ASMA Ver.	0.2.1 bfp-017-load	dl: Test IE	EE Load	Lengthened	17 Aug 2022 12:22:49 Page 1
LOC	OBJECT CODE	ADDR1	ADDR2	STMT	
				2 ** 3 *	**********************
				5 * 6 * 7 * 8 *	Testcase IEEE LOAD LENGTHENED Test case capability includes IEEE exceptions trappable and otherwise. Test results, FPCR flags, and any DXC are saved for all tests. Load Lengthened does not set the condition code.
				9 * 10 * 11 * 12 *	************* **
				13 * 14 * 15 * 16 * 17 * 18 *	
				19 ***	
				21 ** 22 * 23 *	bfp-017-loadl.asm
				24 * 25 * 26 * 27 * 28 *	Hercules Binary Floating Point Validation Package
				30 *	Runtest *Compare dependency removed by Fish on 2022-08-16 PADCSECT macro/usage removed by Fish on 2022-08-16
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				55 *	EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY

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2
ASMA Ver. 0.2.1 bfp-017-loadl: Test IEEE Load Lengthened
                                                                                             17 Aug 2022 12:22:49 Page
 LOC
           OBJECT CODE
                            ADDR1
                                      ADDR2
                                              STMT
                                                57 * OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
                                                58 * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
                                                59 * OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
                                                60 *
                                                61 **********************
                                                64 *
                                                65 * Tests the following three conversion instructions
                                                       LOAD LENGTHENED (short BFP, RRE)
                                                67 *
                                                       LOAD LENGTHENED (long BFP, RRE)
                                                68 *
                                                       LOAD LENGTHENED (extended BFP, RRE)
                                                69 *
                                                       LOAD LENGTHENED (short BFP, RXE)
                                                70 *
                                                       LOAD LENGTHENED (long BFP, RXE)
                                                71 *
                                                       LOAD LENGTHENED (extended BFP, RXE)
                                                72 *
                                                73 * Test data is compiled into this program. The test script that runs
                                                74 * this program can provide alternative test data through Hercules R
                                                75 * commands.
                                                76 *
                                                77 * Test Case Order
                                                78 * 1) Short to log BFP non-finite tests, non-trap and trap
                                                79 * 2) Short to log BFP finite tests, non-trappable
                                                80 * 3) Long to extended BFP non-finite tests, non-trap and trap
                                                81 * 4) Long to extended BFP finite tests, non-trappable
                                                82 * 5) Short to extended BFP non-finite tests, non-trap and trap
                                                83 * 6) Short to extended BFP finite tests, non-trappable
                                                84 *
                                                85 * Two input test data sets are provided, one each for short and long
                                                       precision BFP inputs. The same short BFP inputs are used for
                                                       short to long testing and short to extended testing.
                                                88 *
                                                89 * Also tests the following floating point support instructions
                                                90 * LOAD (Short)
                                                91 *
                                                       LOAD (Long)
                                                92 *
                                                       LFPC (Load Floating Point Control Register)
                                                93 *
                                                       STORE (Short)
                                                94 *
                                                       STORE (Long)
                                                95 *
                                                       STFPC (Store Floating Point Control Register)
                                                96 *
```

ASMA Ver.	0.2.1 bfp-017-load	l: Test IE	EE Load Le	ngthened			17 Aug 2022 12:22:49 Page	4
LOC	OBJECT CODE	ADDR1	ADDR2	STMT				
00000000 00000000		00000000 00006A40			works (HELPERS,R12 on real iron (R15=	=0 after sysclear) tart of load module)	
				149 * 150 * Low col	re def:	initions, Restart	**************************************	
00000000 0000008E	0000	00000000	0000008E	154 155 PCINTCD	ORG DS	STRTLABL+X'8E' H	Program check interrution code	
		00000150	00000001	156 * 157 PCOLDPSW 158 *	EQU	STRTLABL+X'150'	z/Arch Program check old PSW	
00000090 000001A0	00000001 80000000	00000090	000001A0	159 160 161 *	ORG DC	STRTLABL+X'1A0' X'000000018000000		
000001B0 000001D0	00000000 00000000	000001B0	000001D0	162 163 164 *	ORG DC	STRTLABL+X'1D0' X'00000000000000000		
				165 * Program 166 * the ins 167 * No need	struct: d to co	ion following the	ta Exception, continue execution at program check. Otherwise, hard wait. interesting DXC stuff is captured	
				168 * in the 169 *				
000001E0		000001E0	00000200	170		STRTLABL+X'200'	annam albanda anna d	
00000204	9507 F08F A774 0004		0000008F 0000020C	171 PROGCHK 172 173	CLI JNE	PCINTCD+1,X'07' PCNOTDTA	.no, hardwait (not sure if R15 is ok)	
00000208	B2B2 F150		00000150	174	LPSWE	PCOLDPSW	yes, resume program execution	
	900F F23C		0000023C	176 PCNOTDTA	STM	R0,R15,SAVEREGS		
	58C0 F27C 4DD0 C000 980F F23C		0000027C 00006A40 0000023C	177 178 179	L BAS LM	R13,PGMCK	Get address of helper subroutines Report this unexpected program check Restore registers	
	077E			181 182	BNZR	R14 Ye	eturn address provided? es, return to z/CMS test rig.	
00000228	B2B2 F228 00020000 00000000 B2B2 F2E0		00000228 000002E0	183 184 PROGPSW 185 FAIL	DC	0D'0',X'000200000	ot data exception, enter disabled wait 00000000',XL6'00',X'DEAD' Abnormal end ot data exception, enter disabled wait	
	00000000 00000000			186 SAVEREGS 187 AHELPERS	DC	16F'0' Re	egisters save areá ddress of helper subroutines	

BR

R13

All converted; return.

418

0000048E 07FD

LA

LA

BR

00000040

00000010

510

511

512

513

0000054E 4170 7040

00000552 4180 8010

00000556 062C

00000558 07FD

R7,4*16(,R7)

R8,4*4(,R8)

BCTR R2,R12

R13

Point to next extended BFP result set

Point to next FPCR result area

Convert next input value.

All converted; return.

ASMA Ver.	0.2.1 bfp-017-loa	adl: Test IE	EE Load Le	ngthened		17 Aug 2022 12:22:49 Page	13
LOC	OBJECT CODE	ADDR1	ADDR2	STMT			
				560 *		**************************************	
				562 * correspond	to the data clas	ses listed in Figure 19-17 on page 19-21 are tested with and without traps	
				565 *	alues are used fo	r long and extended result creation.	
