ASMA Ver.	0.2.1	VERY	Simple Ba	sic HFP Floati	ng Poin	t Tests	24 Feb 2023 12:25:31 Page	1
LOC	OBJECT CODE	ADDR1	ADDR2	STMT				
				3 * 4 ******* 5 * 6 * This 7 * test 8 * "Num 9 * SA22 10 * 11 * Unli 12 * for 13 * at t 14 * inst 15 * 16 * UPDA 17 * in z 18 * HFP 19 * 20 *******	****** progra s based ber Rep -7200-0 ke othe no othe he time ruction TE: Thi /Arcite instruc ******	FLOAT ***************** m performs a few EXTREM on the instruction-use resentation and Instruct 0 "ESA/370 Principles of r S/370 tests, this test r reason than that's the there was some concert s were being executed post stest has now been upd cture mode as well, sin tions. ***********************************	**************************************	
				23 *		LOW CORE	**************	
00000000		00000000 00000000	00000601	26 TEST 27	START USING		Use absolute addressing	
				29	PRINT	DATA		
00000000 00000000	00000000 00000200	00000000	00000000	31 32		TEST+X'00' XL4'00000000',A(BEGIN)	S/370 Restart new PSW	
00000008 00000068	00020000 0000DEAD	00000008	00000068	34 35		TEST+X'68' XL4'00020000',A(X'DEAD'	S/370 Program new PSW)	
00000070		00000070	000001A0	37			z Restart New PSW	
	00000001 80000000 00000000 0000020C			38	DC	0D'0',X'00000018000000	OO',AD(BEGINZ)	
	00020001 80000000 00000000 0000DEAD	000001B0	000001D0	40 41		TEST+X'1D0' 0D'0',X'000200018000000	z Program New PSW 00',AD(X'DEAD')	
				43	PRINT	NODATA		

ASMA Ver.	0.2.1	VERY	Simple Ba	sic HFP Floati	ng Poi	nt Tests	24 Feb 2023 12:25:31 Page 2
LOC	OBJECT CODE	ADDR1	ADDR2	STMT			
				46 *		MAINLI	*********** NE *********
				47 ******	*****	*******	*********
000001E0		000001E0	00000200	49	ORG	TEST+X'200'	Start of test program
00000204	92F3 03B2 45F0 0218 47F0 023A		000003B2 00000218 0000023A	51 BEGIN 52 53	MVI BAL B	RUNMODE,MODE370 R15,DOTESTS SUCCESS	370 mode
00000210	92E9 03B2 45F0 0218 47F0 023A		000003B2 00000218 0000023A	55 BEGINZ 56 57	MVI BAL B	RUNMODE,ZMODE R15,DOTESTS SUCCESS	z/Architecture mode
00000218				59 DOTESTS	DS	0 Н	Perform all tests
	45E0 02B8 45E0 02DC 45E0 0300		000002B8 000002DC 00000300	61 62 63	BAL BAL BAL	R14,TEST1 R14,TEST2 R14,TEST3	
00000224 00000228	45E0 0340 45E0 0372 45E0 0390		00000340 00000372 00000390	64 65 66	BAL BAL BAL	R14,TEST4 R14,TEST5 R14,TEST6	
00000230 00000234	9200 0600 9200 0601		00000600	68 69	MVI MVI	TESTNUM,0 SUBTEST,0	No test has failed No sub-test has failed either
			10000001	-		•	
00000238	07FF			71	BR	R15	Return to caller

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LOC	OBJECT CODE	ADDR1	ADDR2	STMT		
				74 *		**************************************
				75 ******	*****	****************
	95F3 03B2 4770 025E 8200 0270		000003B2 0000025E 00000270	77 SUCCESS 78 79	BNE	RUNMODE, MODE370 ZSUCCESS OKPSW
	95F3 03B2 4770 0262 8200 0278		000003B2 00000262 00000278	81 BADCC 82 83		RUNMODE, MODE370 ZBADCC CCPSW
	4770 0266		000003B2 00000266	85 BADGOT 86	CLI BNE	RUNMODE, MODE370 ZBADGOT
0000025A	8200 0280		00000280	87	LPSW	GOTPSW
0000025E 00000262 00000266	B2B2 0288 B2B2 0298 B2B2 02A8		00000288 00000298 000002A8	89 ZSUCCESS 90 ZBADCC 91 ZBADGOT	LPSWE	ZOKPSW ZCCPSW ZGOTPSW
				93	PRINT	DATA
00000278	00020000 00000000 00020000 000BADCC 00020000 00BADBAD			95 OKPSW 96 CCPSW 97 GOTPSW		<pre>0D'0',XL4'00020000',A(0) 0D'0',XL4'00020000',A(X'BADCC') 0D'0',XL4'00020000',A(X'BADBAD')</pre>
00000288 00000290 00000298	00000000 00000000			99 ZOKPSW 100 ZCCPSW	DC DC	<pre>0D'0',XL8'0002000180000000',AD(0) 0D'0',XL8'0002000180000000',AD(X'BADCC')</pre>
000002A0 000002A8				100 ZCCPSW		0D'0',XL8'0002000180000000',AD(X'BADBAD')
				103	PRINT	NODATA

```
VERY Simple Basic HFP Floating Point Tests
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                                                                                        24 Feb 2023 12:25:31 Page
 LOC
                           ADDR1
                                    ADDR2
           OBJECT CODE
                                            STMT
                                             106 *
                                                               TEST 1: AE/AD (Add Normalized)
                                             MVI TESTNUM, X'F1'
000002B8 92F1 0600
                                   00000600
                                            109 TEST1
                                   00000601
                                                        MVI SUBTEST, 0
000002BC 9200 0601
                                            110
                                             111 *
                                             112 *
                                                   Add Normalized (AD, ADR, AE, AER, AXR)
                                             113 *
                                             114 *
                                                     FPR6 contains
                                             115 *
                                                     C3 08 21 00 00 00 00 00
                                             116 *
                                             117 *
                                                     Storage location contains
                                             118 *
                                                     41 12 34 56 00 00 00 00
                                             119 *
                                             120 *
                                             121 *
                                                     Machine Format
                                             122 *
                                             123 *
                                                       Op Code R1 X2 B2 D2
                                             124 *
                                                        7A 6 0 D 000
                                             125 *
                                             126 *
                                             127 *
                                                     Assembler Format
                                             128 *
                                                      Op Code R1,D2(X2,B2)
                                             129 *
