Mode: All

Right file: D:\Source\github\CSS422_Hardware\D	)isass	sem	bler∖Oι	ıtput.	txt	
00001000 Starting Address				<>		
Assembler used: EASy68K Editor/Asser	nble	r١	/5.16			
» .01						
Created On: 12/2/2019 7:22:44 PM						
		de				
0000000	1	Α:				
» ====================================	====	===	====			
» ====================================	====	===				
» ========						
0000000	2	*	Titl			
» e : Disassembler	_		1101			
	_	de				
0000000	3	•	Writ			
» ten by : CSS 422 Best Group						
0000000	4	*				
<b>»</b>						
0000000	5	*	Th			
» e CSS 422 Best Group is:			• • • • • • • • • • • • • • • • • • • •			
·	_	*				
0000000	6	Τ.				
» - Howie Catlin						
0000000	7	*				
» - Kyle Dukart						
0000000	8	*				
» - Colton Sellers	_					
00000000	9	*				
			B			
0000000	10	•	Date			
» : 01-Dec-2019						
0000000	11	*				
0000000	12	*	Desc			
<pre>» ription:</pre>						
0000000	13	*	Th			
<pre>» is code contains a method for you</pre>	to	1156	wit			
<pre>» h your Disassembler project IO, a</pre>						
	iiu a	31	101 C			
» demo of						
0000000	14	*	ho			
» w to call this method in the body	of	the	e "ST			
» ART" code.						
0000000	15	*=				
» ====================================		===				
» ====================================						
» ====================================						
0000000	16	*	Hint			
» s and Tips:						
0000000	17	*	- F			
<pre>» ollow the code commenting convent:</pre>	ion	her	re fo			
» r file & method headers						
00000000	18	*	-D			
			-0			
<pre>» on't rename this file name (Main.)</pre>			_			
0000000	19	*	-D			
<pre>» on't reorg the start address (\$10</pre>	90)					
0000000	20	*	-D			
» on't rename or edit the IO method	I'v	e r	rovi			
» ded you with here	·					
00000000	21	*	D			
0000000	21		-D			

(continued)		
» on't rename the config.cfg file o	r change	th
<pre>» e file format:</pre>		
0000000	22 *	<
<pre>» Long_StartAddress&gt;\CR\LF</pre>		
00000000	23 *	<
<pre>» Long_EndAddress&gt;\CR\LF<eof></eof></pre>		
00000000	24 *	
»		
»		
00001000	25	OR
<pre>» G \$1000 *Don't change this;</pre>	see hin	ts
<pre>» and tips above</pre>		
00001000	26 *	
»		
»		
00001000	27	
00001000	28	IN
<pre>» CLUDE 'Disassembler_Setup.X68</pre>	1	
00001000	29	
00001000	30	
00001000	31	
00001000	32	;
» Configure the stack to exist (cur		aul
» t: \$0070000)		
00001000 4FF9 00070000	33	LE
» A STACK_LOCATION, SP		
00001006	34	
00001006	35	
00001006	36	;
<pre>» Read in from config.cfg</pre>		,
00001006 43F9 000021EF	37	LE
» A inFile, A1 ;in fi		
0000100C 303C 0033	38	мо
	in file	110
· ·	39	TR
» AP #15		110
00001012	40	
00001012	41	;s
» etup for Read	71	, 5
00001012 343C 0008	42	мо
		NO
		MO
00001016 303C 0035	43	MO
» VE #53,D0	;read f	i.Oiii
» file	4.4	
0000101A	44	
0000101A	45	;
<pre>» Read &amp; store begin address in BEG</pre>	TN_ADDKE	22
» STR	4.6	
0000101A 43F9 000021FA	46	LE
» A BEGIN_ADDRESS_STR, A1	4-	
00001020 4E4F	47	TR
» AP #15		

00001000	LEA		\$00070000,	A <b>7</b>
00001006	LEA		\$000021EF,	A1
0000100C	MOVE.W	#\$0033,	D0	
00001010	JSR		A7	
00001012	MOVE.W	<b>#\$0008</b> ,	D2	
00001016	MOVE.W	# <mark>\$003</mark> 5,	D0	
0000101A	LEA		\$000021FA,	A1
00001020	JSR		A <b>7</b>	
			Beyond Compare	v4.2.10

(continued)							
00001022					48		
00001022					49		;
» Convert t	he begin	ning	addres	s to	HEX	and :	sto
» re the va	lue in A	3					
00001022 4	EB9 00002	2174			50		JS
» R	AsciiTo	lex					
00001028 2	647				51		МО
» VE.L	D7, A3						
0000102A	,				52		
0000102A					53		:
» Move File	position	ı to ı	where '	the r		line	sh
» ould be	P						
0000102A 3	43C 000A				54		МО
» VE	#10,D2						0
0000102E 3	-				55		МО
» VE	#55,D0						
00001032 4	-				56		TR
» AP	#15				50		110
00001034	π13				57		
00001034					58		. c
	Pond nan	in			20		;5
<pre>» etup for 00001034 3</pre>		LII			59		МО
	#8, D2		•# b	vtoc			MO
% VE 00001038 3			,۳ ۵	ytes	60	eau	МО
						مما ہ	
» vc » file	#5 <mark>3</mark> ,D0				۱۰۰ ز	ead f	·OIII
0000103C					61		
0000103C					62		
» Read & st	one and	nddno	cc in	END /		cc	;
			22 III	END_F		:33	1.5
0000103C 4			CTD A	1	63		LE
» A	END_ADDI	(EDD_	SIK, A	_	<i>C</i> 1		TD
00001042 4					64		TR
» AP	#15				c F		
00001044					65 66		
00001044	ماموم مما	4 4	- 4- h				ز د. :
» Convert t	ne end ad	ures	s to n	ex ar	ia st	.ore	τn
» A4 00001044 4	EBO GGGG	0174			67		JS
	AsciiTo				67		13
" N 0000104A 2		iex			60		МО
					68		MO
	D7, A4				<b>CO</b>		
0000104C					69		
0000104C					70		;
» Clear Cur		_	engtn		74		
0000104C 4			LENGT		71		LE
» A	CURRENT_	_STR_	LENGIH	, A1			61
00001052 4					72		CL
» R.B	(A1)						
00001054					73		
00001054					74		
00001054					75		
00001054					76		

00001022	JSR	<b>\$</b> 00002174
00001028	MOVEA.L D7, A	3
0000102A	MOVE.W #\$000	A, D2
0000102E	MOVE.W #\$003	<b>7</b> , D0
00001032	JSR	<b>A</b> 7
20004.224	MOVE II IIdooo	0 00
00001034	MOVE.W #\$000	8, D2
00001038	MOVE.W #\$003	5, D0
0000103C	LEA	\$00002202, A1
00001042	JSR	А7
00001044	JSR	<mark>\$</mark> 00002174
0000104A	MOVEA.L D7, A	4
0000104C	LEA	\$0000220A, A1
00001052	NEG.B (A1)	

00001054	77	
00001054		
" CHA THETAGE		
»		
00001054	79	
00001054	80	
00001054	81	MAIN_L
» OOP:		
00001054	82	;
<pre>» Append String with address</pre>		
00001054 2C0B	83	МО
» VE.L A3, D6		
00001056 4EB9 000020C4	<mark>8</mark> 4	JS
» R PrintASCIILong		
0000105C 4286	85	CL
» R.L D6		
0000105E	<b>8</b> 6	
0000105E 4EB9 00001072	87	JS
» R Get_Next_Word_D6	07	33
00001064	88	
		7.0
00001064 4EB9 00001084	89	JS
» R DisassembleOpcode ; disas	sembl	Le and
» print word in D6		
0000106A	90	
0000106A	91	;
» Compare current address to end add		
0000106A B7CC	92	CM
» P.L A4,A3 ; Are w	e dor	ne yet?
0000106C 6FE6	93	
» E MAIN_LOOP ; Branch	h if	less t
<pre>» han or equal too MAIN_LOOP</pre>		
0000106E	94	
0000106E	95	;
<pre>» end (print SIMHALT? close file?)</pre>		
0000106E	<mark>9</mark> 6	
0000106E FFFF FFFF	97	SI
» MHALT		
0000107 <mark>2</mark>	98	
00001072	99	*****
» ***********************	****	*****
» *********************		
00001072	100	* Meth
» od Name: Get Next Word D6		
	101	* Desc
<pre>» ription: This method collects the</pre>		
» at A3 and increments the pointer	HEAT	
· ·	102	*
» to the next word.	102	
	103	* Prec
» onditions: (A3) points to the cur	rent	adures
» s we are looking at	104	* D
00001072	104	* Post

00004054	MOVE	42	D.C		
00001054	MOVE.L	АЗ,	υ6		
00001056	JSR			\$000020C4	
0000105C 0000105E	NEG.L JSR	D6		<b>\$</b> 00001072	
00001064	JSR			\$00001084	
0000106 <mark>A</mark>	EOR.B	D3,	<b>A</b> 4		
0000106 <mark>C</mark>	DATA	CEEC	=		
0000106E	SIMHALT	OFEC	)		
00001070	SIMHALT				

0000107C

RTS

(cor	ntinu	ed)

```
» conditions: D6 contains the new word
» ************************
00001072
                                106 Get Ne
» xt_Word_D6:
00001072
                                107
» read word into D6 from current address
00001072 3C13
                                         MO
» VE.W
           (A3), D6
00001074
                                109
00001074
                                110
» Increment Address
00001074 544B
                                111
          #2,A3
                      * Increment pointer by
» two bytes
00001076
                                112
00001076 4E75
                                113
                                         RT
» S
00001078
                                114
00001078
                                115
00001078
                                116 * Meth
» od Name: Get_Next_Word_D7
00001078
                                117 * Desc
» ription: This method collects the next word
» at A3 and increments the pointer
00001078
                                118 *
       to the next word.
00001078
                                119 * Prec
» onditions: (A3) points to the current addres
» s we are looking at
00001078
                                120
                                     * Post
» conditions: D7 contains the new word
                                    *****
                                121
00001078
                                122 Get_Ne
» xt_Word_D7:
00001078
                                123
» read word into D7 from current address
00001078 3E13
                                         MO
» VE.W
           (A3), D7
0000107A
                                125
0000107A
                                126
» Increment Address
0000107A 544B
                                127
                                         AD
                      * Increment pointer by
          #2,A3
» two bytes
0000107C
                                128
                                129
0000107C 4E75
                                         RT
```

00001072	MOVE.W	(A3), D6
00001074	ADDQ.W	#2, A3
00001076	RTS	
00001078	MOVE.W	(A3), D7
0000107A	ADDQ.W	
		,

```
» S
0000107E
                                   130
0000107E
                                   131
» ***************************
0000107E
                                   132 * Meth
» od Name: Get_Next_Long_D7
                                   133 * Desc
0000107E
» ription: This method collects the next word
» at A3 and increments the pointer
0000107E
                                   134 *
        to the next word.
0000107E
                                   135 * Prec
» onditions: (A3) points to the current addres
» s we are looking at
0000107E
                                   136 * Post
» conditions: D7 contains the new word
                                   137
» ************************
0000107E
                                   138 Get Ne
» xt_Long_D7:
0000107E
                                   139
» read long into D7 from current address
0000107E 2E13
                                             MO
» VE.L
            (A3), D7
00001080
                                   141
00001080
                                   142
» Increment Address
00001080 584B
                                   143
            #4,A3
                         * Increment pointer b
» D
» y four bytes
00001082
                                   144
00001082 4E75
                                   145
                                             RT
» S
00001084
                                   146
00001084
                                   147
00001084
                                   148
00001084
                                   149 * Meth
» od Name: DisassembleOpcode
                                   150 * Desc
00001084
» ription: This method will determine which op
» code is in the current word, and
00001084
» ite its ASCII assembly code equivalent into
» (A1). It will then call TrapTask13
00001084
                                   152
» print the ASCII assembly code line.
00001084
                                   153
```

```
0000107E
               MOVE.L (A3), D7
00001080
                ADDQ.W #4, A3
00001082
               RTS
00001084
               MOVEM
                        .L
                               A2/1//D6/5//D4
» /3//1//D0/, -(A7)
```

(continued)		
00001084		154 * Prec
» onditio	ns: D6 contains word-ler	ngth opcode
00001084		155 * Post
» conditi	ons: (A1) points to ASCII	[ assembly co
» de endi	ng in 0	
00001084	<u> </u>	156 *****
» *****	********	******
» *****	*******	
00001084		157 Disass
» embleOp	code:	23, 223033
00001084		158 IN
	'Determine_Opcode.X68'	
00001084	becer mine_opcode:xoo	159
00001084		160 Opcode
		160 Opcode
» :	4057 2000	161 40
	48E7 3808	161 MO
		; MOVEM al
» l regis	ters used	
00001088		<b>162</b>
00001088		163 MO
» VE.W		; copy cur
» rent wo	rd (D6) into opcode mask	register (D2
» )		
0000108A	C47C F000	164 AN
» D	#MASK_OPCODE,D2	; apply ma
» sk to f	irst 4 bits	
0000108E		165
0000108E	B47C 9000	<b>166</b> CM
» P.W	#\$9000,D2	; compare
» with 10	01	
00001092	6700 023E	167 BE
	Opcode_SUB	; if equal
» jump t		,
00001096		168
	B47C 5000	169 CM
	#\$5000,D2	; compare
» with 10		, compare
	6600 0014	170 BN
	SKIP_5000	; if not e
		, 11 HOC E
» qual th		171 40
0000109E		171 MO
» VE.W		; move cur
	rd into working register	
	C67C 0100	172 AN
	#MASK_8, D3	; mask bit
» 8		
	B67C 0000	173 CM
	#\$0000, D3	; compare
» with 0		
000010A8	6600 0274	174 BN
» E	Opcode_SUBQ	; if not e
» qual ju	mp to SUBQ	

00001088 0000108 <mark>A</mark>	MOVE.W MULS	D6, D2 #\$F000,	D2
0000108E	CMP.W	#\$9000,	D2
0000109 <mark>2</mark> 0000109 <mark>4</mark>	DATA ORI.B		<b>\$</b> 5000 <mark>660</mark> 0
0000109 <mark>C</mark>	ORI.B	#\$3606,	(A4)
000010 <mark>A0</mark>	MULS	#\$0100,	D3
	·		
000010A4	CMP.W	#\$0000,	D3

(conti	nued)
`	,

<pre>" A</pre>	000010AC 6000 0298	175 BR
00001080       176 Skip_5         00001080       177         00001080       177         00001080       B47C C000       178 CM         » P.W       #\$C000,D2       ; compare         » with 1100       00001084 6700 02B8       179 BE         » Q       Opcode_MULS       ; if equal         » jump to MULS       00001088       180         00001088       180       00001088         0000108B       181 CM       P.W         » P.W       #\$0000,D2       ; compare         » with 0000       0000108C 6600 004C       182 BN         » E       Skip_0000       ; if not e         » Qual then skip       000010C0 3606       183 MO         » VE.W       D6,D3       ; move cur         » rent word into working register (D3)       000010CC         000010C2       C67C 0DC0       184 AN         » S 11,10,8,7,6       185         000010C6       185         000010C6       185         000010C6       185         000010C6       185         000010CA       6700 04CC       187 BE         » Jump to BCLR         000010DA       6700 04CC       188 MO	» A Opcode_ADDQ	; if equal
<pre>" 000: 000010B0 B47C C000</pre>	- · · · · · · · · · · · · · · · · · · ·	176 Skin 5
000010B0       177         000010B0       B47C C000       178 CM         » P.W       #\$C000,D2       ; compare         » with 1100       000010B4 6700 02B8       179 BE         » Q       Opcode_MULS       ; if equal         » jump to MULS       180         000010B8 B47C 0000       181 CM         » P.W       #\$0000,D2       ; compare         » with 0000       000010BC 6600 004C       182 BN         » E       Skip_0000       ; if not e         » qual then skip       000010C0 3606       183 MO         » VE.W       D6,D3       ; move cur         » rent word into working register       (D3)         000010C2 C67C 0DC0       184 AN         » D       #MASK_1110876,D3       ; mask bit         » S 11,10,8,7,6       000010C6       185         000010C6 B67C 0880       186 CM         » P.W       #\$0880,D3       ; compare         » with 10010       000010CA 6700 04CC       187 BE         » Q       BCLR_I       ; if equal         » YE.W       D6,D3       ; reset cu         » renet word in D3       000010D4       190         000010D4       B67C 0100       191 CM      <		170 3K1P_3
000010B0 B47C C000		177
<pre>" P.W #\$C000,D2 ; compare " with 1100 000010B4 6700 02B8</pre>		
<pre>" with 1100 00001084 6700 02B8</pre>		178 CM
000010B4 6700 02B8       179 BE         % Q       Opcode_MULS       ; if equal         % jump to MULS       000010B8       180         000010B8 B47C 0000       181 CM       P.W       #\$0000,D2       ; compare         % with 0000       000010BC 6600 004C       182 BN       SN       E       Skip_0000       ; if not e         % qual then skip       000010C0 3606       183 MO       YE.W       D6,D3       ; move cur         % rent word into working register (D3)       000010C2 C67C 0DC0       184 AN       N         % Tent word into working register (D3)       900010C6       185       186 CM         % S 11,10,8,7,6       185       186 CM       185       186 CM         % P.W       #\$0880,D3       ; compare       3       3       3       3       3       3       3       4 <td></td> <td>; compare</td>		; compare
<pre>" Q</pre>		170 PF
<pre>" jump to MULS 000010B8</pre>		
000010B8       180         000010B8       B47C       0000       181       CM         » P.W       #\$0000,D2       ; compare         » with 0000       000010BC       6600       004C       182       BN         » E       Skip_0000       ; if not e         » qual then skip       000010C0       3606       183       MO         » VE.W       D6,D3       ; move cur         » rent word into working register       (D3)         000010C2       C67C 0DC0       184       AN         » D       #MASK_1110876,D3       ; mask bit         » s 11,10,8,7,6       186       CM         000010C6       185       600010C6       185         000010C6       186       CM         » P.W       #\$0880,D3       ; compare         » with 10010       000010CA       6700 04CC       187       BE         » Q       BCLR_I       ; if equal         » YE.W       D6,D3       ; reset cu         » rent word in D3       ; mask bit         » B       000010D4       190         000010D4       190       191       CM         » P.W       #\$0100,D3       ; compare		, il equai
<pre>" P.W #\$0000,D2 ; compare " with 0000 000010BC 6600 004C</pre>	- · · · · · · · · · · · · · · · · · · ·	180
<pre>" with 0000 000010BC 6600 004C</pre>		
000010BC 6600 004C       182 BN         » E Skip_0000       ; if not e         » qual then skip       000010C0 3606       183 MO         » VE.W D6,D3 ; move cur       ; move cur         » rent word into working register (D3)       000010C2 C67C 0DC0       184 AN         » D #MASK_1110876,D3 ; mask bit       ; mask bit         » s 11,10,8,7,6       000010C6       185         000010C6 B67C 0880 186 CM       186 CM         » P.W #\$0880,D3 ; compare       ; ompare         » with 10010       000010CA 6700 04CC 187 BE         » Q BCLR_I ; if equal       ; if equal         » jump to BCLR       000010CE 3606 188 MO         » VE.W D6,D3 ; reset cu       ; mask bit         » R       000010D0 C67C 0100 189 AN         » B       000010D4 190         P.W #\$0100,D3 ; mask bit       ; mask bit         » Q Opcode_BCLR ; if equal         » jump to BCLR       ; if equal	» P.W #\$0000,D2	; compare
<pre>" E</pre>		
<pre>" qual then skip 000010C0 3606</pre>		
000010C0       3606       183       MO         » VE.W       D6,D3       ; move cur         » rent word into working register (D3)       000010C2       C67C 0DC0       184       AN         » D       #MASK_1110876,D3       ; mask bit         » S 11,10,8,7,6       185       000010C6       185         000010C6       B67C 0880       186       CM         » P.W       #\$0880,D3       ; compare         » with 10010       000010CA 6700 04CC       187       BE         » Q       BCLR_I       ; if equal         » jump to BCLR       3606       188       MO         » VE.W       D6,D3       ; reset cu         » rent word in D3       300010D4       190       AN         » D       #MASK_8,D3       ; mask bit         » 8       000010D4       190         000010D4       B67C 0100       191       CM         » P.W       #\$0100,D3       ; compare         » with 1       000010D8 6700 049C       192       BE         » Q       Opcode_BCLR       ; if equal         » jump to BCLR       193       MO         » VE.W       D6,D3       ; reset cu         » rent wo	» E Skip_0000	; if not e
<pre>" VE.W D6,D3 ; move cur " rent word into working register (D3) 000010C2 C67C 0DC0</pre>		102
<pre>" rent word into working register (D3) 000010C2</pre>		
000010C2       C67C 0DC0       184       AN         » D       #MASK_1110876,D3       ; mask bit         » S 11,10,8,7,6       185       000010C6       185         000010C6       B67C 0880       186       CM         » P.W       #\$0880,D3       ; compare         » with 10010       000010CA 6700 04CC       187       BE         » Q       BCLR_I       ; if equal         » jump to BCLR       000010CE 3606       188       MO         » VE.W       D6,D3       ; reset cu         » rrent word in D3       3000010D0       189       AN         » D       #MASK_8,D3       ; mask bit         » 8       000010D4       190         000010D4       190       191       CM         » P.W       #\$0100,D3       ; compare         » with 1       000010D8 6700 049C       192       BE         » Q       Opcode_BCLR       ; if equal         » jump to BCLR       193       MO         000010DC       3606       193       MO         » VE.W       D6,D3       ; reset cu         » rrent word in D3       ; reset cu		
<pre>" D  #MASK_1110876,D3</pre>		
<pre>" s 11,10,8,7,6 000010C6</pre>		
000010C6       185         000010C6       B67C 0880       186       CM         » P.W       #\$0880,D3       ; compare         » with 10010       187       BE         000010CA       6700 04CC       187       BE         » Q       BCLR_I       ; if equal         » jump to BCLR       188       MO         000010CE       3606       188       MO         » VE.W       D6,D3       ; reset cu         » rrent word in D3       189       AN         000010D0       C67C       0100       189       AN         » B       000010D4       190       190         000010D4       190       190       190         000010D4       190       191       CM         » P.W       #\$0100,D3       ; compare         » with 1       000010D8       6700       049C       192       BE         » Q       Opcode_BCLR       ; if equal         » jump to BCLR       000010DC       3606       193       MO         » VE.W       D6,D3       ; reset cu         » rrent word in D3       ; reset cu	<del>-</del> · · · ·	,
<pre>" P.W #\$0880,D3 ; compare " with 10010 000010CA 6700 04CC</pre>		185
<pre>" with 10010 000010CA 6700 04CC</pre>		186 CM
000010CA 6700 04CC       187 BE         » Q BCLR_I       ; if equal         » jump to BCLR       600010CE 3606       188 MO         » VE.W D6,D3       ; reset cu         » rrent word in D3       600010D0 C67C 0100       189 AN         » D #MASK_8,D3       ; mask bit         » 8       600010D4       190         000010D4       190       191 CM         » P.W #\$0100,D3       ; compare         » with 1       600010D8 6700 049C       192 BE         » Q Opcode_BCLR       ; if equal         » jump to BCLR       600010DC 3606       193 MO         » VE.W D6,D3       ; reset cu         » rrent word in D3		; compare
<pre>" Q</pre>		_
<pre>" jump to BCLR 000010CE 3606</pre>		
000010CE 3606       188 MO         » VE.W D6,D3       ; reset cu         » rrent word in D3       000010D0 C67C 0100       189 AN         » D #MASK_8,D3       ; mask bit         » 8       000010D4       190         000010D4 B67C 0100       191 CM         » P.W #\$0100,D3       ; compare         » with 1       000010D8 6700 049C       192 BE         » Q Opcode_BCLR       ; if equal         » jump to BCLR       000010DC 3606       193 MO         » VE.W D6,D3       ; reset cu         » rrent word in D3	<del>-</del>	; if equal
<pre>" VE.W</pre>	- · · · · · · · · · · · · · · · · · · ·	188 MO
<pre>" rrent word in D3 000010D0 C67C 0100</pre>		
000010D0 C67C 0100 189 AN  "" D #MASK_8,D3 ; mask bit  "" 8  000010D4 190  000010D4 B67C 0100 191 CM  "" P.W #\$0100,D3 ; compare  "" with 1  000010D8 6700 049C 192 BE  "" Q Opcode_BCLR ; if equal  "" jump to BCLR  000010DC 3606 193 MO  "" VE.W D6,D3 ; reset cu  "" rrent word in D3		,
<pre>" 8 000010D4</pre>		189 AN
<pre>" 8 000010D4</pre>	» D #MASK_8,D3	; mask bit
000010D4 B67C 0100 191 CM  » P.W #\$0100,D3 ; compare  » with 1 000010D8 6700 049C 192 BE  » Q Opcode_BCLR ; if equal  » jump to BCLR 000010DC 3606 193 MO  » VE.W D6,D3 ; reset cu  » rrent word in D3		
<pre>» P.W #\$0100,D3 ; compare » with 1 000010D8 6700 049C</pre>	000010D4	190
<pre>» P.W #\$0100,D3 ; compare » with 1 000010D8 6700 049C</pre>		
<pre>» P.W #\$0100,D3 ; compare » with 1 000010D8 6700 049C</pre>	000010D4 P67C 0100	101 CM
000010D8 6700 049C 192 BE  » Q Opcode_BCLR ; if equal  » jump to BCLR  000010DC 3606 193 MO  » VE.W D6,D3 ; reset cu  » rrent word in D3	" D M #\$0100 D3	
000010D8 6700 049C 192 BE  » Q Opcode_BCLR ; if equal  » jump to BCLR  000010DC 3606 193 MO  » VE.W D6,D3 ; reset cu  » rrent word in D3	» with 1	, compare
<pre>» Q     Opcode_BCLR</pre>		192 BE
<pre>" jump to BCLR 000010DC 3606</pre>		
<pre>» VE.W D6,D3 ; reset cu » rrent word in D3</pre>		,
» rrent word in D3		193 MO
	-	; reset cu
000010DE C67C 0800 194 AN		
	000010DE C67C 0800	194 AN

000010AA		6600 #\$6000, #\$0298 #\$C000, D2
000010B4 000010B6	DATA ORI.L	6700 #\$B47C0000, \$6600
000010BE	ORI.W	#\$3606, A4
000010C <mark>2</mark>	MULS	#\$0DC0, D3
000010C <mark>6</mark>	CMP.W	<b>#\$0880,</b> D3
000010C <mark>A</mark>	DATA	6700
000010CC 000010CE 000010D0 000010D4	MULS	04CC D6, D3 #\$0100, D3 #\$0100, D3
000010D8	DATA	6700

» D #MASK_11,D3	; mask bit
» D #MASK_11,D3 » 11	, mask bit
000010E2	195
00001022	199
000010E2 B67C 0800	196 CM
» P.W #\$0800.D3	; compare
» P.W #\$0800,D3 » with 1	, compare
000010E6 6600 0014	197 BN
» E Skip_CMPI_EORI	
» qual then skip	,
000010EA 3606	198 MO
» VE.W D6, D3	; reset cu
» rrent word in D3	,
000010EC C67C 0400	199 AN
» D.W #MASK_10, D3	; mask bit
» 10	,
000010F0 B67C 0000	200 CM
» P.W #\$0000, D3	; compare
» with 0	,pu. c
000010F4 67 <mark>00</mark> 03E0	201 BE
<pre>» Q</pre>	; if equal
» jump to EORI	,
000010F8 6000 033C	202 BR
» A Opcode_CMPI	; if not e
» qual jump to CMPI	
000010FC	203 Skip_C
» MPI_EORI:	
000010FC	204
000010FC 3606	205 MO
» VE.W D6, <mark>D3</mark>	; reset cu
» rrent word in D3	
000010FE	206 AN
» D #MASK_11108,D3	; mask bit
<pre>» D #MASK_11108,D3 » 11, 10,8</pre>	
0000110 <mark>2</mark>	207
000011 <mark>02 B67C 0000</mark>	208 CM
» P.W #\$000 <mark>0</mark> ,D3	; compare
» with 000	
00001106 6700 028E	209 BE
<pre>» Q</pre>	; if equal
» jump to ORI	
000011 <mark>0</mark> A	210 Skip_0
» 000:	
0000110 <mark>A</mark>	211
0000110A B47C D000	212 CM
» P.W #\$D000,D2	; compare

000010 <mark>DA</mark>	DATA	
000010DC		D6, D3
000010DE		
000010E2	CMP.W	#\$0800, D3
000010E6	DATA	6600
00001010	DATA	0000
000010E <mark>8</mark>	ORI.B	#\$3606, (A4)
000010EC	MULS	# <b>\$</b> 0400, D3
00001050	CMD LI	#¢0000 D2
000010F0	CMP.W	#\$0000, D3
000010F4	DATA	6700
0000101	57177	0,00
000010F6	BCLR	D1, -(A0)
000010F <mark>8</mark>	BRA	033C
00004056		
000010FC	MOVE.W	
000010FC	MOVE.W	
		D6, D3
		D6, D3
000010FE	MULS	D6, D3 #\$0D00, D3
000010FE 00001102	MULS CMP.W	D6, D3 #\$0D00, D3 #\$0000, D3
000010FE	MULS  CMP.W DATA	D6, D3  #\$0D00, D3  #\$0000, D3 6700
000010FE 00001102 00001106	MULS CMP.W	#\$0000, D3 #\$0000, D3 6700 #\$847CD000, A6
000010FE 00001102 00001106 00001108	MULS  CMP.W DATA ORI.L DATA	#\$0000, D3 #\$0000, D3 6700 #\$847CD000, A6
000010FE 00001102 00001106 00001108 0000110E	MULS  CMP.W DATA ORI.L DATA ORI.B	#\$0000, D3 #\$0000, D3 6700 #\$B47CD000, A6
000010FE 00001102 00001106 00001108 0000110E 00001110	MULS  CMP.W DATA ORI.L DATA ORI.B MULS	#\$0000, D3 #\$0000, D3 6700 #\$B47CD000, A6 6600 #\$3606, (A4)
000010FE 00001102 00001106 00001108 0000110E 00001110 00001114	MULS  CMP.W DATA ORI.L DATA ORI.B MULS	#\$0D00, D3  #\$0000, D3  #\$0000, D3  6700  #\$B47CD000, A6  6600  #\$3606, (A4)  #\$00C0, D3
000010FE 00001102 00001106 00001108 0000110E 00001110 00001114	MULS  CMP.W DATA ORI.L DATA ORI.B MULS	#\$0D00, D3  #\$0000, D3  #\$0000, D3  6700  #\$B47CD000, A6  6600  #\$3606, (A4)  #\$00C0, D3
000010FE 00001102 00001106 00001108 0000110E 00001110 00001114	MULS  CMP.W DATA ORI.L DATA ORI.B MULS	#\$0D00, D3  #\$0000, D3  #\$0000, D3  6700  #\$B47CD000, A6  6600  #\$3606, (A4)  #\$00C0, D3
000010FE 00001102 00001106 00001108 0000110E 00001110 00001114	MULS  CMP.W DATA ORI.L DATA ORI.B MULS	#\$0D00, D3  #\$0000, D3  #\$0000, D3  6700  #\$B47CD000, A6  6600  #\$3606, (A4)  #\$00C0, D3
000010FE  00001102 00001106 00001108 0000110E 00001110 00001114 00001118	MULS  CMP.W DATA ORI.L DATA ORI.B MULS CMP.W	#\$0000, D3  #\$0000, D3  #\$847CD000, A6 6600  #\$3606, (A4)  #\$00C0, D3  #\$00C0, D3
000010FE 00001102 00001106 00001108 0000110E 00001110 00001114	MULS  CMP.W DATA ORI.L DATA ORI.B MULS	#\$0D00, D3  #\$0000, D3  #\$0000, D3  6700  #\$B47CD000, A6  6600  #\$3606, (A4)  #\$00C0, D3
000010FE  00001102 00001106 00001108 0000110E 00001110 00001114 00001118	MULS  CMP.W DATA ORI.L DATA ORI.B MULS CMP.W	#\$0000, D3  #\$0000, D3  #\$0000, D3  6700  #\$847CD000, A6  6600  #\$3606, (A4)  #\$00C0, D3  #\$00C0, D3
000010FE  00001102 00001106 0000110E 00001110 00001114 00001118	MULS  CMP.W DATA ORI.L DATA ORI.B MULS CMP.W	#\$0000, D3  #\$0000, D3  #\$847CD000, A6 6600  #\$3606, (A4)  #\$00C0, D3  #\$00C0, D3

(continued)	
» with 1101	
0000110E 6600 0014	213 BN
» E Skip_1101	; if not e
» qual then skip	
00001112 3606	214 MO
» VE.W D6,D3	; move cur
» rent word into working register	•
00001114 C67C 00C0	215 AN
	; mask bit
» D #MASK_76,D3 » s 7, 6	, mask bit
00001118	216
00001118 00001118 B67C 00C0	217 CM
» P.W #\$00C0,D3	; compare
» with 11	240
0000111C 6700 04B2	218 BE
» Q Opcode_ADDA	; if equal
» jump to ADDA	
00001120 6600 04D6	219 BN
» E Opcode_ADD	; if not e
» qual jump to ADD	
00001124	220
00001124	221 Skip_1
» 101:	
00001124 B47C 8000	222 CM
» P.W #\$8000,D2	; compare
» with 1000	,p
	223 RN
00001128 6600 0014	223 BN
00001128 6600 0014 » E Skip_1000	223 BN ; if not e
00001128 6600 0014 » E Skip_1000 » qual then skip	; if not e
00001128 6600 0014 » E Skip_1000 » qual then skip 0000112C 3606	; if not e
00001128 6600 0014  » E Skip_1000  » qual then skip 0000112C 3606  » VE.W D6,D3	; if not e  224 MO ; move cur
00001128 6600 0014  » E Skip_1000  » qual then skip 0000112C 3606  » VE.W D6,D3  » rent word into working register	; if not e  224 MO ; move cur (D3)
00001128 6600 0014  » E Skip_1000  » qual then skip 0000112C 3606  » VE.W D6,D3  » rent word into working register 0000112E C67C 00C0	; if not e  224 MO ; move cur (D3) 225 AN
00001128 6600 0014  » E Skip_1000  » qual then skip 0000112C 3606  » VE.W D6,D3  » rent word into working register 0000112E C67C 00C0  » D #MASK_76,D3	; if not e  224 MO ; move cur (D3)
00001128 6600 0014  » E Skip_1000  » qual then skip 0000112C 3606  » VE.W D6,D3  » rent word into working register 0000112E C67C 00C0  » D #MASK_76,D3  » s 7, 6	; if not e  224 MO ; move cur (D3) 225 AN ; mask bit
00001128 6600 0014  » E Skip_1000  » qual then skip 0000112C 3606  » VE.W D6,D3  » rent word into working register 0000112E C67C 00C0  » D #MASK_76,D3	; if not e  224 MO ; move cur (D3) 225 AN
00001128 6600 0014  » E Skip_1000  » qual then skip 0000112C 3606  » VE.W D6,D3  » rent word into working register 0000112E C67C 00C0  » D #MASK_76,D3  » s 7, 6	; if not e  224 MO ; move cur (D3) 225 AN ; mask bit
00001128 6600 0014  » E Skip_1000  » qual then skip 0000112C 3606  » VE.W D6,D3  » rent word into working register 0000112E C67C 00C0  » D #MASK_76,D3  » s 7, 6 00001132	; if not e  224 MO ; move cur (D3) 225 AN ; mask bit
00001128 6600 0014  » E Skip_1000  » qual then skip 0000112C 3606  » VE.W D6,D3  » rent word into working register 0000112E C67C 00C0  » D #MASK_76,D3  » s 7, 6	; if not e  224 MO ; move cur (D3) 225 AN ; mask bit
00001128 6600 0014  » E Skip_1000  » qual then skip 0000112C 3606  » VE.W D6,D3  » rent word into working register 0000112E C67C 00C0  » D #MASK_76,D3  » s 7, 6 00001132	; if not e  224 MO ; move cur (D3) 225 AN ; mask bit  226
00001128 6600 0014  » E Skip_1000  » qual then skip 0000112C 3606  » VE.W D6,D3  » rent word into working register 0000112E C67C 00C0  » D #MASK_76,D3  » s 7, 6 00001132  00001132 B67C 00C0	; if not e  224 MO ; move cur (D3) 225 AN ; mask bit  226
00001128 6600 0014  » E Skip_1000  » qual then skip 0000112C 3606  » VE.W D6,D3  » rent word into working register 0000112E C67C 00C0  » D #MASK_76,D3  » s 7, 6 00001132  00001132 B67C 00C0  » P.W #\$00C0,D3	; if not e  224 MO ; move cur (D3) 225 AN ; mask bit  226
00001128 6600 0014  » E Skip_1000  » qual then skip 0000112C 3606  » VE.W D6,D3  » rent word into working register 0000112E C67C 00C0  » D #MASK_76,D3  » s 7, 6 00001132  00001132 B67C 00C0  » P.W #\$00C0,D3  » with 11 00001136 6700 050C	; if not e  224 MO ; move cur (D3) 225 AN ; mask bit  226  227 CM ; compare  228 BE
00001128 6600 0014  » E Skip_1000  » qual then skip 0000112C 3606  » VE.W D6,D3  » rent word into working register 0000112E C67C 00C0  » D #MASK_76,D3  » s 7, 6 00001132  00001132 B67C 00C0  » P.W #\$00C0,D3  » with 11 00001136 6700 050C  » Q Opcode_DIVS	; if not e  224 MO ; move cur (D3) 225 AN ; mask bit  226  227 CM ; compare
00001128 6600 0014  » E Skip_1000  » qual then skip 0000112C 3606  » VE.W D6,D3  » rent word into working register 0000112E C67C 00C0  » D #MASK_76,D3  » s 7, 6 00001132  00001132  B67C 00C0  » P.W #\$00C0,D3  » with 11 00001136 6700 050C  » Q Opcode_DIVS  » jump to DIVS	; if not e  224 MO ; move cur (D3) 225 AN ; mask bit  226  227 CM ; compare  228 BE ; if equal
00001128 6600 0014  » E Skip_1000  » qual then skip 0000112C 3606  » VE.W D6,D3  » rent word into working register 0000112E C67C 00C0  » D #MASK_76,D3  » s 7, 6 00001132  00001132 B67C 00C0  » P.W #\$00C0,D3  » with 11 00001136 6700 050C  » Q Opcode_DIVS  » jump to DIVS 0000113A 6600 0530	; if not e  224 MO ; move cur (D3) 225 AN ; mask bit  226  227 CM ; compare  228 BE ; if equal  229 BN
00001128 6600 0014  » E Skip_1000  » qual then skip 0000112C 3606  » VE.W D6,D3  » rent word into working register 0000112E C67C 00C0  » D #MASK_76,D3  » s 7, 6 00001132  00001132 B67C 00C0  » P.W #\$00C0,D3  » with 11 00001136 6700 050C  » Q Opcode_DIVS  » jump to DIVS 0000113A 6600 0530  » E Opcode_OR	; if not e  224 MO ; move cur (D3) 225 AN ; mask bit  226  227 CM ; compare  228 BE ; if equal
00001128 6600 0014  » E Skip_1000  » qual then skip 0000112C 3606  » VE.W D6,D3  » rent word into working register 0000112E C67C 00C0  » D #MASK_76,D3  » s 7, 6 00001132  00001132 B67C 00C0  » P.W #\$00C0,D3  » with 11 00001136 6700 050C  » Q Opcode_DIVS  » jump to DIVS 0000113A 6600 0530  » E Opcode_OR  » qual jump to OR	; if not e  224 MO ; move cur (D3) 225 AN ; mask bit  226  227 CM ; compare  228 BE ; if equal  229 BN ; if not e
00001128 6600 0014  » E Skip_1000  » qual then skip 0000112C 3606  » VE.W D6,D3  » rent word into working register 0000112E C67C 00C0  » D #MASK_76,D3  » s 7, 6 00001132  00001132  00001132  B67C 00C0  » P.W #\$00C0,D3  » with 11 00001136 6700 050C  » Q Opcode_DIVS  » jump to DIVS 0000113A 6600 0530  » E Opcode_OR  » qual jump to OR 0000113E	; if not e  224 MO ; move cur (D3) 225 AN ; mask bit  226  227 CM ; compare  228 BE ; if equal  229 BN ; if not e
00001128 6600 0014  » E Skip_1000  » qual then skip 0000112C 3606  » VE.W D6,D3  » rent word into working register 0000112E C67C 00C0  » D #MASK_76,D3  » s 7, 6 00001132  00001132 B67C 00C0  » P.W #\$00C0,D3  » with 11 00001136 6700 050C  » Q Opcode_DIVS  » jump to DIVS 0000113A 6600 0530  » E Opcode_OR  » qual jump to OR 0000113E 0000113E	; if not e  224 MO ; move cur (D3) 225 AN ; mask bit  226  227 CM ; compare  228 BE ; if equal  229 BN ; if not e
00001128 6600 0014  » E Skip_1000  » qual then skip 0000112C 3606  » VE.W D6,D3  » rent word into working register 0000112E C67C 00C0  » D #MASK_76,D3  » s 7, 6 00001132  00001132 B67C 00C0  » P.W #\$00C0,D3  » with 11 00001136 6700 050C  » Q Opcode_DIVS  » jump to DIVS 0000113A 6600 0530  » E Opcode_OR  » qual jump to OR 0000113E 0000113E 0000113E	<pre>; if not e  224      MO ; move cur (D3) 225      AN ; mask bit  226  227      CM ; compare  228      BE ; if equal  229      BN ; if not e  230 231      Skip_1</pre>
00001128 6600 0014  » E Skip_1000  » qual then skip 0000112C 3606  » VE.W D6,D3  » rent word into working register 0000112E C67C 00C0  » D #MASK_76,D3  » s 7, 6 00001132  00001132 B67C 00C0  » P.W #\$00C0,D3  » with 11 00001136 6700 050C  » Q Opcode_DIVS  » jump to DIVS 0000113A 6600 0530  » E Opcode_OR  » qual jump to OR 0000113E 0000113E	; if not e  224 MO ; move cur (D3) 225 AN ; mask bit  226  227 CM ; compare  228 BE ; if equal  229 BN ; if not e