				567 *		*************	
000005A8 000005A8	FF800000			570 SBFPNFIN DS 571 DC	0F X'FF800000'	Inputs for short BFP non-finite testing -Infinity	
000005AC 000005B0 000005B4	BF800000 80000000 00000000			572 DC 573 DC 574 DC	X'BF800000' X'80000000' X'00000000'	-1.0 -0.0 +0.0	
000005B8 000005BC 000005C0	3F800000 7F800000			575 DC 576 DC 577 DC	X'3F800000' X'7F800000' X'7FC10000'	+1.0 -Infinity QNaN	
000005C4		00000008	00000001	578 DC 579 SBFPNFCT EQU	X'7F820000'	SNaN	
				5 01 ********	*****	************	
				582 * 583 * Short inte 584 * functional	ger inputs for Lo ly test Load Leng	ad Lengthened testing. These values thened operations including preservation	
				585 * of all sig 586 * (tiny) val 587 *		he result and renormalization of subnormal	
				589 *		r long and extended result creation. ***********************************	
000005C8				592 SBFPFIN DS		Inputs for short BFP finite testing	
000005C8 000005CC 000005D0	804FFFFF 80000001			593 DC 594 DC 595 DC	X'FF7FFFFF' X'804FFFFF' X'80000001'	Maximum -normal, all bits test maximum -tiny, all bits test minimum -tiny	
000005D4 000005D8 000005DC	BDCCCCCD BDCCCCCC 3DCCCCCC			596 DC 597 DC 598 DC	X'BDCCCCCD' X'BDCCCCCC' X'3DCCCCCC'	-0.1 rounded away from zero -0.1 rounded toward zero +0.1 rounded toward zero	
000005E0 000005E4	3DCCCCCD 00000001			599 DC 600 DC	X'3DCCCCCD' X'00000001'	+0.1 rounded away from zero minimum +tiny	
000005E8 000005EC		000000A	00000001	601 DC 602 DC 603 SBFPFCT EQU 604 *	X'004FFFFF' X'7F7FFFFF' (*-SBFPFIN)/4	maximum +tiny, all bits test maximum +normal, all bits test Count of short BFP in list	
				605 ********* 606 *	*******	*************	
						d Lengthened testing. These values	
						ses listed in Figure 19-17 on page 19-21 are tested with and without traps	

					ge 1
LOC	OBJECT CODE	ADDR1	ADDR2	STMT	
				690 ************************************	*
				691 * EXPECTED results	
				692 ***************************	*
		0000000	00004000	693 *	
089000		00000680	00004000	694 ORG STRTLABL+X'4000' (past end of actual results)	
		00004000	0000001	695 * 	
0004000	D3C4C5C2 D940D5C6	00004000	00000001	696 SBFPNFOT_GOOD EQU * 697 DC CL48'LDEBR NF -inf'	
0004000	FFF00000 00000000			698 DC XL16'FFF00000000000FFF0000000000000000'	
0004040	D3C4C5D9 40D5C640			699 DC CL48'LDER NF -inf'	
0004070	FFF00000 00000000			700 DC XL16'FFF0000000000FFF000000000000'	
0004080	D3C4C5C2 D940D5C6			701 DC CL48'LDEBR NF -1.0'	
00040B0	BFF00000 00000000			702 DC XL16'BFF000000000000BFF0000000000000000	
00040C0	D3C4C5D9 40D5C640			703 DC CL48'LDER NF -1.0'	
00040F0	BFF00000 00000000			704 DC XL16'BFF000000000000BFF0000000000000000'	
0004100	D3C4C5C2 D940D5C6			705 DC CL48'LDEBR NF -0.0'	
0004130	80000000 00000000			706 DC XL16'8000000000000000000000000000000000	
0004140	D3C4C5D9 40D5C640			707 DC CL48'LDER NF -0.0'	
0004170	80000000 00000000			708 DC XL16'8000000000000000000000000000000000000	
0004180	D3C4C5C2 D940D5C6			709 DC CL48'LDEBR NF +0.0'	
00041B0 00041C0	00000000 00000000 D3C4C5D9 40D5C640			710 DC XL16'000000000000000000000000000000000000	
00041C0 00041F0	00000000 00000000			711 DC CL48 LDER NF +0.0 712 DC XL16'000000000000000000000000000000000000	
0004110	D3C4C5C2 D940D5C6			713 DC CL48'LDEBR NF +1.0'	
0004230	3FF00000 00000000			714 DC XL16'3FF000000000003FF0000000000000000	
0004240	D3C4C5D9 40D5C640			715 DC CL48'LDER NF +1.0'	
0004270	3FF00000 00000000			716 DC XL16'3FF000000000003FF0000000000000000	
0004280	D3C4C5C2 D940D5C6			717 DC CL48'LDEBR NF -inf'	
00042B0	7FF00000 00000000			718 DC XL16'7FF0000000000007FF0000000000000000'	
00042C0	D3C4C5D9 40D5C640			719 DC CL48'LDER NF -inf'	
00042F0	7FF00000 00000000			720 DC XL16'7FF0000000000007FF0000000000000000'	
0004300	D3C4C5C2 D940D5C6			721 DC CL48'LDEBR NF QNaN'	
0004330	7FF82000 00000000			722 DC XL16'7FF820000000007FF820000000000000'	
	D3C4C5D9 40D5C640			723 DC CL48'LDER NF QNaN'	
	7FF82000 00000000			724 DC XL16'7FF820000000007FF820000000000'	
	D3C4C5C2 D940D5C6 7FF84000 00000000			725 DC CL48'LDEBR NF SNaN' 726 DC XL16'7FF840000000000000000000000000000'	
	D3C4C5D9 40D5C640			726 DC XL16	
	7FF84000 00000000			728 DC XL16'7FF84000000000000000000000000000000000	
3004310	71104000 0000000	00000010	00000001	729 SBFPNFOT NUM EQU (*-SBFPNFOT GOOD)/64	
		00000010	0000001	730 *	
				731 *	
		00004400	00000001	732 SBFPNFFL_GOOD EQU *	
	D3C4C5C2 D940D5C6			733 DC CL48 LDEBR NF -inf FPCR'	
0004430				734 DC XL16'0000000F80000000000000F8000000'	
0004440				735 DC CL48'LDER NF -1.0 FPCR'	
0004470				736 DC XL16'0000000F800000000000000000000000000000	
0004480				737 DC CL48'LDEBR NF -0.0 FPCR'	
00044B0				738 DC XL16'0000000F8000000000000F8000000'	