                                             130 *
                                                       AE 6,0(0,13)
                                             131 *
                                             132 *
                                             133 *
                                                   the result (left half of FPR6) is
                                             134 *
                                                   C2 80 EC BB.
                                             135 *
                                             136 * The right half of FPR6 is unchanged.
                                             137 *
                                             138 *
                                                   Condition code 1 is set (result less than zero).
                                             139 *
                                             140 * If the long-precision instruction 'AD' were used,
                                             141 *
                                                  the result in FPR6 would be
                                             142 * C2 80 BC BA A0 00 00 00.
                                             143 *
000002C0
        6860 03B8
                                   000003B8
                                            144
                                                        LD
                                                              FPR6,T1 FPR6
                                            145
                                                              FPR6,T1 STRG
000002C4 7A60 03C0
                                   000003C0
                                                        ΑE
                                                              B'1011',BADCC (not CC1)
000002C8 47B0 0246
                                            146
                                                        BC
                                   00000246
                                            147
                                                        STD
000002CC 6060 03C8
                                   000003C8
                                                              FPR6,T1 GOT
000002D0 D507 03C8 03D0
                                            148
                                                             T1 GOT, \overline{T}1 WANT
                          000003C8
                                   000003D0
                                                        CLC
000002D6 4770 0252
                                   00000252
                                             149
                                                        BNE
                                                              BADGOT
000002DA 07FE
                                             150
                                                        BR
                                                              R14
```

```
VERY Simple Basic HFP Floating Point Tests
                                                                                       24 Feb 2023 12:25:31 Page
ASMA Ver. 0.2.1
 LOC
                           ADDR1
                                    ADDR2
           OBJECT CODE
                                            STMT
                                            153 *
                                                               TEST 2: AU (Add Unnormalized)
                                            MVI TESTNUM, X'F2'
000002DC 92F2 0600
                                   00000600
                                            156 TEST2
000002E0 9200 0601
                                   00000601
                                            157
                                                        MVI SUBTEST, 0
                                            158 *
                                            159 * Add Unnormalized (AU, AUR, AW, AWR)
                                            160 *
                                            161 *
                                                  using the the same operands as in the
                                            162 *
                                                   previous ADD NORMALIZED example:
                                            163 *
                                            164 * FPR6 contains
                                            165 *
                                                  C3 08 21 00 00 00 00 00
                                            166 *
                                            167 * Storage location contains
                                            168 * 41 12 34 56 00 00 00 00
                                            169 *
                                            170 *
                                            171 *
                                                    Machine Format
                                            172 *
                                            173 *
                                                      Op Code R1 X2 B2 D2
                                            174 *
                                                        7E 6 0 D 0000
                                            175 *
                                            176 *
                                            177 *
                                                    Assembler Format
                                            178 *
                                            179 *
                                                      Op Code R1, D2(X2, B2)
                                            180 *
                                                        ΑU
                                                             6,0(0,13)
                                            181 *
                                            182 *
                                            183 * result in FPR6
                                            184 *
                                                  C3 08 0E CB 00 00 00 00
                                            185 *
                                            186 * Condition code 1 is set (result less than zero).
