L	
00000BE4	00000000					
00000BE8	AABBCCDD		645 DC	A(REG2PATT)		
00000BEC	0000000B		646 DC	A(11) CC1		
00000BF0	00690000 00000002		647 DC	A(6*MB+(9*K64)),A(2),XL4'F1'		
00000BF8	000000F1					
00000BFC		649 M8T9	DS 0F			
00000BFC	89		650 DC	X'89'	Test Num	
00000BFD	0000		651 DC	X'00',X'00'		
00000BFF	80		652 DC	X'80'	M3: A=1, F=0, L=0, ---=0	
00000C00	00001958 00000800		653 DC	A(TRT01L0),A(2048)	Source - Op 1 & length	
00000C08	00003958 00010000		654 DC	A(TRTOP20),A(K64)	Source - FC Table & length	
			655 *		Target -	
00000C10	005A0000 006A0000		656 DC	A(5*MB+(10*K64)),A(6*MB+(10*K64)),A(0)	FC, Op1, Op1L	
00000C18	00000000					
00000C1C	AABBCCDD		657 DC	A(REG2PATT)		
00000C20	00000007		658 DC	A(7) CC0		
00000C24	0069FFE 00000000		659 DC	A(6*MB+(10*K64)-2),A(0),XL4'00'		
00000C2C	00000000					

LOC	OBJECT CODE	ADDR1	ADDR2	STMT		
00000C30				661 M8T10 DS 0F		
00000C30	8A			662 DC X'8A'	Test Num	
00000C31	0000			663 DC X'00',X'00'		
00000C33	80			664 DC X'80'	M3: A=1, F=0, L=0, ---=0	
00000C34	00002158 00000800			665 DC A(TRT01L11),A(2048)	Source - Op 1 & length	
00000C3C	00024058 00010000			666 DC A(TRTOP811),A(K64)	Source - FC Table & length	
				667 * DC	Target -	
00000C44	005C0000 006BFF39			668 DC A(5*MB+(12*K64)),A(6*MB+(12*K64)-199),A(0) FC, Op1, Op1L		
00000C4C	00000000			669 DC A(REG2PATT)		
00000C50	AABBCCDD			670 DC A(10) CC1 or CC3		
00000C54	0000000A			671 DC A(6*MB+(12*K64)-199+(4*256)),A(1026),XL4'11'		
00000C60	00000011					
00000C64				673 M8T11 DS 0F		
00000C64	8B			674 DC X'8B'	Test Num	
00000C65	0000			675 DC X'00',X'00'		
00000C67	80			676 DC X'80'	M3: A=1, F=0, L=0, ---=0	
00000C68	00002958 00000800			677 DC A(TRT01LF0),A(2048)	Source - Op 1 & length	
00000C70	00044158 00010000			678 DC A(TRTOP8F0),A(K64)	Source - FC Table & length	
				679 * DC	Target -	
00000C78	005DFFC1 006E0000			680 DC A(5*MB+(14*K64)-63),A(6*MB+(14*K64)),A(0) FC, Op1, Op1L		
00000C80	00000000			681 DC A(REG2PATT)		
00000C84	AABBCCDD			682 DC A(11) CC1		
00000C88	0000000B			683 DC A(6*MB+(14*K64)),A(2),XL4'F0'		
00000C94	000000F0					

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	
				685 **** 686 * tests with M3: A=1,F=0,L=1, reserved=0 (10) 687 * FC Table : SIZE: 256 (2 BYTE ARGUMENT) 688 * Function Code is 1 byte 689 * Limit arg to 255 690 * 691 * Note: Op1 length must be a multiple of 2 692 ****	
00000C98				694 M10T1 DS 0F	
00000C98	A1			695 DC X'A1'	Test Num
00000C99	0000			696 DC X'00',X'00'	
00000C9B	A0			697 DC X'A0'	M3: A=1,F=0,L=1,---=0
00000C9C	00001458 00000002			698 DC A(TRTOP10),A(002)	Source - Op 1 & length
00000CA4	00003958 00000100			699 DC A(TRTOP20),A(256)	Source - FC Table & length
				700 *	Target -
00000CAC	00A00000 00B00000			701 DC A(10*MB+(0*K64)),A(11*MB+(0*K64)),A(0)	FC, Op1, Op1L
00000CB4	00000000			702 DC A(REG2PATT)	
00000CB8	AABBCCDD			703 DC A(7) CC0	
00000CBC	00000007			704 DC A(11*MB+(0*K64)-002),A(000),A(0)	
00000CC0	00AFFFFE 00000000				
00000CC8	00000000				
00000CCC				706 M10T2 DS 0F	
00000CCC	A2			707 DC X'A2'	Test Num
00000CCD	0000			708 DC X'00',X'00'	
00000CCF	A0			709 DC X'A0'	M3: A=1,F=0,L=1,---=0
00000CD0	00001458 00000004			710 DC A(TRTOP10),A(004)	Source - Op 1 & length
00000CD8	00003958 00000100			711 DC A(TRTOP20),A(256)	Source - FC Table & length
				712 *	Target -
00000CE0	00A10000 00B10000			713 DC A(10*MB+(1*K64)),A(11*MB+(1*K64)),A(0)	FC, Op1, Op1L
00000CE8	00000000			714 DC A(REG2PATT)	
00000CEC	AABBCCDD			715 DC A(7) CC0	
00000CF0	00000007			716 DC A(11*MB+(1*K64)-002),A(000),A(0)	
00000CF4	00B0FFFE 00000000				
00000CFC	00000000				
00000D00				718 M10T3 DS 0F	
00000D00	A3			719 DC X'A3'	Test Num
00000D01	0000			720 DC X'00',X'00'	
00000D03	A0			721 DC X'A0'	M3: A=1,F=0,L=1,---=0
00000D04	00001458 00000008			722 DC A(TRTOP10),A(008)	Source - Op 1 & length
00000D0C	00003958 00000100			723 DC A(TRTOP20),A(256)	Source - FC Table & length
				724 *	Target -
00000D14	00A20000 00B20000			725 DC A(10*MB+(2*K64)),A(11*MB+(2*K64)),A(0)	FC, Op1, Op1L
00000D1C	00000000			726 DC A(REG2PATT)	
00000D20	AABBCCDD			727 DC A(7) CC0	
00000D24	00000007			728 DC A(11*MB+(2*K64)-002),A(000),A(0)	
00000D28	00B1FFFE 00000000				
00000D30	00000000				

LOC	OBJECT CODE	ADDR1	ADDR2	STMT		
00000D34			730 M10T4	DS 0F		
00000D34	A4		731 DC X'A4'		Test Num	
00000D35	0000		732 DC X'00',X'00'			
00000D37	A0		733 DC X'A0'		M3: A=1, F=0, L=1, ---=0	
00000D38	00001458 00000100		734 DC A(TRTOP10),A(256)		Source - Op 1 & length	
00000D40	00003958 00000100		735 DC A(TRTOP20),A(256)		Source - FC Table & length	
			736 *		Target -	
00000D48	00A30000 00B30000		737 DC A(10*MB+(3*K64)),A(11*MB+(3*K64)),A(0)	FC, Op1, Op1L		
00000D50	00000000					
00000D54	AABBCCDD		738 DC A(REG2PATT)			
00000D58	00000007		739 DC A(7) CC0			
00000D5C	00B2FFE 00000000		740 DC A(11*MB+(3*K64)-002),A(000),A(0)			
00000D64	00000000					
00000D68			742 M10T5	DS 0F		
00000D68	A5		743 DC X'A5'		Test Num	
00000D69	0000		744 DC X'00',X'00'			
00000D6B	A0		745 DC X'A0'		M3: A=1, F=0, L=1, ---=0	
00000D6C	00001558 00000100		746 DC A(TRTOP111),A(256)		Source - Op 1 & length	
00000D74	00023A58 00000100		747 DC A(TRTOP211),A(256)		Source - FC Table & length	
			748 *		Target -	
00000D7C	00A40000 00B3FFF4		749 DC A(10*MB+(4*K64)),A(11*MB+(4*K64)-12),A(0)	FC, Op1, Op1L		
00000D84	00000000					
00000D88	AABBCCDD		750 DC A(REG2PATT)			
00000D8C	0000000A		751 DC A(10) CC1 or CC3			
00000D90	00B400E0 000000EE		752 DC A(11*MB+(4*K64)-12+256-18-2),A(256-18),XL4'11'			
00000D98	00000011					
00000D9C			754 M10T6	DS 0F		
00000D9C	A6		755 DC X'A6'		Test Num	
00000D9D	0000		756 DC X'00',X'00'			
00000D9F	A0		757 DC X'A0'		M3: A=1, F=0, L=1, ---=0	
00000DA0	00001658 00000100		758 DC A(TRTOP1F0),A(256)		Source - Op 1 & length	
00000DA8	00023B58 00000100		759 DC A(TRTOP2F0),A(256)		Source - FC Table & length	
			760 *		Target -	
00000DB0	00A50000 00B4FFF4		761 DC A(10*MB+(5*K64)),A(11*MB+(5*K64)-12),A(0)	FC, Op1, Op1L		
00000DB8	00000000					
00000DBC	AABBCCDD		762 DC A(REG2PATT)			
00000DC0	0000000A		763 DC A(10) CC1 or CC3			
00000DC4	00B4FFF4 00000002		764 DC A(11*MB+(5*K64)-12),A(2),XL4'F0'			
00000DCC	000000F0					

LOC	OBJECT CODE	ADDR1	ADDR2	STMT		
00000DD0			766	M10T7	DS 0F	
00000DD0	A7		767	DC X'A7'		Test Num
00000DD1	0000		768	DC X'00',X'00'		
00000DD3	A0		769	DC X'A0'		M3: A=1, F=0, L=1, ---=0
00000DD4	00001558 00000100		770	DC A(TRTOP111),A(256)		Source - Op 1 & length
00000DDC	00023A58 00000100		771	DC A(TRTOP211),A(256)		Source - FC Table & length
			772 *			Target -
00000DE4	00A5FFE0 00B60000		773	DC A(10*MB+(6*K64-32)),A(11*MB+(6*K64)),A(0)	FC, Op1, Op1L	
00000DEC	00000000		774	DC A(REG2PATT)		
00000DF0	AABBCCDD		775	DC A(11) CC1		
00000DF4	0000000B		776	DC A(11*MB+(6*K64)+256-18-2),A(256-18),XL4'11'		
00000E00	00000011					
00000E04			778	M10T8	DS 0F	
00000E04	A8		779	DC X'A8'		Test Num
00000E05	0000		780	DC X'00',X'00'		
00000E07	A0		781	DC X'A0'		M3: A=1, F=0, L=1, ---=0
00000E08	00001758 00000200		782	DC A(TRTOP1F1),A(512)		Source - Op 1 & length
00000E10	00064258 00000100		783	DC A(TRTOP8F1),A(256)		Source - FC Table & length
			784 *			Target -
00000E18	00A70000 00B70000		785	DC A(10*MB+(7*K64)),A(11*MB+(7*K64)),A(0)	FC, Op1, Op1L	
00000E20	00000000		786	DC A(REG2PATT)		
00000E24	AABBCCDD		787	DC A(11) CC1		
00000E28	0000000B		788	DC A(11*MB+(7*K64)),A(2),XL4'F1'		
00000E34	000000F1					
00000E38			790	M10T9	DS 0F	
00000E38	A9		791	DC X'A9'		Test Num
00000E39	0000		792	DC X'00',X'00'		
00000E3B	A0		793	DC X'A0'		M3: A=1, F=0, L=1, ---=0
00000E3C	00001958 00000800		794	DC A(TRT01L0),A(2048)		Source - Op 1 & length
00000E44	00003958 00000100		795	DC A(TRTOP20),A(256)		Source - FC Table & length
			796 *			Target -
00000E4C	00A80000 00B80000		797	DC A(10*MB+(8*K64)),A(11*MB+(8*K64)),A(0)	FC, Op1, Op1L	
00000E54	00000000		798	DC A(REG2PATT)		
00000E58	AABBCCDD		799	DC A(7) CC0		
00000E5C	00000007		800	DC A(11*MB+(8*K64)-2),A(0),XL4'00'		
00000E60	00B7FFFE 00000000					
00000E68	00000000					