00044C0				739 DC CL48'LDER NF +0.0 FPCR'	
00044F0	00000000 F8000000			740 DC XL16'00000000F80000000000000000000'	
0004500 0004530				741 DC CL48'LDEBR NF +1.0 FPCR' 742 DC XL16'00000000F80000000000000000000000000000	
				742 DC XL16 0000000F800000000000000000000000000000	
100/15/10	., ., ., ., ., ., ., ., ., ., ., ., ., .			/ TJ DC CC40 CDCN NI - III FCN	
0004540 0004570	00000000 F8000000			744 DC XL16'0000000F800000000000000000000000000000	

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LOC	OBJECT CODE	ADDR1	ADDR2	STMT			
00045B0	00000000 F8000000			746 DC XL16'00000000F800000000000000F8000000'			
00045C0	D3C4C5D9 40D5C640			747 DC CL48'LDER NF SNaN FPCR'			
00045F0	00800000 F8008000	0000000	00000001	748 DC XL16'00800000F800800000800000F8008000'			
		00000008	00000001	749 SBFPNFFL_NUM EQU (*-SBFPNFFL_GOOD)/64 750 *			
				751 *			
		00004600	00000001	752 SBFPFOT_GOOD EQU *			
0004600	D3C4C5C2 D961D3C4			753 DC CL48'LDEBR/LDEB F -Nmax'			
0004630 0004640				754 DC XL16'C7EFFFFFE0000000C7EFFFFFE0000000' 755 DC CL48'LDEBR/LDEB F -Dmax'			
0004670				756 DC XL16'B803FFFFC000000B803FFFFC0000000'			
0004680				757 DC CL48'LDEBR/LDEB F -Dmin'			
00046B0				758 DC XL16'B6A000000000000B6A00000000000000'			
00046C0				759 DC CL48'LDEBR/LDEB F -0.1(RM)'			
00046F0 0004700				760 DC XL16'BFB99999A000000BFB99999A0000000'			
0004700				761 DC CL48'LDEBR/LDEB F -0.1(RZ)' 762 DC XL16'BFB99998000000BFB999980000000'			
0004730				763 DC CL48'LDEBR/LDEB F +0.1(RZ)'			
	3FB99999 80000000			764 DC XL16'3FB99999800000003FB99999800000000'			
	D3C4C5C2 D961D3C4			765 DC CL48'LDEBR/LDEB F +0.1(RP)'			
00047B0 00047C0				766 DC XL16'3FB99999A0000003FB99999A0000000' 767 DC CL48'LDEBR/LDEB F +Dmin'			
00047C0 00047F0				768 DC XL16'36A0000000000036A0000000000000000			
	D3C4C5C2 D961D3C4			769 DC CL48'LDEBR/LDEB F +Dmax'			
0004830	3803FFFF C0000000			770 DC XL16'3803FFFFC00000003803FFFFC0000000'			
	D3C4C5C2 D961D3C4			771 DC CL48'LDEBR/LDEB F +Nmax'			
0004870	47EFFFFF E0000000	0000000A	00000001	772 DC XL16'47EFFFFE000000047EFFFFE0000000'			
		AGGGGGG	00000001	773 SBFPFOT_NUM EQU (*-SBFPFOT_GOOD)/64 774 *			
				775 *			
		00004880	00000001	776 SBFPFOF_GOOD EQU *			
0004880	D3C4C5C2 D961D3C4			777 DC CL48'LDEBR/LDEB F -Nmax/-Dmax FPCR'			
000048B0 000048C0				778 DC XL16'000000000000000000000000000000000000			
00048E0				780 DC XL16'000000000000000000000000000000000000			
0004900				781 DC CL48'LDEBR/LDEB F -0.1(RZ)/+0.1(RZ) FPC	R '		
0004930				782 DC XL16'000000000000000000000000000000000000			
0004940				783 DC CL48'LDEBR/LDEB F +0.1(RP/+Dmin FPCR'			
0004970 0004980				784 DC XL16'000000000000000000000000000000000000			
10004980 100049B0				786 DC XL16'000000000000000000000000000000000000			
		00000005	00000001	787 SBFPFOF_NUM EQU (*-SBFPFOF_GOOD)/64			
				788 *			
		00001000	00000001	789 *			
00049C0	D3E7C4C2 D940D5C6	000049C0	00000001	790 LBFPNFOT_GOOD EQU * 791 DC CL48'LXDBR NF -inf NT'			
	FFFF0000 00000000			792 DC XL16'FFFF000000000000000000000000000000000			
0004A00	D3E7C4C2 D940D5C6			793 DC CL48'LXDBR NF -inf TR'			
	FFFF0000 00000000			794 DC XL16'FFFF000000000000000000000000000000000			
0004A40				795 DC CL48'LDER NF -inf NT'			
0004A70	FFFF0000 00000000 D3C4C5D9 40D5C640			796 DC XL16'FFFF000000000000000000000000000000000			
	FFFF0000 00000000			798 DC XL16'FFFF000000000000000000000000000000000			
0004AC0	D3E7C4C2 D940D5C6			799 DC CL48'LXDBR NF -1.0 NT'			
	BFFF0000 00000000			800 DC XL16'BFFF0000000000000000000000000000000			
0004B00	D3E7C4C2 D940D5C6			801 DC CL48'LXDBR NF -1.0 TR'			

1.00	007507 0007		EE Load Le			· ·	Page	18
LOC	OBJECT CODE	ADDR1	ADDR2	STMT				
0004B30	BFFF0000 00000000			802	DC XL16'BFFF0000000000000000000000000000000000			
0004B40	D3C4C5D9 40D5C640				DC CL48'LDER NF -1.0 NT'			
0004B70	BFFF0000 00000000				DC XL16'BFFF0000000000000000000000000000000000			
0004B80	D3C4C5D9 40D5C640				DC CL48'LDER NF -1.0 TR'			
0004BB0 0004BC0	BFFF0000 00000000 D3E7C4C2 D940D5C6				DC XL16'BFFF0000000000000000000000000000000000			
0004BC0	80000000 00000000				DC XL16'8000000000000000000000000000000000000			
0004B10	D3E7C4C2 D940D5C6				DC CL48'LXDBR NF -0.0 TR'			
0004C30	8000000 0000000				DC XL16'80000000000000000000000000000000000			
0004C40	D3E7C4D9 40D5C640				DC CL48'LXDR NF -0.0 NT'			
0004C70	80000000 00000000				DC XL16'800000000000000000000000000000000000			
0004C80	D3E7C4D9 40D5C640				DC CL48'LXDR NF -0.0 TR'			
0004CB0	80000000 00000000				DC XL16'8000000000000000000000000000000000000			
0004CC0	D3E7C4C2 D940D5C6				DC CL48'LXDBR NF +0.0 NT'			
0004CF0	00000000 00000000				DC XL16'000000000000000000000000000000000000			