00001120	DATA	6600	
00001122	DATA	04D6	
00001124	CMP.W	#\$8000 <b>,</b>	D2
00001128	DATA		( )
0000112A 0000112E		#\$3606, #\$00C0,	
00001122		#\$00C0, #\$00C0,	
00001136	DATA	6700	

(continued)	
» with 1011	
00001142 6600 0014	233 BN
» E Skip_1011	; if not e
» qual then skip	, 11 1100 0
· ·	
00001146 3606	234 MO
» VE.W D6,D3	; move cur
<pre>» rent word into working register</pre>	(D3)
00001148 C67C 0100	235 AN
» D #MASK_8,D3	; mask bit
	, mask bit
» <b>8</b>	
000011 <mark>4C</mark>	236
0000114C B67C 0000	237 CM
» P.W #\$0000,D3	; compare
» with 0	
00001150 67 <mark>0</mark> 0 0 <mark>566</mark>	238 BE
» Q Opcode_CMP	; if equal
» jump to CMP	,
00001154 6600 058A	239 BN
» E Opcode_EOR	; if not e
» qual jump to EOR	
00001158	<b>2</b> 40
00001158	241 Skip_1
» 011:	'-
	242 CM
00001158 B47C 1000	
» P.W #\$1000,D2	; compare
» with 0001	
0000115C 6600 0014	243 BN
» E Skip_0001	; if not e
» qual then skip	,
· ·	244 MO
00001160 3606	244 MO
» VE.W D6,D3	· movo cun
	; move cur
<pre>» rent word into working register</pre>	· ·
	(D3)
<pre>» rent word into working register 00001162 C67C 01C0</pre>	(D3) 245 AN
<pre>» rent word into working register 00001162 C67C 01C0 » D #MASK_876,D3</pre>	(D3)
<pre>» rent word into working register 00001162    C67C 01C0 » D</pre>	(D3) 245 AN ; mask bit
<pre>» rent word into working register 00001162 C67C 01C0 » D #MASK_876,D3</pre>	(D3) 245 AN
<pre>» rent word into working register 00001162    C67C 01C0 » D</pre>	(D3) 245 AN ; mask bit
<pre>» rent word into working register 00001162    C67C 01C0 » D</pre>	(D3) 245 AN ; mask bit 246
<pre>» rent word into working register 00001162    C67C 01C0 » D</pre>	(D3) 245 AN ; mask bit 246 247 CM
<pre>" rent word into working register 00001162    C67C 01C0 " D</pre>	(D3) 245 AN ; mask bit 246
<pre>" rent word into working register 00001162    C67C 01C0 " D</pre>	(D3) 245 AN ; mask bit 246  247 CM ; compare
<pre>" rent word into working register 00001162    C67C 01C0 " D</pre>	(D3) 245 AN ; mask bit 246  247 CM ; compare 248 BE
<pre>" rent word into working register 00001162    C67C 01C0 " D</pre>	(D3) 245 AN ; mask bit 246  247 CM ; compare
<pre>" rent word into working register 00001162    C67C 01C0 " D</pre>	(D3) 245 AN ; mask bit 246  247 CM ; compare 248 BE
<pre>" rent word into working register 00001162    C67C 01C0 " D</pre>	(D3) 245 AN ; mask bit 246  247 CM ; compare 248 BE
<pre>" rent word into working register 00001162    C67C 01C0 " D</pre>	(D3) 245 AN ; mask bit 246  247 CM ; compare 248 BE ; if equal

00001138 0000113A 0000113C 00001140 00001142 00001144 00001148 0000114C	CMP.B DATA ORI.B MULS	6600 D2, \$B47C D0, D0
00001150	DATA	6700
00001152	BCLR	D2, -(A6)
00001154 00001156 00001158	DATA BCLR CMP.W	
0000115C 0000115E 00001162 00001166		6600 #\$3606, (A4) #\$01C0, D3 #\$0040, D3
0000116A	DATA	6700
0000116 <mark>C</mark>	BCLR	D2, (A4)+

(c	on	tinı	ued)	

y qual jump to MOVE_B	
00001172	250
00001172 » 001:	251 Skip_0
00001172 B47C 3000	252 CM
» P.W #\$3000,D2	; compare
» with 0011	, compare
00001176 6600 0014	253 BN
» E Skip_0011	; if not e
» qual then skip	, 11 1100 0
0000117A 3606	254 MO
» VE.W D6,D3	; move cur
» rent word into working register	
00001176 6676 0160	255 AN
» D #MASK_876,D3	; mask bit
» s 8, 7, 6	
00001180	256
00001180 B67C 0040	257 CM
» P.W #\$0040,D3	; compare
» with 001	
00001184 67 <mark>0</mark> 0 05D2	258 BE
» Q MOVEA_W	; if equal
<pre>» jump to MOVEA_W</pre>	
00001188 6600 05F6	259 BN
» E MOVE_W	; if not e
» qual jump to MOVE_W	260
0000118C	260
0000118C » 011:	261 Skip_0
0000118C B47C 2000	262 CM
» P.W #\$2000,D2	; compare
» with 0010	, compare
00001190 6600 0014	263 BN
» E Skip_0010	; if not e
» qual then skip	, 11 1100 0
00001194 3606	264 MO
» VE.W D6,D3	; move cur
<pre>» rent word into working register</pre>	
00001196 C67C 01C0	265 AN
	; mask bit
» D #MASK_876,D3 » s 8, 7, 6	
0000119 <mark>A</mark>	<b>2</b> 66
0000119A B67C 0040	267 CM
» P.W #\$0040,D3	; compare
» with 001	
0000119E 6700 0608	268 BE
» Q MOVEA_L	; if equal

0000116E	DATA	6600
00001170	BCLR	
00001172	CMP.W	#\$3000, D2
00001176	DATA	
00001178 0000117C	ORI.B	#\$3606, (A4) #\$01C0, D3
00001170	CMP.W	#\$0040, D3
00001184	DATA	6700
00001186	BCLR	D2, (A2)
00001188	DATA	
0000118 <mark>A</mark>	BCLR	D2, \$B47C2000
		,,
00001190	DATA	6600
00001190	ORI.B	#\$3606, (A4)
00001196	MULS	#\$01C0, D3
0000119A	CMP.W	#\$0040, D3
i .		

(continued)	
<pre>» jump to MOVEA_L</pre>	
000011A2 6600 062C	269 BN
» E MOVE_L	; if not e
» qual jump to MOVE_L	
000011A6	<b>2</b> 70
000011A6	271 Skip_0
	2/1 3k1p_6
» 010:	
000011A6 B47C E000	272 CM
» P.W #\$E000,D2	; compare
» with 1110	, compare
000011AA 66 <mark>00 0080</mark>	273 BN
» E Skip_1110	; if not e
» qual then skip	
000011A <mark>E</mark> 3606	274 MO
» VE.W D6,D3	; move cur
» rent word into working register	(D3)
000011B0 C67C 00C0	275 AN
» D #MASK_76,D3	; mask bit
» s 7, 6	,
00001184	276
00001164	270
000011B4 B67C 00C0	277 CM
» P.W #\$00C0,D3	; compare
» with 11	
000011 <mark>B8</mark> 6600 003C	278 BN
» E Branch_0110	; branch t
» o second half of check if not eq	<sub>l</sub> ual
000011BC 3606	279 MO
» VE.W D6,D3	; reset th
» e word value in D3	
000011BE C67C 0700	280 AN
	; mask bit
» D #MASK_1098,D3 » s 10, 9, 8	, mask bit
	201
000011C2	281
000011C2 B67C 0700	282 CM
» P.W #\$0700,D3	; compare
» with 110	
000011C6 6700 0630	283 BE
» Q Opcode_ROL	; if equal
» jump to ROL	
000011CA B67C 0600	284 CM
» P.W #\$0600,D3	; compare
» with 111	, compare
000011CE 6700 063E	285 BE
» Q Opcode_ROR	; if equal
» jump to ROR	
000011D2	286
000011D2 B67C 0300	287 CM

000011 <mark>9E</mark>	DATA	
000011A0	DATA	0608
000011A2	DATA	6600
	DATA	
000011A6	CMP.W	#\$E000, D2
000011AA	DATA	6600
000011AC	ORT I	#\$3606C67C, D0
00001170	ONITE	וויייייייייייייייייייייייייייייייייייי
000011B2	ODT	##BC7C DQ
		#\$B67C, D0 #\$6600, D0
		#\$3606, #000C
000011DA		
		#\$0700, D3
000011 <mark>C</mark> 6	DATA	6 <mark>70</mark> 0
00001160	DATA	0630
000011C8	DATA	0630
00001161	CMD	##0C00 D3
000011CA	CMP.W	#\$0600, D3
000011CE	DATA	6700
000011D <mark>0</mark>	DATA	
000011D2	CMP.W	#\$0300, D3  Bevond Compare v4.2.10

(continued)		
	; compare	
» with 011	200	00001106
000011D6 6700 064C » Q Opcode_LSL	288 BE	000011D6
	; it equal	
» jump to LSL		
000011DA	289	000011D <mark>8</mark>
000011DA B67C 0200	290 CM ; compare	000011DA
» P.W #\$0200,D3	; compare	
» with 010		
000011DE 6700 065A	291 BE ; if equal	000011DE
	; if equal	
» jump to LSR		
000011E <mark>2</mark>	292	000011E0
000011E2 B67C 0100	293 CM ; compare	000011E2
	; compare	
» with 001		
000011E6 67 <mark>0</mark> 0 0 <mark>668</mark>	294 BE	000011E6
» Q Opcode_ASL	; if equal	
» jump to ASL		
000011E <mark>A</mark>	295	000011E <mark>8</mark>
000011EA B67C 0000	296 CM ; compare	000011EA
» P.W #\$0000,D3	; compare	
» with 000		
000011EE 67 <mark>0</mark> 0 0 <mark>676</mark>	297 BE	000011EE
<pre>» Q</pre>	297 BE ; if equal	
» jump to ASR		
000011F2 6000 0038	298 BR	
» A Skip_1110	; no valid	
» opcodes found, skip ahead		
000011F <mark>6</mark>	299	000011F <mark>0</mark>
000011F6	300 Branch	
» _0110:		
000011F6 3606	301 MO	
» VE.W D6,D3	; reset th	
» e word value in D3		
000011F8 C67C 0118	302 AN	
» D #MASK_843,D3	; mask bit	
» s 8, 4, 3		
000011FC	<b>3</b> 03	000011F2
		000011F6
		000011F8
000011FC B67C 0118	304 CM	000011FC
» P.W #\$0118,D3	; compare	
» with 111		
00001200 67 <mark>0</mark> 0 <mark>067A</mark>	305 BE	00001200
» Q ROL_I	; if equal	
» jump to ROL	,	
00001204	306	00001202
00001204 B67C 0018	307 CM	00001204
» P.W #\$0018,D3	; compare	
» with 011	,	
00001208 6700 06BE	308 BE	00001208
1000 0,00 00DL	500	00001200

000011D6	DATA	6700	
000011D <mark>8</mark>	DATA		
000011DA	CMP.W	#\$0200,	D3
000011DE	DATA	6700	
000011E <mark>0</mark>	DATA		
000011E2	CMP.W	#\$0100,	D3
000011E6	DATA	6700	
000011E8	DATA		D2
000011EA	CMP.W	#\$0000,	U3
000011EE	DATA	6700	
000011F <mark>0</mark>	DATA	0676	
000011F2		0038	
000011F6 000011F8	MOVE.W MULS	#\$0118,	D3
000011FC		#\$0118,	
00001200	DATA	6700	
0000120 <mark>2</mark>	DATA	06 <b>7A</b>	
00001204	CMP.W	#\$0018,	D3
00001209	DATA	6700	

DATA

6700

Right file: D:\Source\github\CSS422_Hardward (continued)	e\Disassembler\Ou
» Q ROR_I	; if equal
	; IT equal
» jump to ROR	200
0000120C	309
0000120C B67C 0108	310 CM
» P.W #\$0108,D3	; compare
» with 101	
00001210 6700 0702	311 BE
» Q LSL_I	; if equal
<pre>» jump to LSL</pre>	
00001214	312
00001214 B67C 0008	313 CM
» P.W #\$0008,D3	; compare
» with 001	, compare
00001218 6700 0746	314 BE
» Q LSR_I	; if equal
» jump to LSR	245
0000121 <mark>C</mark>	315
0000121C B67C 0100	<b>316</b> CM
» P.W #\$0100,D3	; compare
» with 100	
00001220 6700 078A	317 BE
» Q ASL_I	; if equal
<pre>» jump to ASL</pre>	
00001224	318
00001224 B67C 0000	319 CM
» P.W #\$0000,D3	; compare
» with 000	, copu. c
00001228 6700 07CE	320 BE
» Q ASR_I	; if equal
	, II equal
» jump to ASR	224
0000122C	321
0000122C	322 Skip_1
» 110:	
0000122C B47C 6000	323 CM
» P.W #\$ <mark>6</mark> 000,D <mark>2</mark>	; compare
» with 0110	
00001230 6600 0030	324 BN
» E Skip_0110	; if not e
» qual then skip	
00001234 3606	325 MO
» VE.W D6,D3	; move cur
<pre>» rent word into working register</pre>	
00001236 C67C 0F00	326 AN
» D #MASK_111098,D3	; mask bit
	, mask bit
» s 11, 10, 9, 8	227
0000123A	327
»	220
0000123A B67C 0000	328 CM

» P.W

» Q

» with 0000

0000123E 6700 0804

#\$0000,D3

Opcode\_BRA

; compare

; if equal

BE

329

0000120 <mark>A</mark>	DATA	06BE	
		#\$0108,	D3
	DATA		
0000121 <mark>2</mark> 00001214	CMP.W	#\$0008,	D3
00001218	DATA	6700	
0000121A 0000121C			
00001220	DATA	6700	
00001222	BCLR	D3, A2	
00001224	CMP.W	#\$ <mark>0</mark> 000,	D3
00001330	DATA	6700	
00001228	DATA	6700	

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ı		٠		

(continued)		
» jump t	O BKA	220
00001242	55-6 0500	330
	B67C 0500	331 CM
	#\$0500,D3	; compare
» with 01		
	6700 0812	332 BE
	Opcode_BCS	; if equal
» jump t		
000012 <b>4</b> A		333
	B67C 0C00	334 CM
•	#\$0C00,D3	; compare
» with 11		
	6700 0820	335 BE
		; if equal
» jump t	o BGE	
00001252		336
	B67C 0D00	337 CM
	#\$0D00,D3	; compare
» with 11		
00001256	6700 082E	338 BE
» Q	Opcode_BLT	; if equal
» jump t	o BLT	
000012 <mark>5A</mark>		339
0000125A	B67C 0800	340 CM
» P.W	#\$0 <mark>8</mark> 00,D3	; compare
» with 10	00	
0000125E	6700 083C	341 BE
» Q	Opcode_BVC	; if equal
» jump t		
00001262		342
00001262		343 Skip_0
» 110:		
00001262	B47C 4000	344 CM
	#\$4000,D2	; compare
» with 01	00	, ,
	6600 0048	345 BN
	Skip_0100	; if not e
» qual th		,
0000126A		346 MO
» VE.W		; move cur
	rd into working register	-
0000126C	ra inco norming regiseer	347
	B67C 4E71	348 CM
	#\$4E71,D3	; check ag
	onstant NOP code	, check ug
	6700 0840	349 BE
	Opcode_NOP	; if equal
» jump t		, il equal
00001274	0 1101	350
	B67C 4AFC	351 CM
	#\$4AFC,D3	; check ag
	onstant ILLEGAL code	, check ag
" ailist C	onstant ittedat tode	

1			
0000122A 0000122C	BCLR CMP.W	D3, A6 #\$6000,	D2
00001230	DATA	6600	
00001232	ORI.B	<b>#\$3606</b> ,	\$C67C
0000123 <mark>8</mark> 000012 <mark>3</mark> A		D7, D0 #\$0000,	D3
0000123A	Crii . W	# <b>#</b> 0000,	
0000123E	DATA		D4
00001240	EORI.B	#\$B67C,	D4
00001244	BCLR	D2, D0	
000012 <mark>46</mark> 0000124 <mark>8</mark>	DATA FORT B	6700 #\$B67C,	(A2)
00001240	LONI.D	πφυσ/С	(04)

(continued)	
00001278 6700 0848	352 BE
<pre>» Q</pre>	; if equal
<pre>» jump to ILLEGAL</pre>	
0000127C	353
0000127C B67C 4E75	354 CM
	; check ag
» ainst constant RTS code	, check ag
	255 05
00001280 6700 0850	355 BE
» Q Opcode_RTS	; if equal
» jump to RTS	
00001284 C67C 0100	356 AN
» D #MASK_8,D3	; mask bit
» 8	
00001288	357
00001288	358
000012 <mark>88 B6</mark> 7C 0 <b>1</b> 00	359 CM
» P #\$0100,D3	; compare
» with 1	
0000128C 6700 0854	360 BE
» Q Opcode_LEA	; if equal
» jump to LEA	, in equal
00001290 3606	361 MO
» VE.W D6,D3	; refresh
» current word into D3	, rerresii
	262 41
00001292 C67C 0800	362 AN
» D #MASK_11,D3	; mask bit
» 11	
000012 <mark>9</mark> 6	363
00001296 B67C 0000	364 CM
» P #\$0000,D3	; compare
» with 0	
0000129A 6700 0868	365 BE
» Q Opcode_NEG	; if equal
<pre>» jump to NEG</pre>	
0000129E 3606	366 MO
» VE.W D6,D3	; refresh
» current word into D3	
000012A0 C67C 0200	367 AN
» D #MASK_9,D3	; mask bit
» 9	,
000012 <mark>A4</mark>	368
000012A4 B67C 0000	369 CM
» P #\$0000,D3	; compare
» with 0	, compare
	270 DE
000012A8 6700 0876	370 BE
» Q Opcode_MOVEM	; if equal
» jump to MOVEM	274
000012AC 6600 08BE	371 BN
» E Opcode_JSR	; if not e
» qual jump to JSR	
000012 <mark>B</mark> 0	372

00001250				
00001254 BCLR D6, D0  00001256 DATA 6700 00001258 EORI.B #\$B67C, \$08006700 00001260 EORI.B #\$B47C, #0000  00001266 DATA 6600  00001268 ORI.W #\$3606, A0 0000126C CMP.W #\$4E71, D3	000012 <mark>4C</mark>	CMPI.B	<b>#\$</b> 6700 <b>,</b>	D0
00001256 DATA 6700 00001258 EORI.B #\$B67C, \$08006700 00001260 EORI.B #\$B47C, #0000  00001266 DATA 6600  00001268 ORI.W #\$3606, A0 0000126C CMP.W #\$4E71, D3				-(A0)
00001258	00001234	DCLK	DO, DO	
00001258	00001256	DATA	6700	
00001268 ORI.W #\$3606, A0 0000126C CMP.W #\$4E71, D3	000012 <mark>5</mark> 8	EORI.B	#\$B67C,	
00001268 ORI.W #\$3606, A0 0000126C CMP.W #\$4E71, D3				
0000126C CMP.W #\$4E71, D3  00001270 DATA 6700	00001266	DATA	6600	
	00001270	DATA	6700	Beyond Compare v4.2.10

(continued)		
000012 <mark>B0</mark>	373	Skip_0
» 100:		
000012B0 BC7C FFFF	374	CM
» P.W #\$FFFF,D6	; c	ompare
» with FFFF		
000012B4 6700 08CC	375	BE
		f equal
» jump to SIMHALT	, 1	i equal
	<b>3</b> 76	
000012B8		
000012B8 6000 0002	377	
» A Opcode_DATA	; 1	f no op
» codes found jump to DATA		
000012 <mark>BC</mark>	<del>3</del> 78	
000012 <mark>BC</mark>	379	
000012 <mark>BC</mark>	<mark>3</mark> 80	
000012 <mark>BC</mark>	381	
» end include		
»		
000012BC	382	IN
<pre>» CLUDE 'Breakdown_Opcode.X68'</pre>		
000012BC	383	
000012BC	384	
000012BC		Opcode
	202	opcode
» _DATA: 000012BC 45F9 00002329	200	
	386	LE
» A STR_DATA, A2		
	387	
» R AppendOutput	-	rite th
» e current string in A2 to the ou		
000012C8 4EB9 00002066	388	JS
» R PrintASCIIWord	; p	rint th
<pre>» e input word to output</pre>		
000012CE 6000 08C2	389	BR
» A Opcode_Finish		
000012D2	390	
000012D <mark>2</mark>	391	
00004000	200	
000012D2	392	0pcode
» _SUB:		
000012D2	393	LE

00001272         EORI.W #\$B67C, D0           00001276         ILLEGAL           00001278         DATA 6700           0000127A         EORI.W #\$B67C, A0           0000127E         RTS           00001280         DATA 6700           00001282         EORI.W #\$C67C, (A0)           00001283         CMP.W #\$0100, D3           00001286         DATA 6700           00001287         CMP.W #\$0000, D3           00001298         EORI.W #\$3606, \$C67C           00001290         CMP.W #\$3600, \$0           00001291         DATA 6700           00001292         EORI.W #\$6600, \$0           00001293         ORI.B #\$670, D0           000012AA EORI.W #\$6600, \$08BEBC7C           000012B2 SIMHALT         ORI.B #\$6700, A4           000012B4 DATA 6700         ORI.B #\$4579, D2           000012B5 ORI.B #\$4579, D2         ORI.B #\$4579, D2           000012B6 EORI.B #\$452329, D0         ORI.B #\$2329, D0           000012C2 JSR \$0000203A \$00002066         \$000012CE BRA \$00002066           000012C2 BRA \$00002066         \$000012CE BRA \$00002066           000012D2 LEA \$00002074, A2         \$000012D2 BROORD	ι.ιλι			
00001276	00001272	EORI.W	#\$B67C.	D0
00001278				
00001278				
00001278				
00001278				
00001278				
00001278				
00001278				
00001278				
0000127A         EORI.W         #\$B67C, A0           00001280         DATA         6700           00001282         EORI.W         #\$C67C, (A0)           00001286         BCLR         D0, D0           00001288         CMP.W         #\$0100, D3           0000128C         DATA         6700           0000128E         EORI.W         #\$3606, (A4)           0000129A         DATA         6700           0000129A         DATA         6700           0000129C         EORI.W         #\$3606, \$C67C           000012A2         ORI.B         #\$6700, D0           000012AA         EORI.W         #\$6600, \$08BEBC7C           000012B2         SIMHALT           000012B4         DATA         6700           000012B6         EORI.B         #\$6000, A4           000012BA         ORI.B         #\$45F9, D2           000012BB         ORI.B         #\$45F9, D2           000012BC         JSR         \$000023A           000012CE         BRA         08C2           000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2	00001276	ILLEGAL		
0000127A         EORI.W         #\$B67C, A0           00001280         DATA         6700           00001282         EORI.W         #\$C67C, (A0)           00001286         BCLR         D0, D0           00001288         CMP.W         #\$0100, D3           0000128C         DATA         6700           0000128E         EORI.W         #\$3606, (A4)           0000129A         DATA         6700           0000129A         DATA         6700           0000129C         EORI.W         #\$3606, \$C67C           000012A2         ORI.B         #\$6700, D0           000012AA         EORI.W         #\$6600, \$08BEBC7C           000012B2         SIMHALT           000012B4         DATA         6700           000012B6         EORI.B         #\$6000, A4           000012BA         ORI.B         #\$45F9, D2           000012BB         ORI.B         #\$45F9, D2           000012BC         JSR         \$000023A           000012CE         BRA         08C2           000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2				
0000127A         EORI.W         #\$B67C, A0           00001280         DATA         6700           00001282         EORI.W         #\$C67C, (A0)           00001286         BCLR         D0, D0           00001288         CMP.W         #\$0100, D3           0000128C         DATA         6700           0000128E         EORI.W         #\$3606, (A4)           0000129A         DATA         6700           0000129A         DATA         6700           0000129C         EORI.W         #\$3606, \$C67C           000012A2         ORI.B         #\$6700, D0           000012AA         EORI.W         #\$6600, \$08BEBC7C           000012B2         SIMHALT           000012B4         DATA         6700           000012B6         EORI.B         #\$6000, A4           000012BA         ORI.B         #\$45F9, D2           000012BB         ORI.B         #\$45F9, D2           000012BC         JSR         \$000023A           000012CE         BRA         08C2           000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2				
0000127A         EORI.W         #\$B67C, A0           00001280         DATA         6700           00001282         EORI.W         #\$C67C, (A0)           00001286         BCLR         D0, D0           00001288         CMP.W         #\$0100, D3           0000128C         DATA         6700           0000128E         EORI.W         #\$3606, (A4)           0000129A         DATA         6700           0000129A         DATA         6700           0000129C         EORI.W         #\$3606, \$C67C           000012A2         ORI.B         #\$6700, D0           000012AA         EORI.W         #\$6600, \$08BEBC7C           000012B2         SIMHALT           000012B4         DATA         6700           000012B6         EORI.B         #\$6000, A4           000012BA         ORI.B         #\$45F9, D2           000012BB         ORI.B         #\$45F9, D2           000012BC         JSR         \$000023A           000012CE         BRA         08C2           000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2				
0000127E         RTS           00001280         DATA         6700           00001282         EORI.W         #\$C67C, (A0)           00001286         BCLR         D0, D0           00001288         CMP.W         #\$0100, D3           0000128C         DATA         6700           0000128E         EORI.W         #\$3606, (A4)           0000129A         DATA         6700           0000129C         EORI.W         #\$3606, \$C67C           000012A2         ORI.B         #\$867C, D0           000012A6         ORI.B         #\$6700, D0           000012AA         EORI.W         #\$6600, \$08BEBC7C           000012B2         SIMHALT           000012B4         DATA         6700           000012BA         ORI.B         #\$6000, A4           000012BA         ORI.B         #\$45F9, D2           000012BB         ORI.B         #\$2329, D0           000012CE         JSR         \$000023A           000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2	00001278	DATA	6700	
0000127E         RTS           00001280         DATA         6700           00001282         EORI.W         #\$C67C, (A0)           00001286         BCLR         D0, D0           00001288         CMP.W         #\$0100, D3           0000128C         DATA         6700           0000128E         EORI.W         #\$3606, (A4)           0000129A         DATA         6700           0000129C         EORI.W         #\$3606, \$C67C           000012A2         ORI.B         #\$867C, D0           000012A6         ORI.B         #\$6700, D0           000012AA         EORI.W         #\$6600, \$08BEBC7C           000012B2         SIMHALT           000012B4         DATA         6700           000012BA         ORI.B         #\$6000, A4           000012BA         ORI.B         #\$45F9, D2           000012BB         ORI.B         #\$2329, D0           000012CE         JSR         \$000023A           000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2	0000127A	EORI.W	#\$B67C,	A0
00001280       DATA       6700         00001282       EORI.W       #\$C67C, (A0)         00001286       BCLR       D0, D0         00001288       CMP.W       #\$0100, D3         0000128C       DATA       6700         0000128E       EORI.W       #\$3606, (A4)         0000129A       DATA       6700         0000129C       EORI.W       #\$3606, \$C67C         000012A2       ORI.B       #\$867C, D0         000012A6       ORI.B       #\$6700, D0         000012AA       EORI.W       #\$6600, \$08BEBC7C         000012B2       SIMHALT         000012B4       DATA       6700         000012B6       EORI.B       #\$6000, A4         000012BA       ORI.B       #\$45F9, D2         000012BE       ORI.B       #\$2329, D0         000012C2       JSR       \$0000203A         000012C8       JSR       \$00002066         000012CE       BRA       08C2         000012D2       LEA       \$000023F4, A2				
00001282       EORI.W #\$C67C, (A0)         00001286       BCLR D0, D0         00001288 CMP.W #\$0100, D3         0000128C DATA 6700         0000128E EORI.W #\$3606, (A4)         0000129A DATA 6700         0000129C EORI.W #\$3606, \$C67C         000012A2 ORI.B #\$867C, D0         000012AA EORI.W #\$6600, \$08BEBC7C         000012B2 SIMHALT         000012B4 DATA 6700         000012B4 DATA 6700         000012B4 DATA 6700         000012B5 SIMHALT         000012B6 EORI.B #\$6000, A4         000012B7 ORI.B #\$45F9, D2         000012B8 ORI.B #\$45F9, D2         000012B8 ORI.B #\$2329, D0         000012C2 JSR \$0000203A         000012C8 JSR \$00002066         000012CE BRA 08C2         000012D2 LEA \$000023F4, A2			6700	
00001286 BCLR D0, D0 00001288 CMP.W #\$0100, D3 0000128C DATA 6700  0000128E EORI.W #\$3606, (A4)  00001296 CMP.W #\$0000, D3 0000129A DATA 6700 0000129C EORI.W #\$3606, \$C67C 000012A2 ORI.B #\$867C, D0 000012A6 ORI.B #\$6700, D0 000012AA EORI.W #\$6600, \$08BEBC7C 000012B2 SIMHALT 000012B4 DATA 6700 000012B4 DATA 6700 000012B4 ORI.B #\$6900, A4 000012B4 ORI.B #\$45F9, D2 000012B6 EORI.B #\$45F9, D2 000012B6 ORI.B #\$45F9, D2 000012B6 ORI.B #\$45F9, D2 000012B6 ORI.B #\$45F9, D2 000012C2 JSR \$0000203A 000012C2 JSR \$00002066 000012CE BRA 08C2 000012D2 LEA \$000023F4, A2				(AA)
00001288       CMP.W       #\$0100, D3         0000128C       DATA       6700         0000128E       EORI.W       #\$3606, (A4)         0000129E       CMP.W       #\$0000, D3         0000129A       DATA       6700         0000129C       EORI.W       #\$3606, \$C67C         000012A2       ORI.B       #\$867C, D0         000012A6       ORI.B       #\$6700, D0         000012B2       SIMHALT         000012B4       DATA       6700         000012BA       DATA       6700         000012BA       ORI.B       #\$6000, A4         000012BA       ORI.B       #\$45F9, D2         000012BB       ORI.B       #\$435P9, D2         000012BE       ORI.B       #\$2329, D0	00001202	LONT.W	"#CO/C;	(10)
00001288       CMP.W       #\$0100, D3         0000128C       DATA       6700         0000128E       EORI.W       #\$3606, (A4)         0000129E       CMP.W       #\$0000, D3         0000129A       DATA       6700         0000129C       EORI.W       #\$3606, \$C67C         000012A2       ORI.B       #\$867C, D0         000012A6       ORI.B       #\$6700, D0         000012B2       SIMHALT         000012B4       DATA       6700         000012BA       DATA       6700         000012BA       ORI.B       #\$6000, A4         000012BA       ORI.B       #\$45F9, D2         000012BB       ORI.B       #\$435P9, D2         000012BE       ORI.B       #\$2329, D0				
00001288       CMP.W       #\$0100, D3         0000128C       DATA       6700         0000128E       EORI.W       #\$3606, (A4)         0000129E       CMP.W       #\$0000, D3         0000129A       DATA       6700         0000129C       EORI.W       #\$3606, \$C67C         000012A2       ORI.B       #\$867C, D0         000012A6       ORI.B       #\$6700, D0         000012B2       SIMHALT         000012B4       DATA       6700         000012BA       DATA       6700         000012BA       ORI.B       #\$6000, A4         000012BA       ORI.B       #\$45F9, D2         000012BB       ORI.B       #\$435P9, D2         000012BE       ORI.B       #\$2329, D0				
00001288       CMP.W       #\$0100, D3         0000128C       DATA       6700         0000128E       EORI.W       #\$3606, (A4)         0000129E       CMP.W       #\$0000, D3         0000129A       DATA       6700         0000129C       EORI.W       #\$3606, \$C67C         000012A2       ORI.B       #\$867C, D0         000012A6       ORI.B       #\$6700, D0         000012B2       SIMHALT         000012B4       DATA       6700         000012BA       DATA       6700         000012BA       ORI.B       #\$6000, A4         000012BA       ORI.B       #\$45F9, D2         000012BB       ORI.B       #\$435P9, D2         000012BE       ORI.B       #\$2329, D0				
00001288       CMP.W       #\$0100, D3         0000128C       DATA       6700         0000128E       EORI.W       #\$3606, (A4)         0000129E       CMP.W       #\$0000, D3         0000129A       DATA       6700         0000129C       EORI.W       #\$3606, \$C67C         000012A2       ORI.B       #\$867C, D0         000012A6       ORI.B       #\$6700, D0         000012B2       SIMHALT         000012B4       DATA       6700         000012BA       DATA       6700         000012BA       ORI.B       #\$6000, A4         000012BA       ORI.B       #\$45F9, D2         000012BB       ORI.B       #\$435P9, D2         000012BE       ORI.B       #\$2329, D0	00001206	DCI D	DQ DQ	
0000128C       DATA       6700         0000128E       EORI.W       #\$3606, (A4)         00001292       MULS       #\$0800, D3         00001296       CMP.W       #\$0000, D3         0000129A       DATA       6700         0000129C       EORI.W       #\$3606, \$C67C         000012A2       ORI.B       #\$867C, D0         000012A6       ORI.B       #\$6700, D0         000012B2       SIMHALT         000012B4       DATA       6700         000012B4       DATA       6700         000012BA       ORI.B       #\$6000, A4         000012BA       ORI.B       #\$45F9, D2         000012BB       ORI.B       #\$2329, D0         000012C2       JSR       \$0000203A         000012C8       JSR       \$00002066         000012CE       BRA       08C2         000012D2       LEA       \$000023F4, A2				D2
0000128E EORI.W #\$3606, (A4)  00001292 MULS #\$0800, D3 00001296 CMP.W #\$0000, D3 0000129A DATA 6700 0000129C EORI.W #\$3606, \$C67C 000012A2 ORI.B #\$8670, D0 000012A6 ORI.B #\$6700, D0 000012AA EORI.W #\$6600, \$08BEBC7C 000012B2 SIMHALT 000012B2 SIMHALT 000012B4 DATA 6700 000012B6 EORI.B #\$6000, A4 000012BA ORI.B #\$45F9, D2 000012BE ORI.B #\$45F9, D2 000012BE ORI.B #\$2329, D0  000012C2 JSR \$0000203A 000012C2 JSR \$0000203A 000012CE BRA 08C2 000012D2 LEA \$000023F4, A2				U3
00001292 MULS #\$0800, D3 00001296 CMP.W #\$0000, D3 0000129A DATA 6700 0000129C EORI.W #\$3606, \$C67C 000012A2 ORI.B #\$867C, D0 000012A6 ORI.B #\$6700, D0 000012AA EORI.W #\$6600, \$08BEBC7C 000012B2 SIMHALT 000012B4 DATA 6700 000012B4 DATA 6700 000012B6 EORI.B #\$6000, A4 000012BA ORI.B #\$45F9, D2 000012BB ORI.B #\$45F9, D2 000012BB ORI.B #\$2329, D0  000012C2 JSR \$0000203A 000012C2 JSR \$00002066 000012CE BRA 08C2 000012D2 LEA \$000023F4, A2	0000128C	DATA	6/00	
00001292 MULS #\$0800, D3 00001296 CMP.W #\$0000, D3 0000129A DATA 6700 0000129C EORI.W #\$3606, \$C67C 000012A2 ORI.B #\$867C, D0 000012A6 ORI.B #\$6700, D0 000012AA EORI.W #\$6600, \$08BEBC7C 000012B2 SIMHALT 000012B4 DATA 6700 000012B4 DATA 6700 000012B6 EORI.B #\$6000, A4 000012BA ORI.B #\$45F9, D2 000012BB ORI.B #\$45F9, D2 000012BB ORI.B #\$2329, D0  000012C2 JSR \$0000203A 000012C2 JSR \$00002066 000012CE BRA 08C2 000012D2 LEA \$000023F4, A2				
00001296         CMP.W         #\$0000, D3           0000129A         DATA         6700           0000129C         EORI.W         #\$3606, \$C67C           000012A2         ORI.B         #\$867C, D0           000012A6         ORI.B         #\$6700, D0           000012AA         EORI.W         #\$6600, \$08BEBC7C           000012B2         SIMHALT           000012B4         DATA         6700           000012B6         EORI.B         #\$45F9, D2           000012BA         ORI.B         #\$42329, D0           000012C2         JSR         \$0000203A           000012C8         JSR         \$00002066           000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2	0000128E	EORI.W	#\$3606,	(A4)
00001296         CMP.W         #\$0000, D3           0000129A         DATA         6700           0000129C         EORI.W         #\$3606, \$C67C           000012A2         ORI.B         #\$867C, D0           000012A6         ORI.B         #\$6700, D0           000012AA         EORI.W         #\$6600, \$08BEBC7C           000012B2         SIMHALT           000012B4         DATA         6700           000012B6         EORI.B         #\$45F9, D2           000012BA         ORI.B         #\$42329, D0           000012C2         JSR         \$0000203A           000012C8         JSR         \$00002066           000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2				
00001296         CMP.W         #\$0000, D3           0000129A         DATA         6700           0000129C         EORI.W         #\$3606, \$C67C           000012A2         ORI.B         #\$867C, D0           000012A6         ORI.B         #\$6700, D0           000012AA         EORI.W         #\$6600, \$08BEBC7C           000012B2         SIMHALT           000012B4         DATA         6700           000012B6         EORI.B         #\$45F9, D2           000012BA         ORI.B         #\$42329, D0           000012C2         JSR         \$0000203A           000012C8         JSR         \$00002066           000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2				
00001296         CMP.W         #\$0000, D3           0000129A         DATA         6700           0000129C         EORI.W         #\$3606, \$C67C           000012A2         ORI.B         #\$867C, D0           000012A6         ORI.B         #\$6700, D0           000012AA         EORI.W         #\$6600, \$08BEBC7C           000012B2         SIMHALT           000012B4         DATA         6700           000012B6         EORI.B         #\$45F9, D2           000012BA         ORI.B         #\$42329, D0           000012C2         JSR         \$0000203A           000012C8         JSR         \$00002066           000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2				
00001296         CMP.W         #\$0000, D3           0000129A         DATA         6700           0000129C         EORI.W         #\$3606, \$C67C           000012A2         ORI.B         #\$867C, D0           000012A6         ORI.B         #\$6700, D0           000012AA         EORI.W         #\$6600, \$08BEBC7C           000012B2         SIMHALT           000012B4         DATA         6700           000012B6         EORI.B         #\$45F9, D2           000012BA         ORI.B         #\$42329, D0           000012C2         JSR         \$0000203A           000012C8         JSR         \$00002066           000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2				
00001296         CMP.W         #\$0000, D3           0000129A         DATA         6700           0000129C         EORI.W         #\$3606, \$C67C           000012A2         ORI.B         #\$867C, D0           000012A6         ORI.B         #\$6700, D0           000012AA         EORI.W         #\$6600, \$08BEBC7C           000012B2         SIMHALT           000012B4         DATA         6700           000012B6         EORI.B         #\$45F9, D2           000012BA         ORI.B         #\$42329, D0           000012C2         JSR         \$0000203A           000012C8         JSR         \$00002066           000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2				
00001296         CMP.W         #\$0000, D3           0000129A         DATA         6700           0000129C         EORI.W         #\$3606, \$C67C           000012A2         ORI.B         #\$867C, D0           000012A6         ORI.B         #\$6700, D0           000012AA         EORI.W         #\$6600, \$08BEBC7C           000012B2         SIMHALT           000012B4         DATA         6700           000012B6         EORI.B         #\$45F9, D2           000012BA         ORI.B         #\$42329, D0           000012C2         JSR         \$0000203A           000012C8         JSR         \$00002066           000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2				
00001296         CMP.W         #\$0000, D3           0000129A         DATA         6700           0000129C         EORI.W         #\$3606, \$C67C           000012A2         ORI.B         #\$867C, D0           000012A6         ORI.B         #\$6700, D0           000012AA         EORI.W         #\$6600, \$08BEBC7C           000012B2         SIMHALT           000012B4         DATA         6700           000012B6         EORI.B         #\$45F9, D2           000012BA         ORI.B         #\$42329, D0           000012C2         JSR         \$0000203A           000012C8         JSR         \$00002066           000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2				
00001296         CMP.W         #\$0000, D3           0000129A         DATA         6700           0000129C         EORI.W         #\$3606, \$C67C           000012A2         ORI.B         #\$867C, D0           000012A6         ORI.B         #\$6700, D0           000012AA         EORI.W         #\$6600, \$08BEBC7C           000012B2         SIMHALT           000012B4         DATA         6700           000012B6         EORI.B         #\$45F9, D2           000012BA         ORI.B         #\$42329, D0           000012C2         JSR         \$0000203A           000012C8         JSR         \$00002066           000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2				
00001296         CMP.W         #\$0000, D3           0000129A         DATA         6700           0000129C         EORI.W         #\$3606, \$C67C           000012A2         ORI.B         #\$867C, D0           000012A6         ORI.B         #\$6700, D0           000012AA         EORI.W         #\$6600, \$08BEBC7C           000012B2         SIMHALT           000012B4         DATA         6700           000012B6         EORI.B         #\$45F9, D2           000012BA         ORI.B         #\$42329, D0           000012C2         JSR         \$0000203A           000012C8         JSR         \$00002066           000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2				
00001296         CMP.W         #\$0000, D3           0000129A         DATA         6700           0000129C         EORI.W         #\$3606, \$C67C           000012A2         ORI.B         #\$867C, D0           000012A6         ORI.B         #\$6700, D0           000012AA         EORI.W         #\$6600, \$08BEBC7C           000012B2         SIMHALT           000012B4         DATA         6700           000012B6         EORI.B         #\$45F9, D2           000012BA         ORI.B         #\$42329, D0           000012C2         JSR         \$0000203A           000012C8         JSR         \$00002066           000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2	000012 <mark>9</mark> 2	MULS	#\$0800,	<b>D</b> 3
0000129A         DATA         6700           0000129C         EORI.W         #\$3606, \$C67C           000012A2         ORI.B         #\$867C, D0           000012A6         ORI.B         #\$6700, D0           000012AA         EORI.W         #\$6600, \$08BEBC7C           000012B2         SIMHALT           000012B4         DATA         6700           000012B6         EORI.B         #\$45F9, D2           000012BA         ORI.B         #\$2329, D0           000012C2         JSR         \$0000203A           000012C8         JSR         \$00002066           000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2	00001296	CMP.W		D3
0000129C				
000012A2         ORI.B         #\$867C, D0           000012A6         ORI.B         #\$6700, D0           000012AA         EORI.W         #\$6600, \$08BEBC7C           000012B2         SIMHALT           000012B4         DATA         6700           000012B6         EORI.B         #\$6000, A4           000012BA         ORI.B         #\$45F9, D2           000012BE         ORI.B         #\$2329, D0           000012C2         JSR         \$0000203A           000012C8         JSR         \$00002066           000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2	0000222			\$C67C
000012A6         ORI.B         #\$6700, D0           000012AA         EORI.W         #\$6600, \$08BEBC7C           000012B2         SIMHALT           000012B4         DATA         6700           000012B6         EORI.B         #\$6000, A4           000012BA         ORI.B         #\$45F9, D2           000012BE         ORI.B         #\$2329, D0           000012C2         JSR         \$0000203A           000012C8         JSR         \$00002066           000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2				
000012AA       EORI.W       #\$6600, \$08BEBC7C         000012B2       SIMHALT         000012B4       DATA       6700         000012B6       EORI.B       #\$6000, A4         000012BA       ORI.B       #\$45F9, D2         000012BE       ORI.B       #\$2329, D0         000012C2       JSR       \$0000203A         000012C8       JSR       \$00002066         000012CE       BRA       08C2         000012D2       LEA       \$000023F4, A2				
000012B2         SIMHALT           000012B4         DATA 6700           000012B6         EORI.B #\$6000, A4           000012BA         ORI.B #\$45F9, D2           000012BE         ORI.B #\$2329, D0           000012C2         JSR \$0000203A           000012C8         JSR \$00002066           000012CE         BRA 08C2           000012D2         LEA \$000023F4, A2				
000012B4         DATA         6700           000012B6         EORI.B         #\$6000, A4           000012BA         ORI.B         #\$45F9, D2           000012BE         ORI.B         #\$2329, D0           000012C2         JSR         \$0000203A           000012C8         JSR         \$00002066           000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2				⊅AQRERC\C
000012B6         EORI.B         #\$6000, A4           000012BA         ORI.B         #\$45F9, D2           000012BE         ORI.B         #\$2329, D0           000012C2         JSR         \$0000203A           000012C8         JSR         \$00002066           000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2				
000012BA       ORI.B       #\$45F9, D2         000012BE       ORI.B       #\$2329, D0         000012C2       JSR       \$0000203A         000012C8       JSR       \$00002066         000012CE       BRA       08C2         000012D2       LEA       \$000023F4, A2				
000012BE       ORI.B       #\$2329, D0         000012C2       JSR       \$0000203A         000012C8       JSR       \$00002066         000012CE       BRA       08C2         000012D2       LEA       \$000023F4, A2				
000012C2 JSR \$0000203A 000012C8 JSR \$00002066 000012CE BRA 08C2 000012D2 LEA \$000023F4, A2	000012BA		_	
000012C8       JSR       \$00002066         000012CE       BRA       08C2         000012D2       LEA       \$000023F4, A2	000012 <mark>BE</mark>	ORI.B	<b>#\$2329</b> ,	D0
000012C8       JSR       \$00002066         000012CE       BRA       08C2         000012D2       LEA       \$000023F4, A2				
000012CE         BRA         08C2           000012D2         LEA         \$000023F4, A2	000012C2	JSR		\$0000203A
000012D2 LEA \$000023F4, A2	000012C8	JSR		\$00002066
· · · · · · · · · · · · · · · · · · ·	000012CE	BRA	08C2	
Beyond Compare v4.2.10	000012D2	LEA		\$000023F4, A2
				Beyond Compare v4.2.10