                                            187 *
000002E4 6860 03D8
                                   000003D8
                                            188
                                                        LD
                                                             FPR6,T2_FPR6
000002E8 7E60 03E0
                                   000003E0
                                            189
                                                        ΑU
                                                             FPR6,T2_STRG
000002EC 47B0 0246
                                            190
                                                        BC
                                                             B'1011', BADCC (not CC1)
                                   00000246
000002F0 6060 03E8
                                   000003E8
                                            191
                                                        STD
                                                             FPR6,T2 GOT
000002F4 D507 03E8 03F0
                                            192
                                                             T2 GOT, \overline{T}2 WANT
                          000003E8
                                  000003F0
                                                        \mathsf{CLC}
000002FA 4770 0252
                                   00000252
                                            193
                                                        BNE
                                                             BADGOT
000002FE 07FE
                                            194
                                                        BR
                                                             R14
```

```
VERY Simple Basic HFP Floating Point Tests
ASMA Ver. 0.2.1
                                                                                            24 Feb 2023 12:25:31 Page
                            ADDR1
 LOC
           OBJECT CODE
                                     ADDR2
                                              STMT
                                               197 *
                                                                   TEST 3: CDR (Compare)
                                               00000300 92F3 0600
                                    00000600
                                              200 TEST3
                                                           MVI TESTNUM, X'F3'
                                    00000601
                                                           MVI SUBTEST, 0
00000304 9200 0601
                                               201
                                               202 *
                                               203 * Compare (CD, CDR, CE, CER)
                                               204 *
                                               205 *
                                                    FPR4 contains
                                               206 *
                                                     43 00 00 00 00 00 00 00 (zero)
                                               207 *
                                               208 *
                                                     FPR6 contains
                                               209 *
                                                     35 12 34 56 78 9A BC DE (positive number).
                                               210 *
                                               211 *
                                               212 *
                                                       Machine Format
                                               213 *
                                               214 *
                                                         Op Code R1 R2
                                               215 *
                                                          29 4 6
                                               216 *
                                               217 *
                                               218 *
                                                       Assembler Format
                                               219 *
                                               220 *
                                                         Op Code R1,R2