0004D00	D3E7C4C2 D940D5C6				DC CL48'LXDBR NF +0.0 TR'			
0004D30 0004D40	00000000 00000000 D3E7C4D9 40D5C640				DC XL16'000000000000000000000000000000000000			
0004D40	00000000 00000000				DC CL48'LXDR NF +0.0 NT' DC XL16'000000000000000000000000000000000000			
0004D70	D3E7C4D9 40D5C640				DC CL48'LXDR NF +0.0 TR'			
0004DB0	0000000 00000000				DC XL16'00000000000000000000000000000000000			
0004DC0	D3E7C4C2 D940D5C6				DC CL48'LXDBR NF +1.0 NT'			
0004DF0	3FFF0000 00000000				DC XL16'3FFF00000000000000000000000000000000			
0004E00	D3E7C4C2 D940D5C6				DC CL48'LXDBR NF +1.0 TR'			
0004E30	3FFF0000 00000000				DC XL16'3FFF0000000000000000000000000000000000			
0004E40	D3E7C4D9 40D5C640			827				
0004E70	3FFF0000 00000000			828				
0004E80	D3E7C4D9 40D5C640			829	DC CL48'LXDR NF +1.0 TR'			
0004EB0	3FFF0000 00000000				DC XL16'3FFF0000000000000000000000000000000000			
0004EC0 0004EF0	D3E7C4C2 D940D5C6 7FFF0000 00000000				DC CL48'LXDBR NF -inf NT' DC XL16'7FFF0000000000000000000000000000000000			
0004E10	D3E7C4C2 D940D5C6				DC CL48'LXDBR NF -inf TR'			
	7FFF0000 00000000				DC XL16'7FFF0000000000000000000000000000000			
0004F40	D3E7C4D9 40D5C640			835	DC CL48'LXDR NF -inf NT'			
0004F70	7FFF0000 00000000				DC XL16'7FFF00000000000000000000000000000000			
0004F80	D3E7C4D9 40D5C640			837	DC CL48'LXDR NF -inf TR'			
0004FB0	7FFF0000 00000000			838	DC XL16'7FFF0000000000000000000000000000000000			
0004FC0	D3E7C4C2 D940D5C6			839	DC CL48'LXDBR NF QNaN NT'			
0004FF0	7FFF8100 00000000			840	DC XL16'7FFF810000000000000000000000000000000000			
0005000	D3E7C4C2 D940D5C6				DC CL48'LXDBR NF QNaN TR'			
0005030	7FFF8100 00000000			842	DC XL16'7FFF810000000000000000000000000000000000			
0005040 0005070	D3E7C4D9 40D5C640 7FFF8100 00000000				DC CL48'LXDR NF QNaN NT' DC XL16'7FFF810000000000000000000000000000000000			
0005080	D3E7C4D9 40D5C640				DC CL48'LXDR NF QNaN TR'			
00050B0	7FFF8100 00000000				DC XL16'7FFF810000000000000000000000000000000000			
00050C0	D3E7C4C2 D940D5C6				DC CL48'LXDBR NF SNaN NT'			
00050F0	7FFF8200 00000000				DC XL16'7FFF8200000000000000000000000000000			
0005100	D3E7C4C2 D940D5C6				DC CL48'LXDBR NF SNaN TR'			
0005130	00000000 00000000				DC XL16'000000000000000000000000000000000000			
0005140	D3E7C4D9 40D5C640				DC CL48'LXDR NF SNaN NT'			
0005170	7FFF8200 00000000				DC XL16'7FFF820000000000000000000000000000000000			
0005180	D3E7C4D9 40D5C640				DC CL48'LXDR NF SNaN TR'			
00051B0	00000000 00000000	00000000	00000001		DC XL16'000000000000000000000000000000000000			
		00000020	00000001	855 856	LBFPNFOT_NUM EQU (*-LBFPNFOT_GOOD)/64 *			
				856 857				

ASMA Ver.	0.2.1 bfp-017-loa	dl: Test IE	EE Load Le	ngthened	1	7 A	ug 2	022 12	:22:49	Page	20
LOC	OBJECT CODE	ADDR1	ADDR2	STMT							
00005830	3C00FFFF FFFFFFF			914 DC XL16'3C00FFFFFFFFFFFE00000000000000000000							
00005840	D3E7C4C2 D940C640			915 DC CL48'LXDBR F +Nmax'							
	7FFFFFF FFFFFFF			916 DC XL16'7FFFFFFFFFFFFFF000000000000000'							
	D3E7C4C2 40C64040 7FFFFFFF FFFFFFF			917 DC CL48'LXDB F +Nmax'							
00005660	/FFFFFFF FFFFFFF	00000014	00000001	918 DC XL16'7FFFFFFFFFFFFFFF0000000000000000000000							
		00000014	00000001	920 *							
				921 *							
		000058C0	00000001	922 LBFPFOF_GOOD EQU *							
000058C0	D3E7C4C2 D961D3E7			923 DC CL48'LXDBR/LXDB F -Nmax/-Dmax FPCR'							
000058F0				924 DC XL16'000000000000000000000000000000000000							
00005900	D3E7C4C2 D961D3E7			925 DC CL48'LXDBR/LXDB F -Dmin/-0.1(RM) FPCR'							
00005930 00005940				926 DC XL16'000000000000000000000000000000000000	CD'						
00005970				928 DC XL16'000000000000000000000000000000000000	CIN						
	D3E7C4C2 D961D3E7			929 DC CL48'LXDBR/LXDB F +0.1(RP/+Dmin FPCR'							
000059B0				930 DC XL16'000000000000000000000000000000000000							
000059C0				931 DC CL48'LXDBR/LXDB F +Dmax/+Nmax FPCR'							
000059F0	00000000 00000000			932 DC XL16'000000000000000000000000000000000000							
		00000005	00000001	933 LBFPFOF_NUM EQU (*-LBFPFOF_GOOD)/64 934 *							
				935 *							
		00005A00	00000001	936 XBFPNFOT GOOD EQU *							
00005A00	D3E7C5C2 D940D5C6			937 DC CL48'LXEBR NF -inf NT'							
00005A30				938 DC XL16'FFFF000000000000000000000000000000000							
00005A40	D3E7C5C2 D940D5C6			939 DC CL48'LXEBR NF -inf TR'							
00005A70				940 DC XL16'FFFF000000000000000000000000000000000							
00005A80 00005AB0				941 DC CL48'LDER NF -inf NT' 942 DC XL16'FFFF000000000000000000000000000000000							
00005AC0	D3C4C5D9 40D5C640			943 DC CL48'LDER NF -inf TR'							
00005AE0				944 DC XL16'FFFF000000000000000000000000000000000							
00005B00	D3E7C5C2 D940D5C6			945 DC CL48'LXEBR NF -1.0 NT'							
