

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
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2				*****
3				*
4				*Testcase IEEE MULTIPLY (to longer precision)
5				* Test case capability includes IEEE exceptions trappable and
6				* otherwise. Test results, FPCR flags, the Condition code, and any
7				* DXC are saved for all tests.
8				*
9				* The result precision for each instruction is longer than the input
10				* operands. As a result, the underflow and overflow exceptions will
11				* never occur. Further, the results are always exact. There is
12				* no rounding of the result.
13				*
14				* The fused multiply operations are not included in this test program,
15				* nor are the standard multiply instructions. The former are
16				* are excluded to keep test case complexity manageable, and latter
17				* because they require a more extensive testing profile (overflow,
18				* underflow, rounding).
19				*
20				*
21				*****
22				** IMPORTANT! **
23				*****
24				*
25				* This test uses the Hercules Diagnose X'008' interface
26				* to display messages and thus your .tst runtest script
27				* MUST contain a "DIAG8CMD ENABLE" statement within it!
28				*
29				*
30				*****
32				*****
33				*
34				* bfp-020-multlonger.asm
35				*
36				* This assembly-language source file is part of the
37				* Hercules Binary Floating Point Validation Package
38				* by Stephen R. Orso
39				*
40				* Copyright 2016 by Stephen R Orso.
41				* Runtest *Compare dependency removed by Fish on 2022-08-16
42				* PADCSECT macro/usage removed by Fish on 2022-08-16
43				*
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45				* modification, are permitted provided that the following conditions
46				* are met:
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56				* 3. The name of the author may not be used to endorse or promote

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
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				59 *
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				66 * PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR
				67 * PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY
				68 * OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
				69 * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
				70 * OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
				71 *
				72 *****
				74 *****
				75 *
				76 * Tests the following five conversion instructions
				77 *     MULTIPLY (short BFP, RRE) (short to long)
				78 *     MULTIPLY (long BFP, RRE) (long to extended)
				79 *     MULTIPLY (short BFP, RXE) (short to long)
				80 *     MULTIPLY (long BFP, RXE) (long to extended)
				81 *
				82 * Test data is compiled into this program. The test script that runs
				83 * this program can provide alternative test data through Hercules R
				84 * commands.
				85 *
				86 * Test Case Order
				87 * 1) Short BFP basic tests, including traps and NaN propagation
				88 * 2) Long BFP basic tests, including traps and NaN propagation
				89 *
				90 * One input test sets are provided each for short and long BFP inputs.
				91 *     Test values are the same for each precision.
				92 *
				93 * Also tests the following floating point support instructions
				94 *     LOAD    (Short)
				95 *     LOAD    (Long)
				96 *     LFPC    (Load Floating Point Control Register)
				97 *     STORE   (Short)
				98 *     STORE   (Long)
				99 *     STFPC   (Store Floating Point Control Register)
				100 *
				101 *****



LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00000000		00000000		145 USING *,R15
00000000		0000C000		146 USING HELPERS,R12
				147 *
				148 * Above works on real iron (R15=0 after sysclear)
				149 * and in z/CMS (R15 points to start of load module)
				150 *
				152 *****
				153 *
				154 * Low core definitions, Restart PSW, and Program Check Routine.
				155 *
				156 *****
00000000		00000000	0000008E	158 ORG STRTLABL+X'8E' Program check interruption code
0000008E	0000			159 PCINTCD DS H
				160 *
		00000150	00000001	161 PCOLDPSW EQU STRTLABL+X'150' z/Arch Program check old PSW
				162 *
00000090		00000090	000001A0	163 ORG STRTLABL+X'1A0' z/Arch Restart PSW
000001A0	00000001 80000000			164 DC X'0000000180000000',AD(START)
				165 *
000001B0		000001B0	000001D0	166 ORG STRTLABL+X'1D0' z/Arch Program check NEW PSW
000001D0	00000000 00000000			167 DC X'0000000000000000',AD(PROGCHK)
				168 *
				169 * Program check routine. If Data Exception, continue execution at
				170 * the instruction following the program check. Otherwise, hard wait.
				171 * No need to collect data. All interesting DXC stuff is captured
				172 * in the FPCR.
				173 *
000001E0		000001E0	00000200	174 ORG STRTLABL+X'200'
00000200				175 PROGCHK DS 0H Program check occurred...
00000200	9507 F08F		0000008F	176 CLI PCINTCD+1,X'07' Data Exception?
00000204	A774 0004		0000020C	177 JNE PCNOTDTA ..no, hardwait (not sure if R15 is ok)
00000208	B2B2 F150		00000150	178 LPSWE PCOLDPSW ..yes, resume program execution
0000020C	900F F23C		0000023C	180 PCNOTDTA STM R0,R15,SAVEREGS Save registers
00000210	58C0 F27C		0000027C	181 L R12,AHELPERS Get address of helper subroutines
00000214	4DD0 C000		0000C000	182 BAS R13,PGMCK Report this unexpected program check
00000218	980F F23C		0000023C	183 LM R0,R15,SAVEREGS Restore registers
0000021C	12EE			185 LTR R14,R14 Return address provided?
0000021E	077E			186 BNZR R14 Yes, return to z/CMS test rig.
00000220	B2B2 F228		00000228	187 LPSWE PROGPSW Not data exception, enter disabled wait
00000228	00020000 00000000			188 PROGPSW DC 0D'0',X'0002000000000000',XL6'00',X'DEAD' Abnormal end
00000238	B2B2 F2C0		000002C0	189 FAIL LPSWE FAILPSW Not data exception, enter disabled wait
0000023C	00000000 00000000			190 SAVEREGS DC 16F'0' Registers save area
0000027C	0000C000			191 AHELPERS DC A(HELPERS) Address of helper subroutines

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT
					193 *****
					194 *
					195 * Main program. Enable Advanced Floating Point, process test cases.
					196 *
					197 *****
00000280					199 START DS 0H
00000280	B600	F2D0		000002D0	200 STCTL R0,R0,CTLR0 Store CR0 to enable AFP
00000284	9604	F2D1		000002D1	201 OI CTLR0+1,X'04' Turn on AFP bit
00000288	B700	F2D0		000002D0	202 LCTL R0,R0,CTLR0 Reload updated CR0
					203 *
0000028C	41A0	F2DC		000002DC	204 LA R10,SHORTNF Point to short BFP non-finite inputs
00000290	4DD0	F2FC		000002FC	205 BAS R13,SBFPNF Multiply short BFP non-finites
					206 *
00000294	41A0	F2EC		000002EC	207 LA R10,LONGNF Point to long BFP non-finite inputs
00000298	4DD0	F382		00000382	208 BAS R13,LBFPNF Multiply long BFP non-finites
					209 *
					210 *****
					211 * Verify test results...
					212 *****
					213 *
0000029C	58C0	F27C		0000027C	214 L R12,AHELPERS Get address of helper subroutines
000002A0	4DD0	C0A0		0000C0A0	215 BAS R13,VERISUB Go verify results
000002A4	12EE				216 LTR R14,R14 Was return address provided?
000002A6	077E				217 BNZR R14 Yes, return to z/CMS test rig.
000002A8	B2B2	F2B0		000002B0	218 LPSWE GOODPSW Load SUCCESS PSW

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
000002B0				220 DS 0D Ensure correct alignment for PSW
000002B0	00020000 00000000			221 GOODPSW DC X'0002000000000000',AD(0) Normal end - disabled wait
000002C0	00020000 00000000			222 FAILPSW DC X'0002000000000000',XL6'00',X'0BAD' Abnormal end
				223 *
000002D0	00000000			224 CTLR0 DS F
000002D4	00000000			225 FPCREGNT DC X'00000000' FPCR, trap all IEEE exceptions, zero flags
000002D8	F8000000			226 FPCREGTR DC X'F8000000' FPCR, trap no IEEE exceptions, zero flags
				227 *
				228 * Input values parameter list, four fullwords for each test data set
				229 * 1) Count,
				230 * 2) Address of inputs,
				231 * 3) Address to place results, and
				232 * 4) Address to place DXC/Flags/cc values.
				233 *
000002DC				234 SHORTNF DS 0F Input pairs for short BFP non-finite tests
000002DC	00000008			235 DC A(SBFPNFCT)
000002E0	00000418			236 DC A(SBFPNFIN)
000002E4	00001000			237 DC A(LBFPNFOT)
000002E8	00001800			238 DC A(LBFPNFFL)
				239 *
000002EC				240 LONGNF DS 0F Input pairs for long BFP non-finite testing
000002EC	00000008			241 DC A(LBFPNFCT)
000002F0	00000438			242 DC A(LBFPNFIN)
000002F4	00002000			243 DC A(XBFPNFOT)
000002F8	00003000			244 DC A(XBFPNFFL)
				245 *

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	
				247 *****	
				248 *	
				249 * Perform Multiply using provided short BFP inputs. This set of tests	
				250 * checks NaN propagation, operations on values that are not finite	
				251 * numbers, and other basic tests. This set generates results that can	
				252 * be validated against Figure 19-23 on page 19-28 of SA22-7832-10.	
				253 * Each value in this table is tested against every other value in the	
				254 * table. Eight entries means 64 result sets.	
				255 *	
				256 * Four results are generated for each input: one RRE with all	
				257 * exceptions non-trappable, a second RRE with all exceptions trappable,	
				258 * a third RXE with all exceptions non-trappable, a fourth RXE with all	
				259 * exceptions trappable,	
				260 *	
				261 * The difference, FPCR, and condition code are stored for each result.	
				262 *	
				263 *****	
000002FC				265 SBFPNF DS 0H	BFP Short non-finite values tests
000002FC	9823 A000		00000000	266 LM R2,R3,0(R10)	Get count and addr of multiplicand values
00000300	9878 A008		00000008	267 LM R7,R8,8(R10)	Get address of result area and flag area.
00000304	1222			268 LTR R2,R2	Any test cases?
00000306	078D			269 BZR R13	..No, return to caller
00000308	0DC0			270 BASR R12,0	Set top of loop
				271 *	
0000030A	9845 A000		00000000	272 LM R4,R5,0(R10)	Get count and start of multiplier values
				273 *	..which are the same as the multiplicands
0000030E	0D60			274 BASR R6,0	Set top of inner loop
				275 *	
00000310	7880 3000		00000000	276 LE FPR8,0(,R3)	Get short BFP multiplicand
00000314	7810 5000		00000000	277 LE FPR1,0(,R5)	Get short BFP multiplier
00000318	B29D F2D4		000002D4	278 LFPC FPCREGNT	Set exceptions non-trappable
0000031C	B30C 0081			279 MDEBR FPR8,FPR1	Multiply short FPR8 by FPR1 RRE
00000320	6080 7000		00000000	280 STD FPR8,0(,R7)	Store long BFP product
00000324	B29C 8000		00000000	281 STFPC 0(R8)	Store resulting FPCR flags and DXC
				282 *	
00000328	7880 3000		00000000	283 LE FPR8,0(,R3)	Get short BFP multiplicand
0000032C	7810 5000		00000000	284 LE FPR1,0(,R5)	Get short BFP multiplier
00000330	B29D F2D8		000002D8	285 LFPC FPCREGTR	Set exceptions trappable
00000334	B30C 0081			286 MDEBR FPR8,FPR1	Multiply short FPR8 by FPR1 RRE
00000338	6080 7008		00000008	287 STD FPR8,8(,R7)	Store long BFP product
0000033C	B29C 8004		00000004	288 STFPC 4(R8)	Store resulting FPCR flags and DXC
				289 *	
00000340	7880 3000		00000000	290 LE FPR8,0(,R3)	Get short BFP multiplicand
00000344	B29D F2D4		000002D4	291 LFPC FPCREGNT	Set exceptions non-trappable
00000348	ED80 5000 000C		00000000	292 MDEB FPR8,0(,R5)	Multiply short FPR8 by multiplier RXE
0000034E	6080 7010		00000010	293 STD FPR8,16(,R7)	Store long BFP product
00000352	B29C 8008		00000008	294 STFPC 8(R8)	Store resulting FPCR flags and DXC
				295 *	
00000356	7880 3000		00000000	296 LE FPR8,0(,R3)	Get short BFP multiplicand
0000035A	B29D F2D8		000002D8	297 LFPC FPCREGTR	Set exceptions trappable
0000035E	ED80 5000 000C		00000000	298 MDEB FPR8,0(,R5)	Multiply short FPR8 by multiplier RXE
00000364	6080 7018		00000018	299 STD FPR8,24(,R7)	Store long BFP product
00000368	B29C 800C		0000000C	300 STFPC 12(R8)	Store resulting FPCR flags and DXC
				301 *	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT			
0000036C	4150 5004		00000004	302	LA	R5,4(,R5)	Point to next multiplier value
00000370	4170 7020		00000020	303	LA	R7,4*8(,R7)	Point to next Multiply result area
00000374	4180 8010		00000010	304	LA	R8,4*4(,R8)	Point to next Multiply FPCR area
00000378	0646			305	BCTR	R4,R6	Loop through right-hand values
				306 *			
0000037A	4130 3004		00000004	307	LA	R3,4(,R3)	Point to next input multiplicand
0000037E	062C			308	BCTR	R2,R12	Loop through left-hand values
00000380	07FD			309	BR	R13	All converted; return.

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	
				311 *****	
				312 *	
				313 * Perform Multiply using provided long BFP inputs. This set of tests	
				314 * checks NaN propagation, operations on values that are not finite	
				315 * numbers, and other basic tests. This set generates results that can	
				316 * validated against Figure 19-23 on page 19-28 of SA22-7832-10. Each	
				317 * value in this table is tested against every other value in the table.	
				318 * Eight entries means 64 result sets.	
				319 *	
				320 * Four results are generated for each input: one RRE with all	
				321 * exceptions non-trappable, a second RRE with all exceptions trappable,	
				322 * a third RXE with all exceptions non-trappable, a fourth RXE with all	
				323 * exceptions trappable,	
				324 *	
				325 * The difference, FPCR, and condition code are stored for each result.	
				326 *	
				327 *****	
00000382				329 LBFPNF DS 0H	BFP long non-finite values tests
00000382	9823 A000		00000000	330 LM R2,R3,0(R10)	Get count and addr of multiplicand values
00000386	9878 A008		00000008	331 LM R7,R8,8(R10)	Get address of result area and flag area.
0000038A	1222			332 LTR R2,R2	Any test cases?
0000038C	078D			333 BZR R13	..No, return to caller
0000038E	0DC0			334 BASR R12,0	Set top of loop
				335 *	
00000390	9845 A000		00000000	336 LM R4,R5,0(R10)	Get count and start of multiplier values
				337 *	..which are the same as the multiplicands
00000394	0D60			338 BASR R6,0	Set top of inner loop
				339 *	
00000396	6880 3000		00000000	340 LD FPR8,0(,R3)	Get long BFP multiplicand
0000039A	6810 5000		00000000	341 LD FPR1,0(,R5)	Get long BFP multiplier
0000039E	B29D F2D4		000002D4	342 LFPC FPCREGNT	Set exceptions non-trappable
000003A2	B307 0081			343 MXDBR FPR8,FPR1	Multiply long FPR8 by FPR1 RRE
000003A6	6080 7000		00000000	344 STD FPR8,0(,R7)	Store extended BFP product part 1
000003AA	60A0 7008		00000008	345 STD FPR10,8(,R7)	Store extended BFP product part 2
000003AE	B29C 8000		00000000	346 STFPC 0(R8)	Store resulting FPCR flags and DXC
				347 *	
000003B2	6880 3000		00000000	348 LD FPR8,0(,R3)	Get long BFP multiplicand
000003B6	6810 5000		00000000	349 LD FPR1,0(,R5)	Get long BFP multiplier
000003BA	B29D F2D8		000002D8	350 LFPC FPCREGTR	Set exceptions trappable
000003BE	B307 0081			351 MXDBR FPR8,FPR1	Multiply long multiplier from FPR8 RRE
000003C2	6080 7010		00000010	352 STD FPR8,16(,R7)	Store extended BFP product part 1
000003C6	60A0 7018		00000018	353 STD FPR10,24(,R7)	Store extended BFP product part 2
000003CA	B29C 8004		00000004	354 STFPC 4(R8)	Store resulting FPCR flags and DXC
				355 *	
000003CE	6880 3000		00000000	356 LD FPR8,0(,R3)	Get long BFP multiplicand
000003D2	B29D F2D4		000002D4	357 LFPC FPCREGNT	Set exceptions non-trappable
000003D6	ED80 5000 0007		00000000	358 MXDB FPR8,0(,R5)	Multiply long FPR8 by multiplier RXE
000003DC	6080 7020		00000020	359 STD FPR8,32(,R7)	Store extended BFP product part 1
000003E0	60A0 7028		00000028	360 STD FPR10,40(,R7)	Store extended BFP product part 2
000003E4	B29C 8008		00000008	361 STFPC 8(R8)	Store resulting FPCR flags and DXC
				362 *	
000003E8	6880 3000		00000000	363 LD FPR8,0(,R3)	Get long BFP multiplicand
000003EC	B29D F2D8		000002D8	364 LFPC FPCREGTR	Set exceptions trappable
000003F0	ED80 5000 0007		00000000	365 MXDB FPR8,0(,R5)	Multiply long FPR8 by multiplier RXE