                                               221 *
                                                         CDR 4,6
                                               222 *
                                               223 *
                                               224 *
                                                     Condition code 1 is set (FPR4 less than FPR6).
                                               225 *
                                               226 * If FPR6 instead contained
                                               227 * 34 12 34 56 78 9A BC DE
                                               228 *
                                               229 *
                                                     Condition code 0 (equal) would instead be set.
                                              230 *
                                              231 *
                                                     As another example
                                               232 *
                                                     41 00 12 34 56 78 9A BC
                                               233 *
                                               234 * compares equal to all numbers of the form:
                                               235 *
                                                     3F 12 34 56 78 9A BC 0X
                                               236 *
                                               237 *
                                                     where X represents any hexadecimal digit.
                                               238 *
00000308 6840 03F8
                                    000003F8
                                               239
                                                           LD
                                                                FPR4, T3 FPR4
                                                                FPR6,T3_FPR6
0000030C
         6860 0400
                                     00000400
                                               240
                                                           LD
00000310
         2946
                                               241
                                                           CDR
                                                                FPR4, FPR6
                                               242
                                                                B'1011',BADCC
00000312 47B0 0246
                                    00000246
                                                           BC
                                                                              (not CC1)
00000316
         6860 0408
                                    00000408
                                               243
                                                           LD
                                                                FPR6, T3_FPR6A
                                                                FPR4, FPR6
0000031A
         2946
                                               244
                                                           CDR
                                               245
                                                           BC
                                                                B'0111', BADCC (not CC0)
0000031C 4770 0246
                                    00000246
00000320 6840 0410
                                    00000410
                                               246
                                                           LD
                                                                FPR4,T3 FPR4A
00000324 4110 0418
                                               247
                                                                R1,T3 FPR6X
                                    00000418
                                                           LA
00000328 4120 0010
                                               248
                                                                R2,T3_NUMX
                                    00000010
                                                           LA
                                               249 T3_XLOOP LD
0000032C
         6860 1000