	BFFF0000 00000000			946 DC XL16'BFFF0000000000000000000000000000000000							
	D3E7C5C2 D940D5C6			947 DC CL48'LXEBR NF -1.0 TR'							
	BFFF0000 00000000 D3C4C5D9 40D5C640			948 DC XL16'BFFF0000000000000000000000000000000000							
00005BB0				950 DC XL16'BFFF0000000000000000000000000000000000							
	D3C4C5D9 40D5C640			951 DC CL48'LDER NF -1.0 TR'							
	BFFF0000 00000000			952 DC XL16'BFFF0000000000000000000000000000000000							
	D3E7C5C2 D940D5C6			953 DC CL48'LXEBR NF -0.0 NT'							
	80000000 00000000			954 DC XL16'8000000000000000000000000000000000000							
	D3E7C5C2 D940D5C6 80000000 00000000			955 DC CL48'LXEBR NF -0.0 TR' 956 DC XL16'8000000000000000000000000000000000000							
	D3E7C5D9 40D5C640			957 DC CL48'LXER NF -0.0 NT'							
	80000000 00000000			958 DC XL16'8000000000000000000000000000000000000							
	D3E7C5D9 40D5C640			959 DC CL48'LXER NF -0.0 TR'							
	8000000 0000000			960 DC XL16'8000000000000000000000000000000000000							
	D3E7C5C2 D940D5C6			961 DC CL48'LXEBR NF +0.0 NT'							
00005D30				962 DC XL16'000000000000000000000000000000000000							
	D3E7C5C2 D940D5C6 00000000 00000000			963 DC CL48'LXEBR NF +0.0 TR' 964 DC XL16'000000000000000000000000000000000000							
	D3E7C5D9 40D5C640			965 DC CL48'LXER NF +0.0 NT'							
00005DB0				966 DC XL16'000000000000000000000000000000000000							
00005DC0	D3E7C5D9 40D5C640			967 DC CL48'LXER NF +0.0 TR'							
	00000000 00000000			968 DC XL16'000000000000000000000000000000000000							
00005E00	D3E7C5C2 D940D5C6			969 DC CL48'LXEBR NF +1.0 NT'							

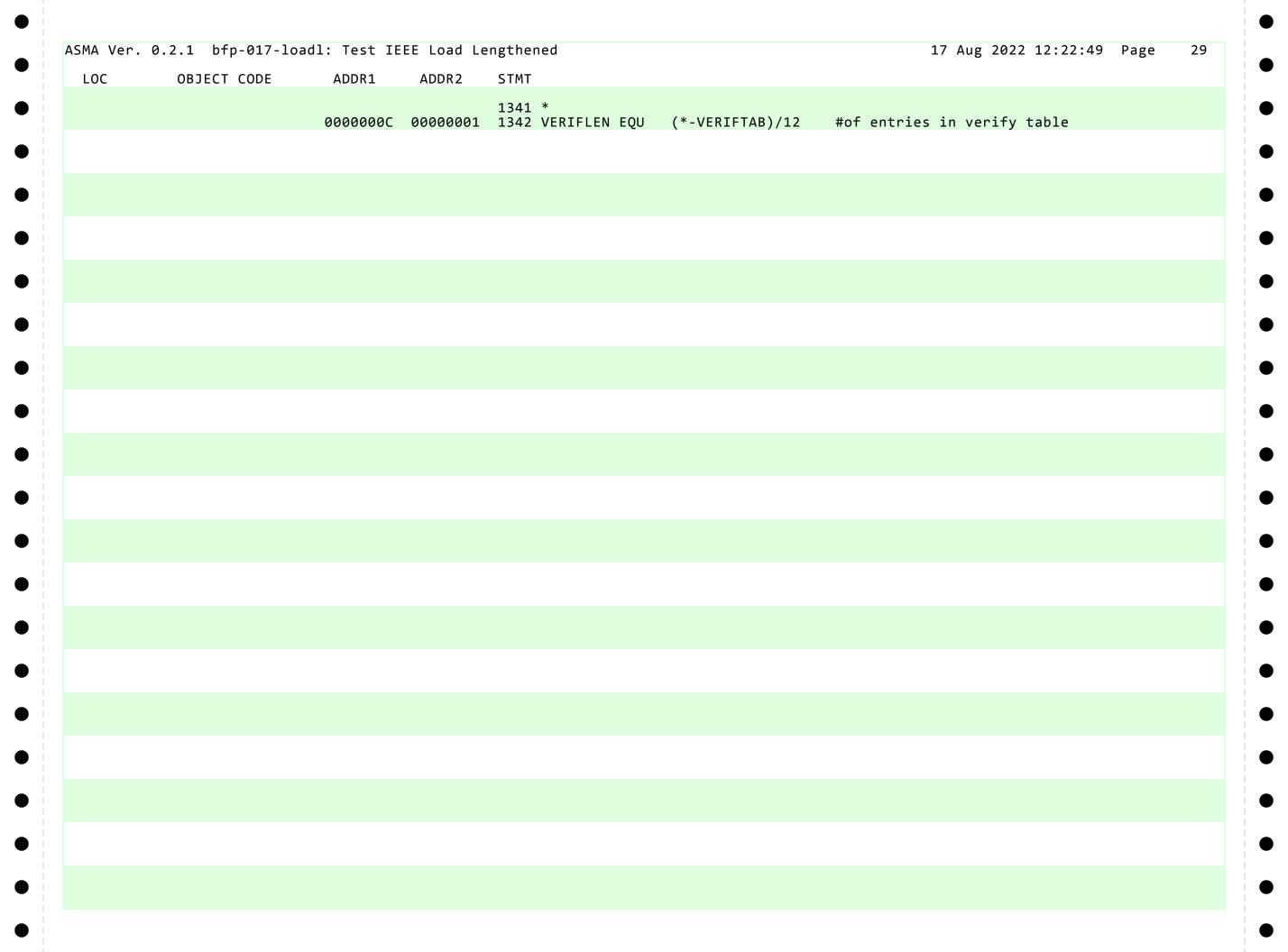
	0.2.1 bfp-017-load			J	ned	17 Aug 2022 12:22:49	Page	21
LOC	OBJECT CODE	ADDR1	ADDR2	STMT				
0005E30	3FFF0000 00000000			970				
0005E40	D3E7C5C2 D940D5C6				DC CL48'LXEBR NF +1.0 TR'			
0005E70 0005E80	3FFF0000 00000000 D3E7C5D9 40D5C640			972 973				
0005EB0	3FFF0000 00000000			974				
0005EC0	D3E7C5D9 40D5C640			975	DC CL48'LXER NF +1.0 TR'			
	3FFF0000 00000000			976				
0005F00	D3E7C5C2 D940D5C6			977				
	7FFF0000 00000000			978				
0005F40 0005F70	D3E7C5C2 D940D5C6 7FFF0000 00000000			979 980	DC CL48'LXEBR NF -inf TR' DC XL16'7FFF0000000000000000000000000000000000			
0005F80	D3E7C5D9 40D5C640				DC CL48'LXER NF -inf NT'			
	7FFF0000 00000000				DC XL16'7FFF00000000000000000000000000000000			
0005FC0	D3E7C5D9 40D5C640			983				
0005FF0	7FFF0000 00000000			984				
0006000	D3E7C5C2 D940D5C6			985	•			
0006030	7FFF8200 00000000			986				
0006040	D3E7C5C2 D940D5C6 7FFF8200 00000000			987 988	DC CL48'LXEBR NF QNaN TR' DC XL16'7FFF820000000000000000000000000000000000			
0006070	D3E7C5D9 40D5C640			989	DC CL48'LXER NF QNaN NT'			
00060B0	7FFF8200 00000000			990				
00060C0	D3E7C5D9 40D5C640			991				
00060F0	7FFF8200 00000000			992	DC XL16'7FFF8200000000000000000000000000000000			
0006100	D3E7C5C2 D940D5C6			993	DC CL48'LXEBR NF SNaN NT'			
0006130	7FFF8400 00000000			994				
0006140	D3E7C5C2 D940D5C6 00000000 00000000			995 996				
0000170	D3E7C5D9 40D5C640			997				
00061B0	7FFF8400 00000000			998				
00061C0	D3E7C5D9 40D5C640			999	DC CL48'LXER NF SNaN TR'			
00061F0	00000000 00000000				DC XL16'000000000000000000000000000000000000			
		00000020	00000001		XBFPNFOT_NUM EQU (*-XBFPNFOT_GOOD)/64			
				1002 1003				
		00006200	00000001		XBFPNFFL GOOD EQU *			
0006200	D3E7C5C2 D940D5C6	0000200	5555551		DC CL48'LXEBR NF -inf FPCR'			
0006230	00000000 F8000000			1006	DC XL16'0000000F80000000000000F8000000'			
0006240	D3E7C5D9 40D5C640				DC CL48'LXER NF -1.0 FPCR'			
0006270	00000000 F8000000				DC XL16'00000000F80000000000000F8000000'			
0006280 00062B0	D3E7C5C2 D940D5C6 00000000 F8000000				DC CL48'LXEBR NF -0.0 FPCR' DC XL16'0000000F80000000000000F8000000'			
00062B0	D3E7C5D9 40D5C640				DC CL48'LXER NF +0.0 FPCR'			
00062F0	00000000 F8000000				DC XL16'0000000F80000000000000F8000000'			
0006300	D3E7C5C2 D940D5C6				DC CL48'LXEBR NF +1.0 FPCR'			
0006330	00000000 F8000000				DC XL16'0000000F80000000000000F8000000'			
0006340	D3E7C5D9 40D5C640				DC CL48'LXER NF -inf FPCR'			
0006370	00000000 F8000000				DC XL16'0000000F80000000000000F8000000'			
0006380 00063B0	D3E7C5C2 D940D5C6 00000000 F8000000				DC CL48'LXEBR NF QNaN FPCR' DC XL16'0000000F80000000000000F8000000'			
00063E0	D3E7C5D9 40D5C640				DC CL48'LXER NF SNaN FPCR'			
00003E0	00800000 F8008000				DC XL16'00800000F800800000800000F8008000'			
-		00000008	00000001		XBFPNFFL_NUM EQU (*-XBFPNFFL_GOOD)/64			
				1022				
		00006400	0000001	1023				
0006400	D3E7C5C2 D040C640	00006400	00000001		XBFPFOT_GOOD EQU * DC CL48'LXEBR F -Nmax'			
000400	D3E7C5C2 D940C640			1072	DC CL40 LAEDN F - WIIIdX			