LOC	OBJECT CODE	ADDR1	ADDR2	STMT	
				379	*****
				380	*
				381	* Short BFP test data for Multiply to longer precision testing.
				382	*
				383	* The test data set is used for tests of basic functionality, NaN
				384	* propagation, and results from operations involving other than finite
				385	* numbers.
				386	*
				387	* Member values chosen to validate against Figure 19-23 on page 19-28
				388	* of SA22-7832-10. Each value in this table is tested against every
				389	* other value in the table. Eight entries means 64 result sets.
				390	*
				391	* Because Multiply to longer precision cannot generate overflow nor
				392	* underflow exceptions and the result is always exact, there are no
				393	* further tests required. Any more extensive testing would be in
				394	* effect a test of Softfloat, not of the the integration of Softfloat
				395	* to Hercules.
				396	*
				397	*****
00000418				399	SBFPNFIN DS 0F Inputs for short BFP non-finite tests
00000418	FF800000			400	DC X'FF800000' -inf
0000041C	C0000000			401	DC X'C0000000' -2.0
00000420	80000000			402	DC X'80000000' -0
00000424	00000000			403	DC X'00000000' +0
00000428	40000000			404	DC X'40000000' +2.0
0000042C	7F800000			405	DC X'7F800000' +inf
00000430	FFCB0000			406	DC X'FFCB0000' -QNaN
00000434	7F8A0000			407	DC X'7F8A0000' +SNaN
		00000008	00000001	408	SBFPNFCT EQU (*-SBFPNFIN)/4 Count of short BFP in list

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT
					410 *****
					411 *
					412 * Long BFP test data for Multiply to longer precision testing.
					413 *
					414 * The test data set is used for tests of basic functionality, NaN
					415 * propagation, and results from operations involving other than finite
					416 * numbers.
					417 *
					418 * Member values chosen to validate against Figure 19-23 on page 19-28
					419 * of SA22-7832-10. Each value in this table is tested against every
					420 * other value in the table. Eight entries means 64 result sets.
					421 *
					422 * Because Multiply to longer precision cannot generate overflow nor
					423 * underflow exceptions and the result is always exact, there are no
					424 * further tests required. Any more extensive testing would be in
					425 * effect a test of Softfloat, not of the the integration of Softfloat
					426 * to Hercules.
					427 *
					428 *****
00000438					430 LBFPNFIN DS 0F Inputs for long BFP testing
00000438	FFF00000	00000000			431 DC X'FFF0000000000000' -inf
00000440	C0000000	00000000			432 DC X'C000000000000000' -2.0
00000448	80000000	00000000			433 DC X'8000000000000000' -0
00000450	00000000	00000000			434 DC X'0000000000000000' +0
00000458	40000000	00000000			435 DC X'4000000000000000' +2.0
00000460	7FF00000	00000000			436 DC X'7FF0000000000000' +inf
00000468	FFF8B000	00000000			437 DC X'FFF8B00000000000' -QNaN
00000470	7FF0A000	00000000			438 DC X'7FF0A00000000000' +SNaN
			00000008	00000001	439 LBFPNFCT EQU (*-LBFPNFIN)/8 Count of long BFP in list



LOC	OBJECT CODE	ADDR1	ADDR2	STMT
				461 *****
				462 * EXPECTED results
				463 *****
				464 *
00000478		00000478	00004000	465 ORG STRTLABL+X'4000' (past end of actual results)
				466 *
		00004000	00000001	467 LBFPNFOT_GOOD EQU *
00004000	D4C4C5C2	D940D5C6		468 DC CL48'MDEBR NF -inf/-inf'
00004030	7FF00000	00000000		469 DC XL16'7FF00000000000007FF0000000000000'
00004040	D4C4C5C2	40D5C640		470 DC CL48'MDEB NF -inf/-inf'
00004070	7FF00000	00000000		471 DC XL16'7FF00000000000007FF0000000000000'
00004080	D4C4C5C2	D940D5C6		472 DC CL48'MDEBR NF -inf/-2.0'
000040B0	7FF00000	00000000		473 DC XL16'7FF00000000000007FF0000000000000'
000040C0	D4C4C5C2	40D5C640		474 DC CL48'MDEB NF -inf/-2.0'
000040F0	7FF00000	00000000		475 DC XL16'7FF00000000000007FF0000000000000'
00004100	D4C4C5C2	D940D5C6		476 DC CL48'MDEBR NF -inf/-0'
00004130	7FF80000	00000000		477 DC XL16'7FF8000000000000FF80000000000000'
00004140	D4C4C5C2	40D5C640		478 DC CL48'MDEB NF -inf/-0'
00004170	7FF80000	00000000		479 DC XL16'7FF8000000000000FF80000000000000'
00004180	D4C4C5C2	D940D5C6		480 DC CL48'MDEBR NF -inf/+0'
000041B0	7FF80000	00000000		481 DC XL16'7FF8000000000000FF80000000000000'
000041C0	D4C4C5C2	40D5C640		482 DC CL48'MDEB NF -inf/+0'
000041F0	7FF80000	00000000		483 DC XL16'7FF8000000000000FF80000000000000'
00004200	D4C4C5C2	D940D5C6		484 DC CL48'MDEBR NF -inf/+2.0'
00004230	FFF00000	00000000		485 DC XL16'FFF0000000000000FFF00000000000000'
00004240	D4C4C5C2	40D5C640		486 DC CL48'MDEB NF -inf/+2.0'
00004270	FFF00000	00000000		487 DC XL16'FFF0000000000000FFF00000000000000'
00004280	D4C4C5C2	D940D5C6		488 DC CL48'MDEBR NF -inf/+inf'
000042B0	FFF00000	00000000		489 DC XL16'FFF0000000000000FFF00000000000000'
000042C0	D4C4C5C2	40D5C640		490 DC CL48'MDEB NF -inf/+inf'
000042F0	FFF00000	00000000		491 DC XL16'FFF0000000000000FFF00000000000000'
00004300	D4C4C5C2	D940D5C6		492 DC CL48'MDEBR NF -inf/-QNaN'
00004330	FFF96000	00000000		493 DC XL16'FFF9600000000000FFF96000000000000'
00004340	D4C4C5C2	40D5C640		494 DC CL48'MDEB NF -inf/-QNaN'
00004370	FFF96000	00000000		495 DC XL16'FFF9600000000000FFF96000000000000'
00004380	D4C4C5C2	D940D5C6		496 DC CL48'MDEBR NF -inf/+SNaN'
000043B0	7FF94000	00000000		497 DC XL16'7FF9400000000000FF80000000000000'
000043C0	D4C4C5C2	40D5C640		498 DC CL48'MDEB NF -inf/+SNaN'
000043F0	7FF94000	00000000		499 DC XL16'7FF9400000000000FF80000000000000'
00004400	D4C4C5C2	D940D5C6		500 DC CL48'MDEBR NF -2.0/-inf'
00004430	7FF00000	00000000		501 DC XL16'7FF00000000000007FF0000000000000'
00004440	D4C4C5C2	40D5C640		502 DC CL48'MDEB NF -2.0/-inf'
00004470	7FF00000	00000000		503 DC XL16'7FF00000000000007FF0000000000000'
00004480	D4C4C5C2	D940D5C6		504 DC CL48'MDEBR NF -2.0/-2.0'
000044B0	40100000	00000000		505 DC XL16'40100000000000004010000000000000'
000044C0	D4C4C5C2	40D5C640		506 DC CL48'MDEB NF -2.0/-2.0'
000044F0	40100000	00000000		507 DC XL16'40100000000000004010000000000000'
00004500	D4C4C5C2	D940D5C6		508 DC CL48'MDEBR NF -2.0/-0'
00004530	00000000	00000000		509 DC XL16'0000000000000000000000000000000'
00004540	D4C4C5C2	40D5C640		510 DC CL48'MDEB NF -2.0/-0'
00004570	00000000	00000000		511 DC XL16'0000000000000000000000000000000'
00004580	D4C4C5C2	D940D5C6		512 DC CL48'MDEBR NF -2.0/+0'
000045B0	80000000	00000000		513 DC XL16'8000000000000000800000000000000'
000045C0	D4C4C5C2	40D5C640		514 DC CL48'MDEB NF -2.0/+0'
000045F0	80000000	00000000		515 DC XL16'8000000000000000800000000000000'
00004600	D4C4C5C2	D940D5C6		516 DC CL48'MDEBR NF -2.0/+2.0'

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00004630	C0100000 00000000			517 DC XL16'C010000000000000C01000000000000'
00004640	D4C4C5C2 40D5C640			518 DC CL48'MDEB NF -2.0/+2.0'
00004670	C0100000 00000000			519 DC XL16'C010000000000000C01000000000000'
00004680	D4C4C5C2 D940D5C6			520 DC CL48'MDEBR NF -2.0/+inf'
000046B0	FFF00000 00000000			521 DC XL16'FFF0000000000000FFF0000000000000'
000046C0	D4C4C5C2 40D5C640			522 DC CL48'MDEB NF -2.0/+inf'
000046F0	FFF00000 00000000			523 DC XL16'FFF0000000000000FFF0000000000000'
00004700	D4C4C5C2 D940D5C6			524 DC CL48'MDEBR NF -2.0/-QNaN'
00004730	FFF96000 00000000			525 DC XL16'FFF9600000000000FFF9600000000000'
00004740	D4C4C5C2 40D5C640			526 DC CL48'MDEB NF -2.0/-QNaN'
00004770	FFF96000 00000000			527 DC XL16'FFF9600000000000FFF9600000000000'
00004780	D4C4C5C2 D940D5C6			528 DC CL48'MDEBR NF -2.0/+SNaN'
000047B0	7FF94000 00000000			529 DC XL16'7FF9400000000000C000000000000000'
000047C0	D4C4C5C2 40D5C640			530 DC CL48'MDEB NF -2.0/+SNaN'
000047F0	7FF94000 00000000			531 DC XL16'7FF9400000000000C000000000000000'
00004800	D4C4C5C2 D940D5C6			532 DC CL48'MDEBR NF -0/-inf'
00004830	7FF80000 00000000			533 DC XL16'7FF80000000000008000000000000000'
00004840	D4C4C5C2 40D5C640			534 DC CL48'MDEB NF -0/-inf'
00004870	7FF80000 00000000			535 DC XL16'7FF80000000000008000000000000000'
00004880	D4C4C5C2 D940D5C6			536 DC CL48'MDEBR NF -0/-2.0'
000048B0	00000000 00000000			537 DC XL16'00000000000000000000000000000000'
000048C0	D4C4C5C2 40D5C640			538 DC CL48'MDEB NF -0/-2.0'
000048F0	00000000 00000000			539 DC XL16'00000000000000000000000000000000'
00004900	D4C4C5C2 D940D5C6			540 DC CL48'MDEBR NF -0/-0'
00004930	00000000 00000000			541 DC XL16'00000000000000000000000000000000'
00004940	D4C4C5C2 40D5C640			542 DC CL48'MDEB NF -0/-0'
00004970	00000000 00000000			543 DC XL16'00000000000000000000000000000000'
00004980	D4C4C5C2 D940D5C6			544 DC CL48'MDEBR NF -0/+0'
000049B0	80000000 00000000			545 DC XL16'80000000000000008000000000000000'
000049C0	D4C4C5C2 40D5C640			546 DC CL48'MDEB NF -0/+0'
000049F0	80000000 00000000			547 DC XL16'80000000000000008000000000000000'
00004A00	D4C4C5C2 D940D5C6			548 DC CL48'MDEBR NF -0/+2.0'
00004A30	80000000 00000000			549 DC XL16'80000000000000008000000000000000'
00004A40	D4C4C5C2 40D5C640			550 DC CL48'MDEB NF -0/+2.0'
00004A70	80000000 00000000			551 DC XL16'80000000000000008000000000000000'
00004A80	D4C4C5C2 D940D5C6			552 DC CL48'MDEBR NF -0/+inf'
00004AB0	7FF80000 00000000			553 DC XL16'7FF80000000000008000000000000000'
00004AC0	D4C4C5C2 40D5C640			554 DC CL48'MDEB NF -0/+inf'
00004AF0	7FF80000 00000000			555 DC XL16'7FF80000000000008000000000000000'
00004B00	D4C4C5C2 D940D5C6			556 DC CL48'MDEBR NF -0/-QNaN'
00004B30	FFF96000 00000000			557 DC XL16'FFF9600000000000FFF9600000000000'
00004B40	D4C4C5C2 40D5C640			558 DC CL48'MDEB NF -0/-QNaN'
00004B70	FFF96000 00000000			559 DC XL16'FFF9600000000000FFF9600000000000'
00004B80	D4C4C5C2 D940D5C6			560 DC CL48'MDEBR NF -0/+SNaN'
00004BB0	7FF94000 00000000			561 DC XL16'7FF94000000000008000000000000000'
00004BC0	D4C4C5C2 40D5C640			562 DC CL48'MDEB NF -0/+SNaN'
00004BF0	7FF94000 00000000			563 DC XL16'7FF94000000000008000000000000000'
00004C00	D4C4C5C2 D940D5C6			564 DC CL48'MDEBR NF +0/-inf'
00004C30	7FF80000 00000000			565 DC XL16'7FF80000000000000000000000000000'
00004C40	D4C4C5C2 40D5C640			566 DC CL48'MDEB NF +0/-inf'
00004C70	7FF80000 00000000			567 DC XL16'7FF80000000000000000000000000000'
00004C80	D4C4C5C2 D940D5C6			568 DC CL48'MDEBR NF +0/-2.0'
00004CB0	80000000 00000000			569 DC XL16'80000000000000008000000000000000'
00004CC0	D4C4C5C2 40D5C640			570 DC CL48'MDEB NF +0/-2.0'
00004CF0	80000000 00000000			571 DC XL16'80000000000000008000000000000000'
00004D00	D4C4C5C2 D940D5C6			572 DC CL48'MDEBR NF +0/-0'

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00004D30	80000000 00000000			573 DC XL16'800000000000000080000000000000'
00004D40	D4C4C5C2 40D5C640			574 DC CL48'MDEB NF +0/-0'
00004D70	80000000 00000000			575 DC XL16'800000000000000080000000000000'
00004D80	D4C4C5C2 D940D5C6			576 DC CL48'MDEBR NF +0/+0'
00004DB0	00000000 00000000			577 DC XL16'000000000000000000000000000000'
00004DC0	D4C4C5C2 40D5C640			578 DC CL48'MDEB NF +0/+0'
00004DF0	00000000 00000000			579 DC XL16'000000000000000000000000000000'
00004E00	D4C4C5C2 D940D5C6			580 DC CL48'MDEBR NF +0/+2.0'
00004E30	00000000 00000000			581 DC XL16'000000000000000000000000000000'
00004E40	D4C4C5C2 40D5C640			582 DC CL48'MDEB NF +0/+2.0'
00004E70	00000000 00000000			583 DC XL16'000000000000000000000000000000'
00004E80	D4C4C5C2 D940D5C6			584 DC CL48'MDEBR NF +0/+inf'
00004EB0	7FF80000 00000000			585 DC XL16'7FF800000000000000000000000000'
00004EC0	D4C4C5C2 40D5C640			586 DC CL48'MDEB NF +0/+inf'
00004EF0	7FF80000 00000000			587 DC XL16'7FF800000000000000000000000000'
00004F00	D4C4C5C2 D940D5C6			588 DC CL48'MDEBR NF +0/-QNaN'
00004F30	FFF96000 00000000			589 DC XL16'FFF9600000000000FFF9600000000000'
00004F40	D4C4C5C2 40D5C640			590 DC CL48'MDEB NF +0/-QNaN'
00004F70	FFF96000 00000000			591 DC XL16'FFF9600000000000FFF9600000000000'
00004F80	D4C4C5C2 D940D5C6			592 DC CL48'MDEBR NF +0/+SNaN'
00004FB0	7FF94000 00000000			593 DC XL16'7FF940000000000000000000000000'
00004FC0	D4C4C5C2 40D5C640			594 DC CL48'MDEB NF +0/+SNaN'
00004FF0	7FF94000 00000000			595 DC XL16'7FF940000000000000000000000000'
00005000	D4C4C5C2 D940D5C6			596 DC CL48'MDEBR NF +2.0/-inf'
00005030	FFF00000 00000000			597 DC XL16'FFF0000000000000FFF0000000000000'
00005040	D4C4C5C2 40D5C640			598 DC CL48'MDEB NF +2.0/-inf'
00005070	FFF00000 00000000			599 DC XL16'FFF0000000000000FFF0000000000000'
00005080	D4C4C5C2 D940D5C6			600 DC CL48'MDEBR NF +2.0/-2.0'
000050B0	C0100000 00000000			601 DC XL16'C010000000000000C010000000000000'
000050C0	D4C4C5C2 40D5C640			602 DC CL48'MDEB NF +2.0/-2.0'
000050F0	C0100000 00000000			603 DC XL16'C010000000000000C010000000000000'
00005100	D4C4C5C2 D940D5C6			604 DC CL48'MDEBR NF +2.0/-0'
00005130	80000000 00000000			605 DC XL16'800000000000000080000000000000'
00005140	D4C4C5C2 40D5C640			606 DC CL48'MDEB NF +2.0/-0'
00005170	80000000 00000000			607 DC XL16'800000000000000080000000000000'
00005180	D4C4C5C2 D940D5C6			608 DC CL48'MDEBR NF +2.0/+0'
000051B0	00000000 00000000			609 DC XL16'000000000000000000000000000000'
000051C0	D4C4C5C2 40D5C640			610 DC CL48'MDEB NF +2.0/+0'
000051F0	00000000 00000000			611 DC XL16'000000000000000000000000000000'
00005200	D4C4C5C2 D940D5C6			612 DC CL48'MDEBR NF +2.0/+2.0'
00005230	40100000 00000000			613 DC XL16'40100000000000004010000000000000'
00005240	D4C4C5C2 40D5C640			614 DC CL48'MDEB NF +2.0/+2.0'
00005270	40100000 00000000			615 DC XL16'40100000000000004010000000000000'
00005280	D4C4C5C2 D940D5C6			616 DC CL48'MDEBR NF +2.0/+inf'
000052B0	7FF00000 00000000			617 DC XL16'7FF00000000000007FF0000000000000'
000052C0	D4C4C5C2 40D5C640			618 DC CL48'MDEB NF +2.0/+inf'
000052F0	7FF00000 00000000			619 DC XL16'7FF00000000000007FF0000000000000'
00005300	D4C4C5C2 D940D5C6			620 DC CL48'MDEBR NF +2.0/-QNaN'
00005330	FFF96000 00000000			621 DC XL16'FFF9600000000000FFF9600000000000'
00005340	D4C4C5C2 40D5C640			622 DC CL48'MDEB NF +2.0/-QNaN'
00005370	FFF96000 00000000			623 DC XL16'FFF9600000000000FFF9600000000000'
00005380	D4C4C5C2 D940D5C6			624 DC CL48'MDEBR NF +2.0/+SNaN'
000053B0	7FF94000 00000000			625 DC XL16'7FF9400000000000400000000000000'
000053C0	D4C4C5C2 40D5C640			626 DC CL48'MDEB NF +2.0/+SNaN'
000053F0	7FF94000 00000000			627 DC XL16'7FF9400000000000400000000000000'
00005400	D4C4C5C2 D940D5C6			628 DC CL48'MDEBR NF +inf/-inf'