                                    00000000
                                                                FPR6,0(,R1)
00000330
         2946
                                               250
                                                           CDR
                                                                FPR4, FPR6
00000332 4770 0246
                                               251
                                                                B'0111', BADCC (not CC0)
                                    00000246
```

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LOC	OBJECT CODE	ADDR1	ADDR2	STMT					
00000336 0000033A 0000033E	4110 1008 4620 032C		00000008 0000032C	252 253 254	LA BCT BR	R1,8(,R1) R2,T3_XLOOP R14			
0000332	0/12			234	Dπ	N2-7			

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                                                                                        24 Feb 2023 12:25:31 Page
ASMA Ver. 0.2.1
 LOC
           OBJECT CODE
                           ADDR1
                                    ADDR2
                                            STMT
                                             257 *
                                                                  TEST 4: DER (Divide)
                                             MVI TESTNUM, X'F4'
00000340 92F4 0600
                                   00000600
                                             260 TEST4
00000344 9200 0601
                                   00000601
                                             261
                                                        MVI SUBTEST, 0
                                             262 *
                                             263 * Divide (DD, DDR, DE, DER)
                                             264 *
                                             265 * first operand = dividend
                                             266 *
                                                   second operand = divisor
                                             267 *
                                                   resulting quotient = replaces first operand
                                             268 *
                                             269 *
                                             270 *
                                                     Machine Format
                                             271 *
                                             272 *
                                                       Op Code R1 R2
                                             273 *
                                                        3D 2 0
                                             274 *
                                             275 *
                                             276 *
                                                     Assembler Format
                                             277 *
                                             278 *
                                                       Op Code R1,R2
                                             279 *
                                                       DER 2,0
                                             280 *
                                             281 *
                                             282 *
                                                         FPR2 Before FPR0
                                                                                 FPR2 After
                                             283 *
                                                         (Dividend)
                                                                     (Divisor)
                                                                                 (Ouotient)
                                                   Case
                                             284 *
                                             285 *
                                                                     +43 001234
                                                                                 -42 72522F
                                                         -43 082100
                                             286 *
                                                    В
                                                         +42 101010