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LOC	OBJECT CODE	ADDR1	ADDR2	STMT			
006430	C07EFFFF FE000000			1026 DC XL16'C07EFFFFFE00000000000000000000	900'		
	D3E7C5C2 40C64040			1027 DC CL48'LXEB F -Nmax'			
	C07EFFFF FE000000			1028 DC XL16'C07EFFFFE000000000000000000000	000'		
006480	D3E7C5C2 D940C640			1029 DC CL48'LXEBR F -Dmax'			
	BF803FFF FC000000			1030 DC XL16'BF803FFFFC0000000000000000000000000000000	000'		
	D3E7C5C2 40C64040			1031 DC CL48'LXEB F -Dmax'			
	BF803FFF FC000000			1032 DC XL16'BF803FFFFC000000000000000000000	000'		
	D3E7C5C2 D940C640			1033 DC CL48'LXEBR F -Dmin'			
	BF6A0000 00000000			1034 DC XL16'BF6A000000000000000000000000000000000000	000'		
	D3E7C5C2 40C64040			1035 DC CL48'LXEB F -Dmin'			
	BF6A0000 00000000			1036 DC XL16'BF6A000000000000000000000000000000000000	000'		
	D3E7C5C2 D940C640			1037 DC CL48'LXEBR F -0.1(RM)'			
	BFFB9999 9A000000			1038 DC XL16'BFFB99999A000000000000000000000000000000	000'		
	D3E7C5C2 40C64040			1039 DC CL48'LXEB F -0.1(RM)'			
	BFFB9999 9A000000			1040 DC XL16'BFFB99999A000000000000000000000000000000	000'		
	D3E7C5C2 D940C640			1041 DC CL48 LXEBR F -0.1(RZ)'	_		
	BFFB9999 98000000			1042 DC XL16'BFFB999980000000000000000000000000000000	000'		
	D3E7C5C2 40C64040			1043 DC CL48'LXEB F -0.1(RZ)'			
	BFFB9999 98000000			1044 DC XL16'BFFB999980000000000000000000000000000000	000'		
	D3E7C5C2 D940C640			1045 DC CL48 LXEBR F +0.1(RZ)'			
	3FFB9999 98000000			1046 DC XL16'3FFB9999980000000000000000000000000000000	000'		
	D3E7C5C2 40C64040			1047 DC CL48 LXEB F +0.1(RZ)'	<u>.</u>		
	3FFB9999 98000000			1048 DC XL16'3FFB9999980000000000000000000000000000000	000'		
	D3E7C5C2 D940C640			1049 DC CL48'LXEBR F +0.1(RP)'	•		
	3FFB9999 9A000000			1050 DC XL16'3FFB9999A00000000000000000000	000'		
	D3E7C5C2 40C64040			1051 DC CL48'LXEB F +0.1(RP)'			
	3FFB9999 9A000000			1052 DC XL16'3FFB9999A0000000000000000000	900.		
	D3E7C5C2 D940C640			1053 DC CL48'LXEBR F +Dmin'	0001		
	3F6A0000 00000000			1054 DC XL16'3F6A000000000000000000000000000000000000	900.		
	D3E7C5C2 40C64040			1055 DC CL48'LXEB F +Dmin'	0001		
	3F6A0000 00000000			1056 DC XL16'3F6A000000000000000000000000000000000000	900.		
	D3E7C5C2 D940C640			1057 DC CL48'LXEBR F +Dmax'	0001		
	3F803FFF FC000000			1058 DC XL16'3F803FFFFC000000000000000000000000000000	900.		
	D3E7C5C2 40C64040			1059 DC CL48'LXEB F +Dmax'	0001		
	3F803FFF FC000000			1060 DC XL16'3F803FFFFC000000000000000000000000000000	900		
	D3E7C5C2 D940C640			1061 DC CL48'LXEBR F +Nmax'	2001		
	407EFFFF FE000000			1062 DC XL16'407EFFFFE0000000000000000000000000000000	000		
	D3E7C5C2 40C64040			1063 DC CL48'LXEB F +Nmax'	200'		
рыновги	407EFFFF FE000000	00000014	00000001	1064 DC XL16'407EFFFFFE000000000000000000000000000000	000		
		99999914	00000001	1065 XBFPFOT_NUM EQU (*-XBFPFOT_GOOD)/64 1066 *			
				1067 *			
		99996999	00000001	1068 XBFPFOF GOOD EQU *			
1996999	D3E7C5C2 D961D3E7	00000900	0000001	1069 DC CL48'LXEBR/LXEB F -Nmax/-Dmax FPCR	r		
	00000000 00000000			1070 DC XL16'000000000000000000000000000000000000			
	D3E7C5C2 D961D3E7			1071 DC CL48'LXEBR/LXEB F -Dmin/-0.1(RM) FI			
	00000000 00000000			1071 DC CL48 LXEBR/LXEB F -DMIII/-0.1(RM) FI			
	D3E7C5C2 D961D3E7			1073 DC CL48'LXEBR/LXEB F -0.1(RZ)/+0.1(RZ			
	00000000 00000000			1074 DC XL16'000000000000000000000000000000000000			
	D3E7C5C2 D961D3E7			1075 DC CL48'LXEBR/LXEB F +0.1(RP/+Dmin FP)			
	00000000 00000000			1076 DC XL16'000000000000000000000000000000000000			
	D3E7C5C2 D961D3E7			1077 DC CL48'LXEBR/LXEB F +Dmax/+Nmax FPCR			
	00000000 00000000			1077 DC CL48 LXLBR/LXLB 1 +DIIIAX/+NIIIAX 1 FCR			
COUAJO	5555555	9999999	00000001	1079 XBFPFOF NUM EQU (*-XBFPFOF GOOD)/64			
			3333333	ADILION HOLLEYO (ADILION GOOD // OT			

ASMA Ver.	0.2.1 bfp-01	7-loadl: Test IE	EE Load Le	ngthened			17 Aug 2022 12:22:49 Page 2
LOC	OBJECT CODI	ADDR1	ADDR2	STMT			
				1122 *		VERIFICATI	**************************************
0006AE0				1125 VERISUB	DS	ØН	
DOODGALO				1126 * 1127 ** 1128 *		through the VERIF	Y TABLE
00006AE0 00006AE4 00006AE8	4110 C32C 4120 000C		00006D6C 0000000C	1130 1131 1132	LA LA BASR	R1,VERIFTAB R2,VERIFLEN R3,0	R1> Verify table R2 <== Number of entries Set top of loop
00006AEA	9846 1000		00000000	1134		·	
0006AEE	4D70 C0C2 4110 100C		00000000 00006B02 0000000C	1135	LM BAS LA BCTR	R1,12(,R1)	Load verify table values Verify results Next verify table entry Loop through verify table
00006AF8	9500 C278 078D 47F0 F238		00006CB8	1140	CLI BER B	FAILFLAG,X'00' R13 FAIL	Did all tests verify okay? Yes, return to caller No, load FAILURE disabled wait PSW
70000ATE	4710 1230		00000230	11-11	D .	1711	No, Todd PATEONE disabled wait 15W