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00005430	FFF00000 00000000			629 DC XL16'FFF0000000000000FFF0000000000000'
00005440	D4C4C5C2 40D5C640			630 DC CL48'MDEB NF +inf/-inf'
00005470	FFF00000 00000000			631 DC XL16'FFF0000000000000FFF0000000000000'
00005480	D4C4C5C2 D940D5C6			632 DC CL48'MDEBR NF +inf/-2.0'
000054B0	FFF00000 00000000			633 DC XL16'FFF0000000000000FFF0000000000000'
000054C0	D4C4C5C2 40D5C640			634 DC CL48'MDEB NF +inf/-2.0'
000054F0	FFF00000 00000000			635 DC XL16'FFF0000000000000FFF0000000000000'
00005500	D4C4C5C2 D940D5C6			636 DC CL48'MDEBR NF +inf/-0'
00005530	7FF80000 00000000			637 DC XL16'7FF80000000000007F80000000000000'
00005540	D4C4C5C2 40D5C640			638 DC CL48'MDEB NF +inf/-0'
00005570	7FF80000 00000000			639 DC XL16'7FF80000000000007F80000000000000'
00005580	D4C4C5C2 D940D5C6			640 DC CL48'MDEBR NF +inf/+0'
000055B0	7FF80000 00000000			641 DC XL16'7FF80000000000007F80000000000000'
000055C0	D4C4C5C2 40D5C640			642 DC CL48'MDEB NF +inf/+0'
000055F0	7FF80000 00000000			643 DC XL16'7FF80000000000007F80000000000000'
00005600	D4C4C5C2 D940D5C6			644 DC CL48'MDEBR NF +inf/+2.0'
00005630	7FF00000 00000000			645 DC XL16'7FF00000000000007FF0000000000000'
00005640	D4C4C5C2 40D5C640			646 DC CL48'MDEB NF +inf/+2.0'
00005670	7FF00000 00000000			647 DC XL16'7FF00000000000007FF0000000000000'
00005680	D4C4C5C2 D940D5C6			648 DC CL48'MDEBR NF +inf/+inf'
000056B0	7FF00000 00000000			649 DC XL16'7FF00000000000007FF0000000000000'
000056C0	D4C4C5C2 40D5C640			650 DC CL48'MDEB NF +inf/+inf'
000056F0	7FF00000 00000000			651 DC XL16'7FF00000000000007FF0000000000000'
00005700	D4C4C5C2 D940D5C6			652 DC CL48'MDEBR NF +inf/-QNaN'
00005730	FFF96000 00000000			653 DC XL16'FFF9600000000000FFF9600000000000'
00005740	D4C4C5C2 40D5C640			654 DC CL48'MDEB NF +inf/-QNaN'
00005770	FFF96000 00000000			655 DC XL16'FFF9600000000000FFF9600000000000'
00005780	D4C4C5C2 D940D5C6			656 DC CL48'MDEBR NF +inf/+SNaN'
000057B0	7FF94000 00000000			657 DC XL16'7FF94000000000007F80000000000000'
000057C0	D4C4C5C2 40D5C640			658 DC CL48'MDEB NF +inf/+SNaN'
000057F0	7FF94000 00000000			659 DC XL16'7FF94000000000007F80000000000000'
00005800	D4C4C5C2 D940D5C6			660 DC CL48'MDEBR NF -QNaN/-inf'
00005830	FFF96000 00000000			661 DC XL16'FFF9600000000000FFF9600000000000'
00005840	D4C4C5C2 40D5C640			662 DC CL48'MDEB NF -QNaN/-inf'
00005870	FFF96000 00000000			663 DC XL16'FFF9600000000000FFF9600000000000'
00005880	D4C4C5C2 D940D5C6			664 DC CL48'MDEBR NF -QNaN/-2.0'
000058B0	FFF96000 00000000			665 DC XL16'FFF9600000000000FFF9600000000000'
000058C0	D4C4C5C2 40D5C640			666 DC CL48'MDEB NF -QNaN/-2.0'
000058F0	FFF96000 00000000			667 DC XL16'FFF9600000000000FFF9600000000000'
00005900	D4C4C5C2 D940D5C6			668 DC CL48'MDEBR NF -QNaN/-0'
00005930	FFF96000 00000000			669 DC XL16'FFF9600000000000FFF9600000000000'
00005940	D4C4C5C2 40D5C640			670 DC CL48'MDEB NF -QNaN/-0'
00005970	FFF96000 00000000			671 DC XL16'FFF9600000000000FFF9600000000000'
00005980	D4C4C5C2 D940D5C6			672 DC CL48'MDEBR NF -QNaN/+0'
000059B0	FFF96000 00000000			673 DC XL16'FFF9600000000000FFF9600000000000'
000059C0	D4C4C5C2 40D5C640			674 DC CL48'MDEB NF -QNaN/+0'
000059F0	FFF96000 00000000			675 DC XL16'FFF9600000000000FFF9600000000000'
00005A00	D4C4C5C2 D940D5C6			676 DC CL48'MDEBR NF -QNaN/+2.0'
00005A30	FFF96000 00000000			677 DC XL16'FFF9600000000000FFF9600000000000'
00005A40	D4C4C5C2 40D5C640			678 DC CL48'MDEB NF -QNaN/+2.0'
00005A70	FFF96000 00000000			679 DC XL16'FFF9600000000000FFF9600000000000'
00005A80	D4C4C5C2 D940D5C6			680 DC CL48'MDEBR NF -QNaN/+inf'
00005AB0	FFF96000 00000000			681 DC XL16'FFF9600000000000FFF9600000000000'
00005AC0	D4C4C5C2 40D5C640			682 DC CL48'MDEB NF -QNaN/+inf'
00005AF0	FFF96000 00000000			683 DC XL16'FFF9600000000000FFF9600000000000'
00005B00	D4C4C5C2 D940D5C6			684 DC CL48'MDEBR NF -QNaN/-QNaN'

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00005B30	FFF96000 00000000			685 DC XL16'FFF9600000000000FFF9600000000000'
00005B40	D4C4C5C2 40D5C640			686 DC CL48'MDEB NF -QNaN/-QNaN'
00005B70	FFF96000 00000000			687 DC XL16'FFF9600000000000FFF9600000000000'
00005B80	D4C4C5C2 D940D5C6			688 DC CL48'MDEBR NF -QNaN/+SNaN'
00005BB0	7FF94000 00000000			689 DC XL16'7FF9400000000000FFCB000000000000'
00005BC0	D4C4C5C2 40D5C640			690 DC CL48'MDEB NF -QNaN/+SNaN'
00005BF0	7FF94000 00000000			691 DC XL16'7FF9400000000000FFCB000000000000'
00005C00	D4C4C5C2 D940D5C6			692 DC CL48'MDEBR NF +SNaN/-inf'
00005C30	7FF94000 00000000			693 DC XL16'7FF94000000000007F8A000000000000'
00005C40	D4C4C5C2 40D5C640			694 DC CL48'MDEB NF +SNaN/-inf'
00005C70	7FF94000 00000000			695 DC XL16'7FF94000000000007F8A000000000000'
00005C80	D4C4C5C2 D940D5C6			696 DC CL48'MDEBR NF +SNaN/-2.0'
00005CB0	7FF94000 00000000			697 DC XL16'7FF94000000000007F8A000000000000'
00005CC0	D4C4C5C2 40D5C640			698 DC CL48'MDEB NF +SNaN/-2.0'
00005CF0	7FF94000 00000000			699 DC XL16'7FF94000000000007F8A000000000000'
00005D00	D4C4C5C2 D940D5C6			700 DC CL48'MDEBR NF +SNaN/-0'
00005D30	7FF94000 00000000			701 DC XL16'7FF94000000000007F8A000000000000'
00005D40	D4C4C5C2 40D5C640			702 DC CL48'MDEB NF +SNaN/-0'
00005D70	7FF94000 00000000			703 DC XL16'7FF94000000000007F8A000000000000'
00005D80	D4C4C5C2 D940D5C6			704 DC CL48'MDEBR NF +SNaN/+0'
00005DB0	7FF94000 00000000			705 DC XL16'7FF94000000000007F8A000000000000'
00005DC0	D4C4C5C2 40D5C640			706 DC CL48'MDEB NF +SNaN/+0'
00005DF0	7FF94000 00000000			707 DC XL16'7FF94000000000007F8A000000000000'
00005E00	D4C4C5C2 D940D5C6			708 DC CL48'MDEBR NF +SNaN/+2.0'
00005E30	7FF94000 00000000			709 DC XL16'7FF94000000000007F8A000000000000'
00005E40	D4C4C5C2 40D5C640			710 DC CL48'MDEB NF +SNaN/+2.0'
00005E70	7FF94000 00000000			711 DC XL16'7FF94000000000007F8A000000000000'
00005E80	D4C4C5C2 D940D5C6			712 DC CL48'MDEBR NF +SNaN/+inf'
00005EB0	7FF94000 00000000			713 DC XL16'7FF94000000000007F8A000000000000'
00005EC0	D4C4C5C2 40D5C640			714 DC CL48'MDEB NF +SNaN/+inf'
00005EF0	7FF94000 00000000			715 DC XL16'7FF94000000000007F8A000000000000'
00005F00	D4C4C5C2 D940D5C6			716 DC CL48'MDEBR NF +SNaN/-QNaN'
00005F30	7FF94000 00000000			717 DC XL16'7FF94000000000007F8A000000000000'
00005F40	D4C4C5C2 D940D5C6			718 DC CL48'MDEBR NF +SNaN/-QNaN'
00005F70	7FF94000 00000000			719 DC XL16'7FF94000000000007F8A000000000000'
00005F80	D4C4C5C2 D940D5C6			720 DC CL48'MDEBR NF +SNaN/+SNaN'
00005FB0	7FF94000 00000000			721 DC XL16'7FF94000000000007F8A000000000000'
00005FC0	D4C4C5C2 40D5C640			722 DC CL48'MDEB NF +SNaN/+SNaN'
00005FF0	7FF94000 00000000			723 DC XL16'7FF94000000000007F8A000000000000'
		00000080	00000001	724 LBFPNFOT_NUM EQU (*-LBFPNFOT_GOOD)/64
				725 *
				726 *
		00006000	00000001	727 LBFPNFFL_GOOD EQU *
00006000	D4C4C2D9 40D5C640			728 DC CL48'MDBR NF -inf/-inf FPCR'
00006030	00000000 F8000000			729 DC XL16'00000000F800000000000000F8000000'
00006040	D4C4C240 D5C64060			730 DC CL48'MDB NF -inf/-2.0 FPCR'
00006070	00000000 F8000000			731 DC XL16'00000000F800000000000000F8000000'
00006080	D4C4C2D9 40D5C640			732 DC CL48'MDBR NF -inf/-0 FPCR'
000060B0	00800000 F8008000			733 DC XL16'00800000F800800000800000F8008000'
000060C0	D4C4C240 D5C64060			734 DC CL48'MDB NF -inf/+0 FPCR'
000060F0	00800000 F8008000			735 DC XL16'00800000F800800000800000F8008000'
00006100	D4C4C2D9 40D5C640			736 DC CL48'MDBR NF -inf/+2.0 FPCR'
00006130	00000000 F8000000			737 DC XL16'00000000F800000000000000F8000000'
00006140	D4C4C240 D5C64060			738 DC CL48'MDB NF -inf/+inf FPCR'
00006170	00000000 F8000000			739 DC XL16'00000000F800000000000000F8000000'
00006180	D4C4C2D9 40D5C640			740 DC CL48'MDBR NF -inf/-QNaN FPCR'