LOC	OBJECT CODE	ADDR1	ADDR2	STMT		
00000E6C				802 M10T10 DS 0F		
00000E6C	AA			803 DC X'AA'	Test Num	
00000E6D	0000			804 DC X'00',X'00'		
00000E6F	A0			805 DC X'A0'	M3: A=1, F=0, L=1, ---=0	
00000E70	00002158 00000800			806 DC A(TRT01L11),A(2048)	Source - Op 1 & length	
00000E78	00023A58 00000100			807 DC A(TRTOP211),A(256)	Source - FC Table & length	
				808 * DC	Target -	
00000E80	00A90000 00B8FF39			809 DC A(10*MB+(9*K64)),A(11*MB+(9*K64)-199),A(0)	FC, Op1, Op1L	
00000E88	00000000			810 DC A(REG2PATT)		
00000E8C	AABBCCDD			811 DC A(10) CC1 or CC3		
00000E90	0000000A			812 DC A(11*MB+(9*K64)-199+(4*256)),A(1026),XL4'11'		
00000E94	00B90339 00000402					
00000E9C	00000011					
00000EA0				814 M10T11 DS 0F		
00000EA0	AB			815 DC X'AB'	Test Num	
00000EA1	0000			816 DC X'00',X'00'		
00000EA3	A0			817 DC X'A0'	M3: A=1, F=0, L=1, ---=0	
00000EA4	00002958 00000800			818 DC A(TRT01LF0),A(2048)	Source - Op 1 & length	
00000EAC	00023B58 00000100			819 DC A(TRTOP2F0),A(256)	Source - FC Table & length	
				820 * DC	Target - FC, Op1, Op1L	
00000EB4	00A9FE1F 00BA0000			821 DC A(10*MB+(10*K64)-481),A(11*MB+(10*K64)),A(0)		
00000EBC	00000000			822 DC A(REG2PATT)		
00000EC0	AABBCCDD			823 DC A(11) CC1		
00000EC4	0000000B			824 DC A(11*MB+(10*K64)),A(2),XL4'F0'		
00000EC8	00BA0000 00000002					
00000ED0	000000F0					

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	
				826 **** 827 * tests with M3: A=1,F=1,L=0, reserved=0 (12) 828 * FC Table : SIZE: 131,072 (2 BYTE ARGUMENT) 829 * Function Code is 2 bytes 830 *	
				831 * Note: Op1 length must be a multiple of 2 832 ****	
00000ED4				834 M12T1 DS 0F	
00000ED4	C1			835 DC X'C1'	Test Num
00000ED5	0000			836 DC X'00',X'00'	
00000ED7	C0			837 DC X'C0'	M3: A=1,F=1,L=0,---0
00000ED8	00001458 00000002			838 DC A(TRTOP10),A(002)	Source - Op 1 & length
00000EE0	00003958 00020000			839 DC A(TRTOP20),A(2*K64)	Source - FC Table & length
				840 *	Target -
00000EE8	00700000 00900000			841 DC A(7*MB+(0*K64)),A(9*MB+(0*K64)),A(0)	FC, Op1, Op1L
00000EF0	00000000				
00000EF4	AABBCCDD			842 DC A(REG2PATT)	
00000EF8	00000007			843 DC A(7) CC0	
00000EFC	008FFFFE 00000000			844 DC A(9*MB+(0*K64)-002),A(000),A(0)	
00000F04	00000000				
00000F08				846 M12T2 DS 0F	
00000F08	C2			847 DC X'C2'	Test Num
00000F09	0000			848 DC X'00',X'00'	
00000F0B	C0			849 DC X'C0'	M3: A=1,F=1,L=0,---0
00000F0C	00001458 00000004			850 DC A(TRTOP10),A(004)	Source - Op 1 & length
00000F14	00003958 00020000			851 DC A(TRTOP20),A(2*K64)	Source - FC Table & length
				852 *	Target -
00000F1C	00720000 00910000			853 DC A(7*MB+(2*K64)),A(9*MB+(1*K64)),A(0)	FC, Op1, Op1L
00000F24	00000000				
00000F28	AABBCCDD			854 DC A(REG2PATT)	
00000F2C	00000007			855 DC A(7) CC0	
00000F30	0090FFFE 00000000			856 DC A(9*MB+(1*K64)-002),A(000),A(0)	
00000F38	00000000				
00000F3C				858 M12T3 DS 0F	
00000F3C	C3			859 DC X'C3'	Test Num
00000F3D	0000			860 DC X'00',X'00'	
00000F3F	C0			861 DC X'C0'	M3: A=1,F=1,L=0,---0
00000F40	00001458 00000008			862 DC A(TRTOP10),A(008)	Source - Op 1 & length
00000F48	00003958 00020000			863 DC A(TRTOP20),A(2*K64)	Source - FC Table & length
				864 *	Target -
00000F50	00740000 00920000			865 DC A(7*MB+(4*K64)),A(9*MB+(2*K64)),A(0)	FC, Op1, Op1L
00000F58	00000000				
00000F5C	AABBCCDD			866 DC A(REG2PATT)	
00000F60	00000007			867 DC A(7) CC0	
00000F64	0091FFFE 00000000			868 DC A(9*MB+(2*K64)-002),A(000),A(0)	
00000F6C	00000000				

LOC	OBJECT CODE	ADDR1	ADDR2	STMT		
00000F70				870 M12T4 DS 0F		
00000F70	C4			871 DC X'C4'	Test Num	
00000F71	0000			872 DC X'00',X'00'		
00000F73	C0			873 DC X'C0'	M3: A=1, F=1, L=0, ---=0	
00000F74	00001458 00000100			874 DC A(TRTOP10),A(256)	Source - Op 1 & length	
00000F7C	00003958 00020000			875 DC A(TRTOP20),A(2*K64)	Source - FC Table & length	
				876 * DC	Target -	
00000F84	00760000 00930000			877 DC A(7*MB+(6*K64)),A(9*MB+(3*K64)),A(0)	FC, Op1, Op1L	
00000F8C	00000000			878 DC A(REG2PATT)		
00000F90	AABBCCDD			879 DC A(7) CC0		
00000F94	00000007			880 DC A(9*MB+(3*K64)-002),A(000),A(0)		
00000FA0	00000000					
00000FA4				882 M12T5 DS 0F		
00000FA4	C5			883 DC X'C5'	Test Num	
00000FA5	0000			884 DC X'00',X'00'		
00000FA7	C0			885 DC X'C0'	M3: A=1, F=1, L=0, ---=0	
00000FA8	00001558 00000100			886 DC A(TRTOP111),A(256)	Source - Op 1 & length	
00000FB0	00084358 00020000			887 DC A(TRTOPC11),A(2*K64)	Source - FC Table & length	
				888 * DC	Target -	
00000FB8	00780000 0093FFF4			889 DC A(7*MB+(8*K64)),A(9*MB+(4*K64)-12),A(0)	FC, Op1, Op1L	
00000FC0	00000000			890 DC A(REG2PATT)		
00000FC4	AABBCCDD			891 DC A(10) CC1 or CC3		
00000FC8	0000000A			892 DC A(9*MB+(4*K64)-12+256-18-2),A(256-18),XL4'11'		
00000FD4	00000011					
00000FD8				894 M12T6 DS 0F		
00000FD8	C6			895 DC X'C6'	Test Num	
00000FD9	0000			896 DC X'00',X'00'		
00000FDB	C0			897 DC X'C0'	M3: A=1, F=1, L=0, ---=0	
00000FDC	00001658 00000100			898 DC A(TRTOP1F0),A(256)	Source - Op 1 & length	
00000FE4	000A437C 00020000			899 DC A(TRTOPCF0),A(2*K64)	Source - FC Table & length	
				900 * DC	Target -	
00000FEC	007A0000 0094FFF4			901 DC A(7*MB+(10*K64)),A(9*MB+(5*K64)-12),A(0)	FC, Op1, Op1L	
00000FF4	00000000			902 DC A(REG2PATT)		
00000FF8	AABBCCDD			903 DC A(10) CC1 or CC3		
00000FFC	0000000A			904 DC A(9*MB+(5*K64)-12),A(2),XL4'F0'		
00001000	0094FFF4 00000002					
00001008	000000F0					

LOC	OBJECT CODE	ADDR1	ADDR2	STMT		
0000100C			906	M12T7	DS	0F
0000100C	C7		907	DC	X'C7'	Test Num
0000100D	0000		908	DC	X'00',X'00'	
0000100F	C0		909	DC	X'C0'	M3: A=1, F=1, L=0, ---=0
00001010	00001558 00000100		910	DC	A(TRTOP111),A(256)	Source - Op 1 & length
00001018	00084358 00020000		911	DC	A(TRTOPC11),A(2*K64)	Source - FC Table & length
			912 *			Target -
00001020	007CFFE0 00960000		913	DC	A(7*MB+(13*K64)-32),A(9*MB+(6*K64)),A(0)	FC, Op1, Op1L
00001028	00000000		914	DC	A(REG2PATT)	
0000102C	AABBCCDD		915	DC	A(11) CC1	
00001030	0000000B		916	DC	A(9*MB+(6*K64)+256-18-2),A(256-18),XL4'11'	
0000103C	00000011					
00001040			918	M12T8	DS	0F
00001040	C8		919	DC	X'C8'	Test Num
00001041	0000		920	DC	X'00',X'00'	
00001043	C0		921	DC	X'C0'	M3: A=1, F=1, L=0, ---=0
00001044	00001758 00000200		922	DC	A(TRTOP1F1),A(512)	Source - Op 1 & length
0000104C	000C457A 00020000		923	DC	A(TRTOPCF1),A(2*K64)	Source - FC Table & length
			924 *			Target -
00001054	007F0000 00970000		925	DC	A(7*MB+(15*K64)),A(9*MB+(7*K64)),A(0)	FC, Op1, Op1L
0000105C	00000000		926	DC	A(REG2PATT)	
00001060	AABBCCDD		927	DC	A(11) CC1	
00001064	0000000B		928	DC	A(9*MB+(7*K64)),A(2),XL4'F1'	
00001068	00970000 00000002					
00001070	000000F1					
00001074			930	M12T9	DS	0F
00001074	C9		931	DC	X'C9'	Test Num
00001075	0000		932	DC	X'00',X'00'	
00001077	C0		933	DC	X'C0'	M3: A=1, F=1, L=0, ---=0
00001078	00001958 00000800		934	DC	A(TRTO1L0),A(2048)	Source - Op 1 & length
00001080	00003958 00020000		935	DC	A(TRTOP20),A(2*K64)	Source - FC Table & length
			936 *			Target -
00001088	00810000 00980000		937	DC	A(7*MB+(17*K64)),A(9*MB+(8*K64)),A(0)	FC, Op1, Op1L
00001090	00000000		938	DC	A(REG2PATT)	
00001094	AABBCCDD		939	DC	A(7) CC0	
00001098	00000007		940	DC	A(9*MB+(8*K64)-2),A(0),XL4'00'	
0000109C	0097FFFE 00000000					
000010A4	00000000					