				1143 * 1144 **	Loop	through the ACTUA	L / EXPECTED results
				1145 *			
0006B02	0D80			1147 VERIFY	BASR	R8,0	Set top of loop
0006B0A	D50F 4000 5030 4770 C0DA	00000000	00000030 00006B1A	1150	CLC BNE	0(16,R4),48(R5) VERIFAIL	Actual results == Expected results? No, show failure
	4140 4010 4150 5040 0668			1151 VERINEXT 1152 1153	LA LA BCTR	R4,16(,R4) R5,64(,R5) R6,R8	Next actual result Next expected result Loop through results
00006B18	07F7			1155	BR	R7	Return to caller

1.5144 1/							47.4. 2000 40.00 40.00
ASMA Ver.	0.2.1 bfp-017-load	II: lest lE	EE Load Le	ngthened			17 Aug 2022 12:22:49 Page 27
LOC	OBJECT CODE	ADDR1	ADDR2	STMT			
				1253 *	Issue	HERCULES MESSAGE point	**************************************
00006CBA 00006CBE	4900 C3BC 07D2		00006DFC	1256 MSG 1257	CH BNHR	R0,=H'0' R2	Do we even HAVE a message? No, ignore
00006CC0	9002 C2B0		00006CF0	1259	STM	R0,R2,MSGSAVE	Save registers
	4900 C3BE 47D0 C290 4100 005F		00006DFE 00006CD0 0000005F	1261 1262 1263	CH BNH LA	R0,=AL2(L'MSGMSG) MSGOK R0,L'MSGMSG	Message length within limits? Yes, continue No, set to maximum
00006CD2	1820 0620 4420 C2BC		00006CFC	1265 MSGOK 1266 1267	LR BCTR EX	R2,R0 R2,0 R2,MSGMVC	Copy length to work register Minus-1 for execute Copy message to O/P buffer
00006CD8 00006CDC	4120 200A 4110 C2C2		0000000A 00006D02	1269 1270	LA LA	R2,1+L'MSGCMD(,R2) R1,MSGCMD	Calculate true command length Point to true command
	83120008 4780 C2AA 0000		00006CEA	1272 1273 1274	DC BZ DC	X'83',X'12',X'0008' MSGRET H'0'	Issue Hercules Diagnose X'008' Return if successful CRASH for debugging purposes
00006CEA 00006CEE	9802 C2B0 07F2		00006CF0	1276 MSGRET 1277	LM BR	R0,R2,MSGSAVE R2	Restore registers Return to caller
00006CF0 00006CFC	00000000 00000000 D200 C2CB 1000	00006D0B	00000000	1279 MSGSAVE 1280 MSGMVC	DC MVC	3F'0' MSGMSG(0),0(R1)	Registers save area Executed instruction
00006D02 00006D0B	D4E2C7D5 D6C8405C 40404040 40404040			1282 MSGCMD 1283 MSGMSG	DC DC	C'MSGNOH * ' CL95' '	*** HERCULES MESSAGE COMMAND *** The message text to be displayed

	0.2.1 bfp-017-loa	auı. TESL I	ccc Lodu L	engthenea		17 Aug 2022 12:22:49 Page
LOC	OBJECT CODE	ADDR1	ADDR2	STMT		
				1285 ****	******	****************
				1286 *		VERIFY TABLE
					******	******************
				1288 *		
				1289 *	A(ac	tual results), A(expected results), A(#of results)
				1290 *	a ala ala ala ala ala ala ala ala	
				1291 *****	:*****	******************
006D6C				1293 VERIF	TAB DC	0F'0'
9006D6C	00001000			1294	DC	A(SBFPNFOT)
9006D70	00004000			1295	DC	A(SBFPNFOT_GOOD)
0006D74	00000010			1296	DC	A(SBFPNFOT_NUM)
				1297 *		
0006D78	00001100			1298	DC	A(SBFPNFFL)
006D7C	00004400			1299	DC	A(SBFPNFFL_GOOD)
006D80	00000008			1300	DC	A(SBFPNFFL_NUM)
0000004	00001300			1301 *	D.C.	A/CDEDECT)
0006D84	00001200			1302	DC	A(SBFPFOT)
0006D88	00004600			1303	DC	A(SBFPFOT_GOOD)
9006D8C	0000000A			1304 1305 *	DC	A(SBFPFOT_NUM)
2006000	00001200				DC	A/CDEDEGE\
0006D90 0006D94	00001300 00004880			1306 1307	DC DC	A(SBFPFOF)
0006D94	00004880			1308	DC	A(SBFPFOF_GOOD) A(SBFPFOF_NUM)
06000098	00000003			1309 *	DC	A(SBFFFOF_NON)
0006D9C	00002000			1310	DC	A(LBFPNFOT)
0006DA0	00002000 000049C0			1311	DC	A(LBFPNFOT GOOD)
0000DA0	00004320			1312	DC	A(LBFPNFOT_NUM)
JUUUDAT	00000020			1313 *	DC	A(LBITNIOI_NOII)
0006DA8	00002200			1314	DC	A(LBFPNFFL)
0006DAC	000051C0			1315	DC	A(LBFPNFFL GOOD)
0006DB0	00000008			1316	DC	A(LBFPNFFL NUM)
000000	0000000			1317 *	50	//(2511 MT 2_No11)
0006DB4	00002300			1318	DC	A(LBFPFOT)
0006DB8	000053C0			1319	DC	A(LBFPFOT GOOD)
0006DBC	00000014			1320	DC	A(LBFPFOT NUM)
				1321 *		· _ /
0006DC0	00002500			1322	DC	A(LBFPFOF)
0006DC4	000058C0			1323	DC	A(LBFPFOF_GOOD)
0006DC8	00000005			1324	DC	A(LBFPFOF_NUM)
				1325 *		·
006DCC	00003000			1326	DC	A(XBFPNFOT)
006DD0	00005A00			1327	DC	A(XBFPNFOT_GOOD)
006DD4	00000020			1328	DC	A(XBFPNFOT_NUM)
				1329 *	_	. (
006DD8	00003200			1330	DC	A(XBFPNFFL)
006DDC	00006200			1331	DC	A(XBFPNFFL_GOOD)
006DE0	00000008			1332	DC	A(XBFPNFFL_NUM)
00000	00003300			1333 *	D .C	A (VREDECT)
006DE4	00003300			1334	DC	A(XBFPFOT)
006DE8	00006400			1335	DC	A(XBFPFOT_GOOD)
006DEC	00000014			1336	DC	A(XBFPFOT_NUM)
AGGEDEG	00002500			1337 *	DC	A/VDEDEGE)
006DF0 006DF4	00003500			1338	DC	A(XBFPFOF)
006DF4 006DF8	00006900 00000005			1339 1340	DC DC	A(XBFPFOF_GOOD) A(XBFPFOF_NUM)
סאסטרס	COOODOO			1340	טכ	A(ADI PEOP_NON)



MA Ver.	0.2.1 bfp-017-lo	adl: Test I	EEE Load L	.engthened			17 Aug 2022 12:22:49	Page	30
LOC	OBJECT CODE	ADDR1	ADDR2	STMT					
006DFC	0000			1344 1345	END	=H'0'			
06DFE 06E00	005F E68195A3 7A40 C796A37A 4040			1346 1347 1348		=AL2(L'MSGMSG) =CL6'Want: ' =CL6'Got: '			