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
000061B0	00000000 F8000000			741 DC XL16'00000000F800000000000000F8000000'
000061C0	D4C4C240 D5C64060			742 DC CL48'MDB NF -inf/+NaN FPCR'
000061F0	00800000 F8008000			743 DC XL16'00800000F800800000800000F8008000'
00006200	D4C4C2D9 40D5C640			744 DC CL48'MDBR NF -2.0/-inf FPCR'
00006230	00000000 F8000000			745 DC XL16'00000000F800000000000000F8000000'
00006240	D4C4C240 D5C64060			746 DC CL48'MDB NF -2.0/-2.0 FPCR'
00006270	00000000 F8000000			747 DC XL16'00000000F800000000000000F8000000'
00006280	D4C4C2D9 40D5C640			748 DC CL48'MDBR NF -2.0/-0 FPCR'
000062B0	00000000 F8000000			749 DC XL16'00000000F800000000000000F8000000'
000062C0	D4C4C240 D5C64060			750 DC CL48'MDB NF -2.0/+0 FPCR'
000062F0	00000000 F8000000			751 DC XL16'00000000F800000000000000F8000000'
00006300	D4C4C2D9 40D5C640			752 DC CL48'MDBR NF -2.0/+2.0 FPCR'
00006330	00000000 F8000000			753 DC XL16'00000000F800000000000000F8000000'
00006340	D4C4C240 D5C64060			754 DC CL48'MDB NF -2.0/+inf FPCR'
00006370	00000000 F8000000			755 DC XL16'00000000F800000000000000F8000000'
00006380	D4C4C2D9 40D5C640			756 DC CL48'MDBR NF -2.0/-QNaN FPCR'
000063B0	00000000 F8000000			757 DC XL16'00000000F800000000000000F8000000'
000063C0	D4C4C240 D5C64060			758 DC CL48'MDB NF -2.0/+NaN FPCR'
000063F0	00800000 F8008000			759 DC XL16'00800000F800800000800000F8008000'
00006400	D4C4C2D9 40D5C640			760 DC CL48'MDBR NF -0/-inf FPCR'
00006430	00800000 F8008000			761 DC XL16'00800000F800800000800000F8008000'
00006440	D4C4C240 D5C64060			762 DC CL48'MDB NF -0/-2.0 FPCR'
00006470	00000000 F8000000			763 DC XL16'00000000F800000000000000F8000000'
00006480	D4C4C2D9 40D5C640			764 DC CL48'MDBR NF -0/-0 FPCR'
000064B0	00000000 F8000000			765 DC XL16'00000000F800000000000000F8000000'
000064C0	D4C4C240 D5C64060			766 DC CL48'MDB NF -0/+0 FPCR'
000064F0	00000000 F8000000			767 DC XL16'00000000F800000000000000F8000000'
00006500	D4C4C2D9 40D5C640			768 DC CL48'MDBR NF -0/+2.0 FPCR'
00006530	00000000 F8000000			769 DC XL16'00000000F800000000000000F8000000'
00006540	D4C4C240 D5C64060			770 DC CL48'MDB NF -0/+inf FPCR'
00006570	00800000 F8008000			771 DC XL16'00800000F800800000800000F8008000'
00006580	D4C4C2D9 40D5C640			772 DC CL48'MDBR NF -0/-QNaN FPCR'
000065B0	00000000 F8000000			773 DC XL16'00000000F800000000000000F8000000'
000065C0	D4C4C240 D5C64060			774 DC CL48'MDB NF -0/+NaN FPCR'
000065F0	00800000 F8008000			775 DC XL16'00800000F800800000800000F8008000'
00006600	D4C4C2D9 40D5C640			776 DC CL48'MDBR NF +0/-inf FPCR'
00006630	00800000 F8008000			777 DC XL16'00800000F800800000800000F8008000'
00006640	D4C4C240 D5C6404E			778 DC CL48'MDB NF +0/-2.0 FPCR'
00006670	00000000 F8000000			779 DC XL16'00000000F800000000000000F8000000'
00006680	D4C4C2D9 40D5C640			780 DC CL48'MDBR NF +0/-0 FPCR'
000066B0	00000000 F8000000			781 DC XL16'00000000F800000000000000F8000000'
000066C0	D4C4C240 D5C6404E			782 DC CL48'MDB NF +0/+0 FPCR'
000066F0	00000000 F8000000			783 DC XL16'00000000F800000000000000F8000000'
00006700	D4C4C2D9 40D5C640			784 DC CL48'MDBR NF +0/+2.0 FPCR'
00006730	00000000 F8000000			785 DC XL16'00000000F800000000000000F8000000'
00006740	D4C4C240 D5C6404E			786 DC CL48'MDB NF +0/+inf FPCR'
00006770	00800000 F8008000			787 DC XL16'00800000F800800000800000F8008000'
00006780	D4C4C2D9 40D5C640			788 DC CL48'MDBR NF +0/-QNaN FPCR'
000067B0	00000000 F8000000			789 DC XL16'00000000F800000000000000F8000000'
000067C0	D4C4C240 D5C6404E			790 DC CL48'MDB NF +0/+NaN FPCR'
000067F0	00800000 F8008000			791 DC XL16'00800000F800800000800000F8008000'
00006800	D4C4C2D9 40D5C640			792 DC CL48'MDBR NF +2.0/-inf FPCR'
00006830	00000000 F8000000			793 DC XL16'00000000F800000000000000F8000000'
00006840	D4C4C240 D5C6404E			794 DC CL48'MDB NF +2.0/-2.0 FPCR'
00006870	00000000 F8000000			795 DC XL16'00000000F800000000000000F8000000'
00006880	D4C4C2D9 40D5C640			796 DC CL48'MDBR NF +2.0/-0 FPCR'

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
000068B0	00000000 F8000000			797 DC XL16'00000000F800000000000000F8000000'
000068C0	D4C4C240 D5C6404E			798 DC CL48'MDB NF +2.0/+0 FPCR'
000068F0	00000000 F8000000			799 DC XL16'00000000F800000000000000F8000000'
00006900	D4C4C2D9 40D5C640			800 DC CL48'MDBR NF +2.0/+2.0 FPCR'
00006930	00000000 F8000000			801 DC XL16'00000000F800000000000000F8000000'
00006940	D4C4C240 D5C6404E			802 DC CL48'MDB NF +2.0/+inf FPCR'
00006970	00000000 F8000000			803 DC XL16'00000000F800000000000000F8000000'
00006980	D4C4C2D9 40D5C640			804 DC CL48'MDBR NF +2.0/-QNaN FPCR'
000069B0	00000000 F8000000			805 DC XL16'00000000F800000000000000F8000000'
000069C0	D4C4C240 D5C6404E			806 DC CL48'MDB NF +2.0/+SNaN FPCR'
000069F0	00800000 F8008000			807 DC XL16'00800000F800800000800000F8008000'
00006A00	D4C4C2D9 40D5C640			808 DC CL48'MDBR NF +inf/-inf FPCR'
00006A30	00000000 F8000000			809 DC XL16'00000000F800000000000000F8000000'
00006A40	D4C4C240 D5C6404E			810 DC CL48'MDB NF +inf/-2.0 FPCR'
00006A70	00000000 F8000000			811 DC XL16'00000000F800000000000000F8000000'
00006A80	D4C4C2D9 40D5C640			812 DC CL48'MDBR NF +inf/-0 FPCR'
00006AB0	00800000 F8008000			813 DC XL16'00800000F800800000800000F8008000'
00006AC0	D4C4C240 D5C6404E			814 DC CL48'MDB NF +inf/+0 FPCR'
00006AF0	00800000 F8008000			815 DC XL16'00800000F800800000800000F8008000'
00006B00	D4C4C2D9 40D5C640			816 DC CL48'MDBR NF +inf/+2.0 FPCR'
00006B30	00000000 F8000000			817 DC XL16'00000000F800000000000000F8000000'
00006B40	D4C4C240 D5C6404E			818 DC CL48'MDB NF +inf/+inf FPCR'
00006B70	00000000 F8000000			819 DC XL16'00000000F800000000000000F8000000'
00006B80	D4C4C2D9 40D5C640			820 DC CL48'MDBR NF +inf/-QNaN FPCR'
00006BB0	00000000 F8000000			821 DC XL16'00000000F800000000000000F8000000'
00006BC0	D4C4C240 D5C6404E			822 DC CL48'MDB NF +inf/+SNaN FPCR'
00006BF0	00800000 F8008000			823 DC XL16'00800000F800800000800000F8008000'
00006C00	D4C4C2D9 40D5C640			824 DC CL48'MDBR NF -QNaN/-inf FPCR'
00006C30	00000000 F8000000			825 DC XL16'00000000F800000000000000F8000000'
00006C40	D4C4C240 D5C64060			826 DC CL48'MDB NF -QNaN/-2.0 FPCR'
00006C70	00000000 F8000000			827 DC XL16'00000000F800000000000000F8000000'
00006C80	D4C4C2D9 40D5C640			828 DC CL48'MDBR NF -QNaN/-0 FPCR'
00006CB0	00000000 F8000000			829 DC XL16'00000000F800000000000000F8000000'
00006CC0	D4C4C240 D5C64060			830 DC CL48'MDB NF -QNaN/+0 FPCR'
00006CF0	00000000 F8000000			831 DC XL16'00000000F800000000000000F8000000'
00006D00	D4C4C2D9 40D5C640			832 DC CL48'MDBR NF -QNaN/+2.0 FPCR'
00006D30	00000000 F8000000			833 DC XL16'00000000F800000000000000F8000000'
00006D40	D4C4C240 D5C64060			834 DC CL48'MDB NF -QNaN/+inf FPCR'
00006D70	00000000 F8000000			835 DC XL16'00000000F800000000000000F8000000'
00006D80	D4C4C2D9 40D5C640			836 DC CL48'MDBR NF -QNaN/-QNaN FPCR'
00006DB0	00000000 F8000000			837 DC XL16'00000000F800000000000000F8000000'
00006DC0	D4C4C240 D5C64060			838 DC CL48'MDB NF -QNaN/+SNaN FPCR'
00006DF0	00800000 F8008000			839 DC XL16'00800000F800800000800000F8008000'
00006E00	D4C4C2D9 40D5C640			840 DC CL48'MDBR NF +SNaN/-inf FPCR'
00006E30	00800000 F8008000			841 DC XL16'00800000F800800000800000F8008000'
00006E40	D4C4C240 D5C6404E			842 DC CL48'MDB NF +SNaN/-2.0 FPCR'
00006E70	00800000 F8008000			843 DC XL16'00800000F800800000800000F8008000'
00006E80	D4C4C2D9 40D5C640			844 DC CL48'MDBR NF +SNaN/-0 FPCR'
00006EB0	00800000 F8008000			845 DC XL16'00800000F800800000800000F8008000'
00006EC0	D4C4C240 D5C6404E			846 DC CL48'MDB NF +SNaN/+0 FPCR'
00006EF0	00800000 F8008000			847 DC XL16'00800000F800800000800000F8008000'
00006F00	D4C4C2D9 40D5C640			848 DC CL48'MDBR NF +SNaN/+2.0 FPCR'
00006F30	00800000 F8008000			849 DC XL16'00800000F800800000800000F8008000'
00006F40	D4C4C240 D5C6404E			850 DC CL48'MDB NF +SNaN/+inf FPCR'
00006F70	00800000 F8008000			851 DC XL16'00800000F800800000800000F8008000'
00006F80	D4C4C2D9 40D5C640			852 DC CL48'MDBR NF +SNaN/-QNaN FPCR'

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00006FB0	00800000 F8008000			853 DC XL16'00800000F800800000800000F8008000'
00006FC0	D4C4C240 D5C6404E			854 DC CL48'MDB NF +SNaN/+SNaN FPCR'
00006FF0	00800000 F8008000			855 DC XL16'00800000F800800000800000F8008000'
		00000040	00000001	856 LBFPNFFL_NUM EQU (*-LBFPNFFL_GOOD)/64
				857 *
				858 *
		00007000	00000001	859 XBFPNFOT_GOOD EQU *
00007000	D4E7C4C2 D940D5C6			860 DC CL48'MXDBR NF -inf/-inf NT'
00007030	7FFF0000 00000000			861 DC XL16'7FFF0000000000000000000000000000'
00007040	D4E7C4C2 D940D5C6			862 DC CL48'MXDBR NF -inf/-inf Tr'
00007070	7FFF0000 00000000			863 DC XL16'7FFF0000000000000000000000000000'
00007080	D4E7C4C2 40D5C640			864 DC CL48'MXDB NF -inf/-inf NT'
000070B0	7FFF0000 00000000			865 DC XL16'7FFF0000000000000000000000000000'
000070C0	D4E7C4C2 40D5C640			866 DC CL48'MXDB NF -inf/-inf Tr'
000070F0	7FFF0000 00000000			867 DC XL16'7FFF0000000000000000000000000000'
00007100	D4E7C4C2 D940D5C6			868 DC CL48'MXDBR NF -inf/-2.0 NT'
00007130	7FFF0000 00000000			869 DC XL16'7FFF0000000000000000000000000000'
00007140	D4E7C4C2 D940D5C6			870 DC CL48'MXDBR NF -inf/-2.0 Tr'
00007170	7FFF0000 00000000			871 DC XL16'7FFF0000000000000000000000000000'
00007180	D4E7C4C2 40D5C640			872 DC CL48'MXDB NF -inf/-2.0 NT'
000071B0	7FFF0000 00000000			873 DC XL16'7FFF0000000000000000000000000000'
000071C0	D4E7C4C2 40D5C640			874 DC CL48'MXDB NF -inf/-2.0 Tr'
000071F0	7FFF0000 00000000			875 DC XL16'7FFF0000000000000000000000000000'
00007200	D4E7C4C2 D940D5C6			876 DC CL48'MXDBR NF -inf/-0 NT'
00007230	7FFF8000 00000000			877 DC XL16'7FFF8000000000000000000000000000'
00007240	D4E7C4C2 D940D5C6			878 DC CL48'MXDBR NF -inf/-0 Tr'
00007270	FFF00000 00000000			879 DC XL16'FFF00000000000000000000000000000'
00007280	D4E7C4C2 40D5C640			880 DC CL48'MXDB NF -inf/-0 NT'
000072B0	7FFF8000 00000000			881 DC XL16'7FFF8000000000000000000000000000'
000072C0	D4E7C4C2 40D5C640			882 DC CL48'MXDB NF -inf/-0 Tr'
000072F0	FFF00000 00000000			883 DC XL16'FFF00000000000000000000000000000'
00007300	D4E7C4C2 D940D5C6			884 DC CL48'MXDBR NF -inf/+0 NT'
00007330	7FFF8000 00000000			885 DC XL16'7FFF8000000000000000000000000000'
00007340	D4E7C4C2 D940D5C6			886 DC CL48'MXDBR NF -inf/+0 Tr'
00007370	FFF00000 00000000			887 DC XL16'FFF00000000000000000000000000000'
00007380	D4E7C4C2 40D5C640			888 DC CL48'MXDB NF -inf/+0 NT'
000073B0	7FFF8000 00000000			889 DC XL16'7FFF8000000000000000000000000000'
000073C0	D4E7C4C2 40D5C640			890 DC CL48'MXDB NF -inf/+0 Tr'
000073F0	FFF00000 00000000			891 DC XL16'FFF00000000000000000000000000000'
00007400	D4E7C4C2 D940D5C6			892 DC CL48'MXDBR NF -inf/+2.0 NT'
00007430	FFFF0000 00000000			893 DC XL16'FFFF0000000000000000000000000000'
00007440	D4E7C4C2 D940D5C6			894 DC CL48'MXDBR NF -inf/+2.0 Tr'
00007470	FFFF0000 00000000			895 DC XL16'FFFF0000000000000000000000000000'
00007480	D4E7C4C2 40D5C640			896 DC CL48'MXDB NF -inf/+2.0 NT'
000074B0	FFFF0000 00000000			897 DC XL16'FFFF0000000000000000000000000000'
000074C0	D4E7C4C2 40D5C640			898 DC CL48'MXDB NF -inf/+2.0 Tr'
000074F0	FFFF0000 00000000			899 DC XL16'FFFF0000000000000000000000000000'
00007500	D4E7C4C2 D940D5C6			900 DC CL48'MXDBR NF -inf/+inf NT'
00007530	FFFF0000 00000000			901 DC XL16'FFFF0000000000000000000000000000'
00007540	D4E7C4C2 D940D5C6			902 DC CL48'MXDBR NF -inf/+inf Tr'
00007570	FFFF0000 00000000			903 DC XL16'FFFF0000000000000000000000000000'
00007580	D4E7C4C2 40D5C640			904 DC CL48'MXDB NF -inf/+inf NT'
000075B0	FFFF0000 00000000			905 DC XL16'FFFF0000000000000000000000000000'
000075C0	D4E7C4C2 40D5C640			906 DC CL48'MXDB NF -inf/+inf Tr'
000075F0	FFFF0000 00000000			907 DC XL16'FFFF0000000000000000000000000000'
00007600	D4E7C4C2 D940D5C6			908 DC CL48'MXDBR NF -inf/-QNaN NT'



LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00007D30	FFFF0000 00000000			965 DC XL16'FFFF0000000000000000000000000000'
00007D40	D4E7C4C2 D940D5C6			966 DC CL48'MXDBR NF -2.0/+inf Tr'
00007D70	FFFF0000 00000000			967 DC XL16'FFFF0000000000000000000000000000'
00007D80	D4E7C4C2 40D5C640			968 DC CL48'MXDB NF -2.0/+inf NT'
00007DB0	FFFF0000 00000000			969 DC XL16'FFFF0000000000000000000000000000'
00007DC0	D4E7C4C2 40D5C640			970 DC CL48'MXDB NF -2.0/+inf Tr'
00007DF0	FFFF0000 00000000			971 DC XL16'FFFF0000000000000000000000000000'
00007E00	D4E7C4C2 D940D5C6			972 DC CL48'MXDBR NF -2.0/-QNaN NT'
00007E30	FFFF8B00 00000000			973 DC XL16'FFFF8B00000000000000000000000000'
00007E40	D4E7C4C2 D940D5C6			974 DC CL48'MXDBR NF -2.0/-QNaN Tr'
00007E70	FFFF8B00 00000000			975 DC XL16'FFFF8B00000000000000000000000000'
00007E80	D4E7C4C2 40D5C640			976 DC CL48'MXDB NF -2.0/-QNaN NT'
00007EB0	FFFF8B00 00000000			977 DC XL16'FFFF8B00000000000000000000000000'
00007EC0	D4E7C4C2 40D5C640			978 DC CL48'MXDB NF -2.0/-QNaN Tr'
00007EF0	FFFF8B00 00000000			979 DC XL16'FFFF8B00000000000000000000000000'
00007F00	D4E7C4C2 D940D5C6			980 DC CL48'MXDBR NF -2.0/+SNaN NT'
00007F30	7FFF8A00 00000000			981 DC XL16'7FFF8A00000000000000000000000000'
00007F40	D4E7C4C2 D940D5C6			982 DC CL48'MXDBR NF -2.0/+SNaN Tr'
00007F70	C0000000 00000000			983 DC XL16'C0000000000000000000000000000000'
00007F80	D4E7C4C2 40D5C640			984 DC CL48'MXDB NF -2.0/+SNaN NT'
00007FB0	7FFF8A00 00000000			985 DC XL16'7FFF8A00000000000000000000000000'
00007FC0	D4E7C4C2 40D5C640			986 DC CL48'MXDB NF -2.0/+SNaN Tr'
00007FF0	C0000000 00000000			987 DC XL16'C0000000000000000000000000000000'
00008000	D4E7C4C2 D940D5C6			988 DC CL48'MXDBR NF -0/-inf NT'
00008030	7FFF8000 00000000			989 DC XL16'7FFF8000000000000000000000000000'
00008040	D4E7C4C2 D940D5C6			990 DC CL48'MXDBR NF -0/-inf Tr'
00008070	80000000 00000000			991 DC XL16'80000000000000000000000000000000'
00008080	D4E7C4C2 40D5C640			992 DC CL48'MXDB NF -0/-inf NT'
000080B0	7FFF8000 00000000			993 DC XL16'7FFF8000000000000000000000000000'
000080C0	D4E7C4C2 40D5C640			994 DC CL48'MXDB NF -0/-inf Tr'
000080F0	80000000 00000000			995 DC XL16'80000000000000000000000000000000'
00008100	D4E7C4C2 D940D5C6			996 DC CL48'MXDBR NF -0/-2.0 NT'
00008130	00000000 00000000			997 DC XL16'00000000000000000000000000000000'
00008140	D4E7C4C2 D940D5C6			998 DC CL48'MXDBR NF -0/-2.0 Tr'
00008170	00000000 00000000			999 DC XL16'00000000000000000000000000000000'
00008180	D4E7C4C2 40D5C640			1000 DC CL48'MXDB NF -0/-2.0 NT'
000081B0	00000000 00000000			1001 DC XL16'00000000000000000000000000000000'
000081C0	D4E7C4C2 40D5C640			1002 DC CL48'MXDB NF -0/-2.0 Tr'
000081F0	00000000 00000000			1003 DC XL16'00000000000000000000000000000000'
00008200	D4E7C4C2 D940D5C6			1004 DC CL48'MXDBR NF -0/-0 NT'
00008230	00000000 00000000			1005 DC XL16'00000000000000000000000000000000'
00008240	D4E7C4C2 D940D5C6			1006 DC CL48'MXDBR NF -0/-0 Tr'
00008270	00000000 00000000			1007 DC XL16'00000000000000000000000000000000'
00008280	D4E7C4C2 40D5C640			1008 DC CL48'MXDB NF -0/-0 NT'
000082B0	00000000 00000000			1009 DC XL16'00000000000000000000000000000000'
000082C0	D4E7C4C2 40D5C640			1010 DC CL48'MXDB NF -0/-0 Tr'
000082F0	00000000 00000000			1011 DC XL16'00000000000000000000000000000000'
00008300	D4E7C4C2 D940D5C6			1012 DC CL48'MXDBR NF -0/+0 NT'
00008330	80000000 00000000			1013 DC XL16'80000000000000000000000000000000'
00008340	D4E7C4C2 D940D5C6			1014 DC CL48'MXDBR NF -0/+0 Tr'
00008370	80000000 00000000			1015 DC XL16'80000000000000000000000000000000'
00008380	D4E7C4C2 40D5C640			1016 DC CL48'MXDB NF -0/+0 NT'
000083B0	80000000 00000000			1017 DC XL16'80000000000000000000000000000000'
000083C0	D4E7C4C2 40D5C640			1018 DC CL48'MXDB NF -0/+0 Tr'
000083F0	80000000 00000000			1019 DC XL16'80000000000000000000000000000000'
00008400	D4E7C4C2 D940D5C6			1020 DC CL48'MXDBR NF -0/+2.0 NT'

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00008430	80000000 00000000			1021 DC XL16'80000000000000000000000000000000'
00008440	D4E7C4C2 D940D5C6			1022 DC CL48'MXDBR NF -0/+2.0 Tr'
00008470	80000000 00000000			1023 DC XL16'80000000000000000000000000000000'
00008480	D4E7C4C2 40D5C640			1024 DC CL48'MXDB NF -0/+2.0 NT'
000084B0	80000000 00000000			1025 DC XL16'80000000000000000000000000000000'
000084C0	D4E7C4C2 40D5C640			1026 DC CL48'MXDB NF -0/+2.0 Tr'
000084F0	80000000 00000000			1027 DC XL16'80000000000000000000000000000000'
00008500	D4E7C4C2 D940D5C6			1028 DC CL48'MXDBR NF -0/+inf NT'
00008530	7FFF8000 00000000			1029 DC XL16'7FFF8000000000000000000000000000'
00008540	D4E7C4C2 D940D5C6			1030 DC CL48'MXDBR NF -0/+inf Tr'
00008570	80000000 00000000			1031 DC XL16'80000000000000000000000000000000'
00008580	D4E7C4C2 40D5C640			1032 DC CL48'MXDB NF -0/+inf NT'
000085B0	7FFF8000 00000000			1033 DC XL16'7FFF8000000000000000000000000000'
000085C0	D4E7C4C2 40D5C640			1034 DC CL48'MXDB NF -0/+inf Tr'
000085F0	80000000 00000000			1035 DC XL16'80000000000000000000000000000000'
00008600	D4E7C4C2 D940D5C6			1036 DC CL48'MXDBR NF -0/-QNaN NT'
00008630	FFFF8B00 00000000			1037 DC XL16'FFFF8B00000000000000000000000000'
00008640	D4E7C4C2 D940D5C6			1038 DC CL48'MXDBR NF -0/-QNaN Tr'
00008670	FFFF8B00 00000000			1039 DC XL16'FFFF8B00000000000000000000000000'
00008680	D4E7C4C2 40D5C640			1040 DC CL48'MXDB NF -0/-QNaN NT'
000086B0	FFFF8B00 00000000			1041 DC XL16'FFFF8B00000000000000000000000000'
000086C0	D4E7C4C2 40D5C640			1042 DC CL48'MXDB NF -0/-QNaN Tr'
000086F0	FFFF8B00 00000000			1043 DC XL16'FFFF8B00000000000000000000000000'
00008700	D4E7C4C2 D940D5C6			1044 DC CL48'MXDBR NF -0/+SNaN NT'
00008730	7FFF8A00 00000000			1045 DC XL16'7FFF8A00000000000000000000000000'
00008740	D4E7C4C2 D940D5C6			1046 DC CL48'MXDBR NF -0/+SNaN Tr'
00008770	80000000 00000000			1047 DC XL16'80000000000000000000000000000000'
00008780	D4E7C4C2 40D5C640			1048 DC CL48'MXDB NF -0/+SNaN NT'
000087B0	7FFF8A00 00000000			1049 DC XL16'7FFF8A00000000000000000000000000'
000087C0	D4E7C4C2 40D5C640			1050 DC CL48'MXDB NF -0/+SNaN Tr'
000087F0	80000000 00000000			1051 DC XL16'80000000000000000000000000000000'
00008800	D4E7C4C2 D940D5C6			1052 DC CL48'MXDBR NF +0/-inf NT'
00008830	7FFF8000 00000000			1053 DC XL16'7FFF8000000000000000000000000000'
00008840	D4E7C4C2 D940D5C6			1054 DC CL48'MXDBR NF +0/-inf Tr'
00008870	00000000 00000000			1055 DC XL16'00000000000000000000000000000000'
00008880	D4E7C4C2 40D5C640			1056 DC CL48'MXDB NF +0/-inf NT'
000088B0	7FFF8000 00000000			1057 DC XL16'7FFF8000000000000000000000000000'
000088C0	D4E7C4C2 40D5C640			1058 DC CL48'MXDB NF +0/-inf Tr'
000088F0	00000000 00000000			1059 DC XL16'00000000000000000000000000000000'
00008900	D4E7C4C2 D940D5C6			1060 DC CL48'MXDBR NF +0/-2.0 NT'
00008930	80000000 00000000			1061 DC XL16'80000000000000000000000000000000'
00008940	D4E7C4C2 D940D5C6			1062 DC CL48'MXDBR NF +0/-2.0 Tr'
00008970	80000000 00000000			1063 DC XL16'80000000000000000000000000000000'
00008980	D4E7C4C2 40D5C640			1064 DC CL48'MXDB NF +0/-2.0 NT'
000089B0	80000000 00000000			1065 DC XL16'80000000000000000000000000000000'
000089C0	D4E7C4C2 40D5C640			1066 DC CL48'MXDB NF +0/-2.0 Tr'
000089F0	80000000 00000000			1067 DC XL16'80000000000000000000000000000000'
00008A00	D4E7C4C2 D940D5C6			1068 DC CL48'MXDBR NF +0/-0 NT'
00008A30	80000000 00000000			1069 DC XL16'80000000000000000000000000000000'
00008A40	D4E7C4C2 D940D5C6			1070 DC CL48'MXDBR NF +0/-0 Tr'
00008A70	80000000 00000000			1071 DC XL16'80000000000000000000000000000000'
00008A80	D4E7C4C2 40D5C640			1072 DC CL48'MXDB NF +0/-0 NT'
00008AB0	80000000 00000000			1073 DC XL16'80000000000000000000000000000000'
00008AC0	D4E7C4C2 40D5C640			1074 DC CL48'MXDB NF +0/-0 Tr'
00008AF0	80000000 00000000			1075 DC XL16'80000000000000000000000000000000'
00008B00	D4E7C4C2 D940D5C6			1076 DC CL48'MXDBR NF +0/+0 NT'

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	
00008B30	00000000 00000000			1077	DC XL16'00000000000000000000000000000000'
00008B40	D4E7C4C2 D940D5C6			1078	DC CL48'MXDBR NF +0/+0 Tr'
00008B70	00000000 00000000			1079	DC XL16'00000000000000000000000000000000'
00008B80	D4E7C4C2 40D5C640			1080	DC CL48'MXDB NF +0/+0 NT'
00008BB0	00000000 00000000			1081	DC XL16'00000000000000000000000000000000'
00008BC0	D4E7C4C2 40D5C640			1082	DC CL48'MXDB NF +0/+0 Tr'
00008BF0	00000000 00000000			1083	DC XL16'00000000000000000000000000000000'
00008C00	D4E7C4C2 D940D5C6			1084	DC CL48'MXDBR NF +0/+2.0 NT'
00008C30	00000000 00000000			1085	DC XL16'00000000000000000000000000000000'
00008C40	D4E7C4C2 D940D5C6			1086	DC CL48'MXDBR NF +0/+2.0 Tr'
00008C70	00000000 00000000			1087	DC XL16'00000000000000000000000000000000'
00008C80	D4E7C4C2 40D5C640			1088	DC CL48'MXDB NF +0/+2.0 NT'
00008CB0	00000000 00000000			1089	DC XL16'00000000000000000000000000000000'
00008CC0	D4E7C4C2 40D5C640			1090	DC CL48'MXDB NF +0/+2.0 Tr'
00008CF0	00000000 00000000			1091	DC XL16'00000000000000000000000000000000'
00008D00	D4E7C4C2 D940D5C6			1092	DC CL48'MXDBR NF +0/+inf NT'
00008D30	7FFF8000 00000000			1093	DC XL16'7FFF8000000000000000000000000000'
00008D40	D4E7C4C2 D940D5C6			1094	DC CL48'MXDBR NF +0/+inf Tr'
00008D70	00000000 00000000			1095	DC XL16'00000000000000000000000000000000'
00008D80	D4E7C4C2 40D5C640			1096	DC CL48'MXDB NF +0/+inf NT'
00008DB0	7FFF8000 00000000			1097	DC XL16'7FFF8000000000000000000000000000'
00008DC0	D4E7C4C2 40D5C640			1098	DC CL48'MXDB NF +0/+inf Tr'
00008DF0	00000000 00000000			1099	DC XL16'00000000000000000000000000000000'
00008E00	D4E7C4C2 D940D5C6			1100	DC CL48'MXDBR NF +0/-QNaN NT'
00008E30	FFFF8B00 00000000			1101	DC XL16'FFFF8B00000000000000000000000000'
00008E40	D4E7C4C2 D940D5C6			1102	DC CL48'MXDBR NF +0/-QNaN Tr'
00008E70	FFFF8B00 00000000			1103	DC XL16'FFFF8B00000000000000000000000000'
00008E80	D4E7C4C2 40D5C640			1104	DC CL48'MXDB NF +0/-QNaN NT'
00008EB0	FFFF8B00 00000000			1105	DC XL16'FFFF8B00000000000000000000000000'
00008EC0	D4E7C4C2 40D5C640			1106	DC CL48'MXDB NF +0/-QNaN Tr'
00008EF0	FFFF8B00 00000000			1107	DC XL16'FFFF8B00000000000000000000000000'
00008F00	D4E7C4C2 D940D5C6			1108	DC CL48'MXDBR NF +0/+SNaN NT'
00008F30	7FFF8A00 00000000			1109	DC XL16'7FFF8A00000000000000000000000000'
00008F40	D4E7C4C2 D940D5C6			1110	DC CL48'MXDBR NF +0/+SNaN Tr'
00008F70	00000000 00000000			1111	DC XL16'00000000000000000000000000000000'
00008F80	D4E7C4C2 40D5C640			1112	DC CL48'MXDB NF +0/+SNaN NT'
00008FB0	7FFF8A00 00000000			1113	DC XL16'7FFF8A00000000000000000000000000'
00008FC0	D4E7C4C2 40D5C640			1114	DC CL48'MXDB NF +0/+SNaN Tr'
00008FF0	00000000 00000000			1115	DC XL16'00000000000000000000000000000000'
00009000	D4E7C4C2 D940D5C6			1116	DC CL48'MXDBR NF +2.0/-inf NT'
00009030	FFFF0000 00000000			1117	DC XL16'FFFF0000000000000000000000000000'
00009040	D4E7C4C2 D940D5C6			1118	DC CL48'MXDBR NF +2.0/-inf Tr'
00009070	FFFF0000 00000000			1119	DC XL16'FFFF0000000000000000000000000000'
00009080	D4E7C4C2 40D5C640			1120	DC CL48'MXDB NF +2.0/-inf NT'
000090B0	FFFF0000 00000000			1121	DC XL16'FFFF0000000000000000000000000000'
000090C0	D4E7C4C2 40D5C640			1122	DC CL48'MXDB NF +2.0/-inf Tr'
000090F0	FFFF0000 00000000			1123	DC XL16'FFFF0000000000000000000000000000'
00009100	D4E7C4C2 D940D5C6			1124	DC CL48'MXDBR NF +2.0/-2.0 NT'
00009130	C0010000 00000000			1125	DC XL16'C0010000000000000000000000000000'
00009140	D4E7C4C2 D940D5C6			1126	DC CL48'MXDBR NF +2.0/-2.0 Tr'
00009170	C0010000 00000000			1127	DC XL16'C0010000000000000000000000000000'
00009180	D4E7C4C2 40D5C640			1128	DC CL48'MXDB NF +2.0/-2.0 NT'
000091B0	C0010000 00000000			1129	DC XL16'C0010000000000000000000000000000'
000091C0	D4E7C4C2 40D5C640			1130	DC CL48'MXDB NF +2.0/-2.0 Tr'
000091F0	C0010000 00000000			1131	DC XL16'C0010000000000000000000000000000'
00009200	D4E7C4C2 D940D5C6			1132	DC CL48'MXDBR NF +2.0/-0 NT'