                                                                     +45 111111
                                                                                 +3D F0F0F0
                                             287 *
                                                         +48 30000F
                                                                    +41 400000
                                                                                 +47 C0003C
                                             288 *
                                                         +48 30000F +41 200000
                                                                                 +48 180007
                                                    D
                                             289 *
                                                         +48 180007
                                                                    +41 200000
                                                                                 +47 C00038
                                             290 *
00000348 4110 0498
                                   00000498
                                             291
                                                         LA
                                                              R1, T4_A
0000034C 4120 0005
                                   00000005
                                             292
                                                         LA
                                                              R2,T4 NUMT
        7820 1000
                                             293 T4 LOOP
                                                              FPR2,0(,R1)
00000350
                                   00000000
                                                        LE
00000354
        7800 1004
                                   00000004
                                             294
                                                        LE
                                                              FPR0,4(,R1)
                                             295
00000358 3D20
                                                        DER
                                                              FPR2,FPR0
0000035A 7020 04D4
                                             296
                                                              FPR2,T4 GOT
                                   000004D4
                                                        STE
0000035E D503 04D4 1008
                          000004D4
                                   00000008
                                             297
                                                        CLC
                                                              T4_GOT,8(R1)
00000364 4770 0252
                                   00000252
                                             298
                                                        BNE
                                                              BADGOT
00000368 4110 100C
                                             299
                                                              R1,3*4(,R1)
                                   000000C
                                                        LA
0000036C 4620 0350
                                                        BCT
                                   00000350
                                             300
                                                              R2,T4_LOOP
00000370 07FE
                                             301
                                                        BR
                                                              R14
```

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LOC	OBJECT CODE	ADDR1 A	DDR2 STMT				
			304 *	*****************	TEST 5: HD	**************************************	
	92F5 0600 9200 0601		0000600 307 TE 0000601 308 309 310 *	MVI	TESTNUM, X'F5' SUBTEST, 0		
			311 * 312 * 313 * 314 * 315 *	DIVIDE with	ces the same resu a divisor of 2.0	lt as floating-point	
			316 * 317 * 318 * 319 * 320 *	FPR2 result	ns 00 00 00 00 0F 00 00 00 00 07		
			321 * 322 * 323 * 324 *	Machine Fo			
			325 * 326 * 327 *		2 2		
			328 * 329 * 330 * 331 *	Assembler Op Code HDR	R1,R2		
0000037E			332 * 90004D8 333 334	HDR	FPR2,T5_FPR2 FPR2,FPR2		