00100	C/J0AJ/A 4040			1346		-010 dot.			

	•		Test IEE		_									i, Aug	2022	12:22:	49 Pa	ge 3
SYMBOL	TYPE	VALUE	LENGTH	DEFN	REFER	ENCES												
ACTUAL	F	006C8C	4	1246	1173	1208												
EXPECT	F	006C88	4	1245	1175	1180												
HELPERS	A	00027C	4	187	177	219												
FPLDLEN	J	000000	28172	103														
LANKEQ	C	006C5E	3	1242	1181	1209												
HARHEX	C	006CA8	16	1248	1249													
ΓLR0	F	0002F0	4	229	196	197	198											
\IL	I	000238	4	185	1141													
AILADR	C	006C56	8	1241	1180	1182	1208	1210										
AILDESC	C	006C20	48	1237	1166													
AILFLAG	Χ	006CB8	1	1250	1139	1162												
AILMSG1	C	006C0C	68	1235	1167	1168												
AILMSG2	C	006C50	53	1239	1200	1201	1228	1229										
AILPSW	Χ	0002E0	8	227	185													
AILVALS	С	006C61	36	1243	1184	1185	1186	1188	1189	1190	1192	1193	1194	1196	1197	1198	1212	1213
					1214	1216	1217	1218	1220	1221	1222	1224	1225	1226				
PCREGNT	Χ	0002F4	4	230	295	306	352	357	388	401	446	452	483	496	541	547		
PCREGTR	Χ	0002F8	4	231	300	311	394	407	489	502								
PR0	Ü	000000	1	124														
PR1	Ü	000001	1	125	296	297	301	302	303	307	308	312	313	314	353	354	358	359
					360	389	390	395	396	397	402	403	408	409	410	447	448	453
					454 549	484	485	490	491	492	497	498	503	504	505	542	543	548
PR10	U	A00000	1	134	777													
PR11	Ü	00000R	ī	135														
PR12	Ü	00000C	1	136														
PR13	Ü	00000D	1	137														
PR14	Ü	00000E	1	138														
PR15	Ü	00000E	1	139														
PR2	Ü	000001	1	126														
PR3	IJ	000002	1	127	391	398	404	411	449	455	486	493	499	506	544	550		
PR4	•	000003	1	128	331	330	404	411	443	433	400	433	433	200	344	330		
	U		_															
PR5	U	000005	1	129														
PR6	U	000006	1	130														
PR7	U	000007	1	131	204	206	202	250	252	207	200	206	445	447	400	404	401	F 40
PR8	U	000008	1	132	294 542	296	302	350	353	387	389	396	445	447	482	484	491	540
PR9	U	000009	1	133	222													
OODPSW	X	0002D0	8	226	223	. . –												
ELPERS	Н	006A40	2	1081	142	187												
EXTRTAB	U	006BB8	16	1249	1090 1226	1094	1098	1102	1106	1182	1186	1190	1194	1198	1210	1214	1218	1222
MAGE	1	000000	28172	0														
BFPFCT	U	A00000	1	645	258													
BFPFIN	F	000630	4	634	645	259												
BFPFOF	U	002500	1	674	261	1322												
BFPFOF_GOOD	U	0058C0	1	922	933	1323												
BFPFOF_NUM	U	000005	1	933	1324													
BFPFOT _	U	002300	1	672	260	1318												
	U	0053C0	1	878	919	1319												
BELEOI GOOD	Ü	000014	1	919	1320													
BFPFOT_GOOD BFPFOT NUM	-		1	623	252													
BFPFOT_NUM	U	ชยยยย	1	U Z)														
BFPFOT_NUM BFPNFCT	U IJ	000008 002200	1			1314												
BFPFOT_NUM BFPNFCT BFPNFFL	U U II	002200	1	670	255	1314 1315												
BFPFOT_NUM BFPNFCT	U U U		1 1 1			1314 1315												

SYMBOL	TYPE	VALUE	LENGTH	DEFN	REFER	ENCES												
SFPNFOT	U	002000	1	668	254	1310												
SFPNFOT_GOOD	U	0049C0	1	790	855	1311												
FPNFOT_NUM	U	000020	1	855	1312													
EBRF	I	0003CA	4	344	203													
EBRNF	Н	00035C	2	287	201													
NGF	F	00032C	4	257	207													
NGNF	F	00031C	4	251	205													
DBRF	T	000310	4	439	208													
DBRNF	Ť	000430	4	381	206													
	±																	
(EBRF		00055A	4	534	213													
KEBRNF	1	0004DC	4	476	211													
SG .	I	006CBA	4	1256	1110	1169	1202	1230										
SGCMD	C	006D02	9	1282	1269	1270												
SGMSG	C	006D0B	95	1283	1263	1280	1261											
SGMVC	I	006CFC	6	1280	1267													
SGOK	I	006CD0	2	1265	1262													
SGRET	Ť	006CEA	4	1276	1273													
SGSAVE	F	006CF0	4	1279	1259	1276												
	-		4															
CINTCD	H	00008E	2	155	172	1088												
CNOTDTA	1	00020C	4	176	173	4000	4005	4400	4454									
COLDPSW	U	000150	1	157	174	1092	1096	1100	1104									
GMCK	Н	006A40	2	1087	178													
GMCOMMA	C	006AB6	1	1117	1089													
SMPSW	С	006ABC	36	1119	1092	1093	1094	1096	1097	1098	1100	1101	1102	1104	1105	1106		
ROGCHK	H	000200	2	171	163													
ROGCODE		006AB2	4	1116	1088	1090												
ROGMSG	Č	006A9E	66	1114	1108	1109												
	C					1103												
ROGPSW	D	000228	8	184	183	470	100	100	1100		4467	1200	4220	4000	4256	4250	1261	4262
9	U	000000	1	105	176	179	196	198	1108	1191	1167	1200	1228	1232	1256	1259	1261	1263
					1265	1276												
L	U	000001	1	106	1109	1130	1134	1136	1168	1201	1229	1270	1280					
LØ	U	00000A	1	115	200	202	205	207	210	212	288	289	344	345	381	382	439	440
					476	477	534	535										
l1	U	00000B	1	116														
12	Ü	00000C	1	117	142	177	219	292	320	348	366	385	417	443	461	480	512	538
	U	000000			556	Δ//	210	2,72	320	540	500	505	71/	773	701	700	712	330
12	- 11	000000	1	110		201	202	200	200	211	212	220	201	221	247	267	204	/110
13	U	00000D	1	118	178	201	203	206	208	211	213	220	291	321	347	367	384	418
		00000			442	462	479	513	537	55/	1112	1140						
L4	U	00000E	1	119	181	182	221	222										
15	U	00000F	1	120	141	176	179											
2	U	000002	1	107	288	290	320	344	346	366	381	383	417	439	441	461	476	478
					512	534	536	556	1110	1131	1137	1169	1202	1230	1257	1259	1265	1266
					1267	1269	1276	1277				-						
3	U	000003	1	108	288	294	307	313	317	344	350	359	363	381	387	402	409	414
	0	000000		100	439	445	453	458	476	482	497	504	509	534	540	548	553	1132
						440	400	470	4/0	+02	477	204	203	J J 4	740	7+0		1172
1		000004	4	100	1137	1140	1151	1177	1212	1216	1220	1224						
1	U	000004	1	109	1134	1149	1151	1173	1212	1216	1220	1224		4.4.4.	465			
5	U	000005	1	110	1149	1152	1161	1166	1174	1175	1184	1188	1192	1196	1232			
5	U	000006	1	111	1134	1153												
7	U	000007	1	112	289	297	303	308	314	318	345	354	360	364	382	390	391	397
					398	403	404	410	411	415	440	448	449	454	455	459	477	485
					486	492	493	498	499	505	506	510	535	543	544	549	550	554
					1135	1155	777	770	777	505	500	210		777	277	J T J	220	J J T
3		000000	1	112			204	200	215	210	245	255	261	265	202	202	200	405
•	U	000008	1	113	289	298	304	309	315	319	345	355	361	365	382	392	399	405
					412	416	440	450	456	460	477	487	494	500	507	511	535	545

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defined macros		