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00009230	80000000 00000000			1133 DC XL16'80000000000000000000000000000000'
00009240	D4E7C4C2 D940D5C6			1134 DC CL48'MXDBR NF +2.0/-0 Tr'
00009270	80000000 00000000			1135 DC XL16'80000000000000000000000000000000'
00009280	D4E7C4C2 40D5C640			1136 DC CL48'MXDB NF +2.0/-0 NT'
000092B0	80000000 00000000			1137 DC XL16'80000000000000000000000000000000'
000092C0	D4E7C4C2 40D5C640			1138 DC CL48'MXDB NF +2.0/-0 Tr'
000092F0	80000000 00000000			1139 DC XL16'80000000000000000000000000000000'
00009300	D4E7C4C2 D940D5C6			1140 DC CL48'MXDBR NF +2.0/+0 NT'
00009330	00000000 00000000			1141 DC XL16'00000000000000000000000000000000'
00009340	D4E7C4C2 D940D5C6			1142 DC CL48'MXDBR NF +2.0/+0 Tr'
00009370	00000000 00000000			1143 DC XL16'00000000000000000000000000000000'
00009380	D4E7C4C2 40D5C640			1144 DC CL48'MXDB NF +2.0/+0 NT'
000093B0	00000000 00000000			1145 DC XL16'00000000000000000000000000000000'
000093C0	D4E7C4C2 40D5C640			1146 DC CL48'MXDB NF +2.0/+0 Tr'
000093F0	00000000 00000000			1147 DC XL16'00000000000000000000000000000000'
00009400	D4E7C4C2 D940D5C6			1148 DC CL48'MXDBR NF +2.0/+2.0 NT'
00009430	40010000 00000000			1149 DC XL16'40010000000000000000000000000000'
00009440	D4E7C4C2 D940D5C6			1150 DC CL48'MXDBR NF +2.0/+2.0 Tr'
00009470	40010000 00000000			1151 DC XL16'40010000000000000000000000000000'
00009480	D4E7C4C2 40D5C640			1152 DC CL48'MXDB NF +2.0/+2.0 NT'
000094B0	40010000 00000000			1153 DC XL16'40010000000000000000000000000000'
000094C0	D4E7C4C2 40D5C640			1154 DC CL48'MXDB NF +2.0/+2.0 Tr'
000094F0	40010000 00000000			1155 DC XL16'40010000000000000000000000000000'
00009500	D4E7C4C2 D940D5C6			1156 DC CL48'MXDBR NF +2.0/+inf NT'
00009530	7FFF0000 00000000			1157 DC XL16'7FFF0000000000000000000000000000'
00009540	D4E7C4C2 D940D5C6			1158 DC CL48'MXDBR NF +2.0/+inf Tr'
00009570	7FFF0000 00000000			1159 DC XL16'7FFF0000000000000000000000000000'
00009580	D4E7C4C2 40D5C640			1160 DC CL48'MXDB NF +2.0/+inf NT'
000095B0	7FFF0000 00000000			1161 DC XL16'7FFF0000000000000000000000000000'
000095C0	D4E7C4C2 40D5C640			1162 DC CL48'MXDB NF +2.0/+inf Tr'
000095F0	7FFF0000 00000000			1163 DC XL16'7FFF0000000000000000000000000000'
00009600	D4E7C4C2 D940D5C6			1164 DC CL48'MXDBR NF +2.0/-QNaN NT'
00009630	FFFF8B00 00000000			1165 DC XL16'FFFF8B00000000000000000000000000'
00009640	D4E7C4C2 D940D5C6			1166 DC CL48'MXDBR NF +2.0/-QNaN Tr'
00009670	FFFF8B00 00000000			1167 DC XL16'FFFF8B00000000000000000000000000'
00009680	D4E7C4C2 40D5C640			1168 DC CL48'MXDB NF +2.0/-QNaN NT'
000096B0	FFFF8B00 00000000			1169 DC XL16'FFFF8B00000000000000000000000000'
000096C0	D4E7C4C2 40D5C640			1170 DC CL48'MXDB NF +2.0/-QNaN Tr'
000096F0	FFFF8B00 00000000			1171 DC XL16'FFFF8B00000000000000000000000000'
00009700	D4E7C4C2 D940D5C6			1172 DC CL48'MXDBR NF +2.0/+SNaN NT'
00009730	7FFF8A00 00000000			1173 DC XL16'7FFF8A00000000000000000000000000'
00009740	D4E7C4C2 D940D5C6			1174 DC CL48'MXDBR NF +2.0/+SNaN Tr'
00009770	40000000 00000000			1175 DC XL16'40000000000000000000000000000000'
00009780	D4E7C4C2 40D5C640			1176 DC CL48'MXDB NF +2.0/+SNaN NT'
000097B0	7FFF8A00 00000000			1177 DC XL16'7FFF8A00000000000000000000000000'
000097C0	D4E7C4C2 40D5C640			1178 DC CL48'MXDB NF +2.0/+SNaN Tr'
000097F0	40000000 00000000			1179 DC XL16'40000000000000000000000000000000'
00009800	D4E7C4C2 D940D5C6			1180 DC CL48'MXDBR NF +inf/-inf NT'
00009830	FFFF0000 00000000			1181 DC XL16'FFFF0000000000000000000000000000'
00009840	D4E7C4C2 D940D5C6			1182 DC CL48'MXDBR NF +inf/-inf Tr'
00009870	FFFF0000 00000000			1183 DC XL16'FFFF0000000000000000000000000000'
00009880	D4E7C4C2 40D5C640			1184 DC CL48'MXDB NF +inf/-inf NT'
000098B0	FFFF0000 00000000			1185 DC XL16'FFFF0000000000000000000000000000'
000098C0	D4E7C4C2 40D5C640			1186 DC CL48'MXDB NF +inf/-inf Tr'
000098F0	FFFF0000 00000000			1187 DC XL16'FFFF0000000000000000000000000000'
00009900	D4E7C4C2 D940D5C6			1188 DC CL48'MXDBR NF +inf/-2.0 NT'

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	
00009930	FFFF0000 00000000			1189	DC XL16'FFFF0000000000000000000000000000'
00009940	D4E7C4C2 D940D5C6			1190	DC CL48'MXDBR NF +inf/-2.0 Tr'
00009970	FFFF0000 00000000			1191	DC XL16'FFFF0000000000000000000000000000'
00009980	D4E7C4C2 40D5C640			1192	DC CL48'MXDB NF +inf/-2.0 NT'
000099B0	FFFF0000 00000000			1193	DC XL16'FFFF0000000000000000000000000000'
000099C0	D4E7C4C2 40D5C640			1194	DC CL48'MXDB NF +inf/-2.0 Tr'
000099F0	FFFF0000 00000000			1195	DC XL16'FFFF0000000000000000000000000000'
00009A00	D4E7C4C2 D940D5C6			1196	DC CL48'MXDBR NF +inf/-0 NT'
00009A30	7FFF8000 00000000			1197	DC XL16'7FFF8000000000000000000000000000'
00009A40	D4E7C4C2 D940D5C6			1198	DC CL48'MXDBR NF +inf/-0 Tr'
00009A70	7FF00000 00000000			1199	DC XL16'7FF00000000000000000000000000000'
00009A80	D4E7C4C2 40D5C640			1200	DC CL48'MXDB NF +inf/-0 NT'
00009AB0	7FFF8000 00000000			1201	DC XL16'7FFF8000000000000000000000000000'
00009AC0	D4E7C4C2 40D5C640			1202	DC CL48'MXDB NF +inf/-0 Tr'
00009AF0	7FF00000 00000000			1203	DC XL16'7FF00000000000000000000000000000'
00009B00	D4E7C4C2 D940D5C6			1204	DC CL48'MXDBR NF +inf/+0 NT'
00009B30	7FFF8000 00000000			1205	DC XL16'7FFF8000000000000000000000000000'
00009B40	D4E7C4C2 D940D5C6			1206	DC CL48'MXDBR NF +inf/+0 Tr'
00009B70	7FF00000 00000000			1207	DC XL16'7FF00000000000000000000000000000'
00009B80	D4E7C4C2 40D5C640			1208	DC CL48'MXDB NF +inf/+0 NT'
00009BB0	7FFF8000 00000000			1209	DC XL16'7FFF8000000000000000000000000000'
00009BC0	D4E7C4C2 40D5C640			1210	DC CL48'MXDB NF +inf/+0 Tr'
00009BF0	7FF00000 00000000			1211	DC XL16'7FF00000000000000000000000000000'
00009C00	D4E7C4C2 D940D5C6			1212	DC CL48'MXDBR NF +inf/+2.0 NT'
00009C30	7FFF0000 00000000			1213	DC XL16'7FFF0000000000000000000000000000'
00009C40	D4E7C4C2 D940D5C6			1214	DC CL48'MXDBR NF +inf/+2.0 Tr'
00009C70	7FFF0000 00000000			1215	DC XL16'7FFF0000000000000000000000000000'
00009C80	D4E7C4C2 40D5C640			1216	DC CL48'MXDB NF +inf/+2.0 NT'
00009CB0	7FFF0000 00000000			1217	DC XL16'7FFF0000000000000000000000000000'
00009CC0	D4E7C4C2 40D5C640			1218	DC CL48'MXDB NF +inf/+2.0 Tr'
00009CF0	7FFF0000 00000000			1219	DC XL16'7FFF0000000000000000000000000000'
00009D00	D4E7C4C2 D940D5C6			1220	DC CL48'MXDBR NF +inf/+inf NT'
00009D30	7FFF0000 00000000			1221	DC XL16'7FFF0000000000000000000000000000'
00009D40	D4E7C4C2 D940D5C6			1222	DC CL48'MXDBR NF +inf/+inf Tr'
00009D70	7FFF0000 00000000			1223	DC XL16'7FFF0000000000000000000000000000'
00009D80	D4E7C4C2 40D5C640			1224	DC CL48'MXDB NF +inf/+inf NT'
00009DB0	7FFF0000 00000000			1225	DC XL16'7FFF0000000000000000000000000000'
00009DC0	D4E7C4C2 40D5C640			1226	DC CL48'MXDB NF +inf/+inf Tr'
00009DF0	7FFF0000 00000000			1227	DC XL16'7FFF0000000000000000000000000000'
00009E00	D4E7C4C2 D940D5C6			1228	DC CL48'MXDBR NF +inf/-QNaN NT'
00009E30	FFFF8B00 00000000			1229	DC XL16'FFFF8B00000000000000000000000000'
00009E40	D4E7C4C2 D940D5C6			1230	DC CL48'MXDBR NF +inf/-QNaN Tr'
00009E70	FFFF8B00 00000000			1231	DC XL16'FFFF8B00000000000000000000000000'
00009E80	D4E7C4C2 40D5C640			1232	DC CL48'MXDB NF +inf/-QNaN NT'
00009EB0	FFFF8B00 00000000			1233	DC XL16'FFFF8B00000000000000000000000000'
00009EC0	D4E7C4C2 40D5C640			1234	DC CL48'MXDB NF +inf/-QNaN Tr'
00009EF0	FFFF8B00 00000000			1235	DC XL16'FFFF8B00000000000000000000000000'
00009F00	D4E7C4C2 D940D5C6			1236	DC CL48'MXDBR NF +inf/+SNaN NT'
00009F30	7FFF8A00 00000000			1237	DC XL16'7FFF8A00000000000000000000000000'
00009F40	D4E7C4C2 D940D5C6			1238	DC CL48'MXDBR NF +inf/+SNaN Tr'
00009F70	7FF00000 00000000			1239	DC XL16'7FF00000000000000000000000000000'
00009F80	D4E7C4C2 40D5C640			1240	DC CL48'MXDB NF +inf/+SNaN NT'
00009FB0	7FFF8A00 00000000			1241	DC XL16'7FFF8A00000000000000000000000000'
00009FC0	D4E7C4C2 40D5C640			1242	DC CL48'MXDB NF +inf/+SNaN Tr'
00009FF0	7FF00000 00000000			1243	DC XL16'7FF00000000000000000000000000000'
0000A000	D4E7C4C2 D940D5C6			1244	DC CL48'MXDBR NF -QNaN/-inf NT'

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT
0000A030	FFFF8B00	00000000			1245 DC XL16'FFFF8B000000000000000000000000'
0000A040	D4E7C4C2	D940D5C6			1246 DC CL48'MXDBR NF -QNaN/-inf Tr'
0000A070	FFFF8B00	00000000			1247 DC XL16'FFFF8B000000000000000000000000'
0000A080	D4E7C4C2	40D5C640			1248 DC CL48'MXDB NF -QNaN/-inf NT'
0000A0B0	FFFF8B00	00000000			1249 DC XL16'FFFF8B000000000000000000000000'
0000A0C0	D4E7C4C2	40D5C640			1250 DC CL48'MXDB NF -QNaN/-inf Tr'
0000A0F0	FFFF8B00	00000000			1251 DC XL16'FFFF8B000000000000000000000000'
0000A100	D4E7C4C2	D940D5C6			1252 DC CL48'MXDBR NF -QNaN/-2.0 NT'
0000A130	FFFF8B00	00000000			1253 DC XL16'FFFF8B000000000000000000000000'
0000A140	D4E7C4C2	D940D5C6			1254 DC CL48'MXDBR NF -QNaN/-2.0 Tr'
0000A170	FFFF8B00	00000000			1255 DC XL16'FFFF8B000000000000000000000000'
0000A180	D4E7C4C2	40D5C640			1256 DC CL48'MXDB NF -QNaN/-2.0 NT'
0000A1B0	FFFF8B00	00000000			1257 DC XL16'FFFF8B000000000000000000000000'
0000A1C0	D4E7C4C2	40D5C640			1258 DC CL48'MXDB NF -QNaN/-2.0 Tr'
0000A1F0	FFFF8B00	00000000			1259 DC XL16'FFFF8B000000000000000000000000'
0000A200	D4E7C4C2	D940D5C6			1260 DC CL48'MXDBR NF -QNaN/-0 NT'
0000A230	FFFF8B00	00000000			1261 DC XL16'FFFF8B000000000000000000000000'
0000A240	D4E7C4C2	D940D5C6			1262 DC CL48'MXDBR NF -QNaN/-0 Tr'
0000A270	FFFF8B00	00000000			1263 DC XL16'FFFF8B000000000000000000000000'
0000A280	D4E7C4C2	40D5C640			1264 DC CL48'MXDB NF -QNaN/-0 NT'
0000A2B0	FFFF8B00	00000000			1265 DC XL16'FFFF8B000000000000000000000000'
0000A2C0	D4E7C4C2	40D5C640			1266 DC CL48'MXDB NF -QNaN/-0 Tr'
0000A2F0	FFFF8B00	00000000			1267 DC XL16'FFFF8B000000000000000000000000'
0000A300	D4E7C4C2	D940D5C6			1268 DC CL48'MXDBR NF -QNaN/+0 NT'
0000A330	FFFF8B00	00000000			1269 DC XL16'FFFF8B000000000000000000000000'
0000A340	D4E7C4C2	D940D5C6			1270 DC CL48'MXDBR NF -QNaN/+0 Tr'
0000A370	FFFF8B00	00000000			1271 DC XL16'FFFF8B000000000000000000000000'
0000A380	D4E7C4C2	40D5C640			1272 DC CL48'MXDB NF -QNaN/+0 NT'
0000A3B0	FFFF8B00	00000000			1273 DC XL16'FFFF8B000000000000000000000000'
0000A3C0	D4E7C4C2	40D5C640			1274 DC CL48'MXDB NF -QNaN/+0 Tr'
0000A3F0	FFFF8B00	00000000			1275 DC XL16'FFFF8B000000000000000000000000'
0000A400	D4E7C4C2	D940D5C6			1276 DC CL48'MXDBR NF -QNaN/+2.0 NT'
0000A430	FFFF8B00	00000000			1277 DC XL16'FFFF8B000000000000000000000000'
0000A440	D4E7C4C2	D940D5C6			1278 DC CL48'MXDBR NF -QNaN/+2.0 Tr'
0000A470	FFFF8B00	00000000			1279 DC XL16'FFFF8B000000000000000000000000'
0000A480	D4E7C4C2	40D5C640			1280 DC CL48'MXDB NF -QNaN/+2.0 NT'
0000A4B0	FFFF8B00	00000000			1281 DC XL16'FFFF8B000000000000000000000000'
0000A4C0	D4E7C4C2	40D5C640			1282 DC CL48'MXDB NF -QNaN/+2.0 Tr'
0000A4F0	FFFF8B00	00000000			1283 DC XL16'FFFF8B000000000000000000000000'
0000A500	D4E7C4C2	D940D5C6			1284 DC CL48'MXDBR NF -QNaN/+inf NT'
0000A530	FFFF8B00	00000000			1285 DC XL16'FFFF8B000000000000000000000000'
0000A540	D4E7C4C2	D940D5C6			1286 DC CL48'MXDBR NF -QNaN/+inf Tr'
0000A570	FFFF8B00	00000000			1287 DC XL16'FFFF8B000000000000000000000000'
0000A580	D4E7C4C2	40D5C640			1288 DC CL48'MXDB NF -QNaN/+inf NT'
0000A5B0	FFFF8B00	00000000			1289 DC XL16'FFFF8B000000000000000000000000'
0000A5C0	D4E7C4C2	40D5C640			1290 DC CL48'MXDB NF -QNaN/+inf Tr'
0000A5F0	FFFF8B00	00000000			1291 DC XL16'FFFF8B000000000000000000000000'
0000A600	D4E7C4C2	D940D5C6			1292 DC CL48'MXDBR NF -QNaN/-QNaN NT'
0000A630	FFFF8B00	00000000			1293 DC XL16'FFFF8B000000000000000000000000'
0000A640	D4E7C4C2	D940D5C6			1294 DC CL48