LOC	OBJECT CODE	ADDR1	ADDR2	STMT		
000010A8				942 M12T10 DS 0F		
000010A8	CA			943 DC X'CA'	Test Num	
000010A9	0000			944 DC X'00',X'00'		
000010AB	C0			945 DC X'C0'	M3: A=1, F=1, L=0, ---=0	
000010AC	00002158 00000800			946 DC A(TRT01L11),A(2048)	Source - Op 1 & length	
000010B4	00084358 00020000			947 DC A(TRTOPC11),A(2*K64)	Source - FC Table & length	
				948 * 949 DC	Target -	
000010BC	00830000 0098FF39			A(7*MB+(19*K64)),A(9*MB+(9*K64)-199),A(0)	FC, Op1, Op1L	
000010C4	00000000					
000010C8	AABBCCDD			950 DC A(REG2PATT)		
000010CC	0000000A			951 DC A(10) CC1 or CC3		
000010D0	00990339 00000402			952 DC A(9*MB+(9*K64)-199+(4*256)),A(1026),XL4'11'		
000010D8	00000011					
000010DC				954 M12T11 DS 0F		
000010DC	CB			955 DC X'CB'	Test Num	
000010DD	0000			956 DC X'00',X'00'		
000010DF	C0			957 DC X'C0'	M3: A=1, F=1, L=0, ---=0	
000010E0	00002958 00000800			958 DC A(TRT01LF0),A(2048)	Source - Op 1 & length	
000010E8	000A437C 00020000			959 DC A(TRTOPCF0),A(2*K64)	Source - FC Table & length	
				960 * 961 DC	Target -	
000010F0	0085FE1F 009A0000			A(7*MB+(22*K64)-481),A(9*MB+(10*K64)),A(0)	FC, Op1, Op1L	
000010F8	00000000					
000010FC	AABBCCDD			962 DC A(REG2PATT)		
00001100	0000000B			963 DC A(11) CC1		
00001104	009A0000 00000002			964 DC A(9*MB+(10*K64)),A(2),XL4'F0'		
0000110C	000000F0					
00001110				966 M12T12 DS 0F		
00001110	CC			967 DC X'CC'	Test Num	
00001111	0000			968 DC X'00',X'00'		
00001113	C0			969 DC X'C0'	M3: A=1, F=1, L=0, ---=0	
00001114	00003158 00000800			970 DC A(TRT01LFF),A(2048)	Source - Op 1 & length	
0000111C	000E477A 00020000			971 DC A(TRTOPCFF),A(2*K64)	Source - FC Table & length	
				972 * 973 DC	Target -	
00001124	0087FE1F 009B0000			A(7*MB+(24*K64)-481),A(9*MB+(11*K64)),A(0)	FC, Op1, Op1L	
0000112C	00000000					
00001130	AABBCCDD			974 DC A(REG2PATT)		
00001134	0000000A			975 DC A(10) CC1 or CC3		
00001138	009B0000 00000002			976 DC A(9*MB+(11*K64)),A(2),XL4'FFF0'		
00001140	0000FFFF0					

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	
				978 **** 979 * tests with M3: A=1,F=1,L=1, reserved=0 (14) 980 * FC Table : SIZE: 512 (2 BYTE ARGUMENT) 981 * Function Code is 2 byte 982 * Limit arg to 255 983 * 984 * Note: Op1 length must be a multiple of 2 985 ****	
00001144				987 M14T1 DS 0F	
00001144	E1			988 DC X'E1'	Test Num
00001145	0000			989 DC X'00',X'00'	
00001147	E0			990 DC X'E0'	M3: A=1,F=1,L=1,---=0
00001148	00001458 00000002			991 DC A(TRTOP10),A(002)	Source - Op 1 & length
00001150	00003958 00000200			992 DC A(TRTOP20),A(512)	Source - FC Table & length
				993 *	Target -
00001158	00B00000 00C00000			994 DC A(11*MB+(0*K64)),A(12*MB+(0*K64)),A(0)	FC, Op1, Op1L
00001160	00000000			995 DC A(REG2PATT)	
00001164	AABBCCDD			996 DC A(7) CC0	
00001168	00000007			997 DC A(12*MB+(0*K64)-002),A(000),A(0)	
00001174	00000000				
00001178				999 M14T2 DS 0F	
00001178	E2			1000 DC X'E2'	Test Num
00001179	0000			1001 DC X'00',X'00'	
0000117B	E0			1002 DC X'E0'	M3: A=1,F=1,L=1,---=0
0000117C	00001458 00000004			1003 DC A(TRTOP10),A(004)	Source - Op 1 & length
00001184	00003958 00000200			1004 DC A(TRTOP20),A(512)	Source - FC Table & length
				1005 *	Target -
0000118C	00B10000 00C10000			1006 DC A(11*MB+(1*K64)),A(12*MB+(1*K64)),A(0)	FC, Op1, Op1L
00001194	00000000			1007 DC A(REG2PATT)	
00001198	AABBCCDD			1008 DC A(7) CC0	
0000119C	00000007			1009 DC A(12*MB+(1*K64)-002),A(000),A(0)	
000011A0	00C0FFE 00000000				
000011A8	00000000				
000011AC				1011 M14T3 DS 0F	
000011AC	E3			1012 DC X'E3'	Test Num
000011AD	0000			1013 DC X'00',X'00'	
000011AF	E0			1014 DC X'E0'	M3: A=1,F=1,L=1,---=0
000011B0	00001458 00000008			1015 DC A(TRTOP10),A(008)	Source - Op 1 & length
000011B8	00003958 00000200			1016 DC A(TRTOP20),A(512)	Source - FC Table & length
				1017 *	Target -
000011C0	00B20000 00C20000			1018 DC A(11*MB+(2*K64)),A(12*MB+(2*K64)),A(0)	FC, Op1, Op1L
000011C8	00000000			1019 DC A(REG2PATT)	
000011CC	AABBCCDD			1020 DC A(7) CC0	
000011D0	00000007			1021 DC A(12*MB+(2*K64)-002),A(000),A(0)	
000011D4	00C1FFE 00000000				
000011DC	00000000				

LOC	OBJECT CODE	ADDR1	ADDR2	STMT		
000011E0				1023 M14T4 DS 0F		
000011E0	E4			1024 DC X'E4'	Test Num	
000011E1	0000			1025 DC X'00',X'00'		
000011E3	E0			1026 DC X'E0'	M3: A=1, F=1, L=1, ---=0	
000011E4	00001458 00000100			1027 DC A(TRTOP10),A(256)	Source - Op 1 & length	
000011EC	00003958 00000200			1028 DC A(TRTOP20),A(512)	Source - FC Table & length	
				1029 * DC	Target -	
000011F4	00B30000 00C30000			1030 DC A(11*MB+(3*K64)),A(12*MB+(3*K64)),A(0)	FC, Op1, Op1L	
000011FC	00000000			1031 DC A(REG2PATT)		
00001200	AABBCCDD			1032 DC A(7) CC0		
00001204	00000007			1033 DC A(12*MB+(3*K64)-002),A(000),A(0)		
00001210	00000000					
00001214				1035 M14T5 DS 0F		
00001214	E5			1036 DC X'E5'	Test Num	
00001215	0000			1037 DC X'00',X'00'		
00001217	E0			1038 DC X'E0'	M3: A=1, F=1, L=1, ---=0	
00001218	00001558 00000100			1039 DC A(TRTOP111),A(256)	Source - Op 1 & length	
00001220	00023C58 00000200			1040 DC A(TRTOP411),A(512)	Source - FC Table & length	
				1041 * DC	Target -	
00001228	00B40000 00C3FFF4			1042 DC A(11*MB+(4*K64)),A(12*MB+(4*K64)-12),A(0)	FC, Op1, Op1L	
00001230	00000000			1043 DC A(REG2PATT)		
00001234	AABBCCDD			1044 DC A(10) CC1 or CC3		
00001238	0000000A			1045 DC A(12*MB+(4*K64)-12+256-18-2),A(256-18),XL4'11'		
00001244	00000011					
00001248				1047 M14T6 DS 0F		
00001248	E6			1048 DC X'E6'	Test Num	
00001249	0000			1049 DC X'00',X'00'		
0000124B	E0			1050 DC X'E0'	M3: A=1, F=1, L=1, ---=0	
0000124C	00001658 00000100			1051 DC A(TRTOP1F0),A(256)	Source - Op 1 & length	
00001254	00023E58 00000200			1052 DC A(TRTOP4F0),A(512)	Source - FC Table & length	
				1053 * DC	Target -	
0000125C	00B50000 00C4FFF4			1054 DC A(11*MB+(5*K64)),A(12*MB+(5*K64)-12),A(0)	FC, Op1, Op1L	
00001264	00000000			1055 DC A(REG2PATT)		
00001268	AABBCCDD			1056 DC A(10) CC1 or CC3		
0000126C	0000000A			1057 DC A(12*MB+(5*K64)-12),A(2),XL4'F0'		
00001270	00C4FFF4 00000002					
00001278	000000F0					

LOC	OBJECT CODE	ADDR1	ADDR2	STMT		
0000127C				1059 M14T7 DS 0F		
0000127C	E7			1060 DC X'E7'	Test Num	
0000127D	0000			1061 DC X'00',X'00'		
0000127F	E0			1062 DC X'E0'	M3: A=1, F=1, L=1, ---=0	
00001280	00001558 00000100			1063 DC A(TRTOP111),A(256)	Source - Op 1 & length	
00001288	00023C58 00000200			1064 DC A(TRTOP411),A(512)	Source - FC Table & length	
				1065 * 1066 DC	Target -	
00001290	00B5FFE0 00C60000			A(11*MB+(6*K64)-32),A(12*MB+(6*K64)),A(0) FC, Op1, Op1L		
00001298	00000000			1067 DC A(REG2PATT)		
0000129C	AABBCCDD			1068 DC A(11) CC1		
000012A0	0000000B			1069 DC A(12*MB+(6*K64)+256-18-2),A(256-18),XL4'11'		
000012AC	00000011					
000012B0				1071 M14T8 DS 0F		
000012B0	E8			1072 DC X'E8'	Test Num	
000012B1	0000			1073 DC X'00',X'00'		
000012B3	E0			1074 DC X'E0'	M3: A=1, F=1, L=1, ---=0	
000012B4	00001758 00000200			1075 DC A(TRTOP1F1),A(512)	Source - Op 1 & length	
000012BC	000C457A 00000200			1076 DC A(TRTOPCF1),A(512)	Source - FC Table & length	
				1077 * 1078 DC	Target -	
000012C4	00B70000 00C70000			A(11*MB+(7*K64)),A(12*MB+(7*K64)),A(0) FC, Op1, Op1L		
000012CC	00000000			1079 DC A(REG2PATT)		
000012D0	AABBCCDD			1080 DC A(11) CC1		
000012D4	0000000B			1081 DC A(12*MB+(7*K64)),A(2),XL4'F1'		
000012D8	00C70000 00000002					
000012E0	000000F1					
000012E4				1083 M14T9 DS 0F		
000012E4	E9			1084 DC X'E9'	Test Num	
000012E5	0000			1085 DC X'00',X'00'		
000012E7	E0			1086 DC X'E0'	M3: A=1, F=1, L=1, ---=0	
000012E8	00001958 00000800			1087 DC A(TRT01L0),A(2048)	Source - Op 1 & length	
000012F0	00003958 00000200			1088 DC A(TRTOP20),A(512)	Source - FC Table & length	
				1089 * 1090 DC	Target -	
000012F8	00B80000 00C80000			A(11*MB+(8*K64)),A(12*MB+(8*K64)),A(0) FC, Op1, Op1L		
00001300	00000000			1091 DC A(REG2PATT)		
00001304	AABBCCDD			1092 DC A(7) CC0		
00001308	00000007			1093 DC A(12*MB+(8*K64)-2),A(000),A(0)		
0000130C	00C7FFFE 00000000					
00001314	00000000					