(continued	1)
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(continued)							
	STR_SUB, A2						
	4EB9 0000203A		JS	000012D8	JSR		\$0000203A
	AppendOutput						
	nt string in A2 to the ou		_				
	4EB9 00001D6E		JS	000012DE	JSR		\$00001D6E
	Opcode_AppendSizeSuffi						
000012E4		396	МО	000012E4	MOVE.W	D6, D3	
		; move	wor				
» d value							
		397		000012E6	MULS	<b>#\$</b> 0100,	D3
•	#MASK_8, D3	; mask	bit				
» 8	P.676, 0000	200	CM	00001354	CMD II	#40000	D2
		398	CM	000012EA	CMP.W	#\$0000,	<b>υ</b> 3
•	#\$0000,D3	; compare	W1				
» th 0	6600 0010	200	DN	00001355	DATA	CC00	
		399	BN	000012EE	DATA	6600	
% E 000012F2	SUB_EA_DN_EA	400 CUD	DN	00001250	ORI.B	## 4 5 8 0	(40)
		400 SUB	_	000012F <mark>0</mark>	OK1.B	#\$4EB9,	(A0)+
<pre>» _EA_DN: » -&gt; Dn</pre>	; case	Dn + <e< td=""><td>d&gt;</td><td></td><td></td><td></td><td></td></e<>	d>				
	4EB9 00001BB2	401	JS	000012F4	OPT D	# <b>\$</b> 1BB2,	DQ
	EA AppendMXn	401	33	000012F4	OKI.B	#ФІООС,	De
		402	JS	000012F8	JSR		\$00001EC6
	AppendComma	402	33	00001218	331(		POODOILCO
	4EB9 00001E6E	403	JS	000012FE	JSR		\$00001E6E
» R	Dn	405	33	0000121 L	3310		POOOOILOL
	6000 088C	404	BR	00001304	BRA	088C	
	Opcode_Finish	707		0000130-1	DIVA	0000	
00001308	opeouc_: 113	405 SUB	FA				
» _DN_EA:	: case	<ea> + D</ea>	_				
» > <ea></ea>	,						
	4EB9 00001E6E	406	JS	00001308	JSR		\$00001E6E
	Dn						
0000130E	4EB9 00001EC6	407	JS	0000130E	JSR		\$00001EC6
» R	AppendComma						
	4EB9 00001BB2	408	JS	00001314	JSR		\$00001BB2
» R	EA_AppendMXn						
0000131A	6000 0876	409	BR				
» A	Opcode_Finish						
0000131 <mark>E</mark>		410		0000131 <mark>A</mark>	BRA	0876	
0000131E		411 Opc	ode				
» _SUBQ:							
0000131E	<b>45F9</b> 000023F9	412	LE	0000131E	LEA		\$000023F9, A2
» A	STR_SUBQ, A2						
	4EB9 0000203A	<b>41</b> 3	JS	00001324	JSR		\$0000203A
» R	AppendOutput	; write	SU				
	he output string						*****
	4EB9 00001D6E	414	JS	0000132A	JSR		\$00001D6E
» R	Opcode_AppendSizeSuffi		7.0	00001222	7.0-		400001
	4EB9 00001ED4	415	JS	00001330	JSR		\$00001ED4
» R	Data11109	44.6	7.6	00001225	7.60		<b>†</b> 00004505
00001336	4EB9 00001EC6	<b>41</b> 6	JS	00001336	JSR		\$00001EC6  Beyond Compare v4.2.10
							Deyona Compare v4.2.10

10	ontini	الممار
(0	OHUH	u <del>c</del> u,

» R	AnnondComma		
	AppendComma	417	7.0
	4EB9 00001BB2	417	JS
» R	EA_AppendMXn	440	
00001342		418	BR
» A	Opcode_Finish		
00001346		419	
00001346		<b>4</b> 20	
00001346		421	0pcode
» _ADDQ:			
00001346	45F9 000022E7	422	LE
» A	STR_ADDQ, A2		
0000134C	4EB9 0000203A	423	JS
» R	AppendOutput	; W	rite AD
» DQ to t	he output string		
	4EB9 00001D6E	424	JS
» R	Opcode_AppendSizeSu	ffix	
00001358	4EB9 00001ED4	425	JS
» R	Data11109		
	4EB9 00001EC6	426	JS
» R	AppendComma	420	33
	4EB9 00001BB2	427	JS
		427	12
» R	EA_AppendMXn	420	D.D.
0000136A	6000 0826	428	BR
» A	Opcode_Finish		
0000136E		429	
0000136E		430	Opcode
» _MULS:			
	<b>45F9</b> 000023BB	431	LE
» A	STR_MULS, A2		
00001374	4EB9 0000203A	432	JS
» R	AppendOutput	; W	rite MU
» LS to t	he output string		
0000137A	4EB9 00001FBA	433	JS
» R	OpcodeSize SetToWor	d	
00001380	4EB9 00001BB2	434	JS
» R	EA_AppendMXn		
00001386	4EB9 00001EC6	435	JS
» R	AppendComma		
0000138C	4EB9 00001E6E	436	JS
» R	Dn	430	33
00001392	6000 07FE	437	BR
» A	Opcode_Finish	457	DIX
	opcode_i iliisii	438	
00001396			
00001396		439	00000
00001396		440	Opcode
» _ORI:	4550 00000000		
-	45F9 000023D2	441	LE
» A	STR_ORI, A2		
	4EB9 0000203A	442	JS
» R	AppendOutput		rite th
	nt string in A2 to the		_
000013A2	4EB9 00001D6E	443	JS

0000133C	JSR		\$00001BB2
00001342	BRA	084E	
00001346	LEA		\$000022E7, A2
0000134C	JSR		\$0000203A
00001352	JSR		\$00001D6E
00001358	JSR		\$00001ED4
0000135E	JSR		<b>\$</b> 00001EC6
00001364	JSR		\$00001BB <mark>2</mark>
0000136A	BRA	0826	
0000136E	LEA		\$000023BB, A2
00001374	JSR		\$000020 <b>3</b> A
0000137A	JSR		\$00001FBA
00001380	JSR		\$00001BB2
00001386	JSR		<b>\$</b> 00001EC6
0000138C	JSR		\$00001E6E
00001392	BRA	<b>0</b> 7F <b>E</b>	
00001396	LEA		\$000023D2, A2
0000139C	JSR		\$0000203A
000013A2	JSR		\$00001D6E
000013AZ	JSK		PARAGINE

(continued)	0	· ·		1				
» K	Opcode_AppendSizeSuf							
	B87C 0000	444	CM	(	000013A8	CMP.W	#\$0000,	D4
	#\$0000, D4							
000013AC	67 <mark>00</mark> 002E	445	BE		000013AC	DATA	6700	
» Q	ORI_B	; if 9	size					
» == byte	then fetch next byte							
000013B0	B87C 0001	<b>44</b> 6	CM		000013 <mark>AE</mark>	ORI.B	#\$B87C,	<b>\$</b> 00016 <b>7</b> 00
» P.W	#\$0001, D4							
		447	BE		000013B6	ORI.W	#\$4EB8.	A2
» Q		; if 9					, ,	
	then fetch next word	,						
000013B8	enen recen nexe nor u	448 OF	RT 1 •					
»	; if							
		3126	Long					
	tch next long	440	7.0					
	4EB8 107E	449	JS					
	Get_Next_Long_D7							
	45F9 000 <mark>022CB</mark>	450	LE	(	000013B <mark>A</mark>	MOVEA.B	\$45F900	00, A <mark>0</mark>
» A	STRINGPOUNDHEX, A2							
					000013C0	MOVE.L	A3, (A1	)+
000013C2	4EB9 0000203A	451	JS		000013C2	JSR		\$0000203A
» R	AppendOutput	; pri	nt "#					
» \$"								
000013C8	3806	452	МО		000013C8	MOVE.W	D6, D4	
	D6, <mark>D4</mark>	: temp sto	ore w				•	
» ord in I		, ,						
000013CA		453	МО		000013CA	MOVE.L	D7 D6	
	D7, D6				000013CA	1101212	D7, D0	
» mediate		, move 101	ıg ıııı					
		454	7.0		00001366	1CD		<b>t</b> 000000004
	4EB9 000020C4	454	JS	'	000013CC	JSR		\$000020C4
	PrintASCIILong		7.0		00004350	765		<b>†</b> 00004564
		455	JS		000013D2	JSR		\$00001FCA
	OpcodeSize_SetToLong							
	6000 004A	456	BR	(	000013D8	BRA	004A	
1	ORI_END							
000013DC		457 OF	RI_B:		000013DC	JSR		\$1078
000013DC	4EB8 1078	458	JS					
» R	Get_Next_Word_D7							
000013E0	45F9 000022CB	459	LE		000013E0	LEA		<b>\$</b> 000022CB, A2
» A	STRINGPOUNDHEX, A2							
000013E6	4EB9 0000203A	460	JS		000013E6	JSR		\$0000203A
	AppendOutput	; pri						•
» \$"		, , ,						
000013EC	3806	461	МО		000013EC	MOVE.W	D6 D4	
			-		00001310	PIOVE . W	DO, D4	
» VE.W		; temp sto	n.e M					
» ord in I		460			00001355	MOVE	D7 56	
000013EE		462	MO		000013EE	MOVE.W	D/, D6	
» VE.W		; move wor	^d im					
» mediate								
000013F0	4EB9 00002066	463	JS		000013F0	JSR		<b>\$</b> 00002066
» R	PrintASCIIWord							
000013F6	4EB9 00001FAA	464	JS		000013F6	JSR		\$00001FAA
» R	OpcodeSize_SetToByte							

(continued)
000013FC

(continued)				
	6000 0026		465	BR
» A	ORI_END			
00001400			466	ORI_W:
00001400	4EB8 1078		467	JS
» R	Get_Next_Word_D7			
00001404			468	LE
» A	STRINGPOUNDHEX, A2			
	4EB9 0000203A		469	JS
» R	AppendOutput			orint "#
» \$"	Аррениои срис		ا ر	л тис #
00001410	2906		470	МО
» VE.W		j	cemp	store w
» ord in [			474	
00001412			471	_
» VE.W		;	move	word im
» mediate				
	4EB9 00002066		472	JS
» R	PrintASCIIWord			
0000141A	4EB9 00001FBA		473	JS
» R	OpcodeSize_SetToWor	d		
00001420	6000 0002		474	BR
» A	ORI END			
00001424			475	ORI_EN
» D:				
00001424			476	
00001424	3004		477	МО
» VE.W	D4, D6			rt word
	D4, D6	ز	revei	't wor'u
» to D6	4500 00004566		470	7.0
	4EB9 00001EC6		478	JS
» R	AppendComma			
	4EB9 00001BB2		479	JS
» R	EA_AppendMXn			
00001432			480	BR
» A	Opcode_Finish			
00001436			481	
00001436			482	
00001436			483	0pcode
» _CMPI:				
_	45F9 00002323		484	LE
» A	STR_CMPI, A2			
	4EB9 0000203A		485	JS
» R	AppendOutput			write th
	nt string in A2 to the	01		
% e currer 00001442		U	486	JS
		٠		12
» R	Opcode_AppendSizeSu	TT:		Chi
	B87C 0000		487	CM
» P.W	#\$0000, D4			
	67 <mark>00</mark> 002E		488	
» Q	CMPI_B		;	if size
_	then fetch next byte			
00001450	B87C 0001		489	CM
» P.W	#\$0001, D4			

000013FC	BRA	0026	
00001400	JSR		\$1078
00001404	LEA		\$000022CB, A2
0000140A	JSR		\$0000203A
00001410	MOVE.W	D6, D4	
00001412	MOVE.W	D7, D6	
00001414	JSR		\$00002066
0000141A	JSR		\$00001FBA
00001420	BRA	0002	
00001120	2101	0002	
00001424	MOVE.W	D4, D6	
00001426	JSR		\$00001EC6
0000142C	JSR		\$00001BB2
00001432	BRA	075E	
00001436	LEA		\$00002323, A2
0000143C	JSR		\$0000203A
00001442	JSR		\$00001D6E
00001448	CMP.W	#\$0000,	D4
0000144C	DATA	6700	
0000144E	ORI.B	#\$B87C,	\$00016700

1	(continued)	
(	continuea)	

<pre>" Q</pre>	00001454	6700 004A	490	BE
## See word then fetch next word ## Word				
<pre>" :</pre>		<del>_</del>		
<pre>" :</pre>			491	CMPI L
<pre>" then fetch next long 00001458</pre>		: if		
00001458         4EB8 107E         492         JS           » R         Get_Next_Long_D7         0000145C         45F9 000022CB         493         LE           » A         STRINGPOUNDHEX, A2         STRINGPOUNDHEX, A2         STRINGPOUNDHEX, A2         AppendOutput         ; print "#           » R         AppendOutput         ; print "#         **         **           » R         AppendOutput         ; print "#         **           » WE.W         D6, D4         ; temp store w         **           » Ord in D4         0000146A         2C07         496         MO           » VE.L         D7, D6         ; move long im         **         **         mediate into D6         0000146C         4EB9 000020C4         497         JS         **         R         PrintASCIILong         0000147C         498         JS         JS         NR         OpcodeSize_SetToLong         0000147C         498         JS         NR         OpcodeSize_SetToLong         0000147C         500         CMPI_B         CMPI_B         NR         ACMPI_B         SR         SO         CMPI_B         NR         SO         CMPI_B         NR         SO         CMPI_B         NR         NR         AppendOutput         ; print "# <t< td=""><td>» then fet</td><td></td><td></td><td>6</td></t<>	» then fet			6
## R Get_Next_Long_D7  ## A STRINGPOUNDHEX, A2  ## AppendOutput ; print "#  ## ## ## ## ## ## ## ## ## ## ## ## #			492	JS
0000145C       45F9 000022CB       493       LE         » A       STRINGPOUNDHEX, A2       A2         00001462       4EB9 0000203A       494       JS         » R       AppendOutput       ; print "#         » \$"       00001468       3806       495       MO         » VE.W       D6, D4       ; temp store w         » ord in D4       0000146A       2C07       496       MO         » VE.L       D7, D6       ; move long im         » mediate into D6       0000146C       4EB9 000020C4       497       JS         » R       PrintASCIILong       00001472       4EB9 00001FCA       498       JS         » R       OpcodeSize_SetToLong       00001472       4EB8 00001FCA       498       JS         » R       OpcodeSize_SetToLong       500       CMPI_B         » :       0000147C       500       CMPI_B         » :       0000147C       500       CMPI_B         » R       Get_Next_Word_D7       500       CMPI_B         » A       STRINGPOUNDHEX, A2       2         00001480       45F9 000022CB       502       LE         » A       AppendOutput       ; print       #				
## A STRINGPOUNDHEX, A2  ## AppendOutput			193	LE
## Print Pri			433	
<pre>" R</pre>	<i>"</i> A	STRING CONDIEX, AZ		
<pre>" R</pre>	00001462	1EB0 00002031	101	٦٢
<pre>" \$" 00001468 3806</pre>				
00001468       3806       495       MO         » VE.W       D6, D4       ; temp store w         » ord in D4       0000146A       2C07       496       MO         » VE.L       D7, D6       ; move long im         » mediate into D6       0000146C       4EB9       000020C4       497       JS         » R       PrintASCIILong       00001472       4EB9       00001FCA       498       JS         » R       OpcodeSize_SetToLong       00001478       6000       004A       499       BR         » A       CMPI_END       500       CMPI_B         » :       0000147C       500       CMPI_B         » :       0000147C       500       CMPI_B         » :       0000147C       500       CMPI_B         » :       00001480       45F9       00002CB       502       LE         » A       STRINGPOUNDHEX, A2       200001486       4EB9       000020A       503       JS         » R       AppendOutput       ; print "#       ; print "#       *       *         00001480       3806       504       MO         » VE.W       D6, D4       ; temp store w         » ord in D4		Аррепаои срас	,	JI'IIIC #
<pre>" VE.W</pre>		2806	405	МО
<pre>" ord in D4 0000146A 2C07</pre>				
0000146A       2C07       496       MO         » VE.L       D7, D6       ; move long im         » mediate into D6       0000146C       4EB9 000020C4       497       JS         » R       PrintASCIILong       00001472       4EB9 00001FCA       498       JS         » R       OpcodeSize_SetToLong       00001478       6000 004A       499       BR         » A       CMPI_END       500 CMPI_B         » :       0000147C       500 CMPI_B         » :       60000147C       500 CMPI_B         » R       Get_Next_Word_D7       00001480       45F9 000022CB       502 LE         » A       STRINGPOUNDHEX, A2       00001486       4EB9 0000203A       503 JS         » R       AppendOutput       ; print "#         » \$"       0000148C       3806       504 MO         » VE.W       D6, D4       ; temp store w         » ord in D4       0000148E       3C07       505 MO         » VE.W       D7, D6       ; move word im         » mediate into D6       00001490       4EB9 00001FAA       507 JS         » R       OpcodeSize_SetToByte       0000149C       6000 0026       508 BR         » A       CMPI_END     <		•	; temp	store w
<pre>" VE.L D7, D6 ; move long im " mediate into D6 0000146C 4EB9 000020C4</pre>			405	
<pre>" mediate into D6 0000146C   4EB9 000020C4</pre>				
0000146C       4EB9       000020C4       497       JS         » R       PrintASCIILong       00001472       4EB9       00001FCA       498       JS         » R       OpcodeSize_SetToLong       00001478       6000       004A       499       BR         » A       CMPI_END       500       CMPI_B         0000147C       4EB8       1078       501       JS         » R       Get_Next_Word_D7       00001480       45F9       000022CB       502       LE         » A       STRINGPOUNDHEX, A2       200001486       4EB9       0000203A       503       JS         » R       AppendOutput       ; print       "#         » \$"       0000148C       3806       504       MO         » VE.W       D6, D4       ; temp store       w         » ord in D4       0000148E       3C07       505       MO         » VE.W       D7, D6       ; move word im         » mediate into D6       00001490       4EB9       00002066       506       JS         » R       PrintASCIIWord       00001496       4EB9       00001FAA       507       JS         » A       CMPI_END       509       CMPI_W <td></td> <td></td> <td>; move</td> <td>long im</td>			; move	long im
<pre>" R</pre>				
00001472       4EB9       00001FCA       498       JS         » R       OpcodeSize_SetToLong         00001478       6000       004A       499       BR         » A       CMPI_END       500       CMPI_B         » A       CMPI_END       500       CMPI_B         » :       0000147C       4EB8       1078       501       JS         » R       Get_Next_Word_D7       00001480       45F9       000022CB       502       LE         » A       STRINGPOUNDHEX, A2       200001486       4EB9       0000203A       503       JS         » R       AppendOutput       ; print "#         » \$"       0000148C       3806       504       MO         » VE.W       D6, D4       ; temp store w         » ord in D4       0000148E       3C07       505       MO         » VE.W       D7, D6       ; move word im         » mediate into D6       00001490       4EB9       0000266       506       JS         » R       PrintASCIIWord       00001496       4EB9       00001FAA       507       JS         » R       OpcodeSize_SetToByte       00001400       6000       0026       508       BR	1		497	JS
<pre>" R</pre>				
00001478 6000 004A 499 BR  "A CMPI_END  0000147C 500 CMPI_B  ":  0000147C 4EB8 1078 501 JS  "R Get_Next_Word_D7  00001480 45F9 000022CB 502 LE  "A STRINGPOUNDHEX, A2  00001486 4EB9 0000203A 503 JS  "R AppendOutput ; print "#  "\$"  0000148C 3806 504 MO  "VE.W D6, D4 ; temp store w  "ord in D4  0000148E 3C07 505 MO  "VE.W D7, D6 ; move word im  "mediate into D6  00001490 4EB9 00002066 506 JS  "R PrintASCIIWord  00001496 4EB9 00001FAA 507 JS  "R OpcodeSize_SetToByte  0000149C 6000 0026 508 BR  "A CMPI_END  000014A0 509 CMPI_W  ":  0000014A0 4EB8 1078 510 JS				JS
<pre>" A</pre>				
0000147C	00001478	6000 004A	499	BR
<pre>": 0000147C 4EB8 1078 501 JS " R</pre>	» A	CMPI_END		
0000147C       4EB8 1078       501       JS         » R       Get_Next_Word_D7       00001480       45F9 000022CB       502       LE         » A       STRINGPOUNDHEX, A2       00001486       4EB9 0000203A       503       JS         » R       AppendOutput       ; print "#         » \$"       0000148C       3806       504       MO         » VE.W       D6, D4       ; temp store w         » ord in D4       0000148E       3C07       505       MO         » VE.W       D7, D6       ; move word im         » mediate into D6       506       JS         00001490       4EB9 00002066       506       JS         » R       PrintASCIIWord         00001496       4EB9 00001FAA       507       JS         » R       OpcodeSize_SetToByte         0000149C       6000 0026       508       BR         » A       CMPI_END     O00014A0  4EB8 1078  500  CMPI_W  3CO  3CO  3CO  3CO  3CO  3CO  3CO  3C	0000147C		500	CMPI_B
<pre>" R</pre>	» :			
00001480 45F9 000022CB 502 LE  » A STRINGPOUNDHEX, A2 00001486 4EB9 0000203A 503 JS  » R AppendOutput ; print "#  » \$" 0000148C 3806 504 MO  » VE.W D6, D4 ; temp store w  » ord in D4 0000148E 3C07 505 MO  » VE.W D7, D6 ; move word im  » mediate into D6 00001490 4EB9 00002066 506 JS  » R PrintASCIIWord 00001496 4EB9 00001FAA 507 JS  » R OpcodeSize_SetToByte 0000149C 6000 0026 508 BR  » A CMPI_END  000014A0 509 CMPI_W  » : 000014A0 4EB8 1078 510 JS	0000147C	4EB8 1078	501	JS
<pre>" A STRINGPOUNDHEX, A2 00001486 4EB9 0000203A 503 JS " R</pre>	» R	Get_Next_Word_D7		
00001486 4EB9 0000203A 503 JS  » R AppendOutput ; print "#  » \$"  0000148C 3806 504 MO  » VE.W D6, D4 ; temp store w  » ord in D4  0000148E 3C07 505 MO  » VE.W D7, D6 ; move word im  » mediate into D6  00001490 4EB9 00002066 506 JS  » R PrintASCIIWord  00001496 4EB9 00001FAA 507 JS  » R OpcodeSize_SetToByte  0000149C 6000 0026 508 BR  » A CMPI_END  000014A0 4EB8 1078 510 JS	00001480	45F9 000022CB	502	LE
00001486 4EB9 0000203A 503 JS  » R AppendOutput ; print "#  » \$"  0000148C 3806 504 MO  » VE.W D6, D4 ; temp store w  » ord in D4  0000148E 3C07 505 MO  » VE.W D7, D6 ; move word im  » mediate into D6  00001490 4EB9 00002066 506 JS  » R PrintASCIIWord  00001496 4EB9 00001FAA 507 JS  » R OpcodeSize_SetToByte  0000149C 6000 0026 508 BR  » A CMPI_END  000014A0 4EB8 1078 510 JS	» A	STRINGPOUNDHEX, A2		
<pre>" R</pre>			503	JS
<pre>" \$" 0000148C 3806 504 MO " VE.W D6, D4 ; temp store w " ord in D4 0000148E 3C07 505 MO " VE.W D7, D6 ; move word im " mediate into D6 00001490 4EB9 00002066 506 JS " R PrintASCIIWord 00001496 4EB9 00001FAA 507 JS " R OpcodeSize_SetToByte 0000149C 6000 0026 508 BR " A CMPI_END</pre> 000014A0 509 CMPI_W " : 000014A0 4EB8 1078 510 JS			: r	
0000148C 3806 504 MO  » VE.W D6, D4 ; temp store w  » ord in D4  0000148E 3C07 505 MO  » VE.W D7, D6 ; move word im  » mediate into D6  00001490 4EB9 00002066 506 JS  » R PrintASCIIWord  00001496 4EB9 00001FAA 507 JS  » R OpcodeSize_SetToByte  0000149C 6000 0026 508 BR  » A CMPI_END  000014A0 509 CMPI_W  » :  000014A0 4EB8 1078 510 JS	» \$"	P.P. C. C. C. P. C.	, ,	
<pre>" VE.W</pre>		3806	504	MO
<pre>" ord in D4 0000148E 3C07 505 MO " VE.W D7, D6 ; move word im " mediate into D6 00001490 4EB9 00002066 506 JS " R</pre>				
0000148E       3C07       505       MO         » VE.W       D7, D6       ; move word im         » mediate into D6       00001490       4EB9 00002066       506       JS         » R       PrintASCIIWord       00001496       4EB9 00001FAA       507       JS         » R       OpcodeSize_SetToByte       0000149C       6000 0026       508       BR         » A       CMPI_END       509       CMPI_W         » :       000014A0       4EB8 1078       510       JS	1		, cep	2 00. C W
<pre>" VE.W D7, D6 ; move word im " mediate into D6 00001490  4EB9 00002066     506     JS " R</pre>			505	МО
<pre>" mediate into D6 00001490  4EB9 00002066</pre>				
00001490 4EB9 00002066 506 JS  » R PrintASCIIWord  00001496 4EB9 00001FAA 507 JS  » R OpcodeSize_SetToByte  0000149C 6000 0026 508 BR  » A CMPI_END  000014A0 509 CMPI_W  » :  000014A0 4EB8 1078 510 JS			, move	MOTOL TIII
<pre>» R</pre>			506	10
00001496  4EB9 00001FAA			200	13
<pre>" R</pre>	00001406	TEDO BOBOLEAN	E07	7.0
0000149C 6000 0026 508 BR  » A CMPI_END  000014A0 509 CMPI_W  » : 000014A0 4EB8 1078 510 JS			/שכ	12
<pre>» A</pre>			FOC	DD
000014A0 509 CMPI_W »: 000014A0 4EB8 1078 510 JS			208	RK
»: 000014A0 4EB8 1078 510 JS	» A	CMBT_END		
»: 000014A0 4EB8 1078 510 JS	00001440		F00	CMDT
000014A0 4EB8 1078 510 JS			509	CMPT_M
		4500 4070		
» K Get_Next_Word_D/			510	JS
	» R	Get_Next_Word_D7		

00001456	ORI.W	#\$4EB8,	A2
0000145 <mark>A</mark>	MOVEA.B	<b>\$</b> 45F900	00, A <mark>0</mark>
00001460 00001462	MOVE.L JSR	A3, (A1	)+ \$0000203A
00001402	331(		\$0000203A
00001468	MOVE.W	D6, D4	
0000146A	MOVE.L	D7, D6	
0000146C	JSR		\$000020C4
00001472	JSR		\$00001FCA
00001478	BRA	004A	
0000147C	JSR		\$1078
00001480	LEA		\$000022CB, A2
00001486	JSR		\$0000203A
0000148C	MOVE.W	D6, D4	
0000148E	MOVE.W	D7, D6	
00001490	JSR		\$00002066
00001496	JSR		\$00001FAA
000014 <mark>9C</mark>	BRA	0026	
000014A0	JSR		<b>\$</b> 1078