LOC	OBJECT	CODE	ADDR1	ADDR2	STMT
0000AE30	7FFF8A00	00000000			1357 DC XL16'7FFF8A000000000000000000000000'
0000AE40	D4E7C4C2	D940D5C6			1358 DC CL48'MXDBR NF +SNaN/-QNaN Tr'
0000AE70	7FF0A000	00000000			1359 DC XL16'7FF0A0000000000000000000000000'
0000AE80	D4E7C4C2	40D5C640			1360 DC CL48'MXDB NF +SNaN/-QNaN NT'
0000AEB0	7FFF8A00	00000000			1361 DC XL16'7FFF8A000000000000000000000000'
0000AEC0	D4E7C4C2	40D5C640			1362 DC CL48'MXDB NF +SNaN/-QNaN Tr'
0000AEF0	7FF0A000	00000000			1363 DC XL16'7FF0A0000000000000000000000000'
0000AF00	D4E7C4C2	D940D5C6			1364 DC CL48'MXDBR NF +SNaN/+SNaN NT'
0000AF30	7FFF8A00	00000000			1365 DC XL16'7FFF8A000000000000000000000000'
0000AF40	D4E7C4C2	D940D5C6			1366 DC CL48'MXDBR NF +SNaN/+SNaN Tr'
0000AF70	7FF0A000	00000000			1367 DC XL16'7FF0A0000000000000000000000000'
0000AF80	D4E7C4C2	40D5C640			1368 DC CL48'MXDB NF +SNaN/+SNaN NT'
0000AFB0	7FFF8A00	00000000			1369 DC XL16'7FFF8A000000000000000000000000'
0000AFC0	D4E7C4C2	40D5C640			1370 DC CL48'MXDB NF +SNaN/+SNaN Tr'
0000AFF0	7FF0A000	00000000			1371 DC XL16'7FF0A0000000000000000000000000'
			00000100	00000001	1372 XBFPNFOT_NUM EQU (*-XBFPNFOT_GOOD)/64
					1373 *
					1374 *
			0000B000	00000001	1375 XBFPNFFL_GOOD EQU *
0000B000	D4E7C2D9	40D5C640			1376 DC CL48'MXBR NF -inf/-inf FPCR'
0000B030	00000000	F8000000			1377 DC XL16'00000000F800000000000000F8000000'
0000B040	D4E7C2D9	40D5C640			1378 DC CL48'MXBR NF -inf/-2.0 FPCR'
0000B070	00000000	F8000000			1379 DC XL16'00000000F800000000000000F8000000'
0000B080	D4E7C2D9	40D5C640			1380 DC CL48'MXBR NF -inf/-0 FPCR'
0000B0B0	00800000	F8008000			1381 DC XL16'00800000F800800000800000F8008000'
0000B0C0	D4E7C2D9	40D5C640			1382 DC CL48'MXBR NF -inf/+0 FPCR'
0000B0F0	00800000	F8008000			1383 DC XL16'00800000F800800000800000F8008000'
0000B100	D4E7C2D9	40D5C640			1384 DC CL48'MXBR NF -inf/+2.0 FPCR'
0000B130	00000000	F8000000			1385 DC XL16'00000000F800000000000000F8000000'
0000B140	D4E7C2D9	40D5C640			1386 DC CL48'MXBR NF -inf/+inf FPCR'
0000B170	00000000	F8000000			1387 DC XL16'00000000F800000000000000F8000000'
0000B180	D4E7C2D9	40D5C640			1388 DC CL48'MXBR NF -inf/-QNaN FPCR'
0000B1B0	00000000	F8000000			1389 DC XL16'00000000F800000000000000F8000000'
0000B1C0	D4E7C2D9	40D5C640			1390 DC CL48'MXBR NF -inf/+SNaN FPCR'
0000B1F0	00800000	F8008000			1391 DC XL16'00800000F800800000800000F8008000'
0000B200	D4E7C2D9	40D5C640			1392 DC CL48'MXBR NF -2.0/-inf FPCR'
0000B230	00000000	F8000000			1393 DC XL16'00000000F800000000000000F8000000'
0000B240	D4E7C2D9	40D5C640			1394 DC CL48'MXBR NF -2.0/-2.0 FPCR'
0000B270	00000000	F8000000			1395 DC XL16'00000000F800000000000000F8000000'
0000B280	D4E7C2D9	40D5C640			1396 DC CL48'MXBR NF -2.0/-0 FPCR'
0000B2B0	00000000	F8000000			1397 DC XL16'00000000F800000000000000F8000000'
0000B2C0	D4E7C2D9	40D5C640			1398 DC CL48'MXBR NF -2.0/+0 FPCR'
0000B2F0	00000000	F8000000			1399 DC XL16'00000000F800000000000000F8000000'
0000B300	D4E7C2D9	40D5C640			1400 DC CL48'MXBR NF -2.0/+2.0 FPCR'
0000B330	00000000	F8000000			1401 DC XL16'00000000F800000000000000F8000000'
0000B340	D4E7C2D9	40D5C640			1402 DC CL48'MXBR NF -2.0/+inf FPCR'
0000B370	00000000	F8000000			1403 DC XL16'00000000F800000000000000F8000000'
0000B380	D4E7C2D9	40D5C640			1404 DC CL48'MXBR NF -2.0/-QNaN FPCR'
0000B3B0	00000000	F8000000			1405 DC XL16'00000000F800000000000000F8000000'
0000B3C0	D4E7C2D9	40D5C640			1406 DC CL48'MXBR NF

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	
0000B4B0	00000000 F8000000			1413	DC XL16'00000000F800000000000000F8000000'
0000B4C0	D4E7C2D9 40D5C640			1414	DC CL48'MXBR NF -0/+0 FPCR'
0000B4F0	00000000 F8000000			1415	DC XL16'00000000F800000000000000F8000000'
0000B500	D4E7C2D9 40D5C640			1416	DC CL48'MXBR NF -0/+2.0 FPCR'
0000B530	00000000 F8000000			1417	DC XL16'00000000F800000000000000F8000000'
0000B540	D4E7C2D9 40D5C640			1418	DC CL48'MXBR NF -0/+inf FPCR'
0000B570	00800000 F8008000			1419	DC XL16'00800000F800800000800000F8008000'
0000B580	D4E7C2D9 40D5C640			1420	DC CL48'MXBR NF -0/-QNaN FPCR'
0000B5B0	00000000 F8000000			1421	DC XL16'00000000F800000000000000F8000000'
0000B5C0	D4E7C2D9 40D5C640			1422	DC CL48'MXBR NF -0/+SNaN FPCR'
0000B5F0	00800000 F8008000			1423	DC XL16'00800000F800800000800000F8008000'
0000B600	D4E7C2D9 40D5C640			1424	DC CL48'MXBR NF +0/-inf FPCR'
0000B630	00800000 F8008000			1425	DC XL16'00800000F800800000800000F8008000'
0000B640	D4E7C2D9 40D5C640			1426	DC CL48'MXBR NF +0/-2.0 FPCR'
0000B670	00000000 F8000000			1427	DC XL16'00000000F800000000000000F8000000'
0000B680	D4E7C2D9 40D5C640			1428	DC CL48'MXBR NF +0/-0 FPCR'
0000B6B0	00000000 F8000000			1429	DC XL16'00000000F800000000000000F8000000'
0000B6C0	D4E7C2D9 40D5C640			1430	DC CL48'MXBR NF +0/+0 FPCR'
0000B6F0	00000000 F8000000			1431	DC XL16'00000000F800000000000000F8000000'
0000B700	D4E7C2D9 40D5C640			1432	DC CL48'MXBR NF +0/+2.0 FPCR'
0000B730	00000000 F8000000			1433	DC XL16'00000000F800000000000000F8000000'
0000B740	D4E7C2D9 40D5C640			1434	DC CL48'MXBR NF +0/+inf FPCR'
0000B770	00800000 F8008000			1435	DC XL16'00800000F800800000800000F8008000'
0000B780	D4E7C2D9 40D5C640			1436	DC CL48'MXBR NF +0/-QNaN FPCR'
0000B7B0	00000000 F8000000			1437	DC XL16'00000000F800000000000000F8000000'
0000B7C0	D4E7C2D9 40D5C640			1438	DC CL48'MXBR NF +0/+SNaN FPCR'
0000B7F0	00800000 F8008000			1439	DC XL16'00800000F800800000800000F8008000'
0000B800	D4E7C2D9 40D5C640			1440	DC CL48'MXBR NF +2.0/-inf FPCR'
0000B830	00000000 F8000000			1441	DC XL16'00000000F800000000000000F8000000'
0000B840	D4E7C2D9 40D5C640			1442	DC CL48'MXBR NF +2.0/-2.0 FPCR'
0000B870	00000000 F8000000			1443	DC XL16'00000000F800000000000000F8000000'
0000B880	D4E7C2D9 40D5C640			1444	DC CL48'MXBR NF +2.0/-0 FPCR'
0000B8B0	00000000 F8000000			1445	DC XL16'00000000F800000000000000F8000000'
0000B8C0	D4E7C2D9 40D5C640			1446	DC CL48'MXBR NF +2.0/+0 FPCR'
0000B8F0	00000000 F8000000			1447	DC XL16'00000000F800000000000000F8000000'
0000B900	D4E7C2D9 40D5C640			1448	DC CL48'MXBR NF +2.0/+2.0 FPCR'
0000B930	00000000 F8000000			1449	DC XL16'00000000F800000000000000F8000000'
0000B940	D4E7C2D9 40D5C640			1450	DC CL48'MXBR NF +2.0/+inf FPCR'
0000B970	00000000 F8000000			1451	DC XL16'00000000F800000000000000F8000000'
0000B980	D4E7C2D9 40D5C640			1452	DC CL48'MXBR NF +2.0/-QNaN FPCR'
0000B9B0	00000000 F8000000			1453	DC XL16'00000000F800000000000000F8000000'
0000B9C0	D4E7C2D9 40D5C640			1454	DC CL48'MXBR NF +2.0/+SNaN FPCR'
0000B9F0	00800000 F8008000			1455	DC XL16'00800000F800800000800000F8008000'
0000BA00	D4E7C2D9 40D5C640			1456	DC CL48'MXBR NF +inf/-inf FPCR'
0000BA30	00000000 F8000000			1457	DC XL16'00000000F800000000000000F8000000'
0000BA40	D4E7C2D9 40D5C640			1458	DC CL48'MXBR NF +inf/-2.0 FPCR'
0000BA70	00000000 F8000000			1459	DC XL16'00000000F800000000000000F8000000'
0000BA80	D4E7C2D9 40D5C640			1460	DC CL48'MXBR NF +inf/-0 FPCR'
0000BAB0	00800000 F8008000			1461	DC XL16'00800000F800800000800000F8008000'
0000BAC0	D4E7C2D9 40D5C640			1462	DC CL48'MXBR NF +inf/+0 FPCR'
0000BAF0	00800000 F8008000			1463	DC XL16'00800000F800800000800000F8008000'
0000BB00	D4E7C2D9 40D5C640			1464	DC CL48'MXBR NF +inf/+2.0 FPCR'
0000BB30	00000000 F8000000			1465	DC XL16'00000000F800000000000000F8000000'
0000BB40	D4E7C2D9 40D5C640			1466	DC CL48'MXBR NF +inf/+inf FPCR'
0000BB70	00000000 F8000000			1467	DC XL16'00000000F800000000000000F8000000'
0000BB80	D4E7C2D9 40D5C640			1468	DC CL48'MXBR NF +inf/-QNaN FPCR'

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
0000BBB0	00000000 F8000000			1469 DC XL16'00000000F800000000000000F8000000'
0000BBC0	D4E7C2D9 40D5C640			1470 DC CL48'MXBR NF +inf/+SNaN FPCR'
0000BBF0	00800000 F8008000			1471 DC XL16'00800000F800800000800000F8008000'
0000BC00	D4E7C2D9 40D5C640			1472 DC CL48'MXBR NF -QNaN/-inf FPCR'
0000BC30	00000000 F8000000			1473 DC XL16'00000000F800000000000000F8000000'
0000BC40	D4E7C2D9 40D5C640			1474 DC CL48'MXBR NF -QNaN/-2.0 FPCR'
0000BC70	00000000 F8000000			1475 DC XL16'00000000F800000000000000F8000000'
0000BC80	D4E7C2D9 40D5C640			1476 DC CL48'MXBR NF -QNaN/-0 FPCR'
0000BCB0	00000000 F8000000			1477 DC XL16'00000000F800000000000000F8000000'
0000BCC0	D4E7C2D9 40D5C640			1478 DC CL48'MXBR NF -QNaN/+0 FPCR'
0000BCF0	00000000 F8000000			1479 DC XL16'00000000F800000000000000F8000000'
0000BD00	D4E7C2D9 40D5C640			1480 DC CL48'MXBR NF -QNaN/+2.0 FPCR'
0000BD30	00000000 F8000000			1481 DC XL16'00000000F800000000000000F8000000'
0000BD40	D4E7C2D9 40D5C640			1482 DC CL48'MXBR NF -QNaN/+inf FPCR'
0000BD70	00000000 F8000000			1483 DC XL16'00000000F800000000000000F8000000'
0000BD80	D4E7C2D9 40D5C640			1484 DC CL48'MXBR NF -QNaN/-QNaN FPCR'
0000BDB0	00000000 F8000000			1485 DC XL16'00000000F800000000000000F8000000'
0000BDC0	D4E7C2D9 40D5C640			1486 DC CL48'MXBR NF -QNaN/+SNaN FPCR'
0000BDF0	00800000 F8008000			1487 DC XL16'00800000F800800000800000F8008000'
0000BE00	D4E7C2D9 40D5C640			1488 DC CL48'MXBR NF +SNaN/-inf FPCR'
0000BE30	00800000 F8008000			1489 DC XL16'00800000F800800000800000F8008000'
0000BE40	D4E7C2D9 40D5C640			1490 DC CL48'MXBR NF +SNaN/-2.0 FPCR'
0000BE70	00800000 F8008000			1491 DC XL16'00800000F800800000800000F8008000'
0000BE80	D4E7C2D9 40D5C640			1492 DC CL48'MXBR NF +SNaN/-0 FPCR'
0000BEB0	00800000 F8008000			1493 DC XL16'00800000F800800000800000F8008000'
0000BEC0	D4E7C2D9 40D5C640			1494 DC CL48'MXBR NF +SNaN/+0 FPCR'
0000BEF0	00800000 F8008000			1495 DC XL16'00800000F800800000800000F8008000'
0000BF00	D4E7C2D9 40D5C640			1496 DC CL48'MXBR NF +SNaN/+2.0 FPCR'
0000BF30	00800000 F8008000			1497 DC XL16'00800000F800800000800000F8008000'
0000BF40	D4E7C2D9 40D5C640			1498 DC CL48'MXBR NF +SNaN/+inf FPCR'
0000BF70	00800000 F8008000			1499 DC XL16'00800000F800800000800000F8008000'
0000BF80	D4E7C2D9 40D5C640			1500 DC CL48'MXBR NF +SNaN/-QNaN FPCR'
0000BFB0	00800000 F8008000			1501 DC XL16'00800000F800800000800000F8008000'
0000BFC0	D4E7C2D9 40D5C640			1502 DC CL48'MXBR NF +SNaN/+SNaN FPCR'
0000BFF0	00800000 F8008000			1503 DC XL16'00800000F800800000800000F8008000'
		00000040	00000001	1504 XBFPNFFL_NUM EQU (*-XBFPNFFL_GOOD)/64



LOC	OBJECT	CODE	ADDR1	ADDR2	STMT
					1546 *****
					1547 * VERIFICATION ROUTINE
					1548 *****
0000C0A0					1550 VERISUB DS 0H
					1551 *
					1552 ** Loop through the VERIFY TABLE...
					1553 *
0000C0A0	4110	C32C		0000C32C	1555 LA R1,VERIFTAB R1 --> Verify table
0000C0A4	4120	0004		00000004	1556 LA R2,VERIFLEN R2 <= Number of entries
0000C0A8	0D30				1557 BASR R3,0 Set top of loop
0000C0AA	9846	1000		00000000	1559 LM R4,R6,0(R1) Load verify table values
0000C0AE	4D70	C0C2		0000C0C2	1560 BAS R7,VERIFY Verify results
0000C0B2	4110	100C		0000000C	1561 LA R1,12(,R1) Next verify table entry
0000C0B6	0623				1562 BCTR R2,R3 Loop through verify table
0000C0B8	9500	C278		0000C278	1564 CLI FAILFLAG,X'00' Did all tests verify okay?
0000C0BC	078D				1565 BER R13 Yes, return to caller
0000C0BE	47F0	F238		00000238	1566 B FAIL No, load FAILURE disabled wait PSW
					1568 *
					1569 ** Loop through the ACTUAL / EXPECTED results...
					1570 *
0000C0C2	0D80				1572 VERIFY BASR R8,0 Set top of loop
0000C0C4	D50F	4000 5030	00000000	00000030	1574 CLC 0(16,R4),48(R5) Actual results == Expected results?
0000C0CA	4770	C0DA		0000C0DA	1575 BNE VERIFAIL No, show failure
0000C0CE	4140	4010		00000010	1576 VERINEXT LA R4,16(,R4) Next actual result
0000C0D2	4150	5040		00000040	1577 LA R5,64(,R5) Next expected result
0000C0D6	0668				1578 BCTR R6,R8 Loop through results
0000C0D8	07F7				1580 BR R7 Return to caller