LOC	OBJECT CODE	ADDR1	ADDR2	STMT		
00001318				1095 M14T10 DS 0F		
00001318	EA			1096 DC X'EA'	Test Num	
00001319	0000			1097 DC X'00',X'00'		
0000131B	E0			1098 DC X'E0'	M3: A=1, F=1, L=1, ---=0	
0000131C	00002158 00000800			1099 DC A(TRT01L11),A(2048)	Source - Op 1 & length	
00001324	00023C58 00000200			1100 DC A(TRTOP411),A(512)	Source - FC Table & length	
				1101 * DC	Target -	
0000132C	00B90000 00C8FF38			1102 DC A(11*MB+(9*K64)),A(12*MB+(9*K64)-200),A(0) FC, Op1, Op1L		
00001334	00000000					
00001338	AABBCCDD			1103 DC A(REG2PATT)		
0000133C	0000000A			1104 DC A(10) CC1 or CC3		
00001340	00C90338 00000402			1105 DC A(12*MB+(9*K64)-200+(4*256)),A(1026),XL4'11'		
00001348	00000011					
0000134C				1107 M14T11 DS 0F		
0000134C	EB			1108 DC X'EB'	Test Num	
0000134D	0000			1109 DC X'00',X'00'		
0000134F	E0			1110 DC X'E0'	M3: A=1, F=1, L=1, ---=0	
00001350	00002958 00000800			1111 DC A(TRT01LF0),A(2048)	Source - Op 1 & length	
00001358	00023E58 00000200			1112 DC A(TRTOP4F0),A(512)	Source - FC Table & length	
				1113 * DC	Target - FC, Op1, Op1L	
00001360	00B9FFC0 00CA0000			1114 DC A(11*MB+(10*K64)-64),A(12*MB+(10*K64)),A(0)		
00001368	00000000					
0000136C	AABBCCDD			1115 DC A(REG2PATT)		
00001370	0000000B			1116 DC A(11) CC1		
00001374	00CA0000 00000002			1117 DC A(12*MB+(10*K64)),A(2),XL4'F0'		
0000137C	000000F0					