(continued)							
000014A4	45F9 000022CB	511	LE	000014A4	LEA		\$000022CB, A2
» A	STRINGPOUNDHEX, A2						
000014AA	4EB9 0000203A	512	JS	000014AA	JSR		\$0000203A
	AppendOutput	; print	"#				
» \$"							
000014B0		513	МО	000014B0	MOVE.W	D6, D4	
		temp stor	e w				
» ord in [							
000014B2		514	MO	000014B2	MOVE.W	D7, D6	
» VE.W		move word	im				
» mediate							
	4EB9 00002066	515	JS	000014B4	JSR		<b>\$</b> 00002066
	PrintASCIIWord						
	4EB9 00001FBA	516	JS	000014BA	JSR		\$00001FBA
» R	OpcodeSize_SetToWord						
	6000 0002	517	BR	000014C0	BRA	0002	
	CMPI_END						
000014C4		518 CMP	I_E				
» ND:							
000014C4		519	МО	000014C4	MOVE.W	D4, D6	
» VE.W	D4, D6 ;	revert wo	rd				
» to D6							*****
	4EB9 00001EC6	520	JS	000014C6	JSR		\$00001EC6
	AppendComma		7.0	00001.100	7.50		t00001550
	4EB9 00001BB2	521	JS	000014CC	JSR		\$00001BB2
	EA_AppendMXn	F22	D.D.				
	6000 06BE	522	BR				
» A	Opcode_Finish	F22		00001403	DDA	OCDE	
000014D6		523 524		000014D2	BRA	06BE	
000014D6 000014D6		525					
000014D6		525 526 Opc	odo				
» _EORI:		320 Opc	oue				
_	45F9 0000233C	527	LE	000014D6	LEA		\$0000233C, A2
	STR_EORI, A2	327	LL	00001400	LLA		Ψ0000233C, AZ
	4EB9 0000203A	528	JS	000014DC	JSR		\$0000203A
	AppendOutput			00001400	JJIN		Ψ0000203A
	nt string in A2 to the ou						
	4EB9 00001D6E	529	JS	000014E2	JSR		\$00001D6E
	Opcode AppendSizeSuffi			00014LZ	33K		#00001D0L
	B87C 0000	530	СМ	000014E8	CMP.W	#\$0000,	D4
	#\$0000, D4	330		3333 <u>1</u> 4 <u>1</u> 3	C. 11 • W	40000,	-
	67 <mark>00 002E</mark>	531	BE	000014EC	DATA	6700	
» Q		; if si		30002120	DATE:	3.00	
_	then fetch next byte	, 1, 51					
_	B87C 0001	532	СМ	000014 <mark>EE</mark>	ORI.B	# <b>\$</b> B87C	\$0001 <mark>67</mark> 00
	#\$0001, D4	JJ_	C. I	30002122	VII.15	4207 63	+ 30020, 00
	6700 004A	533	BE	000014F6	ORI.W	#\$4EB8,	A2
	EORI W	; if si			<b></b>		<u>-</u>
	then fetch next word	, _, 51					
000014F8		534 EOR	ΙL				
» :	; if s	size == lo	_				
	,		0	Ţ			D 10 101

w then for	tch next long				
	4EB8 107E		535		JS
			233		13
" K	Get_Next_Long_D7 45F9 000022CB		F 2 6		
			536		LE
» A	STRINGPOUNDHEX, A2				
00001502	4EB0 00002024		F 2 7		٦.
	4EB9 0000203A				
» к » \$"	AppendOutput		ا ز	orint	#
	2806		E 2.0		МО
00001508					_
» VE.W		j	cemp	store	· W
» ord in I			E 20		МО
0000150A				long	-
» VE.L		j	move	long	1111
» mediate			E 40		7.0
	4EB9 000020C4		540		JS
» K	PrintASCIILong 4EB9 00001FCA		F 44		7.0
			541		JS
» K	OpcodeSize_SetToLong 6000 004A		E 40		D.D.
			542		BR
	EORI_END		F 43	F001	
0000151C			543	EOR1	-R
»:	4500 4070		<b>544</b>		7.0
	4EB8 1078		544		JS
	Get_Next_Word_D7				
	45F9 000022CB		545		LE
» A	STRINGPOUNDHEX, A2				
	4EB9 0000203A		546		JS
	AppendOutput		;	orint	"#
» \$"					
0000152C					
» VE.W		;	temp	store	. W
» ord in I					
0000152E					MO
» VE.W		;	move	word	ım
» mediate					
	4EB9 00002066		549		JS
» R	PrintASCIIWord				
	4EB9 00001FAA		550		JS
» R	OpcodeSize_SetToByte				
0000153C	6000 0026		551		BR
» A	EORI_END				
00001540			552	EOR1	W
» :					
00001540	4EB8 1078		553		JS
» R	Get_Next_Word_D7				
00001544			554		LE
» A	STRINGPOUNDHEX, A2				
0000154A	4EB9 0000203A		555		JS
» R	AppendOutput		; ;	orint	"#
» \$"					
00001550	3806		556		МО

000014F <mark>A</mark>	MOVEA.B	\$45F9000	00, A <mark>0</mark>
00001500	MOVE.L	A3, (A1	)+
00001502	JSR		\$0000203A
00001508	MOVE.W	D6, D4	
0000150A	MOVE.L	D7, D6	
0000150C	JSR		\$000020C4
00001512	JSR		\$00001FCA
00001518	BRA	004A	
0000151C	JSR		\$1078
00001520	LEA		\$000022CB, A2
00001526	JSR		\$0000203A
0000152C	MOVE.W	D6, D4	
0000152E	MOVE.W	D7, D6	
00001530	JSR		\$00002066
00001536	JSR		\$00001FAA
0000153C	BRA	0026	
00001540	JSR		\$1078
00001544	LEA		\$000022CB, A2
0000154A	JSR		\$0000203A
00001550	MOVE.W	D6, D4	Beyond Compare v4.2.10

(continued)				
» VE.W	D6, <mark>D4</mark>	;	temp	store w
» ord in	D4			
00001552	3C07		557	MO
» VE.W	D7, <mark>D6</mark>	;	move	word im
<pre>» mediate</pre>	into D6			
	4EB9 00002066		558	JS
	PrintASCIIWord			
	4EB9 00001FBA		559	JS
» R		rd		
	6000 0002		560	BR
» A	EORI_END		300	DIX
00001564	EORI_END		561	EORI_E
» ND:			301	LOKI_L
00001564	2004		E63	МО
			562	
» VE.W	D4, D6	;	rever	rt word
» to D6	4FD0 00004F05		F 60	
	4EB9 00001EC6		563	JS
	AppendComma			
	4EB9 00001BB2		564	JS
» R	<del>-</del> · ·			
00001572	6000 061E		565	BR
» A	Opcode_Finish			
0000157 <mark>6</mark>			566	
00001576			567	
00001576			568	
00001576			569	0pcode
» _BCLR:				
	45F9 000022F9		570	LE
	STR_BCLR, A2			
	4EB9 0000203A		571	JS
	AppendOutput			write th
	nt string in A2 to th	e 01	-	
	4EB9 00001E6E		572	JS
» R	Dn		312	33
00001589	4EB9 00001EC6		573	JS
» R			3/3	13
	AppendComma 4EB9 00001BB2		E 7.4	7.0
			574	JS
» R	EA_AppendMXn			20
	6000 05FC		575	BR
» A	Opcode_Finish			
00001598			576	
00001598			577	BCLR_I
» :				
00001598	<b>45F9</b> 000022F9		578	LE
» A	STR_BCLR, A2			
0000159E	4EB9 0000203A		579	JS
» R	AppendOutput		; N	write th
» e curre	nt string in A2 to th	e o	utput	string
000015A4			580	JS
» R	Get_Next_Word_D7			
	45F9 000022CB		581	LE
» A	STRINGPOUNDHEX, A2			
	STRENGT SONDTIEN, AZ			

00001552	MOVE.W	D7, D6	
00001554	JSR		<b>\$</b> 00002066
0000155A	JSR		\$00001FBA
00001560	BRA	0002	
00001564	MOVE.W	D4, D6	
00001566	JSR		\$00001EC6
0000156C	JSR		\$00001BB2
00001572	BRA	061E	
00001576	LEA		\$000022F9, A2
0000157C	JSR		\$0000203A
00001582	JSR		\$00001E6E
00001588	JSR		\$00001EC6
0000158E	JSR		\$00001BB2
00001594	BRA	05FC	
00001598	LEA		\$000022F9, A2
0000159E	JSR		\$0000203A
000015A4	JSR		<b>\$</b> 107 <b>8</b>
000015A8	LEA		\$000022CB, A2

(continued)		
000015AE	4EB9 0000203A	582 JS
» R	AppendOutput	; print "#
» \$"		
000015B4	3806	583 MO
» VE.W	D6, <mark>D4</mark>	; temp store w
» ord in	D4	
000015B6	3C07	584 MO
» VE.W	D7, <mark>D6</mark>	; move word im
» mediate		·
	4EB9 00002066	585 JS
» R	PrintASCIIWord	
000015BE	3C04	586 MO
» VE.W	D4, <mark>D6</mark>	; revert word
» to D6	•	·
	4EB9 00001EC6	587 JS
» R	AppendComma	
000015C6		588 JS
» R	EA_AppendMXn	
000015CC		589 BR
» A	Opcode_Finish	
000015D0		590
000015D0		591
000015D0		592 Opcode
» ADDA:		
_	45F9 000022E1	593 LE
» A	STR_ADDA, A2	
	4EB9 0000203A	594 JS
» R	AppendOutput	; write AD
	he output string	, 200 / 12
000015DC	4EB9 00001DD4	595 JS
» R	Size8	
	4EB9 00001BB2	596 JS
» R	EA AppendMXn	330 33
	4EB9 00001EC6	597 JS
» R	AppendComma	337 33
000015EE	4EB9 00001EA8	598 JS
» R	An	330 33
000015F4		599 BR
» A	Opcode_Finish	333 511
000015F <mark>8</mark>	5pccac_, 1111511	600
000015F8		601
000015F8		602
000015F8		603 Opcode
» ADD:		oos opcode
_	45F9 000022DC	604 LE
» A	STR_ADD, A2	00 <del>4</del> LE
	4EB9 0000203A	605 JS
» R	AppendOutput	; write AD
	e output string	, WITCE AD
00001604	•	606 JS
» R	Opcode_AppendSizeS	
0000160A	3606	607 MO
POOLOGY	3000	110

000015AE	JSR		\$0000203A
000015B4	MOVE.W	D6, D4	
000015B6	MOVE.W	D7, D6	
000015B8	JSR		<b>\$</b> 00002066
000015BE	MOVE.W	D4, D6	
000015C0	JSR		\$00001EC6
000015C6	JSR		\$00001BB2
000015CC	BRA	05 <mark>C4</mark>	
000015D0	LEA		\$000022E1, A2
000015D6	JSR		\$0000203A
000015DC	JSR		\$00001DD4
000015E2	JSR		\$00001BB2
000015E8	JSR		\$00001EC6
000015EE	JSR		\$00001EA8
000015F <mark>4</mark>	BRA	059C	
000015F8	LEA		\$000022DC, A2
000015FE	JSR		\$0000203A
00001604	JSR		\$00001D6E
0000160A	MOVE.W	D6, D3	

(continued)		
» VE.W	D6, <mark>D3</mark>	; move wor
» d value	into D3	
0000160C	C67C 0100	608 AN
» D	#MASK_8, D3	; mask bit
» 8		
00001610	B67C 0000	609 CM
» P.W	#\$0000,D3	; compare
» with 0	•	,
	6600 0018	610 BN
» E	ADD_EA_DN_EA	
00001618		611 ADD_DN
» _EA_DN:	: case	e Dn + <ea></ea>
» -> Dn	, 5855	
	4EB9 00001BB2	612 JS
» R	EA_AppendMXn	012 33
	4EB9 00001EC6	613 JS
» R	AppendComma	015 55
	4EB9 00001E6E	614 JS
» R	Dn	014 33
0000162A		615 BR
» A	Opcode_Finish	OIS DK
0000162E	opcode_Fillish	616 ADD_EA
» _DN_EA:		e <ea> + Dn -</ea>
<pre>" _DN_EA. " &gt; <ea></ea></pre>	, case	: (Ea) + Dii -
	4EB9 00001E6E	617 JS
» R		017 )3
	Dn 4500 00001506	610 70
» R	4EB9 00001EC6	618 JS
	AppendComma	c10 7C
0000163A		619 JS
» R	EA_AppendMXn	620 00
	6000 0550	620 BR
» A	Opcode_Finish	
00001644		621
00001644		622
00001644		623
00001644		624 Opcode
» _DIVS:		
	45F9 00002330	625 LE
» A	STR_DIVS, A2	
	4EB9 0000203A	626 JS
» R	AppendOutput	; writ
	to the output string	
00001650		627 JS
» R	OpcodeSize_SetToWord	; set
» the flag		
00001656	4EB9 00001BB2	628 JS
» R	EA_AppendMXn	
0000165C		629 JS
» R	AppendComma	
00001662	4EB9 00001E6E	630 JS
» R	Dn	
00001668	6000 0528	631 BR
		-

0000160C	MULS	# <b>\$</b> 0100,	D3
00001610	CMP.W	#\$0000,	D3
00001614	DATA	6600	
00001616	ORI.B	#\$4EB9,	(A0)+
0000161 <mark>A</mark>	ORI.B	# <b>\$</b> 1BB2,	D0
0000161E	JSR		\$00001EC6
00001624	JSR		\$00001E6E
0000162A	BRA	<mark>0</mark> 566	
0000162E	JSR		\$00001E6E
00001634	JSR		<b>\$</b> 00001EC6
0000163A	JSR		\$00001BB2
00001640	BRA	<mark>0</mark> 550	
00001644	LEA		\$00002330, A2
0000164 <mark>A</mark>	JSR		\$00002 <mark>03</mark> A
00001650	JSR		\$00001FBA
00001656	JSR		\$00001BB2
0000165C	JSR		\$00001EC6
00001662	JSR		\$00001E6E

(continued)			
» A Opcode_Finish			_
0000166 <mark>C</mark>		63	
0000166C		63	
0000166C		63	4 Opcode
» _OR:			
0000166C 45F9 000023CE		63	5 LE
» A STR_OR, A2			
00001672		63	5 JS
» R AppendOutput	;	write 0	R to the
» output string			
00001678 4EB9 00001D6E		63	7 JS
<pre>» R Opcode_AppendSizeSuffix</pre>			
0000167E 3606		63	8 MO
» VE.W D6,D3	:		rd value
» into D3	,	more no	a varae
00001680 C67C 0100		63	9 AN
» D #MASK_8, D3		mask bi	
00001684 B67C 0000	,		0 CM
» P.W #\$0000,D3	;	compare	
00001688 6600 0018		64	1 BN
» E OR_EA_DN_EA			
0000168 <mark>C</mark>			2 OR_DN_
» EA_DN:	;	case D	n + <ea></ea>
» -> Dn			
0000168 <mark>C 4EB9 0000</mark> 1BB2		64	3 JS
» R EA_AppendMXn			
00001692 4EB9 00001EC6		64	4 JS
» R AppendComma			
00001698		64	5 JS
» R Dn			
0000169E 6000 04F2		64	6 BR
» A Opcode Finish			
000016A2		64	7 OR EA
» DN EA:	:	case <e< td=""><td></td></e<>	
» > <ea></ea>	ĺ		
000016A2 4EB9 00001E6E		64	8 JS
» R Dn			
000016A8 4EB9 00001EC6		64	9 JS
» R AppendComma		04	, ,,,
000016AE 4EB9 00001BB2		650	a JS
		050	0 13
» R EA_AppendMXn 000016B4 6000 04DC		6E	1 BR
		65	T DK
» A Opcode_Finish		c.F.	2
00001688		65	
000016B8		65	
000016B <mark>8</mark>		65	
000016B8		65	5 Opcode
» _CMP:			
000016B8		65	6 LE
» A STR_CMP, A2			
000016BE 4EB9 0000203A		65	
» R AppendOutput		;	write CM

00001660	DD 4	0520	
00001668	BRA	0528	
0000166C	LEA		\$000023CE, A2
00001672	JSR		\$0000203A
00001678	JSR		\$00001D6E
0000167E	MOVE.W	D6, D3	
		" <b>.</b>	
00001680	MULS	<b>#\$</b> 0100,	D3
00001684	CMP.W	#\$0000,	D3
00001688	DATA	6600	
0000168 <mark>A</mark>	ORI.B	#\$4EB9,	(A0)+
0000168E	ORI.B	#\$1BB2,	D0
00001692	JSR		\$00001EC6
00001698	JSR		\$00001E6E
0000169E	BRA	<mark>0</mark> 4F2	
000016A2	JSR		\$00001E6E
000016A8	JSR		\$00001EC6
000016AE	JSR		\$00001BB2
000016B4	BRA	04DC	
000016B8	LEA		\$0000231E, A2
			,

Left file: D:\Source\github\CSS422 Hardware\Disassembler\Main.L68 put.txt

	Source\github\CSS422_Hard			
, ,	e output string			
000016C4	•	658	JS	
» R	Opcode_AppendSizeS	Suffix		
000016 <mark>CA</mark>	4EB9 00001BB2	659	JS	
» R	EA_AppendMXn			
000016 <mark>D0</mark>	4EB9 00001EC6	660	JS	
» R	AppendComma			
000016D <mark>6</mark>	4EB9 00001E6E	661	JS	
» R	Dn			
000016DC	6000 04B4	662	BR	
» A	Opcode_Finish			
000016E <mark>0</mark>		663		
000016 <mark>E</mark> 0		664		
000016E0		665		
000016E0		666 Op	code	
» _EOR:				
	45F9 00002337	667	LE	
» A	STR_EOR, A2			
	4EB9 0000203A	668	JS	
» R	AppendOutput	; write	e EO	

Opcode\_AppendSizeSuffix

669

670

671

672

673

674

675

676

678

679

680

681

682

683

684

JS

JS

JS

JS

BR

LE

JS

JS

JS

JS

JS

BR

MOVEA

; write MO

» R to the output string 000016EC 4EB9 00001D6E

000016F2 4EB9 00001E6E

000016FE 4EB9 00001BB2

0000170E 4EB9 0000203A

0000171A 4EB9 00001BB2

00001720 4EB9 00001EC6

00001726 4EB9 00001EA8

0000172C 6000 0464

An

» VEA.B to the output string 

Dn 000016F8 4EB9 00001EC6

AppendComma

EA\_AppendMXn

Opcode\_Finish

STR\_MOVEA\_B, A2

OpcodeSize\_SetToByte

AppendOutput

EA\_AppendMXn

**AppendComma** 

Opcode\_Finish

6000 048C

» R

» R

» R

» R

» A

00001704

00001708

00001708

00001708

00001708

» B:

» A

» R

» R

» R

» R

000016BE	JSR		\$0000203A
000016 <mark>C</mark> 4	JSR		\$00001 <mark>D6E</mark>
000016CA 000016D0	JSR JSR		\$00001BB2 \$00001EC6
000016 <mark>D6</mark> 000016DC	JSR BRA	04B4	\$00001E6E
000016E0	LEA		\$00002337, A2
000016E6	JSR		\$0000203A
000016EC	JSR		\$00001D6 <mark>E</mark>
000016F2	JSR		\$00001E6E
000016F8	JSR		\$00001EC6
000016FE	JSR		\$00001BB2
00001704	BRA	048C	
00001708	LEA		\$00002366, A2
0000170E	JSR		\$0000203A
00001714	JSR		\$00001FAA
0000171A	JSR		\$00001BB2
00001720	JSR		\$00001EC6
00001726	JSR		<b>\$</b> 00001EA8

(continued)			1			
000017 <mark>3</mark> 0	685		000017 <mark>2C</mark>	BRA	0464	
00001730	686					
00001730	687					
00001730	688	MOVE_B				
» :		_				
00001730 45F9 000023A0	689	LE	00001730	LEA		\$000023A0, A2
» A STR_MOVE_B, A2	002		00002730			<del>,</del> , , , , , , , , , , , , , , , , , ,
00001736 4EB9 0000203A	690	JS	00001736	JSR		\$0000203A
» R AppendOutput		rite MO	00001730	3310		<b>\$</b> 0000203A
» VE.B to the output string	۷۷ ر	i ice no				
0000173C 4EB9 00001FAA	691	JS	00001720	JSR		\$00001FAA
	091	J3	0000173C	221/		DUUUIFAA
» R OpcodeSize_SetToByte	602	7.0	00001743	7.00		<b>*</b> 00001DD3
00001742	692	JS	00001742	JSR		\$00001BB2
» R EA_AppendMXn						
00001748	693	JS	00001748	JSR		\$00001EC6
» R AppendComma						
0000174E 4EB9 00001BC0	694	JS	0000174E	JSR		\$00001BC0
» R EA_AppendXnM						
00001754 6000 043C	695	BR	00001754	BRA	<b>0</b> 43 <b>C</b>	
<pre>» A</pre>						
00001758	696					
00001758	697					
00001758	698	MOVEA_				
» W:						
00001758 45F9 0000237A	699	LE	00001758	LEA		\$0000237A, A2
» A STR_MOVEA_W, A2						·
" " " " " " " " " " " " " " " " " " "						
0000175E 4EB9 0000203A	700	JS				
0000175E 4EB9 0000203A						
0000175E 4EB9 0000203A » R AppendOutput		JS rite MO				
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string	; W	rite MO				
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA						
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA  » R OpcodeSize_SetToWord	; w 701	rite MO JS	0000175F	<b>TSR</b>		\$00002034
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA  » R OpcodeSize_SetToWord 0000176A 4EB9 00001BB2	; W	rite MO	0000175E	JSR		\$0000203A
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA  » R OpcodeSize_SetToWord 0000176A 4EB9 00001BB2  » R EA_AppendMXn	; w 701 702	JS JS				
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA  » R OpcodeSize_SetToWord 0000176A 4EB9 00001BB2  » R EA_AppendMXn 00001770 4EB9 00001EC6	; w 701	rite MO JS	0000175E 00001764	JSR JSR		\$0000203A \$00001FBA
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA  » R OpcodeSize_SetToWord 0000176A 4EB9 00001BB2  » R EA_AppendMXn 00001770 4EB9 00001EC6  » R AppendComma	; w 701 702 703	JS JS JS	00001764	JSR		\$00001FBA
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA  » R OpcodeSize_SetToWord 0000176A 4EB9 00001BB2  » R EA_AppendMXn 00001770 4EB9 00001EC6  » R AppendComma 00001776 4EB9 00001EA8	; w 701 702	JS JS				
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA  » R OpcodeSize_SetToWord 0000176A 4EB9 00001BB2  » R EA_AppendMXn 00001770 4EB9 00001EC6  » R AppendComma 00001776 4EB9 00001EA8  » R An	; w 701 702 703 704	JS JS JS JS	00001764	JSR		\$00001FBA
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA  » R OpcodeSize_SetToWord 0000176A 4EB9 00001BB2  » R EA_AppendMXn 00001770 4EB9 00001EC6  » R AppendComma 00001776 4EB9 00001EA8  » R An 0000177C 6000 0414	; w 701 702 703	JS JS JS	00001764	JSR		\$00001FBA
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA  » R OpcodeSize_SetToWord 0000176A 4EB9 00001BB2  » R EA_AppendMXn 00001770 4EB9 00001EC6  » R AppendComma 00001776 4EB9 00001EA8  » R An 0000177C 6000 0414  » A Opcode_Finish	; w 701 702 703 704 705	JS JS JS JS	00001764 0000176A	JSR JSR		\$00001FBA \$00001BB2
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA  » R OpcodeSize_SetToWord 0000176A 4EB9 00001BB2  » R EA_AppendMXn 00001770 4EB9 00001EC6  » R AppendComma 00001776 4EB9 00001EA8  » R An 0000177C 6000 0414  » A Opcode_Finish 00001780	; w 701 702 703 704 705 706	JS JS JS JS	00001764 0000176A 00001770	JSR JSR JSR		\$00001FBA \$00001BB2 \$00001EC6
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA  » R OpcodeSize_SetToWord 0000176A 4EB9 00001BB2  » R EA_AppendMXn 00001770 4EB9 00001EC6  » R AppendComma 00001776 4EB9 00001EA8  » R An 0000177C 6000 0414  » A Opcode_Finish 00001780	; w 701 702 703 704 705 706 707	JS JS JS JS	00001764 0000176A 00001770 00001776	JSR JSR JSR JSR		\$00001FBA \$00001BB2
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA  » R OpcodeSize_SetToWord 0000176A 4EB9 00001BB2  » R EA_AppendMXn 00001770 4EB9 00001EC6  » R AppendComma 00001776 4EB9 00001EA8  » R An 0000177C 6000 0414  » A Opcode_Finish 00001780 00001780	; w 701 702 703 704 705 706 707 708	JS JS JS BR	00001764 0000176A 00001770	JSR JSR JSR	0414	\$00001FBA \$00001BB2 \$00001EC6
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA  » R OpcodeSize_SetToWord 0000176A 4EB9 00001BB2  » R EA_AppendMXn 00001770 4EB9 00001EC6  » R AppendComma 00001776 4EB9 00001EA8  » R An 0000177C 6000 0414  » A Opcode_Finish 00001780 00001780 00001780	; w 701 702 703 704 705 706 707	JS JS JS JS	00001764 0000176A 00001770 00001776	JSR JSR JSR JSR	0414	\$00001FBA \$00001BB2 \$00001EC6
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA  » R OpcodeSize_SetToWord 0000176A 4EB9 00001BB2  » R EA_AppendMXn 00001770 4EB9 00001EC6  » R AppendComma 00001776 4EB9 00001EA8  » R An 0000177C 6000 0414  » A Opcode_Finish 00001780 00001780 00001780 00001780  » :	; w 701 702 703 704 705 706 707 708 709	JS JS JS BR MOVE_W	0000176A  00001770 00001776 0000177C	JSR JSR JSR JSR BRA	0414	\$00001FBA \$00001BB2 \$00001EC6 \$00001EA8
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA  » R OpcodeSize_SetToWord 0000176A 4EB9 00001BB2  » R EA_AppendMXn 00001770 4EB9 00001EC6  » R AppendComma 00001776 4EB9 00001EA8  » R An 0000177C 6000 0414  » A Opcode_Finish 00001780 00001780 00001780  00001780  » : 00001780 45F9 000023B2	; w 701 702 703 704 705 706 707 708	JS JS JS BR	00001764 0000176A 00001770 00001776	JSR JSR JSR JSR	0414	\$00001FBA \$00001BB2 \$00001EC6
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA  » R OpcodeSize_SetToWord 0000176A 4EB9 00001BB2  » R EA_AppendMXn 00001770 4EB9 00001EC6  » R AppendComma 00001776 4EB9 00001EA8  » R An 0000177C 6000 0414  » A Opcode_Finish 00001780 00001780 00001780  » : 00001780 45F9 000023B2  » A STR_MOVE_W, A2	; w 701 702 703 704 705 706 707 708 709 710	JS JS JS BR MOVE_W LE	00001764 0000176A 00001770 00001776 0000177C	JSR JSR JSR JSR BRA	0414	\$00001FBA \$00001BB2 \$00001EC6 \$00001EA8 \$000023B2, A2
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA  » R OpcodeSize_SetToWord 0000176A 4EB9 00001BB2  » R EA_AppendMXn 00001770 4EB9 00001EC6  » R AppendComma 00001776 4EB9 00001EA8  » R An 0000177C 6000 0414  » A Opcode_Finish 00001780 00001780 00001780  » : 00001780 45F9 000023B2  » A STR_MOVE_W, A2 00001786 4EB9 0000203A	; w 701 702 703 704 705 706 707 708 709 710 711	JS JS JS BR MOVE_W LE JS	0000176A  00001770 00001776 0000177C	JSR JSR JSR JSR BRA	0414	\$00001FBA \$00001BB2 \$00001EC6 \$00001EA8
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA  » R OpcodeSize_SetToWord 0000176A 4EB9 00001BB2  » R EA_AppendMXn 00001770 4EB9 00001EC6  » R AppendComma 00001776 4EB9 00001EA8  » R An 0000177C 6000 0414  » A Opcode_Finish 00001780 00001780 00001780  » : 00001780 45F9 000023B2  » A STR_MOVE_W, A2 00001786 4EB9 0000203A  » R AppendOutput	; w 701 702 703 704 705 706 707 708 709 710 711	JS JS JS BR MOVE_W LE	00001764 0000176A 00001770 00001776 0000177C	JSR JSR JSR JSR BRA	0414	\$00001FBA \$00001BB2 \$00001EC6 \$00001EA8 \$000023B2, A2
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA  » R OpcodeSize_SetToWord 0000176A 4EB9 00001BB2  » R EA_AppendMXn 00001770 4EB9 00001EC6  » R AppendComma 00001776 4EB9 00001EA8  » R An 0000177C 6000 0414  » A Opcode_Finish 00001780 00001780 00001780  » : 00001780 45F9 000023B2  » A STR_MOVE_W, A2 00001786 4EB9 0000203A  » R AppendOutput  » VE.W to the output string	; w 701 702 703 704 705 706 707 708 709 710 711 ; w	JS JS JS BR MOVE_W LE JS Arite MO	00001764 0000176A 00001770 00001776 0000177C 00001780 00001786	JSR JSR JSR JSR BRA LEA JSR	0414	\$00001FBA \$00001BB2 \$00001EC6 \$00001EA8 \$000023B2, A2 \$0000203A
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA  » R OpcodeSize_SetToWord 0000176A 4EB9 00001BB2  » R EA_AppendMXn 00001770 4EB9 00001EC6  » R AppendComma 00001776 4EB9 00001EA8  » R An 0000177C 6000 0414  » A Opcode_Finish 00001780 00001780 00001780  » : 00001780 45F9 000023B2  » A STR_MOVE_W, A2 00001786 4EB9 0000203A  » R AppendOutput  » VE.W to the output string 0000178C 4EB9 00001FBA	; w 701 702 703 704 705 706 707 708 709 710 711	JS JS JS BR MOVE_W LE JS	00001764 0000176A 00001770 00001776 0000177C	JSR JSR JSR JSR BRA	0414	\$00001FBA \$00001BB2 \$00001EC6 \$00001EA8 \$000023B2, A2
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA  » R OpcodeSize_SetToWord 0000176A 4EB9 00001BB2  » R EA_AppendMXn 00001770 4EB9 00001EC6  » R AppendComma 00001776 4EB9 00001EA8  » R An 0000177C 6000 0414  » A Opcode_Finish 00001780 00001780 00001780  » : 00001780 45F9 000023B2  » A STR_MOVE_W, A2 00001786 4EB9 0000203A  » R AppendOutput  » VE.W to the output string	; w 701 702 703 704 705 706 707 708 709 710 711 ; w	JS JS JS BR MOVE_W LE JS Arite MO	00001764 0000176A 00001770 00001776 0000177C 00001780 00001786	JSR JSR JSR JSR BRA LEA JSR	0414	\$00001FBA \$00001BB2 \$00001EC6 \$00001EA8 \$000023B2, A2 \$0000203A
0000175E 4EB9 0000203A  » R AppendOutput  » VEA.W to the output string 00001764 4EB9 00001FBA  » R OpcodeSize_SetToWord 0000176A 4EB9 00001BB2  » R EA_AppendMXn 00001770 4EB9 00001EC6  » R AppendComma 00001776 4EB9 00001EA8  » R An 0000177C 6000 0414  » A Opcode_Finish 00001780 00001780 00001780  » : 00001780 45F9 000023B2  » A STR_MOVE_W, A2 00001786 4EB9 0000203A  » R AppendOutput  » VE.W to the output string 0000178C 4EB9 00001FBA	; w 701 702 703 704 705 706 707 708 709 710 711 ; w	JS JS JS BR MOVE_W LE JS Arite MO	00001764 0000176A 00001770 00001776 0000177C 00001780 00001786	JSR JSR JSR JSR BRA LEA JSR	0414	\$00001FBA \$00001BB2 \$00001EC6 \$00001EA8 \$000023B2, A2 \$0000203A

(continued)			
» R	EA_AppendMXn		
00001798	4EB9 00001EC6	714	JS
» R	AppendComma		
0000179E	4EB9 00001BC0	715	JS
» R	EA_AppendXnM		
000017A4	6000 03EC	716	BR
» A	Opcode_Finish	0	
000017A8	opcode_i iliisii	717	
000017A8		718	
000017A8		719	_
000017A8		7 <mark>2</mark> 0	MOVEA_
» L:			
000017A <mark>8</mark>	45F9 00002370	721	LE
» A	STR_MOVEA_L, A2		
000017AE	4EB9 0000203A	722	JS
» R	AppendOutput	; W	rite MO
» VFA.I to	o the output string		
000017B4	4EB9 00001FCA	723	JS
» R	OpcodeSize_SetToLong	723	33
		724	7.0
000017BA	4EB9 00001BB2	/24	JS
» R	EA_AppendMXn		_
000017C0	4EB9 00001EC6	725	JS
» R	AppendComma		
000017C6	4EB9 00001EA8	726	JS
» R	An		
000017CC	6000 03C4	727	BR
» A	Opcode_Finish		
000017D0	· -	728	
000017D0		729	
000017D <mark>0</mark>		730	
000017D0		731	MOVE_L
» :		731	11012_2
	45F9 000023A9	732	LE
		/32	LE
» A	STR_MOVE_L, A2	722	7.0
000017D6	4EB9 0000203A	733	JS
» R	AppendOutput	; W	rite MO
	the output string		
000017DC	4EB9 00001FCA	734	JS
» R	OpcodeSize_SetToLong		
000017E2	4EB9 00001BB2	735	JS
» R	EA_AppendMXn		
000017E8	4EB9 00001EC6	736	JS
» R	AppendComma		
000017EE	4EB9 00001BC0	737	JS
» R	EA_AppendXnM		
000017F4	6000 039C	738	BR
» A	Opcode_Finish	738	DI
	opcode_rinisn	720	
000017F8		739	
000017F8		740	
000017F8		741	
000017F8		742	0pcode
» _ROL:			

00001798	JSR		<b>\$</b> 00001EC6
0000179E	JSR		\$00001BC0
000017A4	BRA	03EC	
000017A8	LEA		\$00002370, A2
000017AE	JSR		\$00002 <mark>0</mark> 3A
000017B4	JSR		\$00001FCA
000017BA	JSR		\$00001BB <mark>2</mark>
000017C0	JSR		\$00001EC6
000017C6	JSR		\$00001EA8
000017CC	BRA	<mark>0</mark> 3C4	
00001700			400003340 43
000017D0 000017D6	LEA JSR		\$000023A9, A2 \$0000203A
000017DC	JSR		\$00001FCA
000017E2	JSR		<b>\$</b> 00001BB2
000017E8	JSR		<b>\$</b> 00001EC6
000017EE	JSR		\$00001BC0
000017F4	BRA	039C	
1			

(continued)				
	45F9 000023D7	743	LE	000017F8
	STR_ROL, A2			
000017FE	4EB9 0000203A	744		000017FE
	AppendOutput	; wr	ite RO	
» L to th	e output string			
00001804	4EB9 00001BB2	745	JS	00001804
» R	EA_AppendMXn			
0000180A	6000 0386	746	BR	
» A	Opcode_Finish			
0000180E		747		
0000180E		748		0000180A
0000180E		749		
0000180E		750	Opcode	
» _ROR:				
0000180E	45F9 000023DD	751	LE	0000180E
» A	STR_ROR, A2			
	4EB9 0000203A	752	JS	00001814
» R	AppendOutput	; wr	ite RO	
	e output string	· ·		
	4EB9 00001BB2	753	JS	0000181A
	EA_AppendMXn			
	6000 0370	754	BR	
	Opcode_Finish			
00001824		755		00001820
00001824		756		
00001824		757		
00001824			Opcode	
» _LSL:			9	
	45F9 0000235A	759	LE	00001824
	STR_LSL, A2			
0000182A	4EB9 0000203A	760	JS	0000182A
	AppendOutput	; wr.		
	e output string	,		
	4EB9 00001BB2	761	JS	00001830
	EA_AppendMXn			
	6000 035A	762	BR	
» A	Opcode_Finish			
0000183A		763		00001836
0000183A		764		
0000183A		765		
0000183A			Opcode	
» LSR:			.,	
_	45F9 00002360	767	LE	0000183A
	STR_LSR, A2			00002007
	4EB9 0000203A	768	JS	00001840
» R	AppendOutput		ite LS	00002010
	e output string	, wi		
	4EB9 00001BB2	769	JS	00001846
	EA_AppendMXn	, 03		100010
	6000 0344	770	BR	00001840
» A	Opcode_Finish	,,,	DI.	33331046
00001850	op 000.0_1 1112011	771		
100000		,,_		I

000017F8	LEA		\$000023D7, A2
000017FE	JSR		\$0000203A
00001804	JSR		\$00001BB2
0000180 <mark>A</mark>	BRA	0386	
0000180E	LEA		\$000023DD, A2
00001814	JSR		\$0000203A
0000181A	JSR		\$00001BB2
00001820	BRA	0370	
00001824	LEA		\$000023 <mark>5</mark> A, A2
0000182A	JSR		\$0000203A
00001830	JSR		\$00001BB2
00001836	BRA	035A	
0000183A	LEA		\$00002360, A2
00001840	JSR		\$0000203A
00001846	JSR		\$00001BB2
0000184C	BRA	0344	

(continued)				
00001850			772	
00001850			773	Opcode
» ASL:				
_	45F9 000022ED		774	LE
» A	STR_ASL, A2			
	4EB9 0000203A		775	JS
» R	AppendOutput		; V	vrite AS
	e output string			
0000185C	4EB9 00001BB2		776	JS
» R	EA_AppendMXn			
00001862	6000 032E		777	BR
» A	Opcode_Finish			
00001866			778	
00001866			779	
00001866			780	0pcode
» ASR:			700	opcode
_	4550 00000005		704	
	45F9 000022F3		781	LE
» A	STR_ASR, A2			
0000186C	4EB9 0000203A		782	JS
» R	AppendOutput		; V	vrite AS
» R to the	e output string			
00001872	4EB9 00001BB2		783	JS
» R	EA_AppendMXn			
	6000 0318		784	BR
» A	Opcode_Finish		, 0 -	DIX.
0000187C	opcode_i iliisii		785	
0000187C			786	
0000187C			787	_
	45F9 000023D7	•	788	LE
» A	STR_ROL, A2			
00001882	4EB9 0000203A		789	JS
» R	AppendOutput		; V	vrite RO
» L to the	e output string			
00001888	•		790	JS
	Opcode_AppendS			
0000188E				МО
» VE.W	D6, D3		ove	word va
	o working registe			
	C67C 0040			AN
» D	#MASK_5, D3		; n	nask bit
» 5				
00001894	B67C 0000		793	CM
» P.W	#\$0000,D3	;	con	npare wi
» th 0	·	•		
00001900	6600 0018		794	BN
» E			1 54	DIN
	ROL_I_DN		705	DOL T
0000189C				ROL_I_
» I:		; case	o† i	immediat
» e input				
0000189C	4EB9 00001ED4		796	JS

00001850	LEA		\$000022ED, A2
00001856	JSR		\$0000203A
0000185C	JSR		\$00001BB2
00001862	BRA	<b>0</b> 32 <b>E</b>	
00001866	LEA		\$000022F3, A2
0000186C	JSR		\$0000203A
00001872	JSR		\$00001BB2
00001878	BRA	0318	
0000187C	LEA		\$000023D7, A2
00001882	JSR		\$0000203A
00001888	JSR		\$00001D6E
0000188E	MOVE.W	D6, D3	
00001890	MULS	<b>#\$</b> 0040,	D3
00001894	CMP.W	#\$0000,	D3
00001898 0000189A	DATA ORI.B		(A0)+
		#\$1ED4,	