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	
					1582	*****
					1583	* Report the failure...
					1584	*****
0000C0DA	9005	C250		0000C250	1586	VERIFAIL STM R0,R5,SAVER0R5 Save registers
0000C0DE	92FF	C278		0000C278	1587	MVI FAILFLAG,X'FF' Remember verification failure
					1588	*
					1589	** First, show them the description...
					1590	*
0000C0E2	D22F	C1E0	5000	0000C1E0	1591	MVC FAILDESC,0(R5) Save results/test description
0000C0E8	4100	0044		00000044	1592	LA R0,L'FAILMSG1 R0 <= length of message
0000C0EC	4110	C1CC		0000C1CC	1593	LA R1,FAILMSG1 R1 --> the message text itself
0000C0F0	4520	C27A		0000C27A	1594	BAL R2,MSG Go display this message
					1595	*
					1596	** Save address of actual and expected results
					1597	*
0000C0F4	5040	C24C		0000C24C	1598	ST R4,AACTUAL Save A(actual results)
0000C0F8	4150	5030		00000030	1599	LA R5,48(,R5) R5 ==> expected results
0000C0FC	5050	C248		0000C248	1600	ST R5,AEXPECT Save A(expected results)
					1601	*
					1602	** Format and show them the EXPECTED ("Want") results...
					1603	*
0000C100	D205	C210	C360	0000C210	1604	MVC WANTGOT,=CL6'Want: '
0000C106	F384	C216	C248	0000C216	1605	UNPK FAILADR(L'FAILADR+1),AEXPECT(L'AEXPECT+1)
0000C10C	9240	C21E		0000C21E	1606	MVI BLANKEQ,C' '
0000C110	DC07	C216	C178	0000C216	1607	TR FAILADR,HEXTRTAB
0000C116	F384	C221	5000	0000C221	1609	UNPK FAILVALS+(0*9)(9),(0*4)(5,R5)
0000C11C	9240	C229		0000C229	1610	MVI FAILVALS+(0*9)+8,C' '
0000C120	DC07	C221	C178	0000C221	1611	TR FAILVALS+(0*9)(8),HEXTRTAB
0000C126	F384	C22A	5004	0000C22A	1613	UNPK FAILVALS+(1*9)(9),(1*4)(5,R5)
0000C12C	9240	C232		0000C232	1614	MVI FAILVALS+(1*9)+8,C' '
0000C130	DC07	C22A	C178	0000C22A	1615	TR FAILVALS+(1*9)(8),HEXTRTAB
0000C136	F384	C233	5008	0000C233	1617	UNPK FAILVALS+(2*9)(9),(2*4)(5,R5)
0000C13C	9240	C23B		0000C23B	1618	MVI FAILVALS+(2*9)+8,C' '
0000C140	DC07	C233	C178	0000C233	1619	TR FAILVALS+(2*9)(8),HEXTRTAB
0000C146	F384	C23C	500C	0000C23C	1621	UNPK FAILVALS+(3*9)(9),(3*4)(5,R5)
0000C14C	9240	C244		0000C244	1622	MVI FAILVALS+(3*9)+8,C' '
0000C150	DC07	C23C	C178	0000C23C	1623	TR FAILVALS+(3*9)(8),HEXTRTAB
0000C156	4100	0035		00000035	1625	LA R0,L'FAILMSG2 R0 <= length of message
0000C15A	4110	C210		0000C210	1626	LA R1,FAILMSG2 R1 --> the message text itself
0000C15E	4520	C27A		0000C27A	1627	BAL R2,MSG Go display this message

LOC	OBJECT CODE	ADDR1	ADDR2	STMT			
				1629 *			
				1630 **		Format and show them the ACTUAL ("Got") results...	
				1631 *			
0000C162	D205 C210 C366	0000C210	0000C366	1632	MVC	WANTGOT,=CL6'Got: '	
0000C168	F384 C216 C24C	0000C216	0000C24C	1633	UNPK	FAILADR(L'FAILADR+1),AACTUAL(L'AACTUAL+1)	
0000C16E	9240 C21E		0000C21E	1634	MVI	BLANKEQ,C' '	
0000C172	DC07 C216 C178	0000C216	0000C178	1635	TR	FAILADR,HEXTRTAB	
0000C178	F384 C221 4000	0000C221	00000000	1637	UNPK	FAILVALS+(0*9)(9),(0*4)(5,R4)	
0000C17E	9240 C229		0000C229	1638	MVI	FAILVALS+(0*9)+8,C' '	
0000C182	DC07 C221 C178	0000C221	0000C178	1639	TR	FAILVALS+(0*9)(8),HEXTRTAB	
0000C188	F384 C22A 4004	0000C22A	00000004	1641	UNPK	FAILVALS+(1*9)(9),(1*4)(5,R4)	
0000C18E	9240 C232		0000C232	1642	MVI	FAILVALS+(1*9)+8,C' '	
0000C192	DC07 C22A C178	0000C22A	0000C178	1643	TR	FAILVALS+(1*9)(8),HEXTRTAB	
0000C198	F384 C233 4008	0000C233	00000008	1645	UNPK	FAILVALS+(2*9)(9),(2*4)(5,R4)	
0000C19E	9240 C23B		0000C23B	1646	MVI	FAILVALS+(2*9)+8,C' '	
0000C1A2	DC07 C233 C178	0000C233	0000C178	1647	TR	FAILVALS+(2*9)(8),HEXTRTAB	
0000C1A8	F384 C23C 400C	0000C23C	0000000C	1649	UNPK	FAILVALS+(3*9)(9),(3*4)(5,R4)	
0000C1AE	9240 C244		0000C244	1650	MVI	FAILVALS+(3*9)+8,C' '	
0000C1B2	DC07 C23C C178	0000C23C	0000C178	1651	TR	FAILVALS+(3*9)(8),HEXTRTAB	
0000C1B8	4100 0035		00000035	1653	LA	R0,L'FAILMSG2	R0 <= length of message
0000C1BC	4110 C210		0000C210	1654	LA	R1,FAILMSG2	R1 --> the message text itself
0000C1C0	4520 C27A		0000C27A	1655	BAL	R2,MSG	Go display this message
0000C1C4	9805 C250		0000C250	1657	LM	R0,R5,SAVER0R5	Restore registers
0000C1C8	47F0 C0CE		0000C0CE	1658	B	VERINEXT	Continue with verification...
0000C1CC				1660	FAILMSG1 DS	0CL68	
0000C1CC	C3D6D4D7 C1D9C9E2			1661	DC	CL20'COMPARISON FAILURE! '	
0000C1E0	4D8485A2 83998997			1662	FAILDESC DC	CL48'(description)'	
0000C210				1664	FAILMSG2 DS	0CL53	
0000C210	40404040 4040			1665	WANTGOT DC	CL6' ' 'Want: ' -or- 'Got: '	
0000C216	C1C1C1C1 C1C1C1C1			1666	FAILADR DC	CL8'AAAAAAA'	
0000C21E	407E40			1667	BLANKEQ DC	CL3' = '	
0000C221	88888888 88888888			1668	FAILVALS DC	CL36'hhhhhhhh hhhhhhhh hhhhhhhh hhhhhhhh '	
0000C248	00000000			1670	AEXPECT DC	F'0'	==> Expected ("Want") results
0000C24C	00000000			1671	AACTUAL DC	F'0'	==> Actual ("Got") results
0000C250	00000000 00000000			1672	SAVER0R5 DC	6F'0'	Registers R0 - R5 save area
0000C268	F0F1F2F3 F4F5F6F7			1673	CHARHEX DC	CL16'0123456789ABCDEF'	
		0000C178	00000010	1674	HEXTRTAB EQU	CHARHEX-X'F0'	Hexadecimal translation table
0000C278	00			1675	FAILFLAG DC	X'00'	FF = Fail, 00 = Success

LOC	OBJECT CODE	ADDR1	ADDR2	STMT				
				1677	*****			
				1678	*	Issue HERCULES MESSAGE	pointed to by R1, length in R0	
				1679	*****			
0000C27A	4900 C35C		0000C35C	1681	MSG	CH	R0,=H'0'	Do we even HAVE a message?
0000C27E	07D2			1682		BNHR	R2	No, ignore
0000C280	9002 C2B0		0000C2B0	1684		STM	R0,R2,MSGSAVE	Save registers
0000C284	4900 C35E		0000C35E	1686		CH	R0,=AL2(L'MSGMSG)	Message length within limits?
0000C288	47D0 C290		0000C290	1687		BNH	MSGOK	Yes, continue
0000C28C	4100 005F		0000005F	1688		LA	R0,L'MSGMSG	No, set to maximum
0000C290	1820			1690	MSGOK	LR	R2,R0	Copy length to work register
0000C292	0620			1691		BCTR	R2,0	Minus-1 for execute
0000C294	4420 C2BC		0000C2BC	1692		EX	R2,MSGMVC	Copy message to O/P buffer
0000C298	4120 200A		0000000A	1694		LA	R2,1+L'MSGCMD(,R2)	Calculate true command length
0000C29C	4110 C2C2		0000C2C2	1695		LA	R1,MSGCMD	Point to true command
0000C2A0	83120008			1697		DC	X'83',X'12',X'0008'	Issue Hercules Diagnose X'008'
0000C2A4	4780 C2AA		0000C2AA	1698		BZ	MSGRET	Return if successful
0000C2A8	0000			1699		DC	H'0'	CRASH for debugging purposes
0000C2AA	9802 C2B0		0000C2B0	1701	MSGRET	LM	R0,R2,MSGSAVE	Restore registers
0000C2AE	07F2			1702		BR	R2	Return to caller
0000C2B0	00000000 00000000			1704	MSGSAVE	DC	3F'0'	Registers save area
0000C2BC	D200 C2CB 1000	0000C2CB	00000000	1705	MSGMVC	MVC	MSGMSG(0),0(R1)	Executed instruction
0000C2C2	D4E2C7D5 D6C8405C			1707	MSGCMD	DC	C'MSGNOH * '	*** HERCULES MESSAGE COMMAND ***
0000C2CB	40404040 40404040			1708	MSGMSG	DC	CL95' '	The message text to be displayed





SYMBOL	TYPE	VALUE	LENGTH	DEFN	REFERENCES														
AACTUAL	F	00C24C	4	1671	1598	1633													
AEXPECT	F	00C248	4	1670	1600	1605													
AHELPERS	A	00027C	4	191	181	214													
BFPMUL2L	J	000000	50028	107															
BLANKEQ	C	00C21E	3	1667	1606	1634													
CHARHEX	C	00C268	16	1673	1674														
CTLR0	F	0002D0	4	224	200	201	202												
FAIL	I	000238	4	189	1566														
FAILADR	C	00C216	8	1666	1605	1607	1633	1635											
FAILDESC	C	00C1E0	48	1662	1591														
FAILFLAG	X	00C278	1	1675	1564	1587													
FAILMSG1	C	00C1CC	68	1660	1592	1593													
FAILMSG2	C	00C210	53	1664	1625	1626	1653	1654											
FAILPSW	X	0002C0	8	222	189														
FAILVALS	C	00C221	36	1668	1609	1610	1611	1613	1614	1615	1617	1618	1619	1621	1622	1623	1637	1638	
					1639	1641	1642	1643	1645	1646	1647	1649	1650	1651					
FPCREGNT	X	0002D4	4	225	278	291	342	357											
FPCREGTR	X	0002D8	4	226	285	297	350	364											
FPR0	U	000000	1	128															
FPR1	U	000001	1	129	277	279	284	286	341	343	349	351							
FPR10	U	00000A	1	138	345	353	360	367											
FPR11	U	00000B	1	139															
FPR12	U	00000C	1	140															
FPR13	U	00000D	1	141															
FPR14	U	00000E	1	142															
FPR15	U	00000F	1	143															
FPR2	U	000002	1	130															
FPR3	U	000003	1	131															
FPR4	U	000004	1	132															
FPR5	U	000005	1	133															
FPR6	U	000006	1	134															
FPR7	U	000007	1	135															
FPR8	U	000008	1	136	276	279	280	283	286	287	290	292	293	296	298	299	340	343	
					344	348	351	352	356	358	359	363	365	366					
FPR9	U	000009	1	137															
GOODPSW	X	0002B0	8	221	218														
HELPERS	H	00C000	2	1506	146	191													
HEXTRTAB	U	00C178	16	1674	1515	1519	1523	1527	1531	1607	1611	1615	1619	1623	1635	1639	1643	1647	
					1651														
IMAGE	1	000000	50028	0															
LBFPNF	H	000382	2	329	208														
LBFPNFCT	U	000008	1	439	241														
LBFPNFFL	U	001800	1	449	238	1723													
LBFPNFFL_GOOD	U	006000	1	727	856	1724													
LBFPNFFL_NUM	U	000040	1	856	1725														
LBFPNFIN	F	000438	4	430	439	242													
LBFPNFOT	U	001000	1	447	237	1719													
LBFPNFOT_GOOD	U	004000	1	467	724	1720													
LBFPNFOT_NUM	U	000080	1	724	1721														
LONGNF	F	0002EC	4	240	207														
MSG	I	00C27A	4	1681	1535	1594	1627	1655											
MSGCMD	C	00C2C2	9	1707	1694	1695													
MSGMSG	C	00C2CB	95	1708	1688	1705	1686												
MSGMVC	I	00C2BC	6	1705	1692														
MSGOK	I	00C290	2	1690	1687														
MSGRET	I	00C2AA	4	1701	1698														

SYMBOL	TYPE	VALUE	LENGTH	DEFN	REFERENCES
MSGSAVE	F	00C2B0	4	1704	1684 1701
PCINTCD	H	00008E	2	159	176 1513
PCNOTDTA	I	00020C	4	180	177
PCOLDPSW	U	000150	1	161	178 1517 1521 1525 1529
PGMCK	H	00C000	2	1512	182
PGMCOMMA	C	00C076	1	1542	1514
PGMPSW	C	00C07C	36	1544	1517 1518 1519 1521 1522 1523 1525 1526 1527 1529 1530 1531
PROGCHK	H	000200	2	175	167
PROGCODE	C	00C072	4	1541	1513 1515
PROGMSG	C	00C05E	66	1539	1533 1534
PROGPSW	D	000228	8	188	187
R0	U	000000	1	109	180 183 200 202 1533 1586 1592 1625 1653 1657 1681 1684 1686 1688 1690 1701
R1	U	000001	1	110	1534 1555 1559 1561 1593 1626 1654 1695 1705
R10	U	00000A	1	119	204 207 266 267 272 330 331 336
R11	U	00000B	1	120	
R12	U	00000C	1	121	146 181 214 270 308 334 376
R13	U	00000D	1	122	182 205 208 215 269 309 333 377 1537 1565
R14	U	00000E	1	123	185 186 216 217
R15	U	00000F	1	124	145 180 183
R2	U	000002	1	111	266 268 308 330 332 376 1535 1556 1562 1594 1627 1655 1682 1684 1690 1691 1692 1694 1701 1702
R3	U	000003	1	112	266 276 283 290 296 307 330 340 348 356 363 375 1557 1562
R4	U	000004	1	113	272 305 336 373 1559 1574 1576 1598 1637 1641 1645 1649
R5	U	000005	1	114	272 277 284 292 298 302 336 341 349 358 365 370 1574 1577 1586 1591 1599 1600 1609 1613 1617 1621 1657
R6	U	000006	1	115	274 305 338 373 1559 1578
R7	U	000007	1	116	267 280 287 293 299 303 331 344 345 352 353 359 360 366 367 371 1560 1580
R8	U	000008	1	117	267 281 288 294 300 304 331 346 354 361 368 372 1572 1578
R9	U	000009	1	118	
SAVER0R5	F	00C250	4	1672	1586 1657
SAVEREGS	F	00023C	4	190	180 183
SBFPNF	H	0002FC	2	265	205
SBFPNFCT	U	000008	1	408	235
SBFPNFIN	F	000418	4	399	408 236
SHORTNF	F	0002DC	4	234	204
START	H	000280	2	199	164
STRTLABL	U	000000	1	108	158 161 163 166 174 447 449 454 456 465
VERIFAIL	I	00C0DA	4	1586	1575
VERIFLEN	U	000004	1	1735	1556
VERIFTAB	F	00C32C	4	1718	1735 1555
VERIFY	I	00C0C2	2	1572	1560
VERINEXT	I	00C0CE	4	1576	1658
VERISUB	H	00C0A0	2	1550	215
WANTGOT	C	00C210	6	1665	1604 1632
XBFPNFFL	U	003000	1	456	244 1731
XBFPNFFL_GOOD	U	00B000	1	1375	1504 1732
XBFPNFFL_NUM	U	000040	1	1504	1733
XBFPNFOT	U	002000	1	454	243 1727
XBFPNFOT_GOOD	U	007000	1	859	1372 1728
XBFPNFOT_NUM	U	000100	1	1372	1729
=AL2(L'MSGMSG)	R	00C35E	2	1739	1686
=CL6'Got: '	C	00C366	6	1741	1632
=CL6'Want: '	C	00C360	6	1740	1604
=H'0'	H	00C35C	2	1738	1681

MACRO   DEFN   REFERENCES

No defined macros

DESC	SYMBOL	SIZE	POS	ADDR
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Entry: 0

Image	IMAGE	50028	0000-C36B	0000-C36B
Region		50028	0000-C36B	0000-C36B
CSECT	BFBPMUL2L	50028	0000-C36B	0000-C36B

STMT

FILE NAME

```
1 c:\Users\Fish\Documents\Visual Studio 2008\Projects\MyProjects\ASMA-0\bfp-020-multlonger\bfp-020-multlonger.asm
```

**\*\* NO ERRORS FOUND \*\***