00000384 0000038A	6020 04E0 D507 04E0 04E8 4770 0252	000004E0 00	0004E0 335 0004E8 336 0000252 337	CLC BNE	FPR2,T5_GOT T5_GOT,T5_WANT BADGOT		
0000038E	Ø/FE		338	BR	R14		

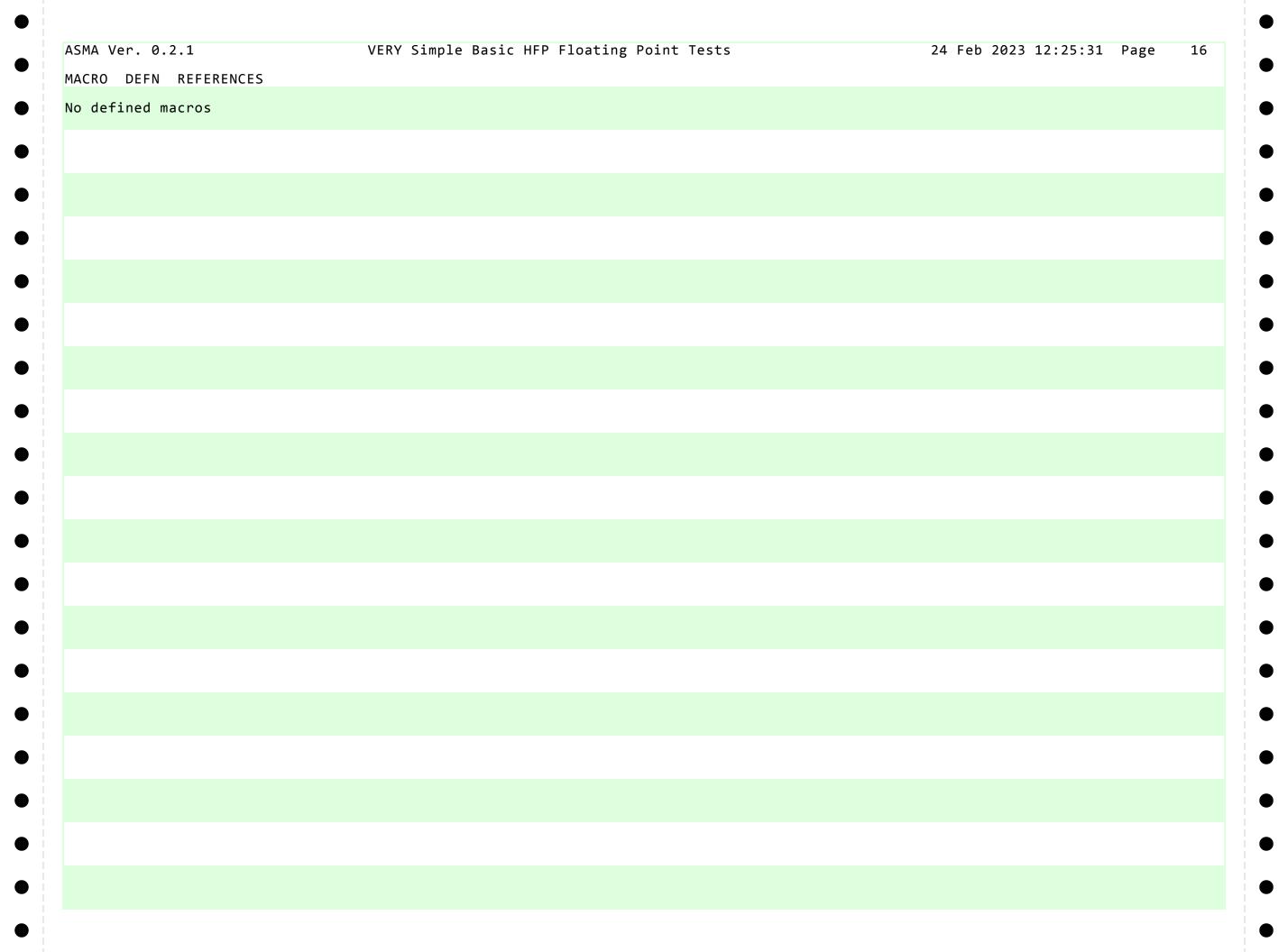
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LOC	OBJECT CODE	ADDR1	ADDR2	STMT									
					*****	*****					**********	*****	
				376 * 277 *******	*****	*****	Wor ****	king ****	sto	rage ***	2 ************	****	
				3//									
000003B2				379	LTORG	,					Literals Pool		
000003B2	40			381 RUNMODE	DC	C''					Run mode		
		000000F3	00000001	382 MODE370	EQU	C'3'					370 run mode		
		000000E9	00000001	383 ZMODE	EQU	C'Z'					z/Architecture run mode		
000003B8				385	DC	0D'0'							
000003B8				386 T1_FPR6		XL8'C3							
000003C0 000003C8				387 T1_STRG 388 T1 GOT	DC DC	XL8'41 XL8'00		4 56	00	00 (90 00·		
000003C0					DC	XL8'C2		СВВ	00	00 (ao oo'		
				_									
000003D8	C3082100 00000000			391 T2 FPR6	DC	צו ג'רז	08 2	1 00	99	aa d	20 00'		
000003E0				392 T2_TFR0		XL8'41							
000003E8				393 T2_GOT	DC	XL8'00	•						
000003F0	C3080ECB 00000000			394 T2_WANT	DC	XL8'C3	08 0	E CB	00	00 (90 00'		
000003F8				396 T3_FPR4		XL8'43							
00000400				397 T3_FPR6		XL8'35							
	34123456 789ABCDE 41001234 56789ABC			398 T3_FPR6A 399 T3 FPR4A		XL8'34 XL8'41							
00000418	3F123456 789ABC00			400 T3_FPR6X	DC	XL8'3F	12 3	4 56	78	9A E	BC 00'		
	3F123456 789ABC01			401	DC	XL8'3F							
	3F123456 789ABC02 3F123456 789ABC03			402 403	DC DC	XL8'3F XL8'3F							
00000438	3F123456 789ABC04			404	DC	XL8'3F							
00000440				405	DC	XL8'3F							
00000448 00000450	3F123456 789ABC06 3F123456 789ABC07			406 407	DC DC	XL8'3F XL8'3F							
00000458	3F123456 789ABC08			408	DC	XL8'3F							
00000460	3F123456 789ABC09			409	DC	XL8'3F	12 3	4 56	78	9A E	BC 09'		
00000468 00000470	3F123456 789ABC0A 3F123456 789ABC0B			410 411	DC	XL8'3F XL8'3F							
00000478	3F123456 789ABC0C			412	DC DC	XL8'3F							
00000480	3F123456 789ABC0D			413	DC	XL8'3F	12 3	4 56	78	9A E	BC 0D'		
	3F123456 789ABC0E			414	DC	XL8'3F							
00000490	3F123456 789ABC0F	00000010	00000001	415 416 T3 NUMX	DC EQU	XL8'3F (*-T3_			/ ŏ	9A I	סנ שר		
		0000010	2000001	120 15_11011/	-40	\ .5_		,, 5					

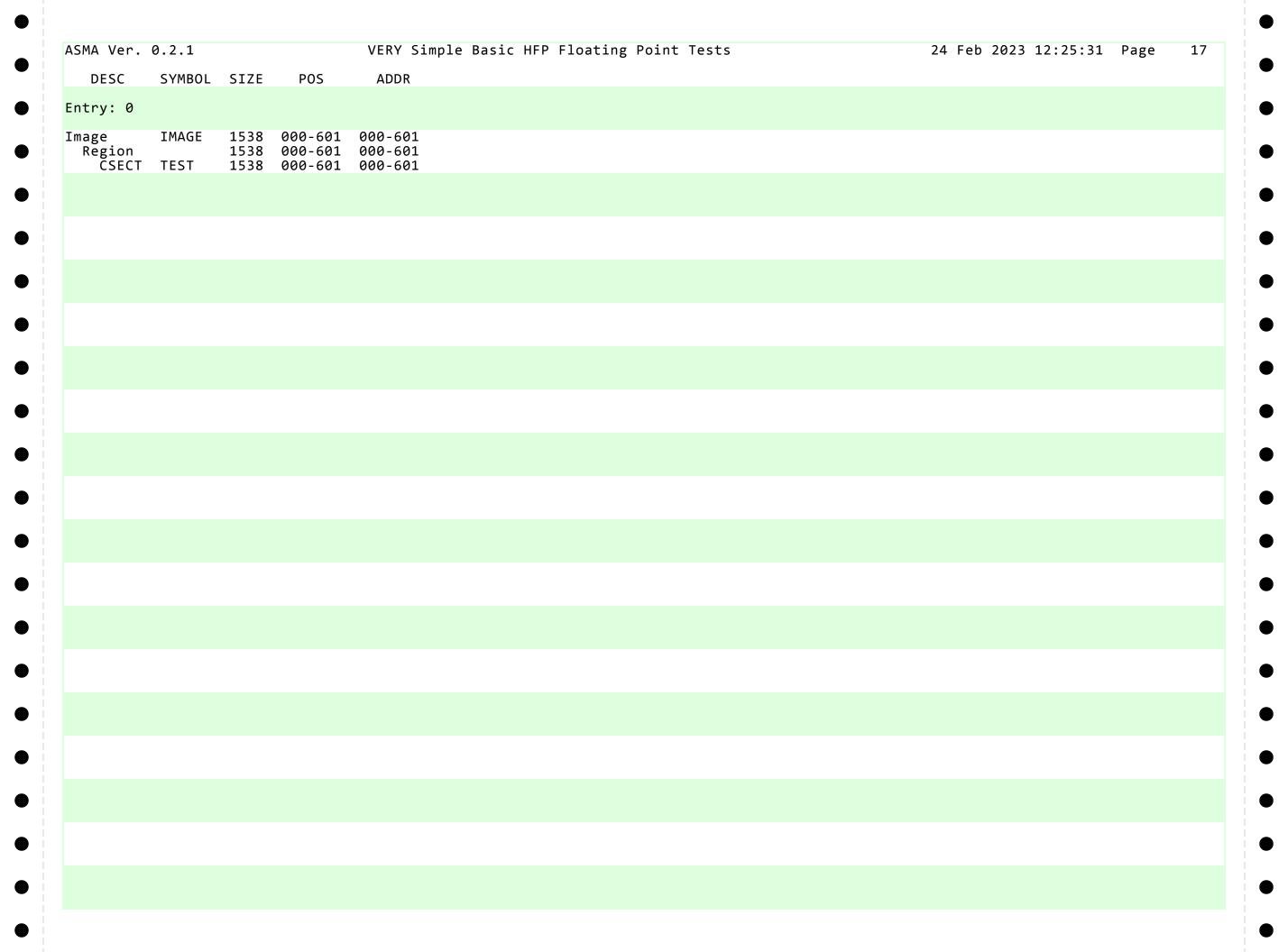
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LOC	OBJECT CODE	ADDR1	ADDR2	STMT						
				418	PRINT	DATA				
	C3082100 43001234			420 T4_A	DC	XL4'C3 082100',X	_4'43 001234',XL4'C2	72522F'		
	C272522F 42101010 45111111			421 T4_B	DC	XL4'42 101010',X	_4'45 111111',XL4'3D	F0F0F0'		
	4830000F 41400000			422 T4_C	DC	XL4'48 30000F',X	_4'41 400000',XL4'47	C0003C'		
	4830000F 41200000			423 T4_D	DC	XL4'48 30000F',X	_4'41 200000',XL4'48	180007'		
	48180007 41200000			424 T4_E	DC	XL4'48 180007',X	_4'41 200000',XL4'47	C00038'		
000004D0	4700038									
000004D4	00000000	00000005	0000000	01 426 T4_NUMT 427 T4 GOT	EQU DC	(*-T4_A)/(3*4) XL4'00'				
				– 429	PRINT	NODATA				
00000400				424	DC	00101	(-1:)			
000004D8				431	DC	0D'0'	(alignment)			
000004D8	48300000 0000000F			433 T5 FPR2	DC	XL8'48 30 00 00 (00 00 00 0F'			
000004E0	00000000 00000000 48180000 00000007			434 T5_GOT 435 T5_WANT	DC	XL8'00' XL8'48 18 00 00 (
00000418	48180000 00000007			433 13_WAN1	DC	XL8 40 18 00 00 0	00 00 07			
	B3606060 60606060			437 T6_FPR0		XL8'B3 606060 600				
	DA200000 20000020 00000000 00000000			438 T6_FPR2 439 T6 GOT		XL8'DA 200000 200 XL8'00'	300020'			
	4CC0C0C1 81818241					XL8'4C C0C0C1 818	318241'			
				· · · ·	*****		*******	******	****	
				443 * 444 *****	*****	Test Flag	3S *****************	*******	****	
00000510		00000510	0000060	00 446	ORG	TEST+X'600'	Test flags			
00000600				448 TESTNUM		X'00'		that failed		
00000601	00			449 SUBTEST	DC	X'00'	Sub-test nu	mber that faile	ed	

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LOC	OBJECT CODE	ADDR1	ADDR2	STMT								
				451 ***** 452 * 453 *****	******* ***	**************************************	************ egister equate *******	**************************************	<pre><************* <**********************</pre>	***** ****	***	
		0000000 0000001 00000002 00000003 00000004 00000005 00000006 00000007 00000008 00000009 000000000000	0000001 0000001 0000001 0000001 0000001 000000	455 R0 456 R1 457 R2 458 R3 459 R4 460 R5 461 R6 462 R7 463 R8 464 R9 465 R10 466 R11 467 R12 468 R13 469 R14 470 R15	EQU EQU EQU EQU EQU EQU EQU EQU EQU EQU	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15						