			7.0
		/9/	JS
Appenacomma		700	7.0
		798	JS
		700	DD
		799	BR
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		901	13
		902	JS
		002	33
		902	JS
		003	33
		904	BR
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		210	JS
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6600 0018		814	BN
ROR_I_DN			
		815 ROR	I_
		_	
	; case	of immedi	iat
	; case	_	iat
4EB9 00001ED4	; case	_	JS
	; case	of immedi	
4EB9 00001ED4	; case	of immedi	
4EB9 00001ED4 Data11109	; case	of immedi	JS
4EB9 00001ED4 Data11109 4EB9 00001EC6	; case	of immedi	JS
4EB9 00001ED4 Data11109 4EB9 00001EC6 AppendComma	; case	of immedi 816 817	JS JS
4EB9 00001ED4 Data11109 4EB9 00001EC6 AppendComma 4EB9 00001E8C	; case	of immedi 816 817	JS JS
	3606 D6,D3 O working register C67C 0040 #MASK_5, D3 B67C 0000 #\$0000,D3	4EB9 00001EC6    AppendComma 4EB9 00001E8C    Dn210 6000 02E2    Opcode_Finish  ; case  nput 4EB9 00001E6E    Dn 4EB9 00001E6C    AppendComma 4EB9 00001E8C    Dn210 6000 02CC    Opcode_Finish  45F9 000023DD    STR_ROR, A2 4EB9 0000203A    AppendOutput e output string 4EB9 00001D6E    Opcode_AppendSizeSuffix 3606    D6,D3    o working register D3 C67C 0040    #MASK_5, D3  B67C 0000 #\$0000,D3	4EB9 00001EC6 797 AppendComma 4EB9 00001E8C 798 Dn210 6000 02E2 799 Opcode_Finish 800 ROL_

I			1
000018A2	JSR		\$00001EC6
000018A8	JSR		\$00001E8C
000018AE	BRA	02E2	
000018B2	JSR		\$00001E6E
000018B8	JSR		\$00001EC6
000018BE	JSR		\$00001E8C
000018C <mark>4</mark>	BRA	02CC	
000018C8	LEA		\$000023DD, A2
000018CE	JSR		\$0000203A
000018D/	1SR		<b></b> 400001D6 <b>E</b>
000018D4	JSR	D6 D2	\$00001D6 <b>E</b>
000018D4 000018DA		D6, D3	\$00001D6E
	MOVE.W	D6, D3	
000018DA	MOVE.W		
000018DA	MOVE.W		D3
000018DA 000018DC	MOVE.W	#\$0040, #\$0000,	D3
000018DA  000018DC  000018E0  000018E4 000018E6	MOVE.W  MULS  CMP.W  DATA ORI.B	#\$0040, #\$0000, 6600 #\$4EB9,	D3 D3 (A0)+
000018DA  000018DC  000018E0	MOVE.W  MULS  CMP.W  DATA ORI.B	#\$0040, #\$0000,	D3 D3 (A0)+
000018DA  000018DC  000018E0  000018E4 000018E6	MOVE.W  MULS  CMP.W  DATA ORI.B	#\$0040, #\$0000, 6600 #\$4EB9,	D3 D3 (A0)+
000018DA  000018DC  000018E0  000018E4 000018E6	MOVE.W  MULS  CMP.W  DATA ORI.B	#\$0040, #\$0000, 6600 #\$4EB9,	D3 D3 (A0)+
000018DA  000018DC  000018E0  000018E4 000018E6	MOVE.W  MULS  CMP.W  DATA ORI.B	#\$0040, #\$0000, 6600 #\$4EB9,	D3 D3 (A0)+
000018DA  000018DC  000018E0  000018E4  000018E6  000018EA	MOVE.W  MULS  CMP.W  DATA  ORI.B  ORI.B	#\$0040, #\$0000, 6600 #\$4EB9,	D3  D3  (A0)+ D0
000018DA  000018DC  000018E0  000018E4  000018E6  000018EA	MOVE.W  MULS  CMP.W  DATA  ORI.B  ORI.B	#\$0040, #\$0000, 6600 #\$4EB9,	D3  D3  (A0)+ D0  \$00001EC6

000018FE	820 ROR_I_
» DN:	; case of data reg
» ister input	
000018FE 4EB9 00001	E6E 821 JS
» R Dn	
» R Dn 00001904 4EB9 00001	EC6 822 JS
» R AppendCo	
0000190A 4EB9 00001	E8C 823 JS
» R Dn210	
00001910 6000 0280	824 BR
» A Opcode_F	inish
00001914	825
00001914	826
00001914	827 LSL_I:
00001914 45F9 00002	
» A STR_LSL,	
0000191A 4EB9 00002	
» R AppendOu	
» L to the output st	•
00001920 4EB9 00001	_
» R Opcode_A	
00001926 3606	831 MO
» VE.W D6,D3	; move word va
» lue into working r	
00001928 C67C 0040	832 AN
» D #MASK_5,	D3 ; mask bit
» 5	,
0000192C B67C 0000	833 CM
» P.W #\$0000,D	
» th 0	,
00001930 6600 0018	834 BN
» E LSL_I_DN	
00001934	835 LSL_I_
» I:	; case of immediat
» e input	, case or immediate
00001934 4EB9 00001	ED4 836 JS
» R Data1110	
0000193A 4EB9 00001	
» R AppendCo	
00001940 4EB9 00001	
» R Dn210	-55
00001946 6000 024A	839 BR
» A Opcode_F	
0000194A	840 LSL_I_
» DN:	; case of data reg
	, case of data reg
IN TETAP TRAIL	E6E <b>841</b> JS
» ister input	
0000194A 4EB9 00001	LOE 841 33
0000194A 4EB9 00001 » R Dn	
0000194A 4EB9 00001 » R Dn 00001950 4EB9 00001	EC6 842 JS
0000194A 4EB9 00001 » R Dn 00001950 4EB9 00001 » R AppendCo	EC6 842 JS
0000194A 4EB9 00001 » R Dn 00001950 4EB9 00001	EC6 842 JS

000018FE	JSR		\$00001E6E
00001904	JSR		\$00001EC6
0000190A	JSR		\$00001E8C
00001910	BRA	0280	
00001914	LEA		\$0000235A, A2
0000191A	JSR		\$0000203A
00001920	JSR		\$00001D6E
			POOGTDOE
00001926	MOVE.W	D6, D3	
00001928	MULS	<b>#\$</b> 0040,	D3
0000192C	CMP.W	#\$0000,	D3
00001930	DATA	6600	
		#\$4EB9,	(40)
00001932	OKI.D	# <b>#</b> 4609,	(A0)+
00001936	ORI.B	#\$1ED4,	DØ
0000193A	JSR		\$00001EC6
00001940	JSR		\$00001E8C
00001946	BRA	<mark>0</mark> 24A	
0000194A	JSR		\$00001E6E
00001950	JSR		\$00001EC6
00001956	JSR		\$00001E8C

0000195C 6000 0234	844 BR
<pre>» A</pre>	
000019 <mark>6</mark> 0	845
00001960	846
00001960	847 LSR_I:
00001960 45F9 00002360	848 LE
» A STR_LSR, A2	
00001966 4EB9 0000203A	849 JS
» R AppendOutput	; writ
» e LSR to the output string	, will
0000196C 4EB9 00001D6E	850 JS
» R Opcode_AppendSizeSu	
00001972 3606	
» VE.W D6,D3	; move
» word value into working regi	
00001974	852 AN
» D #MASK_5, D3	; mask
» bit 5	
00001978 B67C 0000	853 CM
» P.W #\$0000,D3	; comp
» are with 0	
0000197C 6600 <mark>0018</mark>	854 BN
» E LSR_I_DN	
00001980	855 LSR_I_
» I: ; c	ase of immediat
» e input	
00001980 4EB9 00001ED4	856 JS
» R Data11109	050 05
00001986 4EB9 00001EC6	857 JS
» R AppendComma	057 55
0000198C 4EB9 00001E8C	858 JS
	000 10
» R Dn210	050 00
00001992 6000 01FE	859 BR
» A Opcode_Finish	
00001996	860 LSR_I_
	ase of data reg
» ister input	
00001996	861 JS
» R Dn	
0000199C 4EB9 00001EC6	862 JS
» R AppendComma	
000019A2	863 JS
» R Dn210	
000019A8 6000 01E8	864 BR
<pre>» A</pre>	
000019AC	865
000019AC	866
000019AC	867 ASL_I:
000019AC 45F9 000022ED	868 LE
» A STR_ASL, A2	UUU LE
000019B2 4EB9 0000203A	960 76
	869 JS
» R AppendOutput	; writ

000019 <mark>5C</mark>	BRA	0234	
00001960	LEA		\$00002360, A2
00001966	JSR		\$0000203A
0000196C	JSR		\$00001D6E
00001972	MOVE.W	D6, D3	
00001974	MULS	<b>#\$</b> 0040,	D3
00001978	CMD M	#\$0000,	D3
00001378	CMF.W	##0000,	03
0000197C	DATA	6600	
000019 <mark>7E</mark>	ORI.B	#\$4EB9,	(A0)+
			, ,
00001982	ORI.B	#\$1ED4,	D0
00001986	JSR		\$00001EC6
0000198C	JSR		\$00001E8C
00001992	BRA	01FE	
00001996	JSR		\$00001E6E
0000199C	JSR		<b>\$</b> 00001EC6
000019A2	JSR		\$00001E8C
000019A <mark>8</mark>	BRA	01E8	
000019AC	LEA		\$000022ED, A2
000019B2	JSR		\$0000203A

continued	

(continued)			1				
	to the output string						******
	4EB9 00001D6E		JS	000019B8	JSR		\$00001D6E
	Opcode_AppendSizeSuffi						
000019BE		871	МО	000019BE	MOVE.W	D6, D3	
» VE.W			; move				
	value into working registe						
	C67C 0040	872		000019C0	MULS	<b>#\$</b> 0040,	D3
	#MASK_5, D3		; mask				
<pre>» bit 5</pre>			_				_
	B67C 0000	873		000019C4	CMP.W	#\$0000,	D3
	#\$0000,D3		; comp				
» are wit							
	6600 <mark>0018</mark>	874	BN	000019C8	DATA	6600	
	ASL_I_DN						
000019CC			ASL_I_	000019CA	ORI.B	#\$4EB9,	(A0)+
» I:	; case	of i	immediat				
» e input							
	4EB9 00001ED4	876	JS	000019CE	ORI.B	#\$1ED4,	D <mark>⊘</mark>
	Data11109						
	4EB9 00001EC6	877	JS	000019D2	JSR		\$00001EC6
	AppendComma						
	4EB9 00001E8C	878	JS	000019D8	JSR		\$00001E8C
» R							
	6000 01B2	879	BR	000019DE	BRA	<b>0</b> 1B2	
	Opcode_Finish						
000019E2			ASL_I_				
» DN:	; case	of d	data reg				
» ister i	•						
	4EB9 00001E6E	881	JS	000019E2	JSR		\$00001E6E
» R	Dn						
	4EB9 00001EC6	882	JS	000019E8	JSR		\$00001EC6
	AppendComma						
	4EB9 00001E8C	883	JS	000019EE	JSR		\$00001E8C
	Dn210						
	6000 019C	884	BR	000019F4	BRA	<b>019C</b>	
	Opcode_Finish						
000019F8		885					
000019F8			ASR_I:				
	<b>45F9</b> 000022F3	887	LE	000019F8	LEA		\$000022F3, A2
	STR_ASR, A2						
	4EB9 0000203A	888		000019FE	JSR		\$0000203A
	AppendOutput		; writ				
	to the output string						
	4EB9 00001D6E	889	JS	00001A04	JSR		\$00001D6E
	Opcode_AppendSizeSuffi						
00001A0A		890	MO	00001A0A	MOVE.W	D6, D3	
» VE.W	•		; move				
	value into working registe						
	C67C 0040	891		00001A0C	MULS	<b>#\$</b> 0040,	D3
	#MASK_5, D3		; mask				
» bit 5							
00001A10	B67C 0000	892	CM	00001A10	CMP.W	#\$0000,	D3

<pre>» P.W #\$0000,D3 ; comp » are with 0 00001A14 6600 0018 893 BN » E</pre>
00001A14       6600 0018       893       BN         % E       ASR_I_DN       894 ASR_I_         00001A18       894 ASR_I_       ** [; case of immediat         % I:       ; case of immediat         % e input       00001A18       4EB9 00001ED4       895 JS         % R       Data11109       896 JS         % R       AppendComma       896 JS         % R       AppendComma       897 JS         % R       Dn210       898 BR         00001A2A       6000 0166 898 BR       88         % A       Opcode_Finish       90001A2E       899 ASR_I_         % N       Dn       90001A2E       \$900 JS         % R       Dn       90001A34       4EB9 00001E6E       901 JS         % R       AppendComma       90001A34       4EB9 00001E6C       902 JS         % R       Dn210       903 BR       90       90         % R       Dn210       903 BR       90         00001A34       4EB9 00001E6C       903 BR       90         % A       Opcode_Finish       906       Opcode         % A       STR_BRA, A2       90       90       Opcode         % A       STR_BRA, A2
## B ASR_I_DN  ## B ASR_I_DN  ## B
### 894 ASR_I_ ### I:
<pre>" I:</pre>
<pre>" e input 00001A18</pre>
00001A18         4EB9 00001ED4         895         JS           » R         Data11109         00001A1E         4EB9 00001EC6         896         JS           » R         AppendComma         00001A24         4EB9 00001E8C         897         JS           » R         Dn210         00001A2A         6000 0166         898         BR           » A         Opcode_Finish         00001A2E         899 ASR_I_           » DN:         ; case of data reg           » ister input         00001A2E         4EB9 00001E6E         900         JS           » R         Dn         00001A34         4EB9 00001EC6         901         JS           » R         AppendComma         00001A34         4EB9 00001E8C         902         JS           » R         AppendComma         00001A40         6000 0150         903         BR           00001A40         6000 0150         903         BR         00001A44         905         00001A44         906         0pcode           » BRA:         00001A44         45F9 00002312         907         LE         N         N         N         N         N         N         N         N         N         N         N         N         <
00001A18         4EB9 00001ED4         895         JS           » R         Data11109         00001A1E         4EB9 00001EC6         896         JS           » R         AppendComma         00001A24         4EB9 00001E8C         897         JS           » R         Dn210         00001A2A         6000 0166         898         BR           » A         Opcode_Finish         00001A2E         899 ASR_I_           » DN:         ; case of data reg           » ister input         00001A2E         4EB9 00001E6E         900         JS           » R         Dn         00001A34         4EB9 00001EC6         901         JS           » R         AppendComma         00001A34         4EB9 00001E8C         902         JS           » R         AppendComma         00001A40         6000 0150         903         BR           00001A40         6000 0150         903         BR         00001A44         905         00001A44         906         0pcode           » BRA:         00001A44         45F9 00002312         907         LE         N         N         N         N         N         N         N         N         N         N         N         N         <
## R Data11109 ## Data1109 ## Data11109 ## Data11109 ## Data11109 ## Data11109 ## Data1109 ## Data11109 ## Data11109 ## Data11109 ## Data11109 ## Data1109 ## Data11109 ## Data11109 ## Data11109 ## Data11109 ## Data1109 ## Data11109 ## Data11109 ## Data11109 ## Data11109 ## Data1109 ## Data11109 ## Data11109 ## Data11109 ## Data11109 ## Data1109 ## Data11109 ## Data11109 ## Data11109 ## Data11109 ## Data1109 ## Data11109 ## Data11109 ## Data1100 ## Data1100 ## Data1100
00001A1E         4EB9         00001EC6         896         JS           » R         AppendComma         897         JS           00001A24         4EB9         00001E8C         897         JS           » R         Dn210         898         BR           00001A2A         6000         0166         898         BR           00001A2E         899         ASR_I_         ASR_I_         SS         Isser input         90001E6E         900         JS         Isser input         90001E6E         900         JS         Isser input         90001E6E         901         JS         Isser input         90001E6E         901         JS         Isser input         90001E6E         901         JS         Isser input         900001A34         4EB9         90001E6E         901         JS         Isser input         900001A34         4EB9         90001E8C         902         JS         Isser input         902
## R AppendComma   ## O0001A24
00001A24       4EB9       00001E8C       897       JS         » R       Dn210       898       BR         00001A2E       899       ASR_I_         » DN:       ; case of data reg         » ister input       90001E6E       900       JS         » R       Dn       90001A34       4EB9       90001E6E       901       JS         » R       AppendComma       902       JS         % R       AppendComma       902       JS         % R       Dn210       903       BR         00001A3A       4EB9       00001E8C       902       JS         » R       Dn210       904       906       0001A44       905       90001A44       905       90001A44       905       90001A44       906       0pcode       9BR       JS       NA       STR_BRA, A2       90001A44       906       Opcode       9BR       JS       NR       AppendOutput       ; write th       Ne       e current string in A2 to the output string       90001A50       ABR       JS       NR       AppendOutput       910       BR       NA       Opcode       NBR       NBR       912       Opcode       NBR       NBR       NBR       NBR
<pre>" R</pre>
00001A2A       6000 0166       898       BR         00001A2E       899 ASR_I_         DN:       ; case of data reg         ister input       00001A2E 4EB9 00001E6E       900 JS         R Dn       00001A34 4EB9 00001EC6       901 JS         R AppendComma       00001A3A 4EB9 00001E8C       902 JS         R Dn210       00001A40 6000 0150       903 BR         W A Opcode_Finish       904         00001A44 905       905         00001A44 905       906 Opcode         * BRA:       00001A44 906         00001A44 45F9 00002312 907 LE       907 LE         * A STR_BRA, A2       90001A4A 4EB9 0000203A 908 JS         * R AppendOutput ; write th       * e current string in A2 to the output string         00001A50 4EB9 00001E40 909 JS       909 JS         * R Displacement       90001A50 4EB9 00001E40 909 JS         * BCS:       90001A5A 911 912 Opcode         * BCS:       90001A5A 912 Opcode         * BCS:       90001A5A 913 LE         * A STR_BCS, A2       90001A60 4EB9 000023A 914 JS         * R AppendOutput ; write th         * Current string in A2 to the output string         90001A66 4EB9 00001E40 915 JS
<pre>" A</pre>
00001A2E       899 ASR_I_         » DN:       ; case of data reg         » ister input       00001A2E 4EB9 00001E6E       900 JS         » R Dn       00001A34 4EB9 00001EC6       901 JS         » R AppendComma       00001A3A 4EB9 00001E8C       902 JS         » R Dn210       90001A40 6000 0150       903 BR         » A Opcode_Finish       904         90001A44 905       906 Opcode         » _BRA:       90001A44 906 Opcode         » _BRA:       90001A44 4EB9 00002312 907 LE         » A STR_BRA, A2       90001A4A 4EB9 0000203A 908 JS         » R AppendOutput ; write th         » e current string in A2 to the output string         90001A50 4EB9 00001E40 909 JS         » R Displacement         90001A5A 911 910 910 910 910 910 910 910 910 910
<pre>" DN:</pre>
<pre>"ister input 00001A2E 4EB9 00001E6E 900 JS " R</pre>
00001A2E       4EB9       00001E6E       900       JS         » R       Dn       00001A34       4EB9       00001EC6       901       JS         » R       AppendComma       00001A3A       4EB9       00001E8C       902       JS         » R       Dn210       903       BR         00001A40       6000       0150       903       BR         » A       Opcode_Finish       904       905         00001A44       905       906       Opcode         » _BRA:       90001A44       45F9       90002312       907       LE         » A       STR_BRA, A2       908       JS         » R       AppendOutput       ; write th         » e current string in A2 to the output string       90001A50       4EB9       90001E40       909       JS         » R       Displacement       90001A5A       911       910       BR         » A       Opcode_Finish       912       Opcode         » _BCS:       90001A5A       912       Opcode         » _BCS:       90001A5A       913       LE         » A       STR_BCS, A2       90001A5A       914       JS         » R       A
" R       Dn         00001A34       4EB9       00001EC6       901       JS         " R       AppendComma       00001A3A       4EB9       00001E8C       902       JS         " R       Dn210       903       BR         00001A40       6000       0150       903       BR         " A       Opcode_Finish       904       906       00001A44       905       906       000000000       00000000       0000000       0000000       0000000       0000000       0000000000       0000000       0000000       00000000       000000000       00000000       000000000       000000000       000000000       000000000       000000000       000000000       000000000       00000000000       000000000       000000000       000000000       000000000       00000000000       0000000000       0000000000       000000000       000000000       00000000000       0000000000       0000000000       00000000000       000000000000       00000000000       000000000000       0000000000000       000000000000       0000000000000       0000000000000       0000000000000       0000000000000       0000000000000       0000000000000       0000000000000000       0000000000000000       0000000000000000000000       0000000000000000000000       000000000000000000000000
00001A34       4EB9       00001EC6       901       JS         » R       AppendComma         00001A3A       4EB9       00001E8C       902       JS         » R       Dn210         00001A40       6000       0150       903       BR         » A       Opcode_Finish       904       906       0pcode         » A       Opcode_Finish       906       Opcode         » _BRA:       00001A44       45F9       00002312       907       LE         » A       STR_BRA, A2       90001A4A       4EB9       000203A       908       JS         » R       AppendOutput       ; write th         » e current string in A2 to the output string       00001A50       4EB9       0001E40       909       JS         » A       Opcode_Finish       910       BR         » A       Opcode_Finish       912       Opcode         » _BCS:       00001A5A       913       LE         » A       STR_BCS, A2       00001A60       4EB9       000023A       914       JS         » R       AppendOutput       ; write th       ; write th         » e current string in A2 to the output string       00001A66       4EB9
<pre>» R</pre>
00001A3A       4EB9       00001E8C       902       JS         » R       Dn210       903       BR         00001A40       6000       0150       903       BR         » A       Opcode_Finish       904       906       0pcode         » BRA:       906       0pcode         » BRA:       906       0pcode         » BRA:       90001A44       45F9       00002312       907       LE         » A       STR_BRA, A2       908       JS         » R       AppendOutput       ; write th         » e current string in A2 to the output string       90001A50       4EB9       90001E40       909       JS         » R       Displacement       90001A5A       910       BR         » A       Opcode_Finish       912       0pcode         » _BCS:       90001A5A       912       0pcode         » A       STR_BCS, A2       90001A60       4EB9       9000230A       913       LE         » A       STR_BCS, A2       90001A60       4EB9       9000203A       914       JS         » R       AppendOutput       ; write th         » e current string in A2 to the output string       90001A66
<pre>" R</pre>
00001A40 6000 0150 903 BR  » A Opcode_Finish 00001A44 905 00001A44 906 Opcode  » _BRA: 00001A44 45F9 00002312 907 LE  » A STR_BRA, A2 00001A4A 4EB9 0000203A 908 JS  » R AppendOutput ; write th  » e current string in A2 to the output string 00001A50 4EB9 00001E40 909 JS  » R Displacement 00001A56 6000 013A 910 BR  » A Opcode_Finish 00001A5A 911 00001A5A 912 Opcode  » _BCS: 00001A5A 45F9 00002300 913 LE  » A STR_BCS, A2 00001A60 4EB9 0000203A 914 JS  » R AppendOutput ; write th  » e current string in A2 to the output string 00001A66 4EB9 00001E40 915 JS
<pre>" A</pre>
00001A44       904         00001A44       905         00001A44       906 Opcode         " BRA:       00001A44 45F9 00002312       907 LE         " A STR_BRA, A2       00001A4A 4EB9 0000203A       908 JS         " R AppendOutput ; write th       ; write th         " e current string in A2 to the output string       00001A50 4EB9 00001E40       909 JS         " R Displacement       00001A56 6000 013A       910 BR         " A Opcode_Finish       911       00001A5A         " BCS:       00001A5A 45F9 00002300       913 LE         " A STR_BCS, A2       90001A60 4EB9 0000203A       914 JS         " R AppendOutput ; write th       ; write th         " e current string in A2 to the output string       90001A66 4EB9 00001E40       915 JS
00001A44       904         00001A44       905         00001A44       906 Opcode         " BRA:       00001A44 45F9 00002312       907 LE         " A STR_BRA, A2       00001A4A 4EB9 0000203A       908 JS         " R AppendOutput ; write th       ; write th         " e current string in A2 to the output string       00001A50 4EB9 00001E40       909 JS         " R Displacement       00001A56 6000 013A       910 BR         " A Opcode_Finish       911       00001A5A         " BCS:       00001A5A 45F9 00002300       913 LE         " A STR_BCS, A2       90001A60 4EB9 0000203A       914 JS         " R AppendOutput ; write th       ; write th         " e current string in A2 to the output string       90001A66 4EB9 00001E40       915 JS
00001A44       905         00001A44       906 Opcode         " _BRA:       00001A44
00001A44       906 Opcode         » _BRA:       90001A44 45F9 00002312       907 LE         » A STR_BRA, A2       90001A4A 4EB9 0000203A       908 JS         » R AppendOutput ; write th       ; write th         » e current string in A2 to the output string       90001A50 4EB9 00001E40 909 JS         » R Displacement       90001A56 6000 013A 910 BR         » A Opcode_Finish       911 0pcode         » _BCS:       90001A5A 912 Opcode         » _BCS:       90001A5A 45F9 00002300 913 LE         » A STR_BCS, A2 00001A60 4EB9 0000203A 914 JS       91 JS         » R AppendOutput ; write th       ; write th         » e current string in A2 to the output string 00001A66 4EB9 00001E40 915 JS
<pre>" _BRA: 00001A44</pre>
00001A44 45F9 00002312 907 LE  » A STR_BRA, A2  00001A4A 4EB9 0000203A 908 JS  » R AppendOutput ; write th  » e current string in A2 to the output string  00001A50 4EB9 00001E40 909 JS  » R Displacement  00001A56 6000 013A 910 BR  » A Opcode_Finish  00001A5A 911  00001A5A 912 Opcode  » _BCS:  00001A5A 45F9 00002300 913 LE  » A STR_BCS, A2  00001A60 4EB9 0000203A 914 JS  » R AppendOutput ; write th  » e current string in A2 to the output string  00001A66 4EB9 00001E40 915 JS
<pre>" A STR_BRA, A2 00001A4A 4EB9 0000203A 908 JS " R AppendOutput ; write th " e current string in A2 to the output string 00001A50 4EB9 00001E40 909 JS " R Displacement 00001A56 6000 013A 910 BR " A Opcode_Finish 00001A5A 911 00001A5A 912 Opcode " _BCS: 00001A5A 45F9 00002300 913 LE " A STR_BCS, A2 00001A60 4EB9 0000203A 914 JS " R AppendOutput ; write th " e current string in A2 to the output string 00001A66 4EB9 00001E40 915 JS</pre>
00001A4A       4EB9       0000203A       908       JS         » R       AppendOutput       ; write th         » e current string in A2 to the output string       00001A50       4EB9       00001E40       909       JS         » R       Displacement         00001A56       6000       013A       910       BR         » A       Opcode_Finish         00001A5A       911         00001A5A       912       Opcode         » _BCS:       00001A5A       913       LE         » A       STR_BCS, A2       00001A60       4EB9       0000203A       914       JS         » R       AppendOutput       ; write th         » e current string in A2 to the output string       00001A66       4EB9       00001E40       915       JS
<pre>» R</pre>
<pre>" e current string in A2 to the output string 00001A50 4EB9 00001E40 909 JS " R</pre>
00001A50       4EB9       00001E40       909       JS         » R       Displacement         00001A56       6000       013A       910       BR         » A       Opcode_Finish         00001A5A       911       00001A5A       912       Opcode         » _BCS:       00001A5A       45F9       00002300       913       LE         » A       STR_BCS, A2       00001A60       4EB9       0000203A       914       JS         » R       AppendOutput       ; write th         » e current string in A2 to the output string       00001A66       4EB9       00001E40       915       JS
<pre>" R</pre>
00001A56       6000       013A       910       BR         » A       Opcode_Finish         00001A5A       911         00001A5A       912       Opcode         » _BCS:       00001A5A       45F9       00002300       913       LE         » A       STR_BCS, A2       00001A60       4EB9       0000203A       914       JS         » R       AppendOutput       ; write th         » e current string in A2 to the output string         00001A66       4EB9       00001E40       915       JS
<pre>" A Opcode_Finish 00001A5A 911 00001A5A 912 Opcode " BCS: 00001A5A 45F9 00002300 913 LE " A STR_BCS, A2 00001A60 4EB9 0000203A 914 JS " R AppendOutput ; write th " e current string in A2 to the output string 00001A66 4EB9 00001E40 915 JS</pre>
00001A5A 911 00001A5A 912 Opcode » _BCS: 00001A5A 45F9 00002300 913 LE » A STR_BCS, A2 00001A60 4EB9 0000203A 914 JS » R AppendOutput ; write th » e current string in A2 to the output string 00001A66 4EB9 00001E40 915 JS
00001A5A 912 Opcode  "BCS:  00001A5A 45F9 00002300 913 LE  "A STR_BCS, A2  00001A60 4EB9 0000203A 914 JS  "R AppendOutput ; write th  "e current string in A2 to the output string  00001A66 4EB9 00001E40 915 JS
<pre>" _BCS: 00001A5A     45F9     00002300</pre>
00001A5A 45F9 00002300 913 LE  » A STR_BCS, A2  00001A60 4EB9 0000203A 914 JS  » R AppendOutput ; write th  » e current string in A2 to the output string  00001A66 4EB9 00001E40 915 JS
<pre>» A STR_BCS, A2 00001A60 4EB9 0000203A 914 JS » R AppendOutput ; write th » e current string in A2 to the output string 00001A66 4EB9 00001E40 915 JS</pre>
00001A60 4EB9 0000203A 914 JS  » R AppendOutput ; write th  » e current string in A2 to the output string 00001A66 4EB9 00001E40 915 JS
<pre>» R     AppendOutput     ; write th » e current string in A2 to the output string 00001A66     4EB9     00001E40</pre>
<pre>» e current string in A2 to the output string 00001A66 4EB9 00001E40 915 JS</pre>
00001A66 4EB9 00001E40 915 JS
00001A66 4EB9 00001E40 915 JS
D. D. Landerson
» R Displacement
00001A6C 6000 0124 916 BR
» A Opcode_Finish
00001A70 917

00001A14	DATA	6600	
00001A1 <mark>6</mark>	ORI.B	#\$4EB9,	(A0)+
00001A1 <mark>A</mark>	ODT D	# <b>¢</b> 1FD4	Da
		#\$1ED4,	
00001A1E	JSR		\$00001EC6
00001A24	JSR		\$00001E8C
00001A2A	BRA	<mark>0</mark> 166	
00001A2E	JSR		\$00001E6E
00001A34	JSR		\$00001EC6
00001A3A	JSR		\$00001E8C
00001A40	BRA	0150	
00001A44	LEA		\$00002312, A2
00001A4A	JSR		\$0000203A
00001A50	JSR		\$00001E4 <mark>0</mark>
00001A5 <mark>6</mark>	BRA	013A	
00001A5A	LEA		\$00002300, A2
00001A60	JSR		\$0000203A
00001A66	JSR		\$00001E40
00001A <mark>6C</mark>	BRA	0124	
			Beyond Compare v4.2.10

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00001A70		918	
00001A70			Opcode
		919	opcode
» _BGE:			
	<b>45F9</b> 00002306	920	LE
	STR_BGE, A2		
00001A76	4EB9 0000203A	921	JS
» R	AppendOutput	; W	rite th
» e curre	nt string in A2 to	the output	string
00001A7C	4EB9 00001E40	922	JS
» R	Displacement		
00001A82	6000 010E	923	BR
» A	Opcode_Finish		
00001A86	opeode	924	
00001A86			Opcode
		923	opcode
» _BLT:	4550 00003300	026	
	45F9 0000230C	926	LE
» A	STR_BLT, A2		
	4EB9 0000203A	927	
	AppendOutput		rite th
» e curre	nt string in A2 to	o the output	string
00001A92	4EB9 00001E40	928	JS
» R	Displacement		
00001A98	6000 00F8	929	BR
» A	Opcode_Finish		
00001A9C		930	
00001A9C		931	
00001A9C		932	Opcode
» BVC:			•
_	45F9 00002318	933	LE
» A	STR_BVC, A2		
	4EB9 0000203A	934	JS
» R		331	•
	he current string	in A2 to the	outnut
» string	ile current sering	III AZ CO CIIC	oucput
_	4EB9 00001E40	935	JS
» R		933	33
	Displacement	026	D.D.
00001AAE		936	BR
» A	Opcode_Finish	0.27	
00001AB2		937	
00001AB2		938	Opcode
» _NOP:			
00001AB2	45F9 000023C7	939	LE
» A	STR_NOP, A2		
00001AB8	4EB9 0000203A	940	JS
» R	AppendOutput		;
» write t	he current string	in A2 to the	output
» string			
00001ABE	600 <mark>0 00</mark> D2	941	BR
» A	Opcode_Finish		
00001AC2		942	
00001AC2		943	Opcode
» _ILLEGA	L:		
_			

00001A70	LEA		\$00002306, A2
00001A76	JSR		\$0000203A
00001A7C	JSR		<b>\$</b> 00001E40
00001A82	BRA	010E	
00001A86	LEA		\$0000230C, A2
00001A8C	JSR		\$0000203A
00001A92	JSR		\$00001E40
00001A9 <mark>8</mark>	BRA	00F8	
00001A9C	LEA		\$00002318, A2
00001AA2	JSR		\$0000203A
00001AA8	JSR		<b>\$</b> 00001E40
00001AAE	BRA	00E2	
00001AB2	LEA		\$000023C7, A2
00001AB8	JSR		\$0000203A
00001ABE	BRA	00D2	

(continued)	Source/github/CSS422_	ilaiuwa	i C (Disass	embler (Oc
	45F9 00002342		944	LE
	STR_ILLEGAL, A2		344	
	4EB9 0000203A		945	JS
» R			243	
	ne current string	in A2	to the	outnut
» string	ie current sering	111 72	to the	output
_	6000 00C2		946	BR
» A	Opcode_Finish		340	DI
00001AD2	opcode_rinish		947	
00001AD2			948	Opcode
» RTS:			540	opcode
_	<b>45F9</b> 000023E3		949	LE
» A	STR RTS, A2		949	LL
	4EB9 0000203A		950	JS
» R	AppendOutput		930	
	ne current string	in A2	to the	output
» string	ie current string	III AZ	to the	output
	6000 00B2		951	BR
	Opcode Finish		221	DIC
00001AE2	opcode_i iliiisii		952	
00001AE2			953	
00001AE2				Opcode
» LEA:				op coulc
_	45F9 00002353		955	LE
» A	STR LEA, A2			
00001AE8	4EB9 0000203A		956	JS
» R	AppendOutput			;
» write th	ne current string	in A2	to the	output
» string				
00001AEE	4EB9 00001BB2		957	JS
» R	EA_AppendMXn			
	4EB9 00001EC6		958	JS
» R	AppendComma			
00001AFA	4EB9 00001EA8		959	JS
» R	An			
00001B00	6000 0090		960	BR
» A	Opcode_Finish			
00001B04			961	
00001B04			962	Opcode
» _NEG:				
00001B04	45F9 000023C2		963	LE
» A	STR_NEG, A2			
	4EB9 0000203A		964	JS
» R	AppendOutput			;
	ne current string	1n A2	to the	output
» string	4EDO 00001DCE		0.65	7.0
00001B10		7055	965	JS
» R	Opcode_AppendSi 4EB9 00001BB2	Zesuti	rıx 966	JS
» R	EA_AppendMXn		סטכ	12
	6000 0074		967	BR
» A	Opcode_Finish		907	DI
" ^	opeode_i iliisii			

00001AC2	LEA		\$00002342, A2
00001AC8	JSR		\$0000203A
00001ACE	BRA	00C2	
00001AD2	LEA		\$000023E3, A2
00001AD8	JSR		\$0000203A
00001ADE	BRA	00B2	
00001AE2	LEA		\$00002353, A2
00001AE8	JSR		\$0000203A
00001AEE	JSR		\$00001BB2
00001AF4	JSR		\$00001EC6
00001AFA	JSR		\$00001EA8
00001B0 <mark>0</mark>	BRA	0090	
00001B04	LEA		\$000023C2, A2
00001B0A	JSR		\$0000203A
00001B10	JSR		\$00001D6 <mark>E</mark>
00001B16	JSR		\$00001BB2
00001B1C	BRA	0074	

(continued)			
00001B20		968	
00001B20		969	0pcode
» _MOVEM:			
00001B20	45F9 00002384	970	LE
» A	STR MOVEM, A2		
	4EB9 0000203A	971	JS
	AppendOutput		;
	he current string in A2		,
	<u> </u>	072	7.0
	4EB9 00001E0A	972	JS
» R	Size6		
00001B32		973	MO
» VE.W			;
» move wor	rd value into working reg	ister	D3
00001B34	C67C 0400	974	AN
» D	#MASK_10, D3		;
» mask bi			
	B67C 0000	975	CM
		273	
	#\$0000,D3		;
» compare			
	6600 0018	976	BN
» E	MOVEM_EA_RL		
00001B <mark>40</mark>		977	MOVEM_
» RL_EA:	; case	of r	egister
» s to men	mory		
	4EB9 00001F08	978	JS
» R	RegisterList_Predecreme		
	4EB9 00001EC6	979	JS
» R		313	33
	AppendComma	000	7.0
	4EB9 00001BB2	980	JS
» R	EA_AppendMXn		
00001B52	6000 003E	981	BR
» A	Opcode_Finish		
00001B56		982	MOVEM
» EA RL:	: case	of m	emory t
» o regist			
00001B56	4EB9 00001BB2	983	JS
» R		203	33
	EA_AppendMXn	004	7.0
00001B5C	4EB9 00001EC6	984	JS
» R	AppendComma		
00001B62	4EB9 00001F58	985	JS
» R	RegisterList_PostIncre	nent	
00001B68	6000 0028	986	BR
» A	Opcode_Finish		
00001B6C		987	
00001B6C		988	Opcode
» JSR:		- 00	opeoue
00001B6C	4550 0000224C	000	LE
	45F9 0000234C	989	LE
» A	STR_JSR, A2	000	
00001B72	4EB9 0000203A	990	JS
» R	AppendOutput		
00001B78	4EB9 00001BB2	991	JS
» R	EA_AppendMXn		;
			•

00001B20	LEA		\$00002384, A2
00001B26	JSR		\$0000203A
00001B2C	JSR		\$00001E0A
00001B32	MOVE.W	D6, D3	
00001B34	MULS	<mark>#\$</mark> 0400,	D3
00001B38	CMP.W	#\$0000,	D3
00001B3C	DATA	6600	
00001B <mark>3E</mark>	ORI.B	#\$4EB9,	(A0)+
00001B4 <mark>2</mark>	ORI.B	# <b>\$</b> 1F08,	D0
00001B46	JSR		\$00001EC6
00001B4C	JSR		\$00001BB2
00001B52	BRA	003E	
00001B56	JSR		\$00001BB2
00001B5C	JSR		<b>\$</b> 00001EC6
00001B62	JSR		\$00001F58
00001B6 <mark>8</mark>	BRA	0028	
00001B6C	LEA		\$0000234C, A2
00001B72	JSR		\$0000203A
00001B78	JSR		\$00001BB2