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
				1119 **** 1120 * Check performance tests are valid. 1121 * tests with M3: A=1,F=1,L=0, reserved=0 (12) 1122 * FC Table : SIZE: 131,072 (2 BYTE ARGUMENT) 1123 * Function Code is 2 bytes 1124 * 1125 * Note: Op1 length must be a multiple of 2 1126 ****
00001380		1128 F12T8	DS 0F	
00001380	F8	1129 DC X'F8'		Test Num
00001381	0000	1130 DC X'00',X'00'		
00001383	C0	1131 DC X'C0'		M3: A=1,F=1,L=0,---=0
00001384	00001758 00000200	1132 DC A(TRTOP1F1),A(512)		Source - Op 1 & length
0000138C	000C457A 00020000	1133 DC A(TRTOPCF1),A(2*K64)		Source - FC Table & length
		1134 *		Target -
00001394	00710000 00910000	1135 DC A(7*MB+(1*K64)),A(9*MB+(1*K64)),A(0)	FC, Op1, Op1L	
0000139C	00000000	1136 DC A(REG2PATT)		
000013A0	AABBCCDD	1137 DC A(11) CC1		
000013A4	0000000B	1138 DC A(9*MB+(1*K64)),A(2),XL4'F1'		
000013A8	00910000 00000002			
000013B0	000000F1			
000013B4		1140 F12T8A	DS 0F	
000013B4	F9	1141 DC X'F9'		Test Num
000013B5	0000	1142 DC X'00',X'00'		
000013B7	C0	1143 DC X'C0'		M3: A=1,F=1,L=0,---=0
000013B8	00001758 00000200	1144 DC A(TRTOP1F1),A(512)		Source - Op 1 & length
000013C0	000C457A 00020000	1145 DC A(TRTOPCF1),A(2*K64)		Source - FC Table & length
		1146 *		Target - FC, Op1, Op1L
000013C8	0072FF81 0092FF81	1147 DC A(7*MB+(3*K64)-127),A(9*MB+(3*K64)-127),A(0)		
000013D0	00000000	1148 DC A(REG2PATT)		
000013D4	AABBCCDD	1149 DC A(10) CC1 or CC3		
000013D8	0000000A	1150 DC A(9*MB+(3*K64)-127),A(2),XL4'F1'		
000013DC	0092FF81 00000002			
000013E4	000000F1			
000013E8		1152 F12T11	DS 0F	
000013E8	FB	1153 DC X'FB'		Test Num
000013E9	0000	1154 DC X'00',X'00'		
000013EB	C0	1155 DC X'C0'		M3: A=1,F=1,L=0,---=0
000013EC	00002958 00000800	1156 DC A(TRT01LF0),A(2048)		Source - Op 1 & length
000013F4	000A437C 00020000	1157 DC A(TRTOPCF0),A(2*K64)		Source - FC Table & length
		1158 *		Target -
000013FC	00760000 00960000	1159 DC A(7*MB+(6*K64)),A(9*MB+(6*K64)),A(0)	FC, Op1, Op1L	
00001404	00000000	1160 DC A(REG2PATT)		
00001408	AABBCCDD	1161 DC A(11) CC1		
0000140C	0000000B	1162 DC A(9*MB+(6*K64)),A(2),XL4'F0'		
00001410	00960000 00000002			
00001418	000000F0			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	
0000141C			1164	F12T11A DS 0F	
0000141C	FC		1165	DC X'FC'	Test Num
0000141D	0000		1166	DC X'00',X'00'	
0000141F	C0		1167	DC X'C0'	M3: A=1, F=1, L=0, ---=0
00001420	00002958 00000800		1168	DC A(TRT01LF0),A(2048)	Source - Op 1 & length
00001428	000A437C 00020000		1169	DC A(TRTOPCF0),A(2*K64)	Source - FC Table & length
			1170 *		Target - FC, Op1, Op1L
00001430	0078FE1F 0098FE1F		1171	DC A(7*MB+(9*K64)-481),A(9*MB+(9*K64)-481),A(0)	
00001438	00000000		1172	DC A(REG2PATT)	
0000143C	AABBCCDD		1173	DC A(10) CC1 or CC3	
00001440	0000000A		1174	DC A(9*MB+(9*K64)-481),A(2),XL4'F0'	
00001444	0098FE1F 00000002				
0000144C	000000F0				
00001450	00000000		1176	DC A(0) end of table	
00001454	00000000		1177	DC A(0) end of table	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
				1179 **** 1180 * TRTRE op1 scan data... 1181 ****
00001458	78125634	78125634		1183 TRTOP10 DC 64XL4 '78125634' (CC0)
00001460	78125634	78125634		
00001468	78125634	78125634		
00001470	78125634	78125634		
00001478	78125634	78125634		
00001480	78125634	78125634		
00001488	78125634	78125634		
00001490	78125634	78125634		
00001498	78125634	78125634		
000014A0	78125634	78125634		
000014A8	78125634	78125634		
000014B0	78125634	78125634		
000014B8	78125634	78125634		
000014C0	78125634	78125634		
000014C8	78125634	78125634		
000014D0	78125634	78125634		
000014D8	78125634	78125634		
000014E0	78125634	78125634		
000014E8	78125634	78125634		
000014F0	78125634	78125634		
000014F8	78125634	78125634		
00001500	78125634	78125634		
00001508	78125634	78125634		
00001510	78125634	78125634		
00001518	78125634	78125634		
00001520	78125634	78125634		
00001528	78125634	78125634		
00001530	78125634	78125634		
00001538	78125634	78125634		
00001540	78125634	78125634		
00001548	78125634	78125634		
00001550	78125634	78125634		
00001558	78125634	78125634		1185 TRTOP111 DC 59XL4 '78125634',X'00110000',04XL4 '78125634' (CC1)
00001560	78125634	78125634		
00001568	78125634	78125634		
00001570	78125634	78125634		
00001578	78125634	78125634		
00001580	78125634	78125634		
00001588	78125634	78125634		
00001590	78125634	78125634		
00001598	78125634	78125634		
000015A0	78125634	78125634		
000015A8	78125634	78125634		
000015B0	78125634	78125634		
000015B8	78125634	78125634		
000015C0	78125634	78125634		
000015C8	78125634	78125634		
000015D0	78125634	78125634		
000015D8	78125634	78125634		
000015E0	78125634	78125634		
000015E8	78125634	78125634		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
000015F0	78125634	78125634		
000015F8	78125634	78125634		
00001600	78125634	78125634		
00001608	78125634	78125634		
00001610	78125634	78125634		
00001618	78125634	78125634		
00001620	78125634	78125634		
00001628	78125634	78125634		
00001630	78125634	78125634		
00001638	78125634	78125634		
00001640	78125634	00110000		
00001648	78125634	78125634		
00001650	78125634	78125634		
00001658	00F00000	78125634		1187 TRTOP1F0 DC X'00F00000',63XL4'78125634' (CC1)
00001660	78125634	78125634		
00001668	78125634	78125634		
00001670	78125634	78125634		
00001678	78125634	78125634		
00001680	78125634	78125634		
00001688	78125634	78125634		
00001690	78125634	78125634		
00001698	78125634	78125634		
000016A0	78125634	78125634		
000016A8	78125634	78125634		
000016B0	78125634	78125634		
000016B8	78125634	78125634		
000016C0	78125634	78125634		
000016C8	78125634	78125634		
000016D0	78125634	78125634		
000016D8	78125634	78125634		
000016E0	78125634	78125634		
000016E8	78125634	78125634		
000016F0	78125634	78125634		
000016F8	78125634	78125634		
00001700	78125634	78125634		
00001708	78125634	78125634		
00001710	78125634	78125634		
00001718	78125634	78125634		
00001720	78125634	78125634		
00001728	78125634	78125634		
00001730	78125634	78125634		
00001738	78125634	78125634		
00001740	78125634	78125634		
00001748	78125634	78125634		
00001750	78125634	78125634		
00001758	00F10000	78125634		1189 TRTOP1F1 DC X'00F10000',127XL4'78125634' (CC1)
00001760	78125634	78125634		
00001768	78125634	78125634		
00001770	78125634	78125634		
00001778	78125634	78125634		
00001780	78125634	78125634		
00001788	78125634	78125634		
00001790	78125634	78125634		
00001798	78125634	78125634		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
000017A0	78125634	78125634		
000017A8	78125634	78125634		
000017B0	78125634	78125634		
000017B8	78125634	78125634		
000017C0	78125634	78125634		
000017C8	78125634	78125634		
000017D0	78125634	78125634		
000017D8	78125634	78125634		
000017E0	78125634	78125634		
000017E8	78125634	78125634		
000017F0	78125634	78125634		
000017F8	78125634	78125634		
00001800	78125634	78125634		
00001808	78125634	78125634		
00001810	78125634	78125634		
00001818	78125634	78125634		
00001820	78125634	78125634		
00001828	78125634	78125634		
00001830	78125634	78125634		
00001838	78125634	78125634		
00001840	78125634	78125634		
00001848	78125634	78125634		
00001850	78125634	78125634		
00001858	78125634	78125634		
00001860	78125634	78125634		
00001868	78125634	78125634		
00001870	78125634	78125634		
00001878	78125634	78125634		
00001880	78125634	78125634		
00001888	78125634	78125634		
00001890	78125634	78125634		
00001898	78125634	78125634		
000018A0	78125634	78125634		
000018A8	78125634	78125634		
000018B0	78125634	78125634		
000018B8	78125634	78125634		
000018C0	78125634	78125634		
000018C8	78125634	78125634		
000018D0	78125634	78125634		
000018D8	78125634	78125634		
000018E0	78125634	78125634		
000018E8	78125634	78125634		
000018F0	78125634	78125634		
000018F8	78125634	78125634		
00001900	78125634	78125634		
00001908	78125634	78125634		
00001910	78125634	78125634		
00001918	78125634	78125634		
00001920	78125634	78125634		
00001928	78125634	78125634		
00001930	78125634	78125634		
00001938	78125634	78125634		
00001940	78125634	78125634		
00001948	78125634	78125634		
00001950	78125634	78125634		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	
00001958	98765432	98765432		1191 TRT01L0 DC 512XL4'98765432'	(CC0)
00001960	98765432	98765432			
00001968	98765432	98765432			
00001970	98765432	98765432			
00001978	98765432	98765432			
00001980	98765432	98765432			
00001988	98765432	98765432			
00001990	98765432	98765432			
00001998	98765432	98765432			
000019A0	98765432	98765432			
000019A8	98765432	98765432			
000019B0	98765432	98765432			
000019B8	98765432	98765432			
000019C0	98765432	98765432			
000019C8	98765432	98765432			
000019D0	98765432	98765432			
000019D8	98765432	98765432			
000019E0	98765432	98765432			
000019E8	98765432	98765432			
000019F0	98765432	98765432			
000019F8	98765432	98765432			
00001A00	98765432	98765432			
00001A08	98765432	98765432			
00001A10	98765432	98765432			
00001A18	98765432	98765432			
00001A20	98765432	98765432			
00001A28	98765432	98765432			
00001A30	98765432	98765432			
00001A38	98765432	98765432			
00001A40	98765432	98765432			
00001A48	98765432	98765432			
00001A50	98765432	98765432			
00001A58	98765432	98765432			
00001A60	98765432	98765432			
00001A68	98765432	98765432			
00001A70	98765432	98765432			
00001A78	98765432	98765432			
00001A80	98765432	98765432			
00001A88	98765432	98765432			
00001A90	98765432	98765432			
00001A98	98765432	98765432			
00001AA0	98765432	98765432			
00001AA8	98765432	98765432			
00001AB0	98765432	98765432			
00001AB8	98765432	98765432			
00001AC0	98765432	98765432			
00001AC8	98765432	98765432			
00001AD0	98765432	98765432			
00001AD8	98765432	98765432			
00001AE0	98765432	98765432			
00001AE8	98765432	98765432			
00001AF0	98765432	98765432			
00001AF8	98765432	98765432			
00001B00	98765432	98765432			
00001B08	98765432	98765432			
00001B10	98765432	98765432			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00001B18	98765432	98765432		
00001B20	98765432	98765432		
00001B28	98765432	98765432		
00001B30	98765432	98765432		
00001B38	98765432	98765432		
00001B40	98765432	98765432		
00001B48	98765432	98765432		
00001B50	98765432	98765432		
00001B58	98765432	98765432		
00001B60	98765432	98765432		
00001B68	98765432	98765432		
00001B70	98765432	98765432		
00001B78	98765432	98765432		
00001B80	98765432	98765432		
00001B88	98765432	98765432		
00001B90	98765432	98765432		
00001B98	98765432	98765432		
00001BA0	98765432	98765432		
00001BA8	98765432	98765432		
00001BB0	98765432	98765432		
00001BB8	98765432	98765432		
00001BC0	98765432	98765432		
00001BC8	98765432	98765432		
00001BD0	98765432	98765432		
00001BD8	98765432	98765432		
00001BE0	98765432	98765432		
00001BE8	98765432	98765432		
00001BF0	98765432	98765432		
00001BF8	98765432	98765432		
00001C00	98765432	98765432		
00001C08	98765432	98765432		
00001C10	98765432	98765432		
00001C18	98765432	98765432		
00001C20	98765432	98765432		
00001C28	98765432	98765432		
00001C30	98765432	98765432		
00001C38	98765432	98765432		
00001C40	98765432	98765432		
00001C48	98765432	98765432		
00001C50	98765432	98765432		
00001C58	98765432	98765432		
00001C60	98765432	98765432		
00001C68	98765432	98765432		
00001C70	98765432	98765432		
00001C78	98765432	98765432		
00001C80	98765432	98765432		
00001C88	98765432	98765432		
00001C90	98765432	98765432		
00001C98	98765432	98765432		
00001CA0	98765432	98765432		
00001CA8	98765432	98765432		
00001CB0	98765432	98765432		
00001CB8	98765432	98765432		
00001CC0	98765432	98765432		
00001CC8	98765432	98765432		
00001CD0	98765432	98765432		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00001CD8	98765432			
00001CE0	98765432			
00001CE8	98765432			
00001CF0	98765432			
00001CF8	98765432			
00001D00	98765432			
00001D08	98765432			
00001D10	98765432			
00001D18	98765432			
00001D20	98765432			
00001D28	98765432			
00001D30	98765432			
00001D38	98765432			
00001D40	98765432			
00001D48	98765432			
00001D50	98765432			
00001D58	98765432			
00001D60	98765432			
00001D68	98765432			
00001D70	98765432			
00001D78	98765432			
00001D80	98765432			
00001D88	98765432			
00001D90	98765432			
00001D98	98765432			
00001DA0	98765432			
00001DA8	98765432			
00001DB0	98765432			
00001DB8	98765432			
00001DC0	98765432			
00001DC8	98765432			
00001DD0	98765432			
00001DD8	98765432			
00001DE0	98765432			
00001DE8	98765432			
00001DF0	98765432			
00001DF8	98765432			
00001E00	98765432			
00001E08	98765432			
00001E10	98765432			
00001E18	98765432			
00001E20	98765432			
00001E28	98765432			
00001E30	98765432			
00001E38	98765432			
00001E40	98765432			
00001E48	98765432			
00001E50	98765432			
00001E58	98765432			
00001E60	98765432			
00001E68	98765432			
00001E70	98765432			
00001E78	98765432			
00001E80	98765432			
00001E88	98765432			
00001E90	98765432			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00001E98	98765432			
00001EA0	98765432			
00001EA8	98765432			
00001EB0	98765432			
00001EB8	98765432			
00001EC0	98765432			
00001EC8	98765432			
00001ED0	98765432			
00001ED8	98765432			
00001EE0	98765432			
00001EE8	98765432			
00001EF0	98765432			
00001EF8	98765432			
00001F00	98765432			
00001F08	98765432			
00001F10	98765432			
00001F18	98765432			
00001F20	98765432			
00001F28	98765432			
00001F30	98765432			
00001F38	98765432			
00001F40	98765432			
00001F48	98765432			
00001F50	98765432			
00001F58	98765432			
00001F60	98765432			
00001F68	98765432			
00001F70	98765432			
00001F78	98765432			
00001F80	98765432			
00001F88	98765432			
00001F90	98765432			
00001F98	98765432			
00001FA0	98765432			
00001FA8	98765432			
00001FB0	98765432			
00001FB8	98765432			
00001FC0	98765432			
00001FC8	98765432			
00001FD0	98765432			
00001FD8	98765432			
00001FE0	98765432			
00001FE8	98765432			
00001FF0	98765432			
00001FF8	98765432			
00002000	98765432			
00002008	98765432			
00002010	98765432			
00002018	98765432			
00002020	98765432			
00002028	98765432			
00002030	98765432			
00002038	98765432			
00002040	98765432			
00002048	98765432			
00002050	98765432			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00002058	98765432			
00002060	98765432			
00002068	98765432			
00002070	98765432			
00002078	98765432			
00002080	98765432			
00002088	98765432			
00002090	98765432			
00002098	98765432			
000020A0	98765432			
000020A8	98765432			
000020B0	98765432			
000020B8	98765432			
000020C0	98765432			
000020C8	98765432			
000020D0	98765432			
000020D8	98765432			
000020E0	98765432			
000020E8	98765432			
000020F0	98765432			
000020F8	98765432			
00002100	98765432			
00002108	98765432			
00002110	98765432			
00002118	98765432			
00002120	98765432			
00002128	98765432			
00002130	98765432			
00002138	98765432			
00002140	98765432			
00002148	98765432			
00002150	98765432			
00002158	98765432	98765432		1193 TRT01L11 DC 256XL4'98765432',X'00110000',255XL4'98765432' (CC1)
00002160	98765432	98765432		
00002168	98765432	98765432		
00002170	98765432	98765432		
00002178	98765432	98765432		
00002180	98765432	98765432		
00002188	98765432	98765432		
00002190	98765432	98765432		
00002198	98765432	98765432		
000021A0	98765432	98765432		
000021A8	98765432	98765432		
000021B0	98765432	98765432		
000021B8	98765432	98765432		
000021C0	98765432	98765432		
000021C8	98765432	98765432		
000021D0	98765432	98765432		
000021D8	98765432	98765432		
000021E0	98765432	98765432		
000021E8	98765432	98765432		
000021F0	98765432	98765432		
000021F8	98765432	98765432		
00002200	98765432	98765432		
00002208	98765432	98765432		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00002210	98765432			
00002218	98765432			
00002220	98765432			
00002228	98765432			
00002230	98765432			
00002238	98765432			
00002240	98765432			
00002248	98765432			
00002250	98765432			
00002258	98765432			
00002260	98765432			
00002268	98765432			
00002270	98765432			
00002278	98765432			
00002280	98765432			
00002288	98765432			
00002290	98765432			
00002298	98765432			
000022A0	98765432			
000022A8	98765432			
000022B0	98765432			
000022B8	98765432			
000022C0	98765432			
000022C8	98765432			
000022D0	98765432			
000022D8	98765432			
000022E0	98765432			
000022E8	98765432			
000022F0	98765432			
000022F8	98765432			
00002300	98765432			
00002308	98765432			
00002310	98765432			
00002318	98765432			
00002320	98765432			
00002328	98765432			
00002330	98765432			
00002338	98765432			
00002340	98765432			
00002348	98765432			
00002350	98765432			
00002358	98765432			
00002360	98765432			
00002368	98765432			
00002370	98765432			
00002378	98765432			
00002380	98765432			
00002388	98765432			
00002390	98765432			
00002398	98765432			
000023A0	98765432			
000023A8	98765432			
000023B0	98765432			
000023B8	98765432			
000023C0	98765432			
000023C8	98765432			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
000023D0	98765432			
000023D8	98765432			
000023E0	98765432			
000023E8	98765432			
000023F0	98765432			
000023F8	98765432			
00002400	98765432			
00002408	98765432			
00002410	98765432			
00002418	98765432			
00002420	98765432			
00002428	98765432			
00002430	98765432			
00002438	98765432			
00002440	98765432			
00002448	98765432			
00002450	98765432			
00002458	98765432			
00002460	98765432			
00002468	98765432			
00002470	98765432			
00002478	98765432			
00002480	98765432			
00002488	98765432			
00002490	98765432			
00002498	98765432			
000024A0	98765432			
000024A8	98765432			
000024B0	98765432			
000024B8	98765432			
000024C0	98765432			
000024C8	98765432			
000024D0	98765432			
000024D8	98765432			
000024E0	98765432			
000024E8	98765432			
000024F0	98765432			
000024F8	98765432			
00002500	98765432			
00002508	98765432			
00002510	98765432			
00002518	98765432			
00002520	98765432			
00002528	98765432			
00002530	98765432			
00002538	98765432			
00002540	98765432			
00002548	98765432			
00002550	98765432			
00002558	00110000			
00002560	98765432			
00002568	98765432			
00002570	98765432			
00002578	98765432			
00002580	98765432			
00002588	98765432			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00002590	98765432			
00002598	98765432			
000025A0	98765432			
000025A8	98765432			
000025B0	98765432			
000025B8	98765432			
000025C0	98765432			
000025C8	98765432			
000025D0	98765432			
000025D8	98765432			
000025E0	98765432			
000025E8	98765432			
000025F0	98765432			
000025F8	98765432			
00002600	98765432			
00002608	98765432			
00002610	98765432			
00002618	98765432			
00002620	98765432			
00002628	98765432			
00002630	98765432			
00002638	98765432			
00002640	98765432			
00002648	98765432			
00002650	98765432			
00002658	98765432			
00002660	98765432			
00002668	98765432			
00002670	98765432			
00002678	98765432			
00002680	98765432			
00002688	98765432			
00002690	98765432			
00002698	98765432			
000026A0	98765432			
000026A8	98765432			
000026B0	98765432			
000026B8	98765432			
000026C0	98765432			
000026C8	98765432			
000026D0	98765432			
000026D8	98765432			
000026E0	98765432			
000026E8	98765432			
000026F0	98765432			
000026F8	98765432			
00002700	98765432			
00002708	98765432			
00002710	98765432			
00002718	98765432			
00002720	98765432			
00002728	98765432			
00002730	98765432			
00002738	98765432			
00002740	98765432			
00002748	98765432			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00002750	98765432			
00002758	98765432			
00002760	98765432			
00002768	98765432			
00002770	98765432			
00002778	98765432			
00002780	98765432			
00002788	98765432			
00002790	98765432			
00002798	98765432			
000027A0	98765432			
000027A8	98765432			
000027B0	98765432			
000027B8	98765432			
000027C0	98765432			
000027C8	98765432			
000027D0	98765432			
000027D8	98765432			
000027E0	98765432			
000027E8	98765432			
000027F0	98765432			
000027F8	98765432			
00002800	98765432			
00002808	98765432			
00002810	98765432			
00002818	98765432			
00002820	98765432			
00002828	98765432			
00002830	98765432			
00002838	98765432			
00002840	98765432			
00002848	98765432			
00002850	98765432			
00002858	98765432			
00002860	98765432			
00002868	98765432			
00002870	98765432			
00002878	98765432			
00002880	98765432			
00002888	98765432			
00002890	98765432			
00002898	98765432			
000028A0	98765432			
000028A8	98765432			
000028B0	98765432			
000028B8	98765432			
000028C0	98765432			
000028C8	98765432			
000028D0	98765432			
000028D8	98765432			
000028E0	98765432			
000028E8	98765432			
000028F0	98765432			
000028F8	98765432			
00002900	98765432			
00002908	98765432			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00002910	98765432			
00002918	98765432			
00002920	98765432			
00002928	98765432			
00002930	98765432			
00002938	98765432			
00002940	98765432			
00002948	98765432			
00002950	98765432			
00002958	00F00000	98765432		1195 TRT01LF0 DC XL4'00F00000',511XL4'98765432' (CC1)
00002960	98765432			
00002968	98765432			
00002970	98765432			
00002978	98765432			
00002980	98765432			
00002988	98765432			
00002990	98765432			
00002998	98765432			
000029A0	98765432			
000029A8	98765432			
000029B0	98765432			
000029B8	98765432			
000029C0	98765432			
000029C8	98765432			
000029D0	98765432			
000029D8	98765432			
000029E0	98765432			
000029E8	98765432			
000029F0	98765432			
000029F8	98765432			
00002A00	98765432			
00002A08	98765432			
00002A10	98765432			
00002A18	98765432			
00002A20	98765432			
00002A28	98765432			
00002A30	98765432			
00002A38	98765432			
00002A40	98765432			
00002A48	98765432			
00002A50	98765432			
00002A58	98765432			
00002A60	98765432			
00002A68	98765432			
00002A70	98765432			
00002A78	98765432			
00002A80	98765432			
00002A88	98765432			
00002A90	98765432			
00002A98	98765432			
00002AA0	98765432			
00002AA8	98765432			
00002AB0	98765432			
00002AB8	98765432			
00002AC0	98765432			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00002AC8	98765432			
00002AD0	98765432			
00002AD8	98765432			
00002AE0	98765432			
00002AE8	98765432			
00002AF0	98765432			
00002AF8	98765432			
00002B00	98765432			
00002B08	98765432			
00002B10	98765432			
00002B18	98765432			
00002B20	98765432			
00002B28	98765432			
00002B30	98765432			
00002B38	98765432			
00002B40	98765432			
00002B48	98765432			
00002B50	98765432			
00002B58	98765432			
00002B60	98765432			
00002B68	98765432			
00002B70	98765432			
00002B78	98765432			
00002B80	98765432			
00002B88	98765432			
00002B90	98765432			
00002B98	98765432			
00002BA0	98765432			
00002BA8	98765432			
00002BB0	98765432			
00002BB8	98765432			
00002BC0	98765432			
00002BC8	98765432			
00002BD0	98765432			
00002BD8	98765432			
00002BE0	98765432			
00002BE8	98765432			
00002BF0	98765432			
00002BF8	98765432			
00002C00	98765432			
00002C08	98765432			
00002C10	98765432			
00002C18	98765432			
00002C20	98765432			
00002C28	98765432			
00002C30	98765432			
00002C38	98765432			
00002C40	98765432			
00002C48	98765432			
00002C50	98765432			
00002C58	98765432			
00002C60	98765432			
00002C68	98765432			
00002C70	98765432			
00002C78	98765432			
00002C80	98765432			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00002C88	98765432			
00002C90	98765432			
00002C98	98765432			
00002CA0	98765432			
00002CA8	98765432			
00002CB0	98765432			
00002CB8	98765432			
00002CC0	98765432			
00002CC8	98765432			
00002CD0	98765432			
00002CD8	98765432			
00002CE0	98765432			
00002CE8	98765432			
00002CF0	98765432			
00002CF8	98765432			
00002D00	98765432			
00002D08	98765432			
00002D10	98765432			
00002D18	98765432			
00002D20	98765432			
00002D28	98765432			
00002D30	98765432			
00002D38	98765432			
00002D40	98765432			
00002D48	98765432			
00002D50	98765432			
00002D58	98765432			
00002D60	98765432			
00002D68	98765432			
00002D70	98765432			
00002D78	98765432			
00002D80	98765432			
00002D88	98765432			
00002D90	98765432			
00002D98	98765432			
00002DA0	98765432			
00002DA8	98765432			
00002DB0	98765432			
00002DB8	98765432			
00002DC0	98765432			
00002DC8	98765432			
00002DD0	98765432			
00002DD8	98765432			
00002DE0	98765432			
00002DE8	98765432			
00002DF0	98765432			
00002DF8	98765432			
00002E00	98765432			
00002E08	98765432			
00002E10	98765432			
00002E18	98765432			
00002E20	98765432			
00002E28	98765432			
00002E30	98765432			
00002E38	98765432			
00002E40	98765432			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00002E48	98765432			
00002E50	98765432			
00002E58	98765432			
00002E60	98765432			
00002E68	98765432			
00002E70	98765432			
00002E78	98765432			
00002E80	98765432			
00002E88	98765432			
00002E90	98765432			
00002E98	98765432			
00002EA0	98765432			
00002EA8	98765432			
00002EB0	98765432			
00002EB8	98765432			
00002EC0	98765432			
00002EC8	98765432			
00002ED0	98765432			
00002ED8	98765432			
00002EE0	98765432			
00002EE8	98765432			
00002EF0	98765432			
00002EF8	98765432			
00002F00	98765432			
00002F08	98765432			
00002F10	98765432			
00002F18	98765432			
00002F20	98765432			
00002F28	98765432			
00002F30	98765432			
00002F38	98765432			
00002F40	98765432			
00002F48	98765432			
00002F50	98765432			
00002F58	98765432			
00002F60	98765432			
00002F68	98765432			
00002F70	98765432			
00002F78	98765432			
00002F80	98765432			
00002F88	98765432			
00002F90	98765432			
00002F98	98765432			
00002FA0	98765432			
00002FA8	98765432			
00002FB0	98765432			
00002FB8	98765432			
00002FC0	98765432			
00002FC8	98765432			
00002FD0	98765432			
00002FD8	98765432			
00002FE0	98765432			
00002FE8	98765432			
00002FF0	98765432			
00002FF8	98765432			
00003000	98765432			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00003008	98765432			
00003010	98765432			
00003018	98765432			
00003020	98765432			
00003028	98765432			
00003030	98765432			
00003038	98765432			
00003040	98765432			
00003048	98765432			
00003050	98765432			
00003058	98765432			
00003060	98765432			
00003068	98765432			
00003070	98765432			
00003078	98765432			
00003080	98765432			
00003088	98765432			
00003090	98765432			
00003098	98765432			
000030A0	98765432			
000030A8	98765432			
000030B0	98765432			
000030B8	98765432			
000030C0	98765432			
000030C8	98765432			
000030D0	98765432			
000030D8	98765432			
000030E0	98765432			
000030E8	98765432			
000030F0	98765432			
000030F8	98765432			
00003100	98765432			
00003108	98765432			
00003110	98765432			
00003118	98765432			
00003120	98765432			
00003128	98765432			
00003130	98765432			
00003138	98765432			
00003140	98765432			
00003148	98765432			
00003150	98765432			
00003158	FFF00000	98765432		1197 TRT01LFF DC XL4'FFF00000',511XL4'98765432'
00003160	98765432	98765432		(CC1)
00003168	98765432	98765432		
00003170	98765432	98765432		
00003178	98765432	98765432		
00003180	98765432	98765432		
00003188	98765432	98765432		
00003190	98765432	98765432		
00003198	98765432	98765432		
000031A0	98765432	98765432		
000031A8	98765432	98765432		
000031B0	98765432	98765432		
000031B8	98765432	98765432		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
000031C0	98765432			
000031C8	98765432			
000031D0	98765432			
000031D8	98765432			
000031E0	98765432			
000031E8	98765432			
000031F0	98765432			
000031F8	98765432			
00003200	98765432			
00003208	98765432			
00003210	98765432			
00003218	98765432			
00003220	98765432			
00003228	98765432			
00003230	98765432			
00003238	98765432			
00003240	98765432			
00003248	98765432			
00003250	98765432			
00003258	98765432			
00003260	98765432			
00003268	98765432			
00003270	98765432			
00003278	98765432			
00003280	98765432			
00003288	98765432			
00003290	98765432			
00003298	98765432			
000032A0	98765432			
000032A8	98765432			
000032B0	98765432			
000032B8	98765432			
000032C0	98765432			
000032C8	98765432			
000032D0	98765432			
000032D8	98765432			
000032E0	98765432			
000032E8	98765432			
000032F0	98765432			
000032F8	98765432			
00003300	98765432			
00003308	98765432			
00003310	98765432			
00003318	98765432			
00003320	98765432			
00003328	98765432			
00003330	98765432			
00003338	98765432			
00003340	98765432			
00003348	98765432			
00003350	98765432			
00003358	98765432			
00003360	98765432			
00003368	98765432			
00003370	98765432			
00003378	98765432			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00003380	98765432			
00003388	98765432			
00003390	98765432			
00003398	98765432			
000033A0	98765432			
000033A8	98765432			
000033B0	98765432			
000033B8	98765432			
000033C0	98765432			
000033C8	98765432			
000033D0	98765432			
000033D8	98765432			
000033E0	98765432			
000033E8	98765432			
000033F0	98765432			
000033F8	98765432			
00003400	98765432			
00003408	98765432			
00003410	98765432			
00003418	98765432			
00003420	98765432			
00003428	98765432			
00003430	98765432			
00003438	98765432			
00003440	98765432			
00003448	98765432			
00003450	98765432			
00003458	98765432			
00003460	98765432			
00003468	98765432			
00003470	98765432			
00003478	98765432			
00003480	98765432			
00003488	98765432			
00003490	98765432			
00003498	98765432			
000034A0	98765432			
000034A8	98765432			
000034B0	98765432			
000034B8	98765432			
000034C0	98765432			
000034C8	98765432			
000034D0	98765432			
000034D8	98765432			
000034E0	98765432			
000034E8	98765432			
000034F0	98765432			
000034F8	98765432			
00003500	98765432			
00003508	98765432			
00003510	98765432			
00003518	98765432			
00003520	98765432			
00003528	98765432			
00003530	98765432			
00003538	98765432			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00003540	98765432			
00003548	98765432			
00003550	98765432			
00003558	98765432			
00003560	98765432			
00003568	98765432			
00003570	98765432			
00003578	98765432			
00003580	98765432			
00003588	98765432			
00003590	98765432			
00003598	98765432			
000035A0	98765432			
000035A8	98765432			
000035B0	98765432			
000035B8	98765432			
000035C0	98765432			
000035C8	98765432			
000035D0	98765432			
000035D8	98765432			
000035E0	98765432			
000035E8	98765432			
000035F0	98765432			
000035F8	98765432			
00003600	98765432			
00003608	98765432			
00003610	98765432			
00003618	98765432			
00003620	98765432			
00003628	98765432			
00003630	98765432			
00003638	98765432			
00003640	98765432			
00003648	98765432			
00003650	98765432			
00003658	98765432			
00003660	98765432			
00003668	98765432			
00003670	98765432			
00003678	98765432			
00003680	98765432			
00003688	98765432			
00003690	98765432			
00003698	98765432			
000036A0	98765432			
000036A8	98765432			
000036B0	98765432			
000036B8	98765432			
000036C0	98765432			
000036C8	98765432			
000036D0	98765432			
000036D8	98765432			
000036E0	98765432			
000036E8	98765432			
000036F0	98765432			
000036F8	98765432			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00003700	98765432			
00003708	98765432			
00003710	98765432			
00003718	98765432			
00003720	98765432			
00003728	98765432			
00003730	98765432			
00003738	98765432			
00003740	98765432			
00003748	98765432			
00003750	98765432			
00003758	98765432			
00003760	98765432			
00003768	98765432			
00003770	98765432			
00003778	98765432			
00003780	98765432			
00003788	98765432			
00003790	98765432			
00003798	98765432			
000037A0	98765432			
000037A8	98765432			
000037B0	98765432			
000037B8	98765432			
000037C0	98765432			
000037C8	98765432			
000037D0	98765432			
000037D8	98765432			
000037E0	98765432			
000037E8	98765432			
000037F0	98765432			
000037F8	98765432			
00003800	98765432			
00003808	98765432			
00003810	98765432			
00003818	98765432			
00003820	98765432			
00003828	98765432			
00003830	98765432			
00003838	98765432			
00003840	98765432			
00003848	98765432			
00003850	98765432			
00003858	98765432			
00003860	98765432			
00003868	98765432			
00003870	98765432			
00003878	98765432			
00003880	98765432			
00003888	98765432			
00003890	98765432			
00003898	98765432			
000038A0	98765432			
000038A8	98765432			
000038B0	98765432			
000038B8	98765432			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
000038C0	98765432	98765432		
000038C8	98765432	98765432		
000038D0	98765432	98765432		
000038D8	98765432	98765432		
000038E0	98765432	98765432		
000038E8	98765432	98765432		
000038F0	98765432	98765432		
000038F8	98765432	98765432		
00003900	98765432	98765432		
00003908	98765432	98765432		
00003910	98765432	98765432		
00003918	98765432	98765432		
00003920	98765432	98765432		
00003928	98765432	98765432		
00003930	98765432	98765432		
00003938	98765432	98765432		
00003940	98765432	98765432		
00003948	98765432	98765432		
00003950	98765432	98765432		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	
				1199 ****	*****
				1200 * Function Code (FC) Tables (GR1)	
				1201 *****	*****
00003958	00000000 00000000			1203 TRTOP20 DC 256X'00'	no stop
00003960	00000000 00000000				
00003968	00000000 00000000				
00003970	00000000 00000000				
00003978	00000000 00000000				
00003980	00000000 00000000				
00003988	00000000 00000000				
00003990	00000000 00000000				
00003998	00000000 00000000				
000039A0	00000000 00000000				
000039A8	00000000 00000000				
000039B0	00000000 00000000				
000039B8	00000000 00000000				
000039C0	00000000 00000000				
000039C8	00000000 00000000				
000039D0	00000000 00000000				
000039D8	00000000 00000000				
000039E0	00000000 00000000				
000039E8	00000000 00000000				
000039F0	00000000 00000000				
000039F8	00000000 00000000				
00003A00	00000000 00000000				
00003A08	00000000 00000000				
00003A10	00000000 00000000				
00003A18	00000000 00000000				
00003A20	00000000 00000000				
00003A28	00000000 00000000				
00003A30	00000000 00000000				
00003A38	00000000 00000000				
00003A40	00000000 00000000				
00003A48	00000000 00000000				
00003A50	00000000 00000000				
00003A58		00003A58 00023A58	1204	ORG **+2*K64	
00023A58	00000000 00000000			1206 TRTOP211 DC 17X'00',X'11',238X'00'	stop on X'11'
00023A60	00000000 00000000				
00023A68	00110000 00000000				
00023A70	00000000 00000000				
00023A78	00000000 00000000				
00023A80	00000000 00000000				
00023A88	00000000 00000000				
00023A90	00000000 00000000				
00023A98	00000000 00000000				
00023AA0	00000000 00000000				
00023AA8	00000000 00000000				
00023AB0	00000000 00000000				
00023AB8	00000000 00000000				
00023AC0	00000000 00000000				
00023AC8	00000000 00000000				
00023AD0	00000000 00000000				
00023AD8	00000000 00000000				
00023AE0	00000000 00000000				