		00000002 00000004 00000006	00000001 00000001	473 FPR2 474 FPR4 475 FPR6	EQU EQU EQU	2 4 6						
			00000000	477	END	TEST						

ASMA Ver. 0.2.1 SYMBOL	TYPE	VALUE	VERY LENGTH	Simple DEFN		c HFP		ting	Point	ıest	S				2	24 Feb 2	1023 12	:25:31	Page	14
SYMBUL	ITPE	VALUE	LENGIA	DEFIN	KEFE	KENCE	3													
BADCC	Ī	000246	4	81	146	190	242	245	251											
BADGOT	I	000252	4	85	149	193	298	337	372											
BEGIN	I	000200	4	51	32															
BEGINZ	Ţ	00020C	4	55	38															
CCPSW	D	000278	8	96	83	F.C														
OTESTS	Н	000218	2	59	52	56	267	260	270											
PR0	U	000000	1	472	294	295	367	369	370	225	260	260								
PR2	U	000002	1	473	293	295	296	333	334	335	368	369								
PR4	U	000004	1	474	239	241	244	246	250	101	240	241	242	244	240	250				
PR6	U	000006	1	475	144 87	145	147	188	189	191	240	241	243	244	249	250				
GOTPSW	D	000280	1520	97	87															
MAGE	<u> </u>	000000	1538	9	Г1	77	01	0.5												
10DE370 DKPSW	U	0000F3 000270	1	382 95	51 79	77	81	85												
	D U	000000	8	455	19															
RØ R1	U	000001	1 1	455 456	247	249	252	291	293	294	297	299								
R10	U	000001	1	465	44 /	4 43	232	23 1	233	4 74	2 7 1	4 33								
R11	U	00000A	1	466																
R12	Ü	00000C	1	467																
R13	Ü	00000C	1	468																
R14	Ü	00000E	1	469	61	62	63	64	65	66	150	194	254	301	338	373				
R15	Ü	00000E	1	470	52	56	71	04	03	00	130	174	234	JU1	550	373				
12	Ü	000001	1	457	248	253	292	300												
3	Ü	000003	1	458	240	233		300												
84	Ü	000004	1	459																
R5	Ü	000005	1	460																
R6	Ü	000006	1	461																
R7	Ü	000007	1	462																
88	Ū	000008	1	463																
R9	Ū	000009	1	464																
RUNMODE	С	0003B2	1	381	51	55	77	81	85											
SUBTEST	Χ	000601	1	449	69	110	157	201	261	308	345									
SUCCESS	I	00023A	4	77	53	57														
Γ1_FPR6	Χ	0003B8	8	386	144															
Γ1_GOT	Χ	0003C8	8	388	147	148														
T1_STRG	Χ	0003C0	8	387	145															
T1_WANT	Χ	0003D0	8	389	148															
Γ2_FPR6	Χ	0003D8	8	391	188															
Γ2_G0T	X	0003E8	8	393	191	192														
T2_STRG	X	0003E0	8	392	189															
Z_WANT	X	0003F0	8	394	192															
T3_FPR4	X	0003F8	8	396	239															
T3_FPR4A	X	000410	8	399	246															
T3_FPR6	X	000400	8	397	240															
Γ3_FPR6A	X	000408	8	398	243	247														
T3_FPR6X	X	000418	8	400	416	247														
3_NUMX	U	000010	1	416	248															
[3_XL00P	, T	00032C	4	249	253	201														
Γ4_A Γ4_B	X	000498	4	420	426	291														
Γ4_B	X	0004A4	4	421																
[4_C	X	0004B0 0004BC	4	422 423																
Γ4_D Γ4_E	X	0004BC 0004C8	4 4	423 424																
Γ4_Ε Γ4 GOT	X	0004C8	4	424	296	297														
Γ4_GOT Γ4 LOOP	Ĭ	000350	4	293	300	231														
		שככשטט	4	233	200															

SYMBOL 5_FPR2 5_GOT 5_WANT 6_FPR0 6_FPR2 6_GOT 6_WANT EST EST1 EST2	X X X X X X X	VALUE 0004D8 0004E0 0004E8 0004F0 0004F8 000500	LENGTH 8 8 8 8 8	DEFN 433 434 435 437	333	RENCE 336	S								
5_GOT 5_WANT 6_FPR0 6_FPR2 6_GOT 6_WANT EST EST1	X X X X	0004E0 0004E8 0004F0 0004F8 000500	8 8 8 8	434 435	335	336									
5_WANT 6_FPR0 6_FPR2 6_GOT 6_WANT EST EST1	X X X X	0004E8 0004F0 0004F8 000500	8 8 8	435		336									
6_FPR0 6_FPR2 6_GOT 6_WANT EST EST1	X X X	0004F0 0004F8 000500	8 8		220										
6_FPR2 6_GOT 6_WANT EST EST1	X X X	0004F8 000500	8	72/	367										
6_GOT 6_WANT EST EST1	X X	000500		438	368										
6_WANT EST EST1	Χ		8	439	370	371									
EST EST1		000508	8	440	371	J, <u>-</u>									
EST1		000000	1538	26	31	34	37	40	49	446	27	477			
FST2	I	0002B8	4	109	61			. •			_,				
	I	0002DC	4	156	62										
EST3	I	000300	4	200	63										
EST4	I	000340	4	260	64										
EST5	I	000372	4	307	65										
EST6	I	000390	4	344	66										
ESTNUM	Χ	000600	1	448	68	109	156	200	260	307	344				
BADCC	I	000262	4	90	82										
BADGOT	I	000266	4	91	86										
CCPSW	D	000298	8	100	90										
GOTPSW	D	0002A8	8	101	91										
MODE	U	0000E9	1	383	55										
OKPSW SUCCESS	D I	000288 00025E	8 4	99 89	89 78										
3000033	1	000236	4	09	70										





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STMT	FILE NAME	C	
	ents\Visual Studio 2008\Projects\MyProjects\ASMA-0\float\float.asm	n	
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** NO ERRORS FOUND **			