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(continued)		56.0.7
» Sets D4 & 5 to Src Name & Value	e; Sets	D6 & 7
» to Dest Name & Value		
00001B7E 6000 0012	992	BR
» A Opcode_Finish		
00001B82	993	
00001B82	994	Opcode (
» _SIMHALT:		
00001B82 45F9 000023EA	995	LE
» A STR SIMHALT, A2		
» A STR_SIMHALT, A2 00001B88 4EB9 0000203A	996	JS
» R AppendOutput		;
<pre>» write the current string in A2</pre>	to the	
» string		5 a. 5 p. a. 5
00001B8E 6000 0002	997	BR
	221	DIX
» A Opcode_Finish 00001B92	998	
		0
00001B92	999	0pcode
»_Finish:		
00001B92 43F9 0000220B	1000	
» A OUTPUT, A1		;
» Load Output into A1		
00001B98 4EB9 000020DE	1001	JS
» R TrapTask13		;
<pre>» Send it to the printer</pre>		
00001B9E 45F9 0000220A	1002	LE
» A CURRENT_STR_LENGTH, A	12	
00001BA4 4212	1003	CL
» R.B (A2)		;
» Set Current String Length Back	to Zer	
00001BA6 4EB9 00001FDA		
» R OpcodeSize_SetToElse		;
» reset Opcode Size		,
00001BAC 4CDF 101C	1005	МО
	1005	
» VEM.L (SP)+, D2-D4/A4		;
» return registers to their previ		
00001BB0 4E75	1006	RT
» S		;
» return from function		
00001BB2	1007	
00001BB2	1008	
00001B <mark>B2</mark>	1009	
» end include		
»		
00001BB2	1010	IN
<pre>» CLUDE 'Addressing.X68'</pre>		
00001BB2	1011	
00001B <mark>B2</mark>	1012	
00001BB2	1013	
00001BB2	1013	EA_App
	1014	rv_whh
» endMXn:		

00001B7E	BRA	00 <b>1</b> 2		
00001B82	LEA		\$000023EA,	A2
00001B88	JSR		\$0000203A	
00001B8E	BRA	0002		
0000100			4000000	
00001B92 00001B98 00001B9E	LEA JSR LEA		\$0000220B, \$000020DE \$0000220A,	
00001B <mark>A4</mark>	NEG.B	(A2)		
00001BA6 00001BAC 00001BAE 00001BB0	JSR MOVEM MOVE.B RTS		\$00001FDA (A7)+, D0	

(continued)			
00001BB2	<mark>4EB9</mark> 00001F76	1015	JS
» R	EA_SetIsMXn		
00001BB8	4EB9 00001BD4	1016	JS
» R	EA_AppendModeRegister	^	
00001BBE		1017	RT
» S	,		
00001BC0		1018	
00001BC0		1018	
			E 0 0
00001BC0		1020	EA_App
<pre>» endXnM:</pre>			
00001BC0		1021	JS
» R	EA_SetIsXnM		
00001BC6	4EB9 00001BD4	1022	JS
» R	EA_AppendModeRegister	2	
00001BCC	4EB9 00001F76	1023	JS
» R	EA_SetIsMXn		
00001BD2		1024	RT
» S	.2,3	102.	
00001BD4		1025	
00001BD4		1026	
00001BD4		1027	
00001BD4		1028	EA_App
	Register:		
	48E7 FC40	1029	MO
» VEM.L	D0-D5/A1,-(SP)		
00001BD8	2F06	1030	MO
» VE.L	D6,-( <mark>SP</mark> )		
00001BDA		1031	МО
» VE.L	D6, <mark>D3</mark>		:
	ne current address into o	d3 for	nrocess
» ing	ie carreire adaress inco	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	p. 00033
00001BDC		1032	
	45D0 00001D15		7.0
	4EB9 00001D1E	1033	JS
» R	EA_GetStandardModeInD		
00001BE2		1034	
	B67C 0000	1035	CM
» P	#MODE_Dn,D3		;
» check i	f mode = Dn, data reg d:	irect	
00001BE6	6700 0026	1036	BE
» Q	EA_SetStrArray_Dn		
00001BEA		1037	
00001BEA	B67C 0008	1038	CM
» P	#Mode_An,D3		;
» check i	f mode = An, address re	direc	
	6700 0028	1039	BE
» Q	EA_SetStrArray_An	1000	DL
_		1040	
00001BF2		1040	CV
	B67C 0010	1041	CM
» P	#Mode_AnInd,D3		;
	f mode = (An), address i	_	
00001BF6	6700 002A	1042	BE
» Q	EA_SetStrArray_AnInd		

00001BB2	JSR		\$00001F76
00001BB8	JSR		\$00001BD4
00001BBE	RTS		
00001BC0	JSR		\$00001F90
00001BC6	JSR		\$00001130 \$00001BD4
00001BCC	JSR		\$00001F76
00001BD2	RTS		
00001BD4	MOVEM	. L	D6/5//3//D2/1/
» /D0/, -(A7) 00001BD8	MOVE.L	D6, -(A	7)
00001BDA	MOVE.L	D6, D3	
00001BDC	JSR		\$00001D1E
00001BE2	CMP.W	#\$0000,	D3
00001BE6	DATA		(15)
00001BE8	OK1.B	#\$B67 <mark>C</mark> ,	-(Ab)
00001BEC	ORI.B	<b>#\$</b> 6700,	A0
00001BF <mark>0</mark>	ORI.B	#\$B67C,	\$0010

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00001BFA	1043	
00001BFA B67C 0018	1044	
» P #Mode_AnPostInc,D3	1011	•
<pre>» check if mode = -(An), address</pre>	reg no	st incr
» ement	i cg po	JC IIICI
00001BFE 6700 0036	1045	BE
		DE
» Q EA_SetStrArray_AnPos	CINC	
00001003	1016	
00001C0 <mark>2</mark>	1046	
)»   00001C02	1047	CM
» P #Mode_AnPreDec,D3	1047	
» chec if mode = (An)+, address	nog nno	docnom
» ent	reg pre	decreiii
00001006 6700 0024	1048	BE
		DE
<pre>» Q EA_SetStrArray_AnPre 00001C0A</pre>	1049	
00001C0A 6000 004C	1049	BR
» A EA_ProcessElse	שכשב	DK
00001C0E	1051	
00001C0E	1051	
00001C0E		EA_Set
	1022	EA_Set
<pre>» StrArray_Dn 00001C0E 45F9 000024BE</pre>	1054	LE
» A EA_StrArray_Dn,A2	1054	LE
00001C14 6000 002A	1055	BR
		DK
» A EA_AppendRegisterNam 00001C18	1056	
00001C18		EA_Set
» StrArray_An	1037	LA_Set
00001C18 45F9 000024CE	1058	LE
» A EA_StrArray_An,A2	1000	LE
00001C1E 6000 0020	1059	BR
» A EA_AppendRegisterNam		DIV
00001C22	1060	
00001C22	1060	EA_Set
» StrArray_AnInd	1001	בע_ספנ
00001C22 45F9 000024DE	1062	LE
» A EA_StrArray_AnInd, A2		LL
00001C28 6000 0016	1063	BR
» A EA_AppendRegisterNam		DΙ
00001C2C	1064	
00001C2C	1065	EA_Set
» StrArray_AnPreDec	1000	בע_ספנ
00001C2C 45F9 000024FE	1066	LE
» A EA_StrArray_AnPreDec		LL
00001C32 6000 000C	1067	BR
» A EA_AppendRegisterNam		DIV
00001C36	1068	
00001C36	1069	EA_Set
» StrArray_AnPostInc	1009	
" Jet Al Luy_Alli OJETIIC		

00001BF <mark>6</mark>	DATA	6700	
00001BF <mark>8</mark>	ORT B	# <b>\$</b> B670	\$00186700
90001BL 8	OKI.D	πφυσις	\$00180700
00001 <mark>C00</mark>	ORT B	#\$B67C	\$00206700
00001600	OKLIB	11450763	\$00200700
00001C08	ORI.B	#\$6000,	-(A4)
		#\$45F9,	
00001C <mark>1</mark> 0	ORI.B	#\$24BE,	D0
00001614	DDA	0024	
00001C <mark>14</mark>	BRA	002A	
00001C <mark>18</mark>	LEA		\$000024CE, A2
00001C <mark>1E</mark>	BRA	0020	
9999ICIE	DKA	0020	
00001C22	LEA		\$000024DE, A2
00001600	DD4	0016	
00001C <mark>2</mark> 8	BRA	<mark>00</mark> 16	
00001C <mark>2C</mark>	LEA		\$000024FE, A2
			, , , , ,
00001C32	BRA	000C	
00001C36	LEA		\$000024EE, A2
0300200			-JUUGE ILL) AZ
00001C3C	BRA	0002	

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00001C36	45F9 000024E	E 1070	LE
» A	EA_StrArra	y_AnPostInc,A2	
00001C3C	6000 0002	1071	BR
» A	EA_AppendR	RegisterName	
00001C40		1072	
00001C4 <mark>0</mark>		1073	
00001C40			EA_App
<pre>» endRegi</pre>	sterName		
_	4EB9 00001D4	6 1075	JS
» R	EA GetStar		33
	C6FC 0002	1076	MU
		MENT_WIDTH,D3	•
		e the string arra	ys 200
» word-or		se the String arra	ys are
		1077	МО
	3472 3000	1077	МО
	(A2,D3),A2		;
	es destinatio	· · ·	
	4EB9 0000203		JS
» R	AppendOutp		;
		the MXn result	
00001C54	6000 00C0	1079	BR
» A	EA_Return		
00001C5 <mark>8</mark>		1080	
00001C58		1081	
00001C58		1082	EA_Pro
» cessEls	e		
00001C58	4EB9 00001D4	6 1083	JS
» R	EA GetStar	dardRegInD3	
00001C5E	_	1084	
00001C5E	B67C 0004	1085	CM
» P	#MODE_Imm,	D3	
00001C62		1086	BE
» Q	EA_Process		
00001C66	LA_ITOCCSS	1087	
00001000		1007	
00001C66	B67C 0000	1088	CM
	#MODE_Absw		CM
» P	_		DE
00001C6A		1089	BE
» Q	EA_Process	AbsoluteWord	
00001C <mark>6E</mark>		1090	
»			
00001C6E	6000 008A	1091	BR
» A	EA_Process	AbsoluteLong	
00001C72		1092	
00001C72		1093	EA_Pro
» cessImn	nediate		
00001C72	4EB9 00001FE	A 1094	JS
» R	OpcodeSize	_GetSize	
00001C78		1095	
00001C78	B07C 0000	1096	CM
» P	#OPCODESIZ	E BYTE,D0	

00001C40 00001C46 00001C4A		#\$0002, \$30004E	
00001C50	ORI.B	#\$203A,	D0
00001C54	BRA	00C0	
00001C5 <mark>8</mark>	JSR		\$00001D46
00001C5E	CMP.W	#\$0004,	D3
22224552	D.T.	5700	
00001C62 00001C64	DATA ORT B	6700 #\$B67C,	Δ6
00001C64		#\$6700,	
00001C6 <mark>C</mark>		#\$6000,	
00001C72	JSR		\$00001FEA
00001072	אכנ		POODOTLEA
			Beyond Compare v4.2.10

(continued)			
00001C7C	6700 000E	1097	BE
» Q	<pre>EA_ProcessImmediateBy</pre>	te	
00001C80		1098	
00001C8 <mark>0</mark>	B07C 0001	1099	CM
» P	#OPCODESIZE_WORD,D0	1000	Cit
00001C84		1100	BE
» Q	<pre>EA_ProcessImmediateWo</pre>	rd	
00001C88		1101	
00001C88	6000 003A	1102	BR
» A			DIC
	EA_ProcessImmediateLo	_	
00001C8C		1103	
00001C8C		1104	
00001C8 <mark>C</mark>			EA Pro
	odiatoDuta	1103	LA_I TO
	ediateByte		
	45F9 000024B7	1106	LE
» A	EA_Str_Hash,A2		;
	e '#' value into A2		
	4EB9 0000203A	1107	JS
		1107	33
» R	AppendOutput		
00001C98		1108	
00001C9 <mark>8</mark>	4EB8 1072	1109	JS
» R	<pre>Get_Next_Word_D6</pre>		;
	e next word into D3		•
	CC7C 000F	1110	ΛNI
		1110	AN
» D.W	#\$0F,D6		;
» mask th	e word in D6 to a byte		
00001CA0	4EB9 00002066	1111	JS
» R	PrintASCIIWord		;
			,
	ciiWord uses d6 as input		
00001CA6	6000 006 <mark>E</mark>	1112	BR
» A	EA_Return		
00001CAA		1113	
00001CAA		1114	EA_Pro
	ediateWord		LA_I TO
	45F9 000024B9	1115	LE
» A	EA_Str_HashDollar,A2		
» ; m	ove the '#' value into A	2	
	4EB9 0000203A	1116	JS
» R			33
	AppendOutput		
00001CB6		1117	
00001CB6	4EB8 1072	1118	JS
» R	Get_Next_Word_D6		;
	e next word into D3		
	4EB9 00002066	1119	JS
		1119	
» R			;
<pre>» PrintAs</pre>	ciiWord uses d6 as input		
00001CC0	6000 0054	<b>11</b> 20	BR
» A	EA_Return		
		1121	
00001CC4			
00001CC4		1122	EA_Pro
<pre>» cessImm</pre>	ediateLong		

00001C78	CMP.W	#\$0000,	D0
00001C7C	DATA	6700	
00001C7E		#\$B07C,	A6
00001C8 <mark>2</mark>			
00001C8 <mark>6</mark>	ORI.B	#\$6000,	-(A4)
00001C8 <mark>A</mark>	ORI.B	#\$45F9,	<b>\$</b> 000024B7
00001C92	JSR		\$0000203A
00001C98	JSR		\$1072
00001C9 <mark>C</mark>	MULS	#\$000F,	D6
00001CA0	JSR		\$00002066
00001646	DDA	0065	
00001CA6 00001CAA	BRA LEA	006E	\$000024B9, A2
00001CB0	JSR		\$0000203A
00001CB6	JSR		\$1072
00001CBA	JSR		\$00002066
00001CC <mark>0</mark>	BRA	0054	
00001CC4	LEA		\$000024B9, A2

» A EA_Str_HashDollar,A2	
» ; move the '#' value into A2	
00001CCA 4EB9 0000203A 1124	JS
» R AppendOutput	
00001CD0 1125	
00001CD0 4EB8 107E 1126	JS
<pre>» R Get_Next_Long_D7</pre>	;
» pull the next word into D3	
00001CD4 2C07 1127	MO
» VE.L D7,D6	
00001CD6 4EB9 00002066 1128	JS
» R PrintASCIIWord	;
<pre>» PrintAsciiWord uses d6 as input</pre>	
00001CDC 6000 0038 1129	BR
» A EA_Return	
00001CE0 1130	
00001CE0 1131	
00001CE0 1132	
	EA_Pro
<pre>» cessAbsoluteWord</pre>	
00001CE0 45F9 000024BC 1134	
» A EA_Str_Dollar,A2	; move
» the '#\$' value into A2	
00001CE6 4EB9 0000203A 1135	JS
» R AppendOutput	
00001CEC 1136	
00001CEC 4EB8 1072 1137	JS
» R Get_Next_Word_D6	;
» pull the next word into D3	
00001CF0 4EB9 00002066 1138	JS
» R PrintASCIIWord	;
<pre>» PrintAsciiWord uses d6 as input</pre>	
00001CF6 6000 001E 1139	BR
» A EA_Return	
00001CFA 1140	
00001CFA 1141	
00001CFA 1142	EA_Pro
» cessAbsoluteLong	
00001CFA 45F9 000024BC 1143	
» A EA_Str_Dollar,A2	; move
» the '#\$' value into A2	
00001D00 4EB9 0000203A 1144	JS
» R AppendOutput	
00001D06 1145	
00001D06 4EB8 107E 1146	
» R Get_Next_Long_D7	;
» pull the next word into D3	
00001D0A 2C07 1147	МО
» VE.L D7,D6	
00001D0C 4EB9 000020C4 1148	JS
» R PrintASCIILong	;

00001CCA	JSR		\$0000203A
00001CD0	JSR		\$107E
00001CD4	MOVE.L	D7, D6	
00001CD6	JSR		\$00002066
00001CDC	BRA	0038	
00001CE0	LEA		\$000024BC, A2
00001CE6	JSR		\$0000203A
00001CEC	JSR		\$1072
00001CF <mark>0</mark>	JSR		\$00002066
00001CF <mark>6</mark> 00001CFA	BRA LEA	001E	\$000024BC, A2
00002017			, , , , , , , , , , , , , , , , , , ,
00001D00	JSR		\$0000203A
00001D06	JSR		\$107E
00001D0A	MOVE.L	D7, D6	

(Continued)		
» PrintAsciiWord uses d6 as input		
00001D <mark>12 6</mark> 000 00 <mark>02</mark>	1149	BR
» A EA_Return		
00001D1 <mark>6</mark>	1150	
00001D16	1151	
00001D16	1152	EA_Ret
» urn		_
00001D16 2C1F	1153	МО
	1133	110
» VE.L (SP)+,D6	4454	
00001D18 4CDF 023F	1154	MO
» VEM.L (SP)+,D0-D5/A1		;
» clean up the other stack storag	e	
00001D1C 4E75	1155	RT
» S		
00001D1E	1156	
00001D1E	1157	
00001012	1137	
00001015	1150	
00001D1E	1158	
00001D <mark>1E</mark>	1159	
00001D <mark>1E</mark>	<b>11</b> 60	
00001D1E	1161	EA_Get
» StandardModeInD3		_
		i
00001D1E 2F04	1162	МО
» VE.L D4,-(SP)	1162	МО
	1162 1163	MO MO
» VE.L D4,-(SP)		
<pre>» VE.L D4,-(SP) 00001D20 2606 » VE.L D6,D3</pre>	1163	MO ;
<pre>» VE.L D4,-(SP) 00001D20 2606 » VE.L D6,D3 » copy the current address into d</pre>	1163	MO ;
<pre>» VE.L D4,-(SP) 00001D20 2606 » VE.L D6,D3 » copy the current address into d » ing</pre>	1163 3 for	MO ; process
<pre>» VE.L D4,-(SP) 00001D20 2606 » VE.L D6,D3 » copy the current address into d » ing 00001D22 4EB9 00001F68</pre>	1163	MO ; process
<pre>» VE.L D4,-(SP) 00001D20 2606  » VE.L D6,D3  » copy the current address into d » ing 00001D22 4EB9 00001F68  » R EA_GetIsXnM</pre>	1163 3 for 1164	MO ; process
<pre>» VE.L D4,-(SP) 00001D20 2606 » VE.L D6,D3 » copy the current address into d » ing 00001D22 4EB9 00001F68 » R EA_GetIsXnM » determine if this is MXn, or Xn</pre>	1163 3 for 1164 M,	MO ; process
<pre>» VE.L D4,-(SP) 00001D20 2606  » VE.L D6,D3  » copy the current address into d » ing 00001D22 4EB9 00001F68  » R EA_GetIsXnM</pre>	1163 3 for 1164	MO ; process JS ;
<pre>" VE.L D4,-(SP) 00001D20 2606 " VE.L D6,D3 " copy the current address into d " ing 00001D22 4EB9 00001F68 " R EA_GetIsXnM " determine if this is MXn, or Xn 00001D28 "</pre>	1163 3 for 1164 M, 1165	MO; process JS;
<pre>» VE.L D4,-(SP) 00001D20 2606  » VE.L D6,D3  » copy the current address into d » ing 00001D22 4EB9 00001F68  » R EA_GetIsXnM  » determine if this is MXn, or Xn 00001D28</pre>	1163 3 for 1164 M, 1165	MO; process JS;
<pre>" VE.L D4,-(SP) 00001D20 2606 " VE.L D6,D3 " copy the current address into d " ing 00001D22 4EB9 00001F68 " R EA_GetIsXnM " determine if this is MXn, or Xn 00001D28 "</pre>	1163 3 for 1164 M, 1165	MO; process JS;
<pre>» VE.L D4,-(SP) 00001D20 2606  » VE.L D6,D3  » copy the current address into d » ing 00001D22 4EB9 00001F68  » R EA_GetIsXnM  » determine if this is MXn, or Xn 00001D28  »  » which determines which bits we 00001D28 B07C 0001  » P #IsTrue,D0</pre>	1163 3 for 1164 M, 1165 inspec	MO; process  JS; ;
<pre>» VE.L D4,-(SP) 00001D20 2606  » VE.L D6,D3  » copy the current address into d » ing 00001D22 4EB9 00001F68  » R EA_GetIsXnM  » determine if this is MXn, or Xn 00001D28  »  » which determines which bits we 00001D28 B07C 0001  » P #IsTrue,D0</pre>	1163 3 for 1164 M, 1165 inspec	MO ; process JS ;
<pre>" VE.L D4,-(SP) 00001D20 2606 " VE.L D6,D3 " copy the current address into d " ing 00001D22 4EB9 00001F68 " R EA_GetIsXnM " determine if this is MXn, or Xn 00001D28 " " which determines which bits we 00001D28 B07C 0001 " P #IsTrue,D0 " if MXn, no bit shifting is requ</pre>	1163 3 for 1164 M, 1165 inspec	MO; process  JS; ; ct  CM;
<pre>" VE.L D4,-(SP) 00001D20 2606 " VE.L D6,D3 " copy the current address into d " ing 00001D22 4EB9 00001F68 " R EA_GetIsXnM " determine if this is MXn, or Xn 00001D28 " " which determines which bits we 00001D28 B07C 0001 " P #IsTrue,D0 " if MXn, no bit shifting is requ 00001D2C 6700 0006</pre>	1163 3 for 1164 M, 1165 inspec	MO; process  JS; ; ct  CM;
<pre>" VE.L D4,-(SP) 00001D20 2606 " VE.L D6,D3 " copy the current address into d " ing 00001D22 4EB9 00001F68 " R EA_GetIsXnM " determine if this is MXn, or Xn 00001D28 " " which determines which bits we 00001D28 B07C 0001 " P #IsTrue,D0 " if MXn, no bit shifting is requ 00001D2C 6700 0006 " Q EA_ShiftXnM_Mode</pre>	1163 3 for 1164 M, 1165 inspec 1166 ired 1167	MO; process  JS; ; ct  CM; BE
<pre>" VE.L D4,-(SP) 00001D20 2606 " VE.L D6,D3 " copy the current address into d " ing 00001D22 4EB9 00001F68 " R EA_GetIsXnM " determine if this is MXn, or Xn 00001D28 " which determines which bits we 00001D28 B07C 0001 " P #IsTrue,D0 " if MXn, no bit shifting is requ 00001D2C 6700 0006 " Q EA_ShiftXnM_Mode 00001D30 6600 000A</pre>	1163 3 for 1164 M, 1165 inspecting ired 1167 1168	MO; process  JS; ; ct  CM; BE BN
<pre>" VE.L D4,-(SP) 00001D20 2606 " VE.L D6,D3 " copy the current address into d " ing 00001D22 4EB9 00001F68 " R EA_GetIsXnM " determine if this is MXn, or Xn 00001D28 " " which determines which bits we 00001D28 B07C 0001 " P #IsTrue,D0 " if MXn, no bit shifting is requ 00001D2C 6700 0006 " Q EA_ShiftXnM_Mode 00001D30 6600 000A " E EA_Mask_Mode</pre>	1163 3 for 1164 M, 1165 inspectived 1166 ired 1167 1168 ;	MO; process  JS; ; t  CM; BE  BN if XnM,
<pre>» VE.L D4,-(SP) 00001D20 2606 » VE.L D6,D3 » copy the current address into d » ing 00001D22 4EB9 00001F68 » R EA_GetIsXnM » determine if this is MXn, or Xn 00001D28 » » which determines which bits we 00001D28 B07C 0001 » P #IsTrue,D0 » if MXn, no bit shifting is requ 00001D2C 6700 0006 » Q EA_ShiftXnM_Mode 00001D30 6600 000A » E EA_Mask_Mode » shift over 3 bits so bits 8/7/</pre>	1163 3 for 1164 M, 1165 inspectived 1166 ired 1167 1168 ;	MO; process  JS; ; t  CM; BE  BN if XnM,
<pre>" VE.L D4,-(SP) 00001D20 2606 " VE.L D6,D3 " copy the current address into d " ing 00001D22 4EB9 00001F68 " R EA_GetIsXnM " determine if this is MXn, or Xn 00001D28 " " which determines which bits we 00001D28 B07C 0001 " P #IsTrue,D0 " if MXn, no bit shifting is requ 00001D2C 6700 0006 " Q EA_ShiftXnM_Mode 00001D30 6600 000A " E EA_Mask_Mode</pre>	1163 3 for 1164 M, 1165 inspectived 1166 ired 1167 1168 ;	MO; process  JS; ; t  CM; BE  BN if XnM,
<pre>» VE.L D4,-(SP) 00001D20 2606 » VE.L D6,D3 » copy the current address into d » ing 00001D22 4EB9 00001F68 » R EA_GetIsXnM » determine if this is MXn, or Xn 00001D28 » » which determines which bits we 00001D28 B07C 0001 » P #IsTrue,D0 » if MXn, no bit shifting is requ 00001D2C 6700 0006 » Q EA_ShiftXnM_Mode 00001D30 6600 000A » E EA_Mask_Mode » shift over 3 bits so bits 8/7/</pre>	1163 3 for 1164 M, 1165 inspectived 1166 ired 1167 1168 ;	MO; process  JS; ; t  CM; BE  BN if XnM,
<pre>" VE.L D4,-(SP) 00001D20 2606 " VE.L D6,D3 " copy the current address into d " ing 00001D22 4EB9 00001F68 " R EA_GetIsXnM " determine if this is MXn, or Xn 00001D28 " " which determines which bits we 00001D28 B07C 0001 " P #IsTrue,D0 " if MXn, no bit shifting is requ 00001D2C 6700 0006 " Q EA_ShiftXnM_Mode 00001D30 6600 000A " E EA_Mask_Mode " shift over 3 bits so bits 8/7/" " ted like 5/4/3</pre>	1163 3 for 1164 M, 1165 inspec 1166 ired 1167 1168 ; 6 can 1169	MO; process  JS; ; t  CM; BE  BN if XnM, be trea
<pre>" VE.L D4,-(SP) 00001D20 2606 " VE.L D6,D3 " copy the current address into d " ing 00001D22 4EB9 00001F68 " R EA_GetIsXnM " determine if this is MXn, or Xn 00001D28 " which determines which bits we 00001D28 B07C 0001 " P #IsTrue,D0 " if MXn, no bit shifting is requ 00001D2C 6700 0006 " Q EA_ShiftXnM_Mode 00001D30 6600 000A " E EA_Mask_Mode " shift over 3 bits so bits 8/7/" " ted like 5/4/3 00001D34 00001D34</pre>	1163 3 for 1164 M, 1165 inspec 1166 ired 1167 1168 ; 6 can 1169	MO; process  JS; ; t  CM; BE  BN if XnM,
<pre>" VE.L D4,-(SP) 00001D20 2606 " VE.L D6,D3 " copy the current address into d " ing 00001D22 4EB9 00001F68 " R EA_GetIsXnM " determine if this is MXn, or Xn 00001D28 " " which determines which bits we 00001D28 B07C 0001 " P #IsTrue,D0 " if MXn, no bit shifting is requ 00001D2C 6700 0006 " Q EA_ShiftXnM_Mode 00001D30 6600 000A " E EA_Mask_Mode " shift over 3 bits so bits 8/7/" " ted like 5/4/3 00001D34</pre>	1163 3 for 1164 M, 1165 inspec 1166 ired 1167 1168 ; 6 can 1169	MO; process  JS; ; t  CM; BE  BN if XnM, be trea

ı.ıxı		
00001D0 <mark>C</mark>	JSR	\$000020C4
00001D1 <mark>2</mark>	BRA	0002
00001D16	MOVE.L	(A7)+, D6
		(,,,
00001D18	MOVEM	.W (A7)+,
00001D1A	ORI.B JSR	#\$4E75, \$2F042606 \$00001F68
00001D22 00001D28		
00001D2C		
00001D2E	ORI.B	#\$6600, D6
00001D32	ORI.B	#\$283C, A2
00001D36		#\$0003, D0
00001D3A	ASR	.L #4, D3
		#\$0000, D3
00001D40 00001D46	OKT.B	#\$281F, \$4E75
00001D46	MOVE.L	D4, -(A/)

(continued)		
» VE.L #EA_MODE_ASRL_DISTANG	CE,D4	
00001D3A E8A3	1172	AS
» R.L D4,D3		;
<pre>» shift to the right so the MODE</pre>	masks	align
00001D3C	1173	6
00001D3C		EA_Mas
	11/4	LA_Mas
» k_Mode		
00001D3C C6BC 00000038	1175	AN
» D.L #MASK_543,D3		
00001D4 <mark>2 281</mark> F	1176	MO
» VE.L (SP)+,D4		
00001D44 4E75	1177	RT
» S		
00001D46	1178	
00001D46	1179	
00001D46		EA_Get
	1100	EA_Get
» StandardRegInD3		
00001D46 2F04	1181	MO
» VE.L D4,-(SP)		
00001D48 2606	1182	MO
» VE.L D6,D3		;
» copy the current address into o	d3 for	process
» ing		
00001D4A 4EB9 00001F68	1183	JS
» R EA GetIsXnM	1105	;
» determine if this is MXn, or Xi	αM	,
00001D50	1184	
	1184	
»		;
» which determines which bits we		
00001D50 B07C 0001	1185	CM
» P #IsTrue,D0		;
» if MXn, no bit shifting is requ	uired	
00001D54 6700 0006	1186	BE
<pre>» Q</pre>		;
» if XnM, shift over 3 bits so b		/6 can
» be treated like 5/4/3		,
00001D58 6600 000A	1187	BN
	1107	DIV
	1100	
00001D5C	1188	E A . C
00001D5C	1189	EA_Shi
<pre>» ftXnM_Register</pre>		
00001D5C 283C 00000009	1190	
<pre>» VE.L #EA_REGISTER_ASRL_DIS</pre>	STANCE,	
00001D62 E8A3	1191	AS
» R.L D4,D3		;
» shift to 543 for use with the	standar	MODE m
» asks		<b>-</b>
00001D64	1192	
00001D64 00001D64		EA_Mas
	1193	EA_MaS
» k_Register		
00001D64	1194	AN

00001D48	MOVE.L	D6, D3	
00001D4A 00001D50 00001D54 00001D56	DATA		
00001D5A 00001D5E	ORI.B ORI.B		
00001D62	ASR	.L	#4, D3
00001D64	MULS	<b>#\$0000</b> ,	D3

(continued)			
	#MASK_210,D3		
00001D6A	281F	1195	MO
» VE.L	(SP)+,D4		
00001D6C	4F75	1196	RT
» S			
_		1107	
00001D6E		1197	
00001D6E		1198	
00001D6E		1199	
00001D6E		1200	0pcode
» _Append	dSizeSuffix:		
00001D6E	3606	1201	MO
» VE.W	D6, D3		
» ; mov	ve current word int	o working re	gister
	C67C 00C0		AN
	#MASK_76, D3		
	sk bits 7, 6		
00001D74		1203	
	B67C 0000	1203	
		1204	CIM
	#\$0000, D3		
	npare with 00		
	6700 0012	1205	BE
	Opcode_AppendSi	zeSuffix_B	
» ; if	equal goto B		
00001D7C		1206	
00001D7C	B67C 0040	1207	CM
» P.W	#\$0040, D3		
	npare with 01		
	6700 0022	1208	BE
	Opcode_AppendSi	zeSuffix W	
	equal goto W	_	
00001D84		1209	
	B67C 0080	1210	СМ
	#\$00 <mark>80, D3</mark>	1210	CM
	-		
	npare with 10	4244	D.F.
	6700 0032	1211	BE
» Q	Opcode_AppendSi	zeSuttix_L	
	equal goto L		
00001D8C		1212	
»			
» ; if	bytes are 11 there	is an error	, not h
» andling	g this currently		
00001D8C		1213	Opcode
» Append	dSizeSuffix_B:		
	45F9 000022D0	1214	LE
» A			
	4EB9 0000203A	1215	JS
	AppendOutput	1213	J.5
	ite '.B' to the out	nut stains	
	383C 0000	1216	MO
		1216	МО
	#\$0000, D4		
	D4 to 00		
00001D9C	4EB9 00001FAA	1217	JS

00001D6 <mark>8</mark>	ORI.B	#\$281F,	D7
00001D6C	RTS		
00001D6E	MOVE.W	D6, D3	
00001D7 <mark>0</mark> 00001D74		#\$00C0, #\$0000,	
00001D7 <mark>8</mark>	DATA		
00001D7 <mark>A</mark>	ORI.B	# <b>\$</b> B67C,	(A2)
00001D <mark>7E</mark>	ORI.W	<b>#\$</b> 6700,	DØ
00001D8 <mark>2</mark> 00001D8 <mark>6</mark>		#\$B67C, #\$67000	
00001D8C	LEA		\$000022D0, A2
00001D92	JSR		\$0000203A
00001D98	MOVE.W	#\$0000,	D4
00001D9C	JSR		\$00001FAA

(continued)			
» R	OpcodeSize_SetToByte	4240	D.T.
00001DA2	4E/5	1218	RT
» S		1210	
00001DA4		1219	
00001DA4		1220	Opcode
	SizeSuffix_W:		
	45F9 000022D4	1221	LE
	STRING_W, A2		_
	4EB9 0000203A	1222	JS
	AppendOutput		
	te '.W' to the output st	_	
	383C 0001	1223	MO
	#\$0001, D4		
	D4 to 01		_
	4EB9 00001FBA	1224	JS
	OpcodeSize_SetToWord		
00001DB <mark>A</mark>	4E75	1225	RT
» S			
00001DBC		1226	
00001DBC		1227	Opcode
	SizeSuffix_L:		
	45F9 000022D8	1228	LE
	STRING_L, A2		
	4EB9 0000203A	1229	JS
	AppendOutput		
	te '.L' to the output st		
	383C 0002	1230	MO
	#\$0002, <mark>D4</mark>		
	D4 to 10		
	4EB9 00001FCA	1231	JS
	OpcodeSize_SetToLong		
00001DD2	4E75	1232	RT
» S			
00001DD4		1233	
00001DD4		1234	
00001DD4			Size8:
00001DD4			МО
		move	current
	nto working register		
	C67C 0100		AN
			bit 8
	B67C 0000		CM
	#\$0000, D3 ;	compa	re with
» D3			
	6700 0016		BE
	Size8_W ;	if eq	ual got
» o W			
00001DE2			Size8_
» L:		not eq	ual fal
» 1 throu	gn to L		

00001DA2	RTS		
00001DA4	LEA		\$000022D4, A2
00001DAA	JSR		\$0000203A
00001DB0	MOVE.W	#\$0001,	D4
00001DB4	JSR		\$00001FBA
00001DBA	RTS		
00001DBC	LEA		\$000022D8, A2
00001DC2	JSR		\$0000203A
00001DC8	MOVE.W	#\$0002,	D4
00001DCC	JSR		\$00001FCA
00001DD2	RTS		
00001DD4 00001DD6	MOVE.W MULS	D6, D3 #\$0100,	D3
00001DDA	CMP.W	#\$0000,	D3
00001DDE	DATA	6700	
00001DE0	ORI.B	#\$45F9,	(A6)
00001DE4 00001DE8	ORI.B JSR	#\$22D8,	D0 \$0000203A Bevond Compare v4.2.10