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00023AE8	00000000 00000000			
00023AF0	00000000 00000000			
00023AF8	00000000 00000000			
00023B00	00000000 00000000			
00023B08	00000000 00000000			
00023B10	00000000 00000000			
00023B18	00000000 00000000			
00023B20	00000000 00000000			
00023B28	00000000 00000000			
00023B30	00000000 00000000			
00023B38	00000000 00000000			
00023B40	00000000 00000000			
00023B48	00000000 00000000			
00023B50	00000000 00000000			
00023B58	00000000 00000000	1208	TRTOP2F0 DC	240X'00', X'F0', 15X'00'
00023B60	00000000 00000000			stop on X'F0'
00023B68	00000000 00000000			
00023B70	00000000 00000000			
00023B78	00000000 00000000			
00023B80	00000000 00000000			
00023B88	00000000 00000000			
00023B90	00000000 00000000			
00023B98	00000000 00000000			
00023BA0	00000000 00000000			
00023BA8	00000000 00000000			
00023BB0	00000000 00000000			
00023BB8	00000000 00000000			
00023BC0	00000000 00000000			
00023BC8	00000000 00000000			
00023BD0	00000000 00000000			
00023BD8	00000000 00000000			
00023BE0	00000000 00000000			
00023BE8	00000000 00000000			
00023BF0	00000000 00000000			
00023BF8	00000000 00000000			
00023C00	00000000 00000000			
00023C08	00000000 00000000			
00023C10	00000000 00000000			
00023C18	00000000 00000000			
00023C20	00000000 00000000			
00023C28	00000000 00000000			
00023C30	00000000 00000000			
00023C38	00000000 00000000			
00023C40	00000000 00000000			
00023C48	F0000000 00000000			
00023C50	00000000 00000000			
00023C58	00000000 00000000	1210	TRTOP411 DC	34X'00', X'0011', 476X'00'
00023C60	00000000 00000000			stop on X'11'
00023C68	00000000 00000000			
00023C70	00000000 00000000			
00023C78	00000011 00000000			
00023C80	00000000 00000000			
00023C88	00000000 00000000			
00023C90	00000000 00000000			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00023C98	00000000 00000000			
00023CA0	00000000 00000000			
00023CA8	00000000 00000000			
00023CB0	00000000 00000000			
00023CB8	00000000 00000000			
00023CC0	00000000 00000000			
00023CC8	00000000 00000000			
00023CD0	00000000 00000000			
00023CD8	00000000 00000000			
00023CE0	00000000 00000000			
00023CE8	00000000 00000000			
00023CF0	00000000 00000000			
00023CF8	00000000 00000000			
00023D00	00000000 00000000			
00023D08	00000000 00000000			
00023D10	00000000 00000000			
00023D18	00000000 00000000			
00023D20	00000000 00000000			
00023D28	00000000 00000000			
00023D30	00000000 00000000			
00023D38	00000000 00000000			
00023D40	00000000 00000000			
00023D48	00000000 00000000			
00023D50	00000000 00000000			
00023D58	00000000 00000000			
00023D60	00000000 00000000			
00023D68	00000000 00000000			
00023D70	00000000 00000000			
00023D78	00000000 00000000			
00023D80	00000000 00000000			
00023D88	00000000 00000000			
00023D90	00000000 00000000			
00023D98	00000000 00000000			
00023DA0	00000000 00000000			
00023DA8	00000000 00000000			
00023DB0	00000000 00000000			
00023DB8	00000000 00000000			
00023DC0	00000000 00000000			
00023DC8	00000000 00000000			
00023DD0	00000000 00000000			
00023DD8	00000000 00000000			
00023DE0	00000000 00000000			
00023DE8	00000000 00000000			
00023DF0	00000000 00000000			
00023DF8	00000000 00000000			
00023E00	00000000 00000000			
00023E08	00000000 00000000			
00023E10	00000000 00000000			
00023E18	00000000 00000000			
00023E20	00000000 00000000			
00023E28	00000000 00000000			
00023E30	00000000 00000000			
00023E38	00000000 00000000			
00023E40	00000000 00000000			
00023E48	00000000 00000000			
00023E50	00000000 00000000			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00023E58	00000000 00000000			1212 TRTOP4F0 DC 480X'00',X'00F0',30X'00' stop on X'F0'
00023E60	00000000 00000000			
00023E68	00000000 00000000			
00023E70	00000000 00000000			
00023E78	00000000 00000000			
00023E80	00000000 00000000			
00023E88	00000000 00000000			
00023E90	00000000 00000000			
00023E98	00000000 00000000			
00023EA0	00000000 00000000			
00023EA8	00000000 00000000			
00023EB0	00000000 00000000			
00023EB8	00000000 00000000			
00023EC0	00000000 00000000			
00023EC8	00000000 00000000			
00023ED0	00000000 00000000			
00023ED8	00000000 00000000			
00023EE0	00000000 00000000			
00023EE8	00000000 00000000			
00023EF0	00000000 00000000			
00023EF8	00000000 00000000			
00023F00	00000000 00000000			
00023F08	00000000 00000000			
00023F10	00000000 00000000			
00023F18	00000000 00000000			
00023F20	00000000 00000000			
00023F28	00000000 00000000			
00023F30	00000000 00000000			
00023F38	00000000 00000000			
00023F40	00000000 00000000			
00023F48	00000000 00000000			
00023F50	00000000 00000000			
00023F58	00000000 00000000			
00023F60	00000000 00000000			
00023F68	00000000 00000000			
00023F70	00000000 00000000			
00023F78	00000000 00000000			
00023F80	00000000 00000000			
00023F88	00000000 00000000			
00023F90	00000000 00000000			
00023F98	00000000 00000000			
00023FA0	00000000 00000000			
00023FA8	00000000 00000000			
00023FB0	00000000 00000000			
00023FB8	00000000 00000000			
00023FC0	00000000 00000000			
00023FC8	00000000 00000000			
00023FD0	00000000 00000000			
00023FD8	00000000 00000000			
00023FE0	00000000 00000000			
00023FE8	00000000 00000000			
00023FF0	00000000 00000000			
00023FF8	00000000 00000000			
00024000	00000000 00000000			
00024008	00000000 00000000			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00024010	00000000 00000000			
00024018	00000000 00000000			
00024020	00000000 00000000			
00024028	00000000 00000000			
00024030	00000000 00000000			
00024038	00F00000 00000000			
00024040	00000000 00000000			
00024048	00000000 00000000			
00024050	00000000 00000000			
00024058	00000000 00000000	1214	TRTOP811 DC	17X'00', X'11', 238X'00' stop on X'11'
00024060	00000000 00000000			
00024068	00110000 00000000			
00024070	00000000 00000000			
00024078	00000000 00000000			
00024080	00000000 00000000			
00024088	00000000 00000000			
00024090	00000000 00000000			
00024098	00000000 00000000			
000240A0	00000000 00000000			
000240A8	00000000 00000000			
000240B0	00000000 00000000			
000240B8	00000000 00000000			
000240C0	00000000 00000000			
000240C8	00000000 00000000			
000240D0	00000000 00000000			
000240D8	00000000 00000000			
000240E0	00000000 00000000			
000240E8	00000000 00000000			
000240F0	00000000 00000000			
000240F8	00000000 00000000			
00024100	00000000 00000000			
00024108	00000000 00000000			
00024110	00000000 00000000			
00024118	00000000 00000000			
00024120	00000000 00000000			
00024128	00000000 00000000			
00024130	00000000 00000000			
00024138	00000000 00000000			
00024140	00000000 00000000			
00024148	00000000 00000000			
00024150	00000000 00000000			
00024158		00024158 00044158 1215	ORG	*+2*K64
00044158	00000000 00000000	1217	TRTOP8F0 DC	240X'00', X'F0', 15X'00' stop on X'F0'
00044160	00000000 00000000			
00044168	00000000 00000000			
00044170	00000000 00000000			
00044178	00000000 00000000			
00044180	00000000 00000000			
00044188	00000000 00000000			
00044190	00000000 00000000			
00044198	00000000 00000000			
000441A0	00000000 00000000			
000441A8	00000000 00000000			
000441B0	00000000 00000000			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
000441B8	00000000 00000000			
000441C0	00000000 00000000			
000441C8	00000000 00000000			
000441D0	00000000 00000000			
000441D8	00000000 00000000			
000441E0	00000000 00000000			
000441E8	00000000 00000000			
000441F0	00000000 00000000			
000441F8	00000000 00000000			
00044200	00000000 00000000			
00044208	00000000 00000000			
00044210	00000000 00000000			
00044218	00000000 00000000			
00044220	00000000 00000000			
00044228	00000000 00000000			
00044230	00000000 00000000			
00044238	00000000 00000000			
00044240	00000000 00000000			
00044248	F0000000 00000000			
00044250	00000000 00000000			
00044258		00044258 00064258 1218		ORG *+2*K64
00064258	00000000 00000000		1220 TRTOP8F1 DC	240X'00',X'00',X'F1',14X'00' stop on X'F1'
00064260	00000000 00000000			
00064268	00000000 00000000			
00064270	00000000 00000000			
00064278	00000000 00000000			
00064280	00000000 00000000			
00064288	00000000 00000000			
00064290	00000000 00000000			
00064298	00000000 00000000			
000642A0	00000000 00000000			
000642A8	00000000 00000000			
000642B0	00000000 00000000			
000642B8	00000000 00000000			
000642C0	00000000 00000000			
000642C8	00000000 00000000			
000642D0	00000000 00000000			
000642D8	00000000 00000000			
000642E0	00000000 00000000			
000642E8	00000000 00000000			
000642F0	00000000 00000000			
000642F8	00000000 00000000			
00064300	00000000 00000000			
00064308	00000000 00000000			
00064310	00000000 00000000			
00064318	00000000 00000000			
00064320	00000000 00000000			
00064328	00000000 00000000			
00064330	00000000 00000000			
00064338	00000000 00000000			
00064340	00000000 00000000			
00064348	00F10000 00000000			
00064350	00000000 00000000			
00064358		00064358 00084358 1221		ORG *+2*K64