(continued)	
0000455	

0000TDE 7	45F9 000022D8	1241 L	E
» A	STRING_L, A2		
	4EB9 0000203A		S
	AppendOutput	; write '	•
	ne output string		
	4EB9 00001FCA	1243 J	S
» R			
00001DF4	4E75	1244 R	T
» S		1245 6:0	
00001DF6 » W:		1245 Size8	-
	45F9 000022D4	1246 L	E
	STRING_W, A2	1240 L	_
	4EB9 0000203A	1247 J	S
	AppendOutput	; write '	
	ne output string	, wile	•
	4EB9 00001FBA	1248 Ј	S
» R	OpcodeSize SetToWord		
00001E08		1249 R	т
» S			
00001E0A		1250	
00001E <mark>0</mark> A		1251 Size6	:
00001E0A	3606	1252 M	
» VE.W	D6, D3	; move cu	ır
» rent wo	rd into working register		
	C67C 0020	1253 A	
00001E0C		1253 A ; mask bi	N
00001E0C	C67C 0020		N
00001E0C » D.W » 8 00001E10	C67C 0020 #MASK_6, D3 B67C 0000	; mask bi	.N .t
00001E0C » D.W » 8 00001E10 » P.W	C67C 0020 #MASK_6, D3	; mask bi	.N .t
00001E0C » D.W » 8 00001E10 » P.W » with D3	C67C 0020 #MASK_6, D3 B67C 0000 #\$0000, D3	; mask bi  1254 C ; compare	N t
00001E0C » D.W » 8 00001E10 » P.W » with D3 00001E14	C67C 0020 #MASK_6, D3 B67C 0000 #\$0000, D3 6700 0016	; mask bi  1254	N t M
00001E0C » D.W » 8 00001E10 » P.W » with D3 00001E14 » Q	C67C 0020 #MASK_6, D3 B67C 0000 #\$0000, D3	; mask bi  1254 C ; compare	N t M
00001E0C » D.W » 8 00001E10 » P.W » with D3 00001E14 » Q » goto W	C67C 0020 #MASK_6, D3 B67C 0000 #\$0000, D3 6700 0016	; mask bi  1254 C ; compare  1255 B ; if equa	M E
00001E0C » D.W » 8 00001E10 » P.W » with D3 00001E14 » Q » goto W 00001E18	C67C 0020 #MASK_6, D3 B67C 0000 #\$0000, D3 6700 0016	<pre>; mask bi 1254</pre>	N t
00001E0C  » D.W  » 8  00001E10  » P.W  » with D3  00001E14  » Q  » goto W  00001E18  » L:	C67C 0020 #MASK_6, D3 B67C 0000 #\$0000, D3 6700 0016 Size6_W	; mask bi  1254 C ; compare  1255 B ; if equa	N t
00001E0C  » D.W  » 8  00001E10  » P.W  » with D3  00001E14  » Q  » goto W  00001E18  » L:  » qual fai	C67C 0020 #MASK_6, D3 B67C 0000 #\$0000, D3 6700 0016 Size6_W	; mask bi  1254 C ; compare  1255 B ; if equa  1256 Size6 ; if not	M E E I e
00001E0C » D.W » 8 00001E10 » P.W » with D3 00001E14 » Q » goto W 00001E18 » L: » qual fai	C67C 0020 #MASK_6, D3 B67C 0000 #\$0000, D3 6700 0016 Size6_W 11 through to L 45F9 000022D8	; mask bi  1254 C ; compare  1255 B ; if equa  1256 Size6 ; if not	N t
00001E0C » D.W » 8 00001E10 » P.W » with D3 00001E14 » Q » goto W 00001E18 » L: » qual fai 00001E18	C67C 0020 #MASK_6, D3  B67C 0000 #\$0000, D3  6700 0016 Size6_W  11 through to L 45F9 000022D8 STRING L A2	; mask bi  1254	N t E E E E
00001E0C  » D.W  » 8  00001E10  » P.W  » with D3  00001E14  » Q  » goto W  00001E18  » L:  » qual fai  00001E18  » A  00001E1E	C67C 0020 #MASK_6, D3  B67C 0000 #\$0000, D3  6700 0016 Size6_W  11 through to L 45F9 000022D8 STRING_L, A2 4EB9 0000203A	; mask bi  1254	M EE 1 — e E S
00001E0C  » D.W  » 8  00001E10  » P.W  » with D3  00001E14  » Q  » goto W  00001E18  » L:  » qual fai  00001E18  » A  00001E1E  » R	C67C 0020 #MASK_6, D3  B67C 0000 #\$0000, D3  6700 0016 Size6_W  11 through to L 45F9 000022D8 STRING_L, A2 4EB9 0000203A AppendOutput	; mask bi  1254	M EE 1 — e E S
00001E0C  » D.W  » 8  00001E10  » P.W  » with D3  00001E14  » Q  » goto W  00001E18  » L:  » qual fai  00001E18  » A  00001E1E  » R  » L' to ti	C67C 0020 #MASK_6, D3  B67C 0000 #\$0000, D3  6700 0016 Size6_W  11 through to L 45F9 000022D8 STRING_L, A2 4EB9 0000203A AppendOutput the output string	<pre>; mask bi 1254</pre>	N t M EE1 — e E S .
00001E0C » D.W » 8 00001E10 » P.W » with D3 00001E14 » Q » goto W 00001E18 » L: » qual fai 00001E18 » A 00001E1E » R » L' to tl 00001E24	C67C 0020 #MASK_6, D3  B67C 0000 #\$0000, D3  6700 0016 Size6_W  11 through to L 45F9 000022D8 STRING_L, A2 4EB9 0000203A AppendOutput he output string 4EB9 00001FCA	<pre>; mask bi 1254</pre>	M EE 1 — e E S
00001E0C  » D.W  » 8  00001E10  » P.W  » with D3  00001E14  » Q  » goto W  00001E18  » L:  » qual fai  00001E1E  » R  » L' to ti  00001E24  » R	C67C 0020 #MASK_6, D3  B67C 0000 #\$0000, D3  6700 0016 Size6_W  11 through to L 45F9 000022D8 STRING_L, A2 4EB9 0000203A AppendOutput he output string 4EB9 00001FCA OpcodeSize_SetToLong	<pre>; mask bi 1254</pre>	N t M E E S · S
00001E0C  » D.W  » 8  00001E10  » P.W  » with D3  00001E14  » Q  » goto W  00001E18  » L:  » qual fai  00001E1E  » R  » L' to tl  00001E24  » R  00001E2A	C67C 0020 #MASK_6, D3  B67C 0000 #\$0000, D3  6700 0016 Size6_W  11 through to L 45F9 000022D8 STRING_L, A2 4EB9 0000203A AppendOutput he output string 4EB9 00001FCA OpcodeSize_SetToLong	; mask bi  1254	N t M EE1 — e E S .
00001E0C  » D.W  » 8  00001E10  » P.W  » with D3  00001E14  » Q  » goto W  00001E18  » L:  » qual fai  00001E1E  » R  » L' to ti  00001E24  » R	C67C 0020 #MASK_6, D3  B67C 0000 #\$0000, D3  6700 0016 Size6_W  11 through to L 45F9 000022D8 STRING_L, A2 4EB9 0000203A AppendOutput he output string 4EB9 00001FCA OpcodeSize_SetToLong	<pre>; mask bi 1254</pre>	N t E I Le E S · S T

00001DEE	JSR		\$00001FCA
00001DF4	RTS		
00001DF6	LEA		\$000022D4, A2
00001DFC	JSR		\$0000203A
00001E02	JSR		\$00001FBA
00001E08	RTS		
00001E0A 00001E0C 00001E10 00001E14 00001E16 00001E1A 00001E1E	CMP.W DATA ORI.B	#\$0020,	D3 (A6)
00001E24	JSR		\$00001FCA
00001E24	JSR		\$00001FCA
00001E24	JSR RTS		\$00001FCA

» W:	
00001E2C 45F9 000022D4	1262 LE
» A STRING_W, A2	1202
00001E32 4EB9 0000203A	1263 JS
» R AppendOutput	; write '.
	, write .
» W' to the output string	1261 76
00001E38 4EB9 00001FBA	1264 JS
» R OpcodeSize_SetToWord	
00001E3E 4E75	1265 RT
» S	
00001E40	1266
00001E4 <mark>0</mark>	<b>12</b> 67
00001E40	1268 Displa
» cement:	·
00001E40 3606	1269 MO
	move current
<pre>» word into working register</pre>	move current
00001E42 C67C 00FF	1270 AN
» D.W #MASK_76543210, D3 ;	mask so only
» the bottom byte is available	4074
00001E46 B67C 0000	1271 CM
	compare with
» 0	
00001E4A 6700 0010	1272 BE
» Q Displacement_Fetch_Wo	rd
00001E4E 2F06	1273 MO
» VE.L D6,-(SP) ; move	e D6 to stack
<pre>» for preservation</pre>	
00001E50 3C03 » VE.W D3, D6 ; move	1274 MO
» VE.W D3, D6 ; mov	e masked valu
» e into D6 for printing	
00001E52 4EB9 00002066	1275 JS
» R PrintASCIIWord	12.3
00001E58 2C1F	1276 MO
	D6 from stac
» k	4077 07
00001E5A 4E75	1277 RT
» S	
00001E5C	1278 Displa
<pre>» cement_Fetch_Word:</pre>	
00001E5C 4EB8 1078	1279 JS
<pre>» R Get_Next_Word_D7</pre>	
00001E60 3F06	1280 MO
» VE.W D6,-(SP) ; mov	e D6 to stack
» for preservation	
00001E62 3C07	1281 MO
	e value into
» D6 for printing	
00001E64 4EB9 00002066	1282 JS
00001004 4000 00002000	
» R PrintASCIIWord	1202 33

00001E2C	LEA		\$000022D4, A2
00001E32	JSR		\$0000203A
00001E38	JSR		\$00001FBA
00001E3E	RTS		
		DC D2	
00001E40	MOVE.W		
00001E42	MULS	#\$00FF,	D3
00001E46	CMP.W	#\$0000,	D3
00001E4 <mark>A</mark>	DATA	6700	
00001E4 <mark>C</mark>	ORI.B	#\$2F06,	(A0)
00001E50	MOVE.W	D3, D6	

00001E52	JSR	<b>\$</b> 00002066
00001E58	MOVE.L (A7)	+, D6
00001E5A	RTS	

AGGETERA	3C1F		1283	MO
» VE.W	(SP)+,D6	; pop	D6 from	stac
» k				
00001E <mark>6</mark> C	4E75		1284	RT
» S				
00001E6 <mark>E</mark>			1285	
00001E6 <mark>E</mark>			1286	
00001E6 <mark>E</mark>			1287 Dn	
00001E6E			1288	
» VE.W	D6, <mark>D3</mark>	;	move wor	d in
» to D3				
	C67C 0E00		1289	
» D.W	#MASK_11109, D3	;	mask bit	s 11
» , 10, 9				
00001E74			1290	RO
	#7,D3		rotate s	o bi
	in least significa	nt spo		
	C6FC 0002		1291	MU
	#2,D3	;	1291 multiply	by
	Tocc 15 measured 1	ii woi a.	o noc by c	C 3
			1292	LE
	EA_StrArray_Dn,	A4		
00001E80	3474 3000		1293	МО
	(A4,D3),A2			
•	rom StrArray_Dn wi	th off	set D3 in	to A
» 2				
00001E84	4EB9 0000203A AppendOutput		1294	JS
		;	print st	ring
<pre>» in A2</pre>				
00001E8A	4E75		1295	RT
» S	4E75			RT
» S 00001E8C	4E75		1296	RT
» S 00001E8C 00001E8C	4E75		1296 1297	
» S 00001E8C 00001E8C 00001E8C			1296 1297 1298 Dn	210:
» S 00001E8C 00001E8C 00001E8C	3606		1296 1297 1298 Dn 1299	210: MO
» S 00001E8C 00001E8C 00001E8C 00001E8C » VE.W		;	1296 1297 1298 Dn	210: MO
» S 00001E8C 00001E8C 00001E8C » VE.W » to D3	3606 D6,D3	;	1296 1297 1298 Dn 1299 move wor	210: MO d in
» S 00001E8C 00001E8C 00001E8C 00001E8C » VE.W » to D3 00001E8E	3606 D6,D3 C67C 0007		1296 1297 1298 Dn 1299 move wor	210: MO d in
» S 00001E8C 00001E8C 00001E8C 00001E8C » VE.W » to D3 00001E8E » D.W	3606 D6,D3 C67C 0007 #MASK_210, D3		1296 1297 1298 Dn 1299 move wor	210: MO d in
» S 00001E8C 00001E8C 00001E8C » VE.W » to D3 00001E8E » D.W » 1, 0	3606 D6,D3 C67C 0007 #MASK_210, D3		1296 1297 1298 Dn 1299 move wor 1300 mask bit	210: MO d in AN s 2,
» S 00001E8C 00001E8C 00001E8C » VE.W » to D3 00001E8E » D.W » 1, 0 00001E92	3606 D6,D3 C67C 0007 #MASK_210, D3 C6FC 0002	;	1296 1297 1298 Dn 1299 move wor 1300 mask bit	210: MO d in AN s 2,
» S 00001E8C 00001E8C 00001E8C » VE.W » to D3 00001E8E » D.W » 1, 0 00001E92 » LU.W	3606 D6,D3 C67C 0007 #MASK_210, D3 C6FC 0002 #2,D3	;	1296 1297 1298 Dn 1299 move wor 1300 mask bit 1301 multiply	210: MO d in AN s 2, MU by
» S 00001E8C 00001E8C 00001E8C	3606 D6,D3 C67C 0007 #MASK_210, D3 C6FC 0002 #2,D3 Ffset is measured i	;	1296 1297 1298 Dn 1299 move wor 1300 mask bit 1301 multiply s not byt	210: MO d in AN s 2, MU by es
» S 00001E8C 00001E8C 00001E8C . VE.W . to D3 00001E8E . D.W . 1, 0 00001E92 . LU.W . 2 so of 00001E96	3606 D6,D3 C67C 0007 #MASK_210, D3 C6FC 0002 #2,D3 Ffset is measured i 49F9 000024BE	; n word:	1296 1297 1298 Dn 1299 move wor 1300 mask bit 1301 multiply	210: MO d in AN s 2, MU by
» S 00001E8C 00001E8C 00001E8C » VE.W » to D3 00001E8E » D.W » 1, 0 00001E92 » LU.W » 2 so of 00001E96 » A	3606 D6,D3 C67C 0007 #MASK_210, D3 C6FC 0002 #2,D3 Ffset is measured i 49F9 000024BE EA_StrArray_Dn,	; n word:	1296 1297 1298 Dn 1299 move wor 1300 mask bit 1301 multiply s not byt 1302	210: MO d in AN s 2, MU by es LE
» S 00001E8C 00001E8C 00001E8C » VE.W » to D3 00001E8E » D.W » 1, 0 00001E92 » LU.W » 2 so of 00001E96 » A 00001E9C	3606 D6,D3 C67C 0007 #MASK_210, D3 C6FC 0002 #2,D3 Ffset is measured i 49F9 000024BE EA_StrArray_Dn, 3474 3000	; n word: A4	1296 1297 1298 Dn 1299 move wor 1300 mask bit 1301 multiply s not byt 1302	210: MO d in AN s 2, MU by es LE MO
» S 00001E8C 00001E8C 00001E8C 00001E8C » VE.W » to D3 00001E8E » D.W » 1, 0 00001E92 » LU.W » 2 so of 00001E96 » A 00001E9C » VE.W	3606 D6,D3 C67C 0007 #MASK_210, D3 C6FC 0002 #2,D3 Ffset is measured i 49F9 000024BE EA_StrArray_Dn, 3474 3000 (A4,D3),A2	; n word: A4	1296 1297 1298 Dn 1299 move wor 1300 mask bit 1301 multiply s not byt 1302 1303 move str	210: MO d in  AN s 2,  MU by es LE  MO ing
" S 00001E8C 00001E8C 00001E8C " VE.W " to D3 00001E8E " D.W " 1, 0 00001E92 " LU.W " 2 so of 00001E96 " A 00001E9C " VE.W " value f	3606 D6,D3 C67C 0007 #MASK_210, D3 C6FC 0002 #2,D3 Ffset is measured i 49F9 000024BE EA_StrArray_Dn, 3474 3000	; n word: A4	1296 1297 1298 Dn 1299 move wor 1300 mask bit 1301 multiply s not byt 1302 1303 move str	210: MO d in  AN s 2,  MU by es LE  MO ing
" S 00001E8C 00001E8C 00001E8C " VE.W " to D3 00001E8E " D.W " 1, 0 00001E92 " LU.W " 2 so of 00001E96 " A 00001E9C " VE.W " value f	3606 D6,D3 C67C 0007 #MASK_210, D3 C6FC 0002 #2,D3 Ffset is measured i 49F9 000024BE EA_StrArray_Dn, 3474 3000 (A4,D3),A2	; n word: A4	1296 1297 1298 Dn 1299 move wor 1300 mask bit 1301 multiply s not byt 1302 1303 move str	210: MO d in  AN s 2,  MU by es LE  MO ing

00001E5C	JSR		\$1078
00001E60 00001E62 00001E64 00001E6A 00001E6C 00001E6E	MOVE.W JSR MOVE.W RTS	D7, D6 (A7)+, [	
00001E70	MULS	# <b>\$</b> 0E0 <mark>0</mark> ,	D3
00001E74	ROL	. W	D7, D3
00001E76	MULS	<b>#\$0002</b> ,	D3
00001E7A	LEA		\$000024BE, A4
00001E80	MOVE <mark>A.</mark> W	#\$3000,	A2
00001E84	JSR		\$0000203A
00001E8A	RTS		
00001E8C	MOVE.W	D6, D3	
00001E8 <mark>E</mark>	MULS	#\$0007,	D3
00001E92	MULS	#\$0002,	D3
00001E96	LEA		\$000024BE, A4
00001E9C	MOVE <mark>A.</mark> W	#\$3000,	A2
00001EA0	JSR		\$0000203A  Beyond Compare v4.2.10

(conti	nued)
`	,

» R	AppendOutput	;	print str	ing
» 1n A2 00001EA6			1305	
» S				
00001EA8			1306	
00001EA8			1307	
00001EA8			1308 An:	
00001EA8	3606		1309	
		;	move word	
» to D3		ĺ		
00001EAA	C67C 0E00		1310	
» D.W	#MASK_11109, D3	;	mask bits	11
» , <b>10</b> , 9				
00001EAE			1311	RO
	#7,D3	;	rotate so	bi
» ts are	in least significant s	spo	t	
00001EB0	C6FC 0002 #2,D3		1312	MU
» LU.W	#2,D3	;	multiply	by
	fset is measured in wo			
00001EB4	49F9 000024CE		1313	LE
	EA_StrArray_An, A4			
00001EBA	3474 3000 (A4,D3),A2		1314	MO
» value t	rom StrArray_An with o	OTT	set D3 int	OA
_	4FD0 0000000		1315	7.0
» R	4EB9 0000203A AppendOutput		1315	JS
» in A2		,	birtiic sci.	Tilg
00001EC4			1316	RT
» S	41/3		1310	IX I
00001EC6			1317	
00001EC6			1318	
00001EC6			1319 App	end
» Comma:				
00001EC6	45F9 000022C6		1320	LE
» A	STRINGCOMMA, A2	;	move stri	ng
» comma i	nto A2			
00001ECC	4EB9 0000203A		1321	JS
	AppendOutput	;	print str	ing
» in A2				
00001ED2	4E75		1322	RT
» S				
00001ED4			1323	
00001ED4			1224	
00001ED4 00001ED4			1324 1325 Dat	211
» 109:			1323 Dal	all
00001ED4	3606		1326	МО
» VE.W D		10V	e current	
	working register		c carrent	
U 11100				

00001EA6	RTS			
OUUTERU	1113			
00001EA8	MOVE.W	D6, D3		
00001EAA	MULS		D3	
00001EA <mark>E</mark>	ROL	. W	D7, D3	
00001E <mark>B0</mark>	MULS	#\$0002,	D3	
00001504	LEA		<b>#</b> 000034CE	۸.4
00001EB4	LEA		\$000024CE,	A4
00001EBA	MOVE <mark>A.</mark> W	#\$3000,	A2	
00001EBE	JSR		\$0000203A	
00001EC4	RTS			
00001104	KIJ			
00001EC6	LEA		\$000022C6,	A2
00001ECC	JSR		\$0000203A	
00001ED2	RTS			
00001ED4		D6, D3		
00001ED6		#\$0E00,		
00001EDA		\$000025		
00001E <mark>E0</mark>	ROL	. W	D7, D3	
I			Beyond Compare	v4.2.10

(continued)	
00001ED6 C67C 0E00	1327 AN
» D.W #MASK_11109, D3	; mask bits 11, 10
» , 9	
00001EDA 3879 00002584	1328 MO
» VEA Hex_StrArray, A4	; Move the base ar
» ray into A4	
00001EE0 EF5B	1329 RO
» L #7, D3	; rotate left 7 so
» bits are in least signifi	
00001EE2 B67C 0000	1330 CM
» P.W #0, D3	; check if D3 is 0
00001EE6 6600 0004	1331 BN
» E Data11109_NOT_ZERO	
» o, jump ahead	,
00001EEA 5043	1332 AD
	; if D3 is zero, a
» dd 8	, 1. 20 10 10. 0, 0
00001EEC	1333 Data11
» 109 NOT ZERO:	1555 Duculi
00001EEC C7FC 0002	1334 MU
	; multiply by 2 fo
» r correct array offset	, marciply by 2 10
00001EF0 45F9 000022C9	1335 LE
	; move string # in
» to A2	, move sering # in
00001EF6 4EB9 0000203A	1336 JS
» n A2	; print string # i
00001EFC 45F4 3000	1337 LE
	; move ASCII immed
» A (A4,D3), A2 » iate into A2	, move ASCII immed
	1220 70
00001F00 4EB9 0000203A	1338 JS
» R AppendOutput	
00001506 4575	1220 DT
00001F06 4E75	1339 RT
» S	1240
00001F08	1340
00004500	1241
00001F <mark>08</mark>	1341
20224502	4242
00001F0 <mark>8</mark>	1342
00001F08	1343 Regist
» erList_Predecrement:	40
00001F08 4EB8 1078	1344 JS
» R Get_Next_Word_D7	; get next
» word into D7	
00001F0C 3879 000024BE	1345 MO
» VEA EA_StrArray_Dn,	A4 ; move the bas
» e array into A4	
00001F12 383C 0010	1346 MO

; move counter

» VE.W #16, D4

00001EE2	CMP.W	#\$0000,	D3
00001EE6	DATA	6600	
00001EE <mark>8</mark>	ORI.B	<b>#\$</b> 504 <b>3</b> ,	D <b>4</b>
00001EEC	MULS	#\$0002,	D3
00001E <mark>F0</mark>	LEA		\$000022C9, A2
00001EF6	JSR		\$0000203A
00001EFC 00001F02 00001F06		#\$203A,	#\$4EB9, A2 D0
00001F08 00001F0C 00001F12 00001F16 00001F1A	JSR MOVEA.W MOVE.W CMP.W DATA	\$0000248 #\$0010, #\$0000, 6700	

(continued)	١
(COHUHUCU)	,

<pre>" into D4 and set to 15 00001F16</pre>	(continued)				
<pre>" P: 00001F16 B87C 0000</pre>	-	4 and set to 15		4245	D. 100
00001F16         B87C         0000         1348         CM           » P.W         #0, D4         ; check for en           » d of loop         00001F1A         6700         0028         1349         BE           » Q         RL_LOOP_END         00001F1A         350         SU           » BQ         #1, D4         ; decrement           » D4         00001F20         0907         1351         BT           » ST         D4, D7         ; test bit         1352         BN           » ST         D4, D7         ; test bit         1352         BN           » E         RL_LOOP         00001F22         66F2         1352         BN           » E         RL_LOOP         00001F24         C8FC         0002         1353         MU           » LU         #2, D4         ; multiply D4         354         LE           » A         (A4, D4), A2         00001F24         4899         000203A         1355         JS           » R         AppendOutput         ; print re         355         JS         N         R         AppendOutput         ; print re         357         LE         A         STRINGSLASH, A2         00001F34         1359				134/	RL_LOO
# 00 17 100					
# 00 17 100		B87C 0000		1348	CM
# 00 17 100		#0, D4	;	check	for en
<pre>" Q RL_LOOP_END 00001F1E 5344</pre>		op			
<pre>" BQ #1, D4 ; decrement " D4 00001F20 0907</pre>				1349	BE
<pre>" BQ #1, D4 ; decrement " D4 00001F20 0907</pre>	» Q	RL_LOOP_END			
# DB4   00001F20	00001F1E	5344		1350	SU
# DB4   00001F20	» BQ	#1, D4		; de	crement
<pre>" ST</pre>	» D4				
<pre>"in position D4 00001F22 66F2</pre>	00001F20	0907		1351	ВТ
00001F22       66F2       1352       BN         ** E       RL_LOOP       00001F24       C8FC 0002       1353       MU         ** LU       #2, D4       ; multiply D4         ** by 2 for offset       00001F28       45F4 4000       1354       LE         ** A       (A4, D4), A2       00001F2C       4EB9 0000203A       1355       JS         ** R       AppendOutput       ; print re       ** gister         00001F32       89FC 0002       1356       DI         ** VS       #2, D4       ; divide D       **         ** 4 by 2 for counter       **       4 by 2 for counter       **       **       **       4 by 2 for counter       ** <td>» ST</td> <td>D4, D7</td> <td></td> <td>; te</td> <td>st bit</td>	» ST	D4, D7		; te	st bit
00001F22       66F2       1352       BN         ** E       RL_LOOP       00001F24       C8FC 0002       1353       MU         ** LU       #2, D4       ; multiply D4         ** by 2 for offset       00001F28       45F4 4000       1354       LE         ** A       (A4, D4), A2       00001F2C       4EB9 0000203A       1355       JS         ** R       AppendOutput       ; print re       ** gister         00001F32       89FC 0002       1356       DI         ** VS       #2, D4       ; divide D       **         ** 4 by 2 for counter       **       4 by 2 for counter       **       **       **       4 by 2 for counter       ** <td>» in posi</td> <td>tion D4</td> <td></td> <td></td> <td></td>	» in posi	tion D4			
<pre>" E</pre>				1352	BN
00001F24         C8FC 0002         1353         MU           » LU         #2, D4         ; multiply D4           » by 2 for offset         00001F28         45F4 4000         1354         LE           » A         (A4, D4), A2         00001F2C         4EB9 0000203A         1355         JS           » R         AppendOutput         ; print re         **gister         00001F32         89FC 0002         1356         DI           » VS         #2, D4         ; divide D         **divide D         **divide D         **A         STRINGSLASH, A2         **Good D         **Good D					
<pre>" LU #2, D4 ; multiply D4 " by 2 for offset 00001F28</pre>				1353	MU
<pre>" by 2 for offset 00001F28</pre>			:		
00001F28       45F4 4000       1354       LE         » A       (A4, D4), A2       00001F2C       4EB9 0000203A       1355       JS         » R       AppendOutput       ; print re         » gister       00001F32       89FC 0002       1356       DI         » VS       #2, D4       ; divide D         » 4 by 2 for counter         00001F36       45F9 000022CE       1357       LE         » A       STRINGSLASH, A2         00001F3C       4EB9 0000203A       1358       JS         » R       AppendOutput       ; print '/         » '       00001F42       60D2       1359       BR         » A       RL_LOOP       1360       RL_LOO         00001F44       43F9 0000220B       1361       LE         » A       OUTPUT, A1       00001F4A       45F9 0000220A       1362       LE         » A       CURRENT_STR_LENGTH, A2       00001F50       D2D2       1363       AD         » D       (A2), A1       00001F52       12BC 0000       1364       MO         » VE.B       #00, (A1)       00001F58       1365       RT         » S       00001F58       1367       1368       R					,
<pre>" A</pre>				1354	LE
00001F2C       4EB9       0000203A       1355       JS         » R       AppendOutput       ; print re         » gister       00001F32       89FC       0002       1356       DI         » VS       #2, D4       ; divide D         » 4 by 2 for counter         00001F36       45F9       000022CE       1357       LE         » A       STRINGSLASH, A2       2         00001F3C       4EB9       0000203A       1358       JS         » R       AppendOutput       ; print '/       , print '/         » '       00001F42       60D2       1359       BR         » A       RL_LOOP       RL_LOOP       1360       RL_LOO         00001F44       43F9       0000220B       1361       LE         » A       OUTPUT, A1       00001F4A       45F9       0000220A       1362       LE         » A       CURRENT_STR_LENGTH, A2       00001F50       DD       (A2), A1       00001F50       DD       1364       MO         » VE.B       #00, (A1)       00001F56       4E75       1365       RT         » S       00001F58       1366       00001F58       1367       00001F58       1368				2334	
<pre>" R</pre>				1355	75
<pre>" gister 00001F32 89FC 0002 1356 DI " VS #2, D4 ; divide D " 4 by 2 for counter  00001F36 45F9 000022CE 1357 LE " A STRINGSLASH, A2 00001F3C 4EB9 0000203A 1358 JS " R AppendOutput ; print '/ " ' 00001F42 60D2 1359 BR " A RL_LOOP 00001F44 13F9 0000220B 1361 LE " A OUTPUT, A1 00001F44 43F9 0000220A 1362 LE " A CURRENT_STR_LENGTH, A2 00001F50 D2D2 1363 AD " D (A2), A1 00001F52 12BC 0000 1364 MO " VE.B #00, (A1) 00001F56 4E75 1365 RT " S 00001F58 1366 00001F58 1367 00001F58 1367 00001F58 1367 00001F58 1367 00001F58 1368 Regist " erList_Postincrement:</pre>					
00001F32       89FC       0002       1356       DI         » VS       #2, D4       ; divide D         » 4 by 2 for counter         00001F36       45F9       000022CE       1357       LE         » A       STRINGSLASH, A2       00001F3C       4EB9       0000203A       1358       JS         » R       AppendOutput       ; print '/'       '/'       ''         00001F42       60D2       1359       BR         » A       RL_LOOP       1360       RL_LOO         00001F44       43F9       0000220B       1361       LE         » A       OUTPUT, A1       00001F4A       45F9       0000220A       1362       LE         » A       CURRENT_STR_LENGTH, A2       00001F50       DD       (A2), A1       00001F50       DD       (A2), A1       00001F52       1364       MO         » VE.B       #00, (A1)       00001F58       1365       RT         » S       00001F58       1366       00001F58       1367       00001F58       1368       Regist         » erList_Postincrement:       1368       Regist       1368       Regist				, P	I IIIC I E
<pre>" VS #2, D4 ; divide D " 4 by 2 for counter"  00001F36     45F9     000022CE</pre>				1256	DT
<pre>" 4 by 2 for counter"  00001F36     45F9     000022CE</pre>					
00001F36  45F9 000022CE  1357  LE  » A				; a	ivide D
<pre>" A STRINGSLASH, A2 00001F3C 4EB9 0000203A</pre>	» 4 by 2	for counter			
<pre>" A STRINGSLASH, A2 00001F3C 4EB9 0000203A</pre>	00001536	4550 0000000		4257	
00001F3C       4EB9       0000203A       1358       JS         » R       AppendOutput       ; print '/         » '       00001F42       60D2       1359       BR         » A       RL_LOOP       1360       RL_LOO         00001F44       1360       RL_LOO         » P_END:       00001F44       43F9       0000220B       1361       LE         » A       OUTPUT, A1       00001F4A       45F9       0000220A       1362       LE         » A       CURRENT_STR_LENGTH, A2       00001F50       D2D2       1363       AD         » D       (A2), A1       00001F52       12BC       0000       1364       MO         » VE.B       #00, (A1)       1365       RT         » S       00001F58       1366       00001F58         00001F58       1367       1368       Regist         » erList_Postincrement:				1357	LE
<pre>" R</pre>					
" ' 00001F42 60D2 1359 BR " A RL_LOOP 00001F44 1360 RL_LOO " P_END: 00001F44 43F9 0000220B 1361 LE " A OUTPUT, A1 00001F4A 45F9 0000220A 1362 LE " A CURRENT_STR_LENGTH, A2 00001F50 D2D2 1363 AD " D (A2), A1 00001F52 12BC 0000 1364 MO " VE.B #00, (A1) 00001F56 4E75 1365 RT " S 00001F58 1366 00001F58 1367 00001F58 1367 00001F58 1368 Regist " erList_Postincrement:					
00001F42       60D2       1359       BR         » A       RL_LOOP         00001F44       1360       RL_LOO         » P_END:       1361       LE         00001F44       43F9       0000220B       1361       LE         » A       OUTPUT, A1       00001F4A       1362       LE         » A       CURRENT_STR_LENGTH, A2       LE       00001F50       D2D2       1363       AD         » D       (A2), A1       00001F52       12BC       0000       1364       MO         » VE.B       #00, (A1)       00001F56       4E75       1365       RT         » S       00001F58       1366       00001F58       1367       00001F58       1368       Regist         » erList_Postincrement:       Negist       1368       Regist       Negist	» R	AppendOutput		; p	rint '/
<pre>" A</pre>					
00001F44       1360       RL_L00         » P_END:       00001F44       43F9       0000220B       1361       LE         » A       OUTPUT, A1       00001F4A       45F9       0000220A       1362       LE         » A       CURRENT_STR_LENGTH, A2       00001F50       D2D2       1363       AD         » D       (A2), A1       00001F52       12BC       0000       1364       MO         » VE.B       #00, (A1)       00001F56       4E75       1365       RT         » S       00001F58       1366       00001F58       1367       00001F58       1368       Regist         » erList_Postincrement:       Negist       1368       Regist       1368 </td <td></td> <td></td> <td></td> <td>1359</td> <td>BR</td>				1359	BR
<pre>" P_END: 00001F44  43F9 0000220B</pre>		RL_LOOP			
00001F44       43F9       0000220B       1361       LE         » A       OUTPUT, A1       00001F4A       45F9       0000220A       1362       LE         » A       CURRENT_STR_LENGTH, A2       00001F50       D2D2       1363       AD         » D       (A2), A1       00001F52       12BC       0000       1364       MO         » VE.B       #00, (A1)       00001F56       4E75       1365       RT         » S       00001F58       1366       00001F58       1367       00001F58       1368       Regist         » erList_Postincrement:       00001F58       000001F58       00001F58       000001F58       000001F58				1360	RL_LOO
<pre>" A OUTPUT, A1 00001F4A 45F9 0000220A</pre>	» P_END:				
00001F4A       45F9       0000220A       1362       LE         » A       CURRENT_STR_LENGTH, A2         00001F50       D2D2       1363       AD         » D       (A2), A1       (A2)	00001F44	43F9 0000220B		1361	LE
<pre>" A</pre>	» A	OUTPUT, A1			
00001F50 D2D2 1363 AD  "D (A2), A1  00001F52 12BC 0000 1364 MO  "VE.B #00, (A1)  00001F56 4E75 1365 RT  "S  00001F58 1366  00001F58 1367  00001F58 1368 Regist  "erList_Postincrement:	00001F4A	45F9 0000220A		1362	LE
<pre>" D</pre>	» A	CURRENT_STR_LENGTH,	A	2	
00001F52 12BC 0000 1364 MO  » VE.B #00, (A1)  00001F56 4E75 1365 RT  » S  00001F58 1366  00001F58 1367  00001F58 1368 Regist  » erList_Postincrement:	00001F50	D2D2		1363	AD
00001F52 12BC 0000 1364 MO  » VE.B #00, (A1)  00001F56 4E75 1365 RT  » S  00001F58 1366  00001F58 1367  00001F58 1368 Regist  » erList_Postincrement:	» D	(A2), A1			
<pre>" VE.B #00, (A1) 00001F56 4E75</pre>	00001F52	· · · · · · · · · · · · · · · · · · ·		1364	МО
00001F56 4E75 1365 RT  » S  00001F58 1366  00001F58 1367  00001F58 1368 Regist  » erList_Postincrement:					
<pre>» S 00001F58</pre>				1365	RT
00001F58 1366 00001F58 1367 00001F58 1368 Regist » erList_Postincrement:					.,.
00001F58 1367 00001F58 1368 Regist » erList_Postincrement:	_			1366	
00001F58 1368 Regist » erList_Postincrement:					
<pre>» erList_Postincrement:</pre>					Regist
_		Postingrament:		1500	Negrat
00001F30 ;t	_	i ostinci ellent.		1260	.+
	9691138			T 202	ا ر

00001F1 <mark>C</mark>	ORI.B	<b>#\$5344</b> ,	\$0907
00001F22	DATA	66F2	
	27	00. =	
00001F24	MULS	<b>#\$0002</b> ,	D4
00001F28	LEA		#\$4EB9, A2
00001F2 <mark>E</mark>	ORI.B	#\$203A,	D <b>0</b>
00001F32 00001F36	DIVS LEA	#\$0002,	D4 \$000022CE, A2
			•
00001F3C	JSR		\$0000203A
00001F42	BRA	00D2	
00001544			t00000000 44
00001F44	LEA		\$0000220B, A1
00001F4A	LEA		\$0000220A, A2
00001F50	ADDA.W	(A2), A	1
00001F52	MOVE.B	#0000,	(A1)
00001F56	RTS		

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100	1 1 1 1 1 1	ued)
(		,

» odo		
00001F58	<b>1</b> E7E	1370 RT
» S	4673	1370 K1
		4 2 7 4
00001F5A		1371
00001F5A		1372
00001F5A		1373
00001F5A		1374
00001F5A		1375
00001F5A		1376
00001F5A		1377 *====
» =====		
» =====		
» ======		:=
00001F5A		1378 * Eff
» ective	Addressing Helper	Functions
00001F5A		1379 *====
» =====		=======================================
» ======	.=========	:=
00001F5A		1380 EA_Get
» IsMXn		1500 EA_000
00001F5A	2500	1381 MO
	A0,-(SP)	; backup A0
	41F9 000021ED	1382 LE
	EA_IsMXn,A0	; A0 -> the 'is
» MXn' fl	_	
00001F62		1383 MO
	(A0),D0	; copy the 'isM
	g into D0	
00001F64		1384 MO
	(SP)+,A0	; restore A0
00001F66	4E75	1385 RT
» S		
00001F68		1386
00001F68		1387 EA_Get
» IsXnM		_
00001F68	2F08	1388 MO
	A0,-(SP)	; backup A0
00001F6A	41F9 000021EE	1389 LE
	EA_IsXnM,A0	; A0 -> the 'is
» XnM' fl		, AO / CHC 13
00001F70	~	1390 MO
	(A0),D0	
	• • •	; copy the 'isX
	g into D0	1201 40
00001F72		1391 MO
» VE.L	(SP)+,A0	; restore A0
00001F74	4E75	1392 RT
» S		
00001F76		1393
00001F76		1394
00001F76		1395 EA_Set
» IsMXn		

00001F58 RTS	
00001F5A MOVE.L A0, -(A7)	
00001F5C LEA \$6	000021ED, A0
00001F62 MOVE.B (A0), D0	
00001F64 MOVEA.L (A7)+, A0	
00001F66 RTS	
00001F68 MOVE.L A0, -(A7)	
00001F6A LEA \$6	000021EE, A0
00001F70 MOVE D (AQ) DQ	
00001F70 MOVE.B (A0), D0	
00001F72 MOVEA.L (A7)+, A0	
00001F74 RTS	
	Beyond Compare v4.2.1

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00001F76	2F08	13	396	MO	00001F76	MOVE.L	A0, -(A	7)	
» VE.L	A0,-(SP) ;	ba	ckup A0						
00001F78	<b>41F9</b> 000021ED				00001F78	LEA		<b>\$</b> 000021ED,	Α0
» A	EA_IsMXn,A0 ;	A0	-> isMX	(n					
» flag									
00001F7E	10BC 0001	13	398	MO	00001F7E	MOVE.B	#0001,	(A0)	
» VE.B	#IsTrue,(A0) ;	se	et isMXn	=					
» to isTr	ue								
00001F82	41F9 000021EE	13	399	LE	00001F82	LEA		\$000021EE,	Α0
» A	EA_IsXnM,A0 ;	Α0	-> isXn	ıM					
00001F88	10BC 0000	14	100	MO	00001F88	MOVE.B	#0000,	(A0)	
» VE.B	<pre>#IsFalse,(A0) ;</pre>	se	et isXnM	=					
» isFalse									
00001F8C	205F	14	101	MO	00001F8C	MOVEA.L	(A7)+,	A0	
» VE.L	(SP)+,A0 ;	re	estore A0	)					
00001F8E				RT	00001F8E	RTS			
» S									
00001F90		14	103						
00001F90		14	104						
00001F90		14	105 EA_S	et					
» IsXnM									
00001F90				MO	00001F90	MOVE.L	A0, -(A	7)	
» VE.L	A0,-(SP)	ba	ckup A0						
			107		00001F92	LEA		\$000021EE,	Α0
» A	EA_IsXnM,A0 ;	Α0	-> XnM						
00001F98	10BC 0001	14	108	MO	00001F98	MOVE.B	#0001,	(A0)	
» VE.B	<pre>#IsTrue,(A0) ;</pre>	Xn	M set to	i					
» sTrue									
00001F9C	<b>41F9</b> 000021ED	14	109	LE	00001F9C	LEA		<b>\$</b> 000021ED,	Α0
» A	EA_IsMXn,A0 ;	Α0	-> MXn						
00001FA2	10BC 0000	14	10	MO	00001FA2	MOVE.B	#0000,	(A0)	
» VE.B	<pre>#IsFalse,(A0) ;</pre>	MX	(n set to	i					
» sFalse									
00001FA6	205F	14	11	MO	00001FA6	MOVEA.L	(A7)+,	A0	
» VE.L	(SP)+,A0 ;	re	estore A0	)					
00001FA8	4E75	14	12	RT	00001FA8	RTS			
» S									
00001FAA			113						
00001FAA		14	114						
00001FAA		14	15 Opco	ode					
» Size_Se									
00001FAA		14	116	MO	00001FAA	MOVE.L	A0, -(A	7)	
» VE.L	A0,-( <mark>SP</mark> )								
00001FAC	41F9 000021EC	14	117	LE	00001FAC	LEA		\$000021EC,	Α0
» A	OpcodeSize_Current,A0	)							
	10BC 0000		118	МО	00001FB2	MOVE.B	#0000,	(A0)	
	#OPCODESIZE_BYTE,(A0)								
00001FB6		14	119	MO	00001FB6	MOVE <mark>A.</mark> L	(A7)+,	A0	
» VE.L	( <mark>SP</mark> )+,A0								
00001FB8	4E75	14	120	RT	00001FB8	RTS			
» S									
00001FBA		14	21						
								Bevond Compare	v4.2.10