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	
00084358	00000000 00000000			1223 TRTOPC11 DC 34X'00',X'0011'	stop on X'11'
00084360	00000000 00000000				
00084368	00000000 00000000				
00084370	00000000 00000000				
00084378	00000011				
0008437C		0008437C	000A437C	1224 ORG *+2*K64	
000A437C	00000000 00000000			1226 TRTOPCF0 DC 480X'00',X'00F0',28X'00'	stop on X'F0'
000A4384	00000000 00000000				
000A438C	00000000 00000000				
000A4394	00000000 00000000				
000A439C	00000000 00000000				
000A43A4	00000000 00000000				
000A43AC	00000000 00000000				
000A43B4	00000000 00000000				
000A43BC	00000000 00000000				
000A43C4	00000000 00000000				
000A43CC	00000000 00000000				
000A43D4	00000000 00000000				
000A43DC	00000000 00000000				
000A43E4	00000000 00000000				
000A43EC	00000000 00000000				
000A43F4	00000000 00000000				
000A43FC	00000000 00000000				
000A4404	00000000 00000000				
000A440C	00000000 00000000				
000A4414	00000000 00000000				
000A441C	00000000 00000000				
000A4424	00000000 00000000				
000A442C	00000000 00000000				
000A4434	00000000 00000000				
000A443C	00000000 00000000				
000A4444	00000000 00000000				
000A444C	00000000 00000000				
000A4454	00000000 00000000				
000A445C	00000000 00000000				
000A4464	00000000 00000000				
000A446C	00000000 00000000				
000A4474	00000000 00000000				
000A447C	00000000 00000000				
000A4484	00000000 00000000				
000A448C	00000000 00000000				
000A4494	00000000 00000000				
000A449C	00000000 00000000				
000A44A4	00000000 00000000				
000A44AC	00000000 00000000				
000A44B4	00000000 00000000				
000A44BC	00000000 00000000				
000A44C4	00000000 00000000				
000A44CC	00000000 00000000				
000A44D4	00000000 00000000				
000A44DC	00000000 00000000				
000A44E4	00000000 00000000				
000A44EC	00000000 00000000				
000A44F4	00000000 00000000				
000A44FC	00000000 00000000				

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
000A4504	00000000 00000000			
000A450C	00000000 00000000			
000A4514	00000000 00000000			
000A451C	00000000 00000000			
000A4524	00000000 00000000			
000A452C	00000000 00000000			
000A4534	00000000 00000000			
000A453C	00000000 00000000			
000A4544	00000000 00000000			
000A454C	00000000 00000000			
000A4554	00000000 00000000			
000A455C	00F00000 00000000			
000A4564	00000000 00000000			
000A456C	00000000 00000000			
000A4574	00000000 0000			
000A457A		000A457A	000C457A	1227 ORG *+2*K64
000C457A	00000000 00000000			1229 TRTOPCF1 DC 480X'00',X'0000',X'00F1',28X'00' stop on X'F1'
000C4582	00000000 00000000			
000C458A	00000000 00000000			
000C4592	00000000 00000000			
000C459A	00000000 00000000			
000C45A2	00000000 00000000			
000C45AA	00000000 00000000			
000C45B2	00000000 00000000			
000C45BA	00000000 00000000			
000C45C2	00000000 00000000			
000C45CA	00000000 00000000			
000C45D2	00000000 00000000			
000C45DA	00000000 00000000			
000C45E2	00000000 00000000			
000C45EA	00000000 00000000			
000C45F2	00000000 00000000			
000C45FA	00000000 00000000			
000C4602	00000000 00000000			
000C460A	00000000 00000000			
000C4612	00000000 00000000			
000C461A	00000000 00000000			
000C4622	00000000 00000000			
000C462A	00000000 00000000			
000C4632	00000000 00000000			
000C463A	00000000 00000000			
000C4642	00000000 00000000			
000C464A	00000000 00000000			
000C4652	00000000 00000000			
000C465A	00000000 00000000			
000C4662	00000000 00000000			
000C466A	00000000 00000000			
000C4672	00000000 00000000			
000C467A	00000000 00000000			
000C4682	00000000 00000000			
000C468A	00000000 00000000			
000C4692	00000000 00000000			
000C469A	00000000 00000000			
000C46A2	00000000 00000000			
000C46AA	00000000 00000000			

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT
000C46B2	00000000	00000000			
000C46BA	00000000	00000000			
000C46C2	00000000	00000000			
000C46CA	00000000	00000000			
000C46D2	00000000	00000000			
000C46DA	00000000	00000000			
000C46E2	00000000	00000000			
000C46EA	00000000	00000000			
000C46F2	00000000	00000000			
000C46FA	00000000	00000000			
000C4702	00000000	00000000			
000C470A	00000000	00000000			
000C4712	00000000	00000000			
000C471A	00000000	00000000			
000C4722	00000000	00000000			
000C472A	00000000	00000000			
000C4732	00000000	00000000			
000C473A	00000000	00000000			
000C4742	00000000	00000000			
000C474A	00000000	00000000			
000C4752	00000000	00000000			
000C475A	000000F1	00000000			
000C4762	00000000	00000000			
000C476A	00000000	00000000			
000C4772	00000000	00000000			
000C477A			000C477A	000E477A	1230 ORG *+2*K64
000E477A	00000000				1232 TRTOPCFF DC XL4'00000000'
000E477E			000E477E	0010475A	1233 ORG *-4+(2*X'FFF0')
0010475A	FFF0				1234 DC XL2'FFF0'
0010475C			0010475C	0010477A	1235 ORG TRTOPCFF+2*K64
					stop on X'FFF0'

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	
				1237 *****	*****
				1238 * Register equates	
				1239 *****	*****
		00000000	00000001	1241 R0	EQU 0
		00000001	00000001	1242 R1	EQU 1
		00000002	00000001	1243 R2	EQU 2
		00000003	00000001	1244 R3	EQU 3
		00000004	00000001	1245 R4	EQU 4
		00000005	00000001	1246 R5	EQU 5
		00000006	00000001	1247 R6	EQU 6
		00000007	00000001	1248 R7	EQU 7
		00000008	00000001	1249 R8	EQU 8
		00000009	00000001	1250 R9	EQU 9
		0000000A	00000001	1251 R10	EQU 10
		0000000B	00000001	1252 R11	EQU 11
		0000000C	00000001	1253 R12	EQU 12
		0000000D	00000001	1254 R13	EQU 13
		0000000E	00000001	1255 R14	EQU 14
		0000000F	00000001	1256 R15	EQU 15

1258 END

SYMBOL	TYPE	VALUE	LENGTH	DEFN	REFERENCES
M12T5	F	00000FA4	4	882	
M12T6	F	00000FD8	4	894	
M12T7	F	0000100C	4	906	
M12T8	F	00001040	4	918	
M12T9	F	00001074	4	930	
M14T1	F	00001144	4	987	
M14T10	F	00001318	4	1095	
M14T11	F	0000134C	4	1107	
M14T2	F	00001178	4	999	
M14T3	F	000011AC	4	1011	
M14T4	F	000011E0	4	1023	
M14T5	F	00001214	4	1035	
M14T6	F	00001248	4	1047	
M14T7	F	0000127C	4	1059	
M14T8	F	000012B0	4	1071	
M14T9	F	000012E4	4	1083	
M3	X	00000003	1	239	149
M4T1	F	00000820	4	414	
M4T10	F	000009F4	4	522	
M4T11	F	00000A28	4	534	
M4T2	F	00000854	4	426	
M4T3	F	00000888	4	438	
M4T4	F	000008BC	4	450	
M4T5	F	000008F0	4	462	
M4T6	F	00000924	4	474	
M4T7	F	00000958	4	486	
M4T8	F	0000098C	4	498	
M4T9	F	000009C0	4	510	
M8T1	F	00000A5C	4	553	
M8T10	F	00000C30	4	661	
M8T11	F	00000C64	4	673	
M8T2	F	00000A90	4	565	
M8T3	F	00000AC4	4	577	
M8T4	F	00000AF8	4	589	
M8T5	F	00000B2C	4	601	
M8T6	F	00000B60	4	613	
M8T7	F	00000B94	4	625	
M8T8	F	00000BC8	4	637	
M8T9	F	00000BFC	4	649	
MB	U	00100000	1	227	284
					287
					296
					299
					308
					311
					320
					323
					332
					335
					344
					347
					356
					359
					368
					371
					380
					383
					392
					395
					404
					407
					421
					424
					433
					436
					445
					448
					457
					460
					469
					472
					481
					484
					493
					496
					505
					508
					517
					520
					529
					532
					541
					544
					560
					563
					572
					575
					584
					587
					596
					599
					608
					611
					620
					623
					632
					635
					644
					647
					656
					659
					668
					671
					680
					683
					701
					704
					713
					716
					725
					728
					737
					740
					749
					752
					761
					764
					773
					776
					785
					788
					797
					800
					809
					812
					821
					824
					841
					844
					856
					865
					868
					877
					880
					889
					892
					901
					904
					913
					937
					940
					949
					952
					961
					964
					973
					976
					994
					997
					1006
					1009

SYMBOL	TYPE	VALUE	LENGTH	DEFN	REFERENCES
TRTRECTL	A	000005E4	4	270	122
TRTREDONE	I	000005A6	2	196	193
TRTREFAIL	I	000005A2	4	195	180 184 188 198
TRTREMOD	I	00000562	4	168	150 161 171
TRTRENEXT	U	00000034	1	259	190
TRTRETEST	4	00000000	52	235	123
TST1LOOP	U	0000050A	1	125	192
=F'0'	F	000005E0	4	222	191
=XL4'80'	X	000005DC	4	221	160

MACRO DEFN REFERENCES

No defined macros

DESC	SYMBOL	SIZE	POS	ADDR
------	--------	------	-----	------

Entry: 0

Image	IMAGE	1066874	000000-104779	000000-104779
Region		1066874	000000-104779	000000-104779
CSECT	TRTRE1TST	1066874	000000-104779	000000-104779

STMT

FILE NAME

```
1    c:\Users\Fish\Documents\Visual Studio 2008\Projects\MyProjects\ASMA-0\TRTRE-01-basic\TRTRE-01-basic.asm
```

```
** NO ERRORS FOUND **
```