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00001FBA		1422				
00001FBA		1423	Opcode			
» Size_Se						
00001FBA		1424	MO	00001FBA	MOVE.L	A0, -(A7)
	A0,-( <mark>SP</mark> )					
	41F9 000021EC	1425	LE	00001FBC	LEA	\$000021EC, A0
	OpcodeSize_Current,A0					
	10BC 0001	1426	MO	00001FC2	MOVE.B	# <mark>0001</mark> , (A0)
	#OPCODESIZE_WORD, (A0)					
00001FC6		1427	МО	00001FC6	MOVEA.L	(A7)+, A0
1	(SP)+,A0					
00001FC8	4E/5	1428	RT	00001FC8	RTS	
» S		4.420				
00001FCA		1429				
00001FCA		1430				
00001FCA		1431	Oncodo			
00001FCA » Size Se	tTolong	1432	Opcode			
% 3126_36 00001FCA		1433	МО	00001FCA	MOVE I	A0, -(A7)
	A0,-(SP)	1455	MO	OUDDIFCA	MOVELL	A0, -(A7)
	41F9 000021EC	1434	LE	00001FCC	LEA	\$000021EC, A0
	OpcodeSize_Current,A0	1434	LL	OOOOIFCC	LEA	\$0000ZILC, A0
	10BC 0002	1435	МО	00001FD2	MOVE B	# <mark>0002</mark> , (A0)
	#OPCODESIZE_LONG, (A0)	1433	110	000011 D2	TIOVE . D	(AU)
00001FD6	<del>-</del> · · ·	1436	МО	00001FD6	MOVEA.I	(A7)+, A0
	(SP)+,A0	1450	110	000011 00	TIOVEN. E	(11)
00001FD8		1437	RT	00001FD8	RTS	
» S						
00001FDA		1438				
00001FDA		1439	Opcode			
» Size_Se	tToElse					
00001FDA	2F08	1440	МО	00001FDA	MOVE.L	A0, -(A7)
» VE.L	A0,-( <mark>SP</mark> )					
00001FDC	<b>41F9</b> 000021EC	1441	LE	00001FDC	LEA	\$000021EC, A0
» A	OpcodeSize_Current,A0					
00001FE2	10BC 0003	1442	MO	00001FE2	MOVE.B	#0003, (A0)
» VE.B	<pre>#OPCODESIZE_ELSE,(A0)</pre>					
00001FE6	205F	1443	MO	00001FE6	MOVE <mark>A.</mark> L	(A7)+, A0
» VE.L	( <mark>SP</mark> )+,A0					
00001FE8	4E75	1444	RT	00001FE8	RTS	
» S						
00001FEA		1445				
00001FEA		1446				
00001FEA		1447				
00001FEA		1448				
00001FEA		1449	Opcode			
» Size_Ge		4		0000455	140) (= :	12 (17)
00001FEA		1450	MO	00001FEA	MOVE.L	A0, -(A7)
	A0,-(SP)	1.454		00001550	1.54	¢00000450
	41F9 000021EC	1451	LE	00001FEC	LEA	\$000021EC, A0
» A	OpcodeSize_Current,A0	1.450	MO	00001553	MOVE D	(AQ) DQ
00001FF2	1010	1452	MO	00001FF2	MOVE.B	(A0), D0  Beyond Compare v4.2.10
						Doyona Compare V4.2.10

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	(A0),D0		
00001FF4		1453	MO
	( <mark>SP</mark> )+,A0		
00001FF6	4E75	1454	RT
» S			
00001FF8		1455	
00001FF8		1456	
00001FF8		1457	0pcode
» Size_Is	Byte		•
	4EB8 1FEA	1458	JS
» R	OpcodeSize_GetSize		
	B03C 0000	1459	CM
» P.B		1.55	<u></u>
00002000	6700 002E	1460	BE
	Flag_IsTrue	1400	DL
» Q	<del></del>	1461	DD
	6000 0022	1461	BR
» A	Flag_IsFalse	4.50	
00002008		1462	
»			
00002008		1463	
00002008		1464	
00002008		1465	Opcode
» Size_Is			
00002008	4EB8 1FEA	1466	JS
» R	OpcodeSize_GetSize		
0000200 <mark>C</mark>	B03C 0001	<b>14</b> 67	CM
» P.B	#OPCODESIZE_WORD,D0		
00002010	6700 001E	1468	BE
» Q	Flag_IsTrue		
_	6000 0012	1469	BR
» A	Flag_IsFalse		
00002018	485. 4_56	1470	
00002018		1471	
00002018		1471	
00002018			Opcode
	Long	14/3	opcode
» Size_Is		1474	7.0
	4EB8 1FEA	1474	JS
» R	OpcodeSize_GetSize	4.475	614
	B03C 0002	1475	CM
» P.B	#OPCODESIZE_LONG,D0		
	6700 000E	1476	BE
» Q	Flag_IsTrue		
00002024	6000 0002	1477	BR
» A	Flag_IsFalse		
00002028		1478	
00002028		1479	
00002028		1480	
00002028		1481	Flag_I
» sFalse			<b></b>
00002028	4280	1482	CL
» R.L	D0		
0000202A		1483	МО
OOOOZOZA	T02C 0000	1403	M

00001FF4	MOVE <mark>A.</mark> L	(A7)+, A0
00001FF6	RTS	
00001FF8	JSR	\$1FEA
00001FFC	CMP.B	# <mark>0000,</mark> D0
00002000	DATA	6700
0000200 <mark>2</mark>	ORI.B	#\$6000, \$00224EB8
0000200 <mark>A</mark>	MOVE.B	\$B03C0001, \$67 <mark>00001E</mark>
0000201 <mark>4</mark> 00002018	BRA JSR	0012 \$1FEA
00002018	JSK	\$1FEA
0000201C	CMP.B	#0002, D0
0000202 <mark>0</mark> 0000202 <mark>2</mark>	DATA ORI.B	6700 #\$6000, A6
00002026	ORI.B	#\$4280, D2
0000202A	MOVE.B	# <b>0000</b> , <b>D0</b> Beyond Compare v4.2.10

(continued)	
∿ VE B	#TcE

(continued)	#T-F-1 DO		
	#IsFalse,D0		
0000202E	4E75	1484	RT
» S			
00002030		1485	
00002030		1486	
00002030		1487	
00002030			Flag_I
		1400	LTag_T
» sTrue			
00002030		1489	CL
» R.L	D0		
00002032	103C 0001	1490	MO
» VE.B	#IsTrue,D0		
00002036	4E75	1491	RT
» S			
00002038		1492	
		1493	
00002038			
00002038		1494	
00002038		1495	
»	end include		
»			
00002038		1496	;Ι
	'OPCODE_OR.x68'		
00002038		1497	RT
» S	4273	1457	17.1
_		4.400	
0000203A		1498	
0000203A		1499	
0000203A		1500	*****
	*********		*****
» ******	*******	****	
0000203A		1501	* Meth
» od Name	: AppendOutput		
0000203A	· Appendodepae	1502	* Desc
	: This file will be		
		included	in Main
	sassembler program		at.
0000203A		1503	*
	opcodes is being bro	ken down w	e will
» be acti	vely appending the		
0000203A		1504	*
» outpu	t string to prepare	for TRAPTa	sk13
0000203A	O as property	1505	*
0000203A			* Prec
	nc. Annondina Ctui		
	ns: Appending String	15 1n A2	and mus
» t end i	n null		
0000203A		1507	*
»	string constants	are in Gb	1_CONST
» .X68			
0000203A		1508	*
0000203A		1509	
	******		1
**	******		
	<u>ዓ. ዓ. ተ ም ም ም ም ም ም ም ም ም ም ም ም ም ም ም ም ም</u>		
0000203A		1510	Append
<pre>» Output:</pre>			

0000202E	RTS			
00002030	NEG.L	DØ		
00002032	MOVE.B	#0001,	DØ	
00002036	RTS			
00002038	RTS			

(conti	nued)
`	,

0000203A	1511	IN
» CLUDE 'AppendOutput.X68'		
0000203A	1512	SaveIt
» Fam REG A1-A3/D1-D2		_
0000203A	1513	;5
» ave context		
0000203A 48E7 6070	1514	МО
» VEM.L SaveItFam, -(SP)	1515	
0000203E 0000203E	1515	
<pre>" ;Clear the registers I plan or</pre>	1516	ď
0000203E 4241	1517	E CL
» R D1	1317	CL
00002040 4242	1518	CL
» R D2	1310	CL
00002042	1519	
00002042	1520	
00002042	1521	; L
» oad Current Output into A1		,-
00002042 43F9 0000220B	1522	LE
» A OUTPUT, A1		
00002048	1523	
00002048	1524	; C
» ounter D1, Must be set to -1 to	deal	with nu
<pre>» 11 termination of strings</pre>		
00002048 123C 00FF	1525	МО
» VE.B #-1, D1		
0000204C	1526	
0000204C	1527	;5
» et D2 as Current String Length		
0000204C 47F9 0000220A	1528	LE
» A CURRENT_STR_LENGTH, A3		
00002052 1413	1529	MO
» VE.B (A3), D2		
00002054	1530	
00002054	1531	;G
» et to the current position of th		_
00002054 D2C2	1532	AD
» D D2, A1		
00002056	1522	
00002056	1533 1534	• N
» ow that we are in position, star		;N ending
» the string in A2	c app	Chaing
00002056	1535	APPEND
» LOOP:	1000	ALTEND
00002056 5201	1536	AD
» DI.B #1, D1		crement
» Current Length by 1	,	
00002058 12DA	1537	МО
» VE.B (A2)+, (A1)+		ve the
» Byte in A2 to our Output		

0000203A » /D2/1//D0/,		.L A2/A0/7//D6/5/
0000203E	NEG.W	D1
00002040	NEG.W	D2
00002042	LEA	\$0000220B, A1
00002048	MOVE.B	#000F, D1
0000204C	LEA	<b>\$</b> 0000220A, A3
00002052	MOVE.B	(A3), D2
00002054	ADDA.W	D2, A1
00002056	ADDQ.B	#1, D1
00002058		(A2)+, (A1)+
0000205A	DATA	66FA

(continued)		
0000205A 66FA	1538	BN
» E APPENDLOOP	; If zer	o
» has not been reached, Loop Back		
0000205C	1539	
0000205C	1540	
0000205C	1541	
		,
» Update the current string length	i with the	CO
» unter		
0000205C D313	1542	AD
» D.B D1, (A3)		
0000205E	1543	
0000205E	1544	;
» restore context		
0000205E 4CDF 0E06	1545	МО
<pre>» VEM.L (SP)+, SaveItFam</pre>		
00002062	1546	
00002062 4E75	1547	RT
» S		
" 5		
00002064	1548	
00002064	1549	
00002064	1550	
000020 <mark>64</mark>	1551	
» end include		
»		
00002064 4E75	1552	RT
» S		
0000206 <mark>6</mark>	1553	
00002066	1554 ****	**
» *********************		**
» **********************		
00002066	1555 * Me	th.
» od Name: PrintASCIIWord	2555	
00002066	1556 * De	
	רב . חכר <del>ב</del>	. J C
w mintion: This function will to	0 2 16 hi+	
» ription: This function will tak	ce a 16 bit	
» ord as input and convert it to		
<pre>» ord as input and convert it to 00002066</pre>	1557 *	W
<ul><li>» ord as input and convert it to</li><li>00002066</li><li>» ASCII format. It will then ca</li></ul>	1557 * all AppendO	W
<ul><li>» ord as input and convert it to 00002066</li><li>» ASCII format. It will then can put to add it to the print buffer</li></ul>	1557 * all AppendC	W
<ul><li>» ord as input and convert it to</li><li>00002066</li><li>» ASCII format. It will then ca</li></ul>	1557 * all AppendC er. 1558 *	: w Out
<ul><li>» ord as input and convert it to 00002066</li><li>» ASCII format. It will then can put to add it to the print buffer</li></ul>	1557 * all AppendC	: w Out
<pre>» ord as input and convert it to 00002066 » ASCII format. It will then ca » put to add it to the print buffe 00002066</pre>	1557 * all AppendO er. 1558 * 1559 * Pr	: w Out
<pre>» ord as input and convert it to 00002066  » ASCII format. It will then ca » put to add it to the print buffe 00002066 00002066</pre>	1557 * all AppendOer. 1558 * 1559 * Pr 5	ut ec
<pre>» ord as input and convert it to 00002066  » ASCII format. It will then ca » put to add it to the print buffe 00002066 00002066  » onditions: Current word is in De</pre>	1557 * all AppendOer. 1558 * 1559 * Pr	ut ec
<pre>» ord as input and convert it to 00002066  » ASCII format. It will then ca » put to add it to the print buffe 00002066 00002066 » onditions: Current word is in De 00002066</pre>	1557 * all AppendOer. 1558 * 1559 * Pr 5 1560 * 1561 ****	out ec
<pre>» ord as input and convert it to 00002066  » ASCII format. It will then ca » put to add it to the print buffe 00002066 00002066 » onditions: Current word is in De 00002066 00002066</pre>	1557 * all AppendOer. 1558 * 1559 * Pr 5 1560 * 1561 ****	out ec
<pre>" ord as input and convert it to 00002066 " ASCII format. It will then ca " put to add it to the print buffe 00002066 00002066 " onditions: Current word is in De 00002066 00002066 " ***********************************</pre>	1557 * all Appendo er. 1558 * 1559 * Pr 6 1560 * 1561 ***	: W Out rec ***
<pre>" ord as input and convert it to 00002066 " ASCII format. It will then ca " put to add it to the print buffe 00002066 00002066 " onditions: Current word is in De 00002066 00002066 " ***********************************</pre>	1557 * all AppendOer. 1558 * 1559 * Pr 5 1560 * 1561 ****	: W Out rec ***
<pre>" ord as input and convert it to 00002066 " ASCII format. It will then ca " put to add it to the print buffe 00002066 00002066 " onditions: Current word is in De 00002066 " ***********************************</pre>	1557 * all Appendo er. 1558 * 1559 * Pr 5 1560 * 1561 **** **********	out  out  rec  ***
<pre>" ord as input and convert it to 00002066 " ASCII format. It will then ca " put to add it to the print buffe 00002066 00002066 " onditions: Current word is in De 00002066 " water wa</pre>	1557 * all Appendo er. 1558 * 1559 * Pr 5 1560 * 1561 **** ********** 1562 Prir	out  out  rec  ***  itA  MO
<pre>" ord as input and convert it to 00002066 " ASCII format. It will then ca " put to add it to the print buffe 00002066 00002066 " onditions: Current word is in De 00002066 " water wa</pre>	1557 * all Appendo er. 1558 * 1559 * Pr 5 1560 * 1561 **** ********** 1562 Prir	Out  Pec  ***  TA  MO

0000205C	ADD.B	D1, (A3)	)
		, (,	,
0000205E	MOVEM	. W	(A7)+,
	CMPI.B RTS	#\$4E75,	D6
00002066 » D4/3//1//D0/,		.L	A2/1/7//D6/5//
0000206 <mark>A</mark>		\$0000258	84, A4
	MOVE.W MULS		D3
00002076	ROL	. W	D4, D3

0000206A 3879 00002584 1564	МО
» VEA Hex_StrArray, A4 ; Move the	bas
» e array into A4	
00002070 1565	
00002070 3606 1566	MO
» VE.W D6,D3 ; move wor	d i
» nto temp register	
00002072 C67C F000 1567	AN
00002072 C67C F000 1567 » D #MASK_OPCODE, D3 ; mask	fir
» st 4 bits	
00002076 E95B 1568	
» L #4, D3 ; rotat	
» eft 4 so bits are in least significant po	sit
» ion	
00002078 C7FC 0002 1569  » LS #2, D3 ; multiply	MU
» LS #2, D3 ; multiply	by
» 2 for correct array offset	
0000207C 45F4 3000 1570 » A (A4,D3), A2 ; move ASCII	LE
	cha
» r into A2	
00002080 4EB8 203A 1571	JS
» R AppendOutput	
00002084 1572	
00002084 3606 1573 » VE.W D6, D3 ; move word	MO
» VE.W D6, D3 ; move word	ı ın
» to temp register	ΔNI
00002086 C67C 0F00 1574 » D #MASK_111098, D3 ; mask	AN
» ond 4 bits	sec
	PΩ
0000208A E15B 1575 » L #8, D3 ; rotate ri	σht
<pre>» 8 so bits are in least significant posit</pre>	
0000208C C7FC 0002 1576 » LS #2, D3 ; multiply	hv
» 2 for correct array offset	o y
00002090 45F4 3000 1577	LE
» A (A4,D3), A2 ; move ASCI	
» har into A2	
00002094 4EB8 203A 1578	JS
» R AppendOutput	
00002098 1579	
00002098 3606 1580	МО
» VE.W D6, D3 ; move wor	d i
» nto temp register	
0000209A C67C 00F0 1581	AN
» D #MASK_7654, D3 ; mask thi	.rd
» 4 bits	
0000209E E85B 1582	
	RO
» R #4, D3 ; rotate ri	.ght
	.ght
» R #4, D3 ; rotate ri	ght ion

MULS	#\$0002, D3	
LEA	#\$4EB8	A2
MOVE.L	\$3606C67C, D0	
BCLR	D7, D0	
	LEA MOVE.L	MULS #\$0002, D3  LEA #\$4EB8 MOVE.L \$3606C67C, D0

(continued)	
<pre>» 2 for correct array offset</pre>	
000020A4 45F4 3000	1584 LE
» A (A4,D3), A2	move ASCII cha
» r into A2	
000020A8 4EB8 203A	1585 JS
	1303 33
» R AppendOutput	
000020A <mark>C</mark>	1586
000020AC 3606	1587 MO
» VE.W D6, D3	; move word i
<pre>» nto temp register</pre>	
000020AE C67C 000F	1588 AN
» D #MASK_3210, D3	; mask last 4
» bits	
000020B2 C7FC 0002	1589 MU
	; multiply by
The state of the s	, murciply by
» 2 for correct array offset	1500
000020B6 45F4 3000	1590 LE
» A (A4,D3), A2	; move ASCII cha
» r into A2	
000020BA 4EB8 203A	1591 JS
<pre>» R AppendOutput</pre>	
000020BE	1592
000020BE 4CDF 100C	<b>1593</b> MO
» VEM.L (SP)+, D2-D3/A4	
» ters to their previous state	
· · · · · · · · · · · · · · · · · · ·	
000020C2 4E75	1594 RT
	• •
» S	; exit
000020 <mark>C</mark> 4	1595
	1595 1596
000020C4 000020C4 000020C4	1595 1596 1597 *****
000020C4 000020C4 000020C4 » ************************************	1595 1596 1597 *****
000020C4 000020C4 000020C4	1595 1596 1597 *****
000020C4 000020C4 000020C4 » ************************************	1595 1596 1597 ***** *************
000020C4 000020C4 000020C4 """"""""""""""""""""""""""""""""""""	1595 1596 1597 *****
000020C4 000020C4 000020C4 """"""""""""""""""""""""""""""""""""	1595 1596 1597 ***** *******************************
000020C4 000020C4 000020C4 """"""""""""""""""""""""""""""""""""	1595 1596 1597 ***** *******************************
000020C4 000020C4 000020C4  " ***********************************	1595 1596 1597 ***** *******************************
000020C4 000020C4 000020C4      ********************************	1595 1596 1597 ***** *******************************
000020C4 000020C4 000020C4      ********************************	1595 1596 1597 ***** *******************************
000020C4 000020C4	1595 1596 1597 ***** *******************************
000020C4 000020C4 000020C4      ********************************	1595 1596 1597 ***** *******************************
000020C4 000020C4	1595 1596 1597 ***** *******************************
000020C4 000020C4 """"""""""""""""""""""""""""""""""""	1595 1596 1597 ***** *******************************
000020C4 000020C4	1595 1596 1597 ***** *******************************
000020C4 000020C4  " ***********************************	1595 1596 1597 ***** *******************************
000020C4 000020C4 """"""""""""""""""""""""""""""""""""	1595 1596 1597 ***** *******************************
000020C4 000020C4  "***********************************	1595 1596 1597 ***** *******************************
000020C4 000020C4 """"""""""""""""""""""""""""""""""""	1595 1596 1597 ***** *******************************
000020C4 000020C4  "***********************************	1595 1596 1597 ***** *******************************
000020C4 000020C4 " ************************************	1595 1596 1597 ***** *******************************
000020C4 000020C4  "***********************************	1595 1596 1597 ***** *******************************
000020C4 000020C4  "***********************************	1595 1596 1597 ***** *******************************
000020C4 000020C4 " ************************************	1595 1596 1597 ***** *******************************
000020C4 000020C4 " ************************************	1595 1596 1597 ***** *******************************

000020 <mark>8</mark> A 000020 <b>8</b> C	ROL MULS	.W #\$0002,	D0, D3 D3
00002090	LEA		#\$4EB8, A2
000020 <mark>96</mark>	MOVE.L	\$3606C67	7C, D0
000020 <mark>9</mark> C	ORI.B	#\$E85B,	\$C7FC
000020 <mark>A2</mark>	ORI.B	#\$45F4,	D2
000020 <b>A</b> 6	MOVE W	Da Da	
000020A6	MOVE.W	טט, טט	
000020 <mark>A8</mark>	JSR		\$203A
22022010			<b>4203</b> N
000020 <mark>A</mark> C	MOVE.W		
000020 <mark>AE</mark>	MULS	#\$000F,	D3
000020 <mark>B2</mark>	MULS	<b>#\$</b> 000 <b>2</b> ,	D3

10	ontini	/bai
(0	OHUH	u <del>c</del> u,

<pre>» gisters used 000020C8 1E3C 0010</pre>	1608	МО
		16 into
» D7 for rotation	, move	10 1110
000020CC EFBE	1609	RO
		-
	; rota	te D6 by
» 16 bits		
000020CE 4EB8 2066	1610	JS
» R PrintASCIIWord		
000020D2	1611	RO
» L.L D7, D6		
000020D4 4EB8 2066	1612	JS
» R PrintASCIIWord		
000020D8 4CDF 00C0		MO
· · · · · · · · · · · · · · · · · · ·	; MOVE	M all re
» gisters used		
000020DC 4E75	1614	RT
» S		
000020DE	1615	
000020DE		*****
» ********************		
» *********************	*	
000020DE	1617	* Meth
» od Name: TrapTask13	1017	110011
000020DE	1618	* Desc
<pre>» ription: Creates a file if non</pre>		
<pre>» appends bytes to that file</pre>	C CXI3	cs, and
000020DE	1610	* wh
<pre>» ile also echoing the written b</pre>		
» reen. You shouldn't need to	ytes to	o the st
	1620	wl_
000020DE	1620	* ch
» ange this code.	4.00	Ψ
000020DE	1621	
000020DE 000020DE		* * Call
000020DE 000020DE » ing Convention: Callee-Saved	1622	* Call
000020DE 000020DE wing Convention: Callee-Saved 000020DE	1622 1623	* Call
000020DE 000020DE » ing Convention: Callee-Saved 000020DE 000020DE	1622 1623	* Call
000020DE 000020DE wing Convention: Callee-Saved 000020DE 000020DE wonditions & Method Input:	1622 1623 1624	* Call * * Prec
000020DE 000020DE wing Convention: Callee-Saved 000020DE 000020DE onditions & Method Input: 000020DE	1622 1623 1624 1625	* Call  * * Prec  * A1
000020DE 000020DE wing Convention: Callee-Saved 000020DE 000020DE conditions & Method Input: 000020DE points to the null-terminated	1622 1623 1624 1625 buffel	* Call  * * Prec  * A1
000020DE 000020DE wing Convention: Callee-Saved 000020DE 000020DE onditions & Method Input: 000020DE	1622 1623 1624 1625 buffel	* Call  * * Prec  * A1
000020DE 000020DE wing Convention: Callee-Saved 000020DE 000020DE conditions & Method Input: 000020DE points to the null-terminated	1622 1623 1624 1625 buffel	* Call  * * Prec  * A1 r to wri
000020DE 000020DE " ing Convention: Callee-Saved 000020DE 000020DE " onditions & Method Input: 000020DE " points to the null-terminated " te (newline will be added for	1622 1623 1624 1625 buffer you) 1626	* Call  * * Prec  * A1 r to wri
000020DE 000020DE " ing Convention: Callee-Saved 000020DE 000020DE " onditions & Method Input: 000020DE " points to the null-terminated " te (newline will be added for 000020DE	1622 1623 1624 1625 buffer you) 1626	* Call  * * Prec  * A1 r to wri  *
000020DE 000020DE " ing Convention: Callee-Saved 000020DE 000020DE " onditions & Method Input: 000020DE " points to the null-terminated " te (newline will be added for 000020DE 000020DE	1622 1623 1624 1625 buffer you) 1626 1627	* Call  * * Prec  * A1 r to wri  *
000020DE 000020DE " ing Convention: Callee-Saved 000020DE 000020DE " onditions & Method Input: 000020DE " points to the null-terminated " te (newline will be added for 000020DE 000020DE " conditions & Output:	1622 1623 1624 1625 buffer you) 1626 1627	* Call  * * Prec  * A1 * to wri  * * Post  * AL
000020DE 000020DE     ing Convention: Callee-Saved 000020DE 000020DE     onditions & Method Input: 000020DE     points to the null-terminated     te (newline will be added for 000020DE 000020DE 000020DE     conditions & Output: 000020DE     results that were previously or	1622 1623 1624 1625 buffer you) 1626 1627	* Call  * * Prec  * A1 * to wri  * * Post  * AL
000020DE 000020DE " ing Convention: Callee-Saved 000020DE 000020DE " onditions & Method Input: 000020DE " points to the null-terminated " te (newline will be added for 000020DE " conditions & Output: 000020DE	1622 1623 1624 1625 buffer you) 1626 1627	* Call  * * Prec  * A1 * to wri  * * Post  * AL ll be CL
000020DE 000020DE " ing Convention: Callee-Saved 000020DE 000020DE " onditions & Method Input: 000020DE " points to the null-terminated " te (newline will be added for 000020DE 000020DE " conditions & Output: 000020DE " L files that were previously o " OSED (FileIDs will be invalid)	1622 1623 1624 1625 buffer you) 1626 1627 1628 pen wi	* Call  * * Prec  * A1 r to wri  * * Post  * AL ll be CL  * Se

000020 <mark>B6</mark>	LEA		#\$4EB8, A2
000020BC	MOVE.L	\$4CDF10	0C, D0
000020C <mark>2</mark>	RTS		
000020C4	MOVEM	.L	A2/1//A0/7///D
» 4/3//D2/1//D0/	/, -(A7)		
000020C8			
000020 <mark>CC</mark>	ROL	.L	#7, D6
000020 <mark>C</mark> E	JSR		\$2066
000020D <mark>2</mark>	ROL	.L	#7, D6
00002004	JCP.		<b>\$</b> 2066
000020D4 000020D8	JSR MOVEM	. W	\$2066 (A7)+,

(00	IIIIIIueu	1)				
»	also	piped	to	the	console	
000	020D	≣				1630
000	9020DE	Ē				1631

000020DE 1632 \* A2 » holds a pointer to null terminated string to » write (input)

000020DE 1633 \* **A3** » points to the null-terminated file name

1634 \* 000020DE

» holds the number of bytes already in the fil

» e to write

000020DE 1635 000020DE 1636 \*

» holds number of bytes to write

1637 \*\*\*\*\* 000020DE 

000020DE 1638 toSave

» REG D0-D5/A2-A3

000020DE 1639 TrapTa

» sk13:

000020DE » \*

1640

» \*\*\*\*\*\*\*\*\*\*\*\*\*

000020DE 1641

» Method initialization, regsiter spilling, pa

» rameter saving, etc.

000020DE 1642 » \*

» \*\*\*\*\*\*\*\*\*\*\*\*\*\*

000020DE 48E7 FC30 1643

» VEM.L toSave, -(SP) ; Callee-Saved, so sa

» ve and restore

000020E2 1644

000020E2 2449 1645

» VEA.L A1, A2 ; save this buffer to write 000020E4 47F9 000021D8

» A outFilename, A3 ; save this for later, to

» O

000020EA 1647

000020EA 303C 0032 1648 MO » VE #50,d0

000020EE 4E4F 1649 TR » AP #15 ; close all files, suggested to begin

» any IO

000020F0 1650 

» \*\*\*\*\*\*\*\*\*\*\*\*\*

000020F0 1651 » End Method Init 1652 000020F0

000020DA ORI.B #\$4E75, D0 000020DE MOVEM .L D6/5//D4/D2/1/ » /D0/, -(A7)

000020E2 MOVEA.L A1, A2

000020E4 \$000021D8, A3 LEA 000020EA MOVE.W #\$0032, D0 000020EE JSR **A7** 

1	4:	۱۱ ـ
(CO	ntinı	jea)

» ************************************	ste ate ate ate ate ate ate ate ate ate a
» ************************************	****
· ·	
000020F0	1653
000020F0	1654 **
» **********************	
» ************************************	*****
000020F0	1655 *
» Calculate the number of bytes t	o write by se
» arching for the null in the tar	get buffer A0
000020F0	1656 **
» **********************	******
» ************************************	******
000020F0 4285	1657 CL
» R.L D5 *D5 is now the number of	bvtes to wri
» te	-,
000020F2	1658 nullLo
» op:	1000 Halie
000020F2 1019	1659 MO
» VE.B (A1)+, D0	1009 1110
000020F4 0C00 0000	1660 CM
	1000 CM
» PI.B #0,D0 * compare to null	1661 DE
000020F8 6700 0006	1661 BE
» Q findNullLoopDone	
000020FC 5245	1662 AD
» DI.W #1, D5	
000020FE	1663 BR
» A nullLoop	
00002100	1664
00002100	1665 findNu
<pre>» 11LoopDone:</pre>	
00002100 224B	1666 MO
» VEA.L A3, A1 * reset A1 so it p	oints to the
» file to write to (to open, next	)
0000210 <mark>2</mark>	1667
00002102	1668 ;c
» heck if file exists, and open w	ith task 51 i
» f so, otherwise 52	
00002102	1669 ;(
» precondition here is A1 points	
<pre>» erminated filename )</pre>	
00002102 103C 0033	1670 MO
<pre>» VE.B #51, D0 ;open file (t » sting, 52 is new)</pre>	,
00002106 4E4F	1671 TR
» AP #15	
00002108	<b>1</b> 67 <b>2</b>
00002108	1673 if
	if file error
-	II IIIE EIIOI
» (404, not found)	16746
00002108 B07C 0000	1674s CM
» P.W #0,D0	4.675
0000210C 6706	1675s BE

000020F0	NEG.L	D5	
0000000	MOVE 5	(11)	
000020F2	MOVE.B	(A1)+, D0	
000020F4	CMPI.B	# <b>\$0000</b> , D0	
000020F8	DATA	6700	
000020FA	ORI.B	# <b>\$</b> 5245, D6	
000020FE	BRA	<b>0</b> 0F2	
00002100	MOVEA.L	A3, A1	
	MOVE.B		
00002106	JSR	A7	
00002108	CMP.W	#\$0000, D0	
0000210C	DATA	67 <mark>06</mark>	
0000210E	MOVE.B	#000 <b>4</b> , D0	

<pre>" Q.S00000000 0000210E 103C 0034</pre>
<pre>" MOVE.B #52, D0 ; open new file " (52 is new) 00002112  4E4F</pre>
<pre>" (52 is new) 00002112 4E4F</pre>
00002112 4E4F 1677  "TRAP #15 00002114 1678 el  di
» TRAP #15 00002114 1678 e
00002114 1678 e
» di
» 000
00002114
» ************************************
» ************************************
» **********
00002114 1682 *
» Seek to END of FILE by counting the number
» f bytes, closing, reopening, then seeking.
00002114 1683 *
» (first, count number of bytes already in
<pre>» the file to obtain seek position)</pre>
00002114 1684 *
» ************************************
» ************************************
» *********
00002114 4283 1685 C
» r.L D3 ;TODO: reg save, D3 is now our cour
» t of bytes read
00002116 7401 1686 M
» VE.L #1, D2 ; read one byte at a time
00002118 43F9 000021E3 1687 L
» A byteRead, A1
0000211E 1688
0000211E 1689 count
» oop:
0000211E 103C 0035 1690 M
» VE.B #53, D0; try to read one byte (TODO: I
» OVE out of loop)
00002122 4E4F 1691 T
» AP #15
0000212 <mark>4 169</mark> 2
00002124
» PI.W #1,D0 ;1 == EOF
00002128 6700 0006 1694 B
» Q countDone
0000212C 5243 1695 A
» DI #1, D3
0000212E 60EE 1696 B
» A countLoop
00002130 1697
00002130 1698 countly one:

00002112	JSR		A7
00002114	NEG.L	D3	
00002116	DATA	7401	
00002118	LEA	<b>"000</b> 5	\$000021E3, A1
0000211E		#0005,	שט
00002122 00002124	JSR CMPI.W	# <b>\$</b> 0001,	A7 D0
00002128	DATA	6700	
0000212 <mark>A</mark>	ORI.B	<b>#\$</b> 5243,	D6
0000212E	BRA	<b>0</b> 0EE	

(continued)		
00002130	1699	*
<pre>» close this file</pre>		
00002130 303C 0038	1700	М
» OVE #56,d0		
00002134 4E4F	1701	т
	1701	
» RAP #15	4700	
0000213 <mark>6</mark>	1702	
00002136	1703	*
<pre>» reopen the target file</pre>		
00002136	1704	М
» OVE.L A3,A1		
00002138 303C 0033	1705	М
» OVE #51, D0	_, 00	
0000213C 4E4F	1706	Т
	1/06	'
» RAP #15		
000021 <mark>3E</mark>	1707	
0000213E	1708	*
» seek to right position, then co	ntinue wi	th w
» riting		
0000213E 2403	1709	МО
» VE.L D3, D2; MOVE the number of	T bytes To	buna
» in the file to D2		
00002140 303C 0037	1710	МО
<pre>» VE #55, D0 ; position file tas</pre>	k	
00002144	1711	TR
» AP #15		
00002146	1712	
00002146	1713	**
» ************************************		****
» ************************************		1. 1. 1. 1.
"		
00002146	1714	*
» Actually write the buffer to th		fter
» caculating the number of bytes		
00002146	1715	*
» to write and after seeking to	the right	loc
<pre>» ation in the file for append</pre>	-8.10	
00002146	1716	**
% ************************************		
"		<b>ጥጥ</b> ጥ
» ************************************	*	
00002146	1717	
00002146 2405	1718	МО
<pre>» VE.L D5, D2 ; restore this for</pre>	the actual	11y
» writing the buffer		
00002148	1719	
		) + h :
» assumes A0 hasnt changed since	nanded to	τnı
» s method		
00002148 224A	1720	MO
» VEA.L A2, A1 ; load the address	of the b	uffe
» r we want to write to disk		
0000214A	1721	;
» assumes file ID is still stored		,
" assumes litte in is still stolled	III DI.L	

MOVE.W	#\$0038,	D0
JSR		A7
MOVE <mark>A.</mark> L	A3, A1	
MOVE.W	#\$0033,	DØ
JSR		A <b>7</b>
MOVE.L	D3, D2	
MOVE.W	<b>#\$0037</b> ,	D0
JSR		A <b>7</b>
MOVE.L	D5, D2	
ΜΟΥΕΑ	A2 A1	
		D <mark>0</mark>
	JSR MOVEA.L MOVE.W JSR MOVE.L MOVE.W  MOVE.L	MOVEA.L A3, A1  MOVE.W #\$0033,  JSR  MOVE.L D3, D2  MOVE.W #\$0037,

(	continued	)

(continued)			
0000214A 103C 0036	1722	MO	
$\Rightarrow$ VE.B #54, D0 ; subtask 54 is wr	ite to	open f	
<pre>» ile (append, or?), assumes D2 h</pre>	nolds #	of byt	
» es			
0000214E 4E4F	1723	TR	
» AP #15			
00002150	1724		0
00002150	1725	;	
<pre>» add a newline to the file output</pre>			
00002150 43F9 000021BC	1726	LE	e
» A NEWLINE, A1	1,20		
00002156 103C 0036	1727	МО	e
» VE.B #54, D0	1/2/	110	
0000215A 143C 0002	1728	МО	e
			6
» VE.B #2,D2 ; kills # of bytes	to MLTI	te Trom	
» input param	4700	TD	
0000215E 4E4F	1729	TR	e
» AP #15			
00002160	1730		
00002160	1731	;	
<pre>» finally, close only this file</pre>			
00002160 <b>103C</b> 0038	1732	MO	0
<pre>» VE.B #56, D0 ; close file task</pre>			
00002164 4E4F	1733	TR	0
» AP #15			
00002166	1734		e
00002166	1735	;	
» report to screen			
00002166 224A	1736	MO	
<pre>» VEA.L A2, A1 ; load the address</pre>	of the	e buffe	
» r we want to write to disk & so	reen		
00002168 <b>103C</b> 000D	1737	МО	e
» VE.B #13, D0			
0000216C 4E4F	1738	TR	
» AP #15			
0000216E	1739		0
0000216E	1740	;	
» restore context	27.10	,	
0000216E 4CDF 0C3F	1741	МО	e
» VEM.L (SP)+, toSave	1/41	110	
00002172	1742		e
		рт	
00002172 4E75	1743	RT	
» \$	1744		
00002174	1744		0
00002174	1745	4	
00002174		*	
»			
»			
00002174	1747	* Meth	
» od Name: AsciiToHex			
00002174		* Writ	
» ten by : Berger, Modified by Na	ish		

000021 <mark>4E</mark>	JSR		Α7	
00002150	LEA		\$000021BC, A1	
00002156	MOVE.B	#0006		
0000215A	MOVE.B	#0002,	DZ	
0000215E	JSR		A7	
00002160	MOVE.B	#0008,	D0	
00002164	JSR		A <b>7</b>	
00002166	MOVEA.L	A2, A1		
00002168	MOVE.B	#000D	na	
00002100	TIOVE . D	110000		
0000216 <mark>C</mark>	JSR		Α7	
0000216E	MOVEM	. W	(A7)+,	
00002170	CMPI.B	#\$4F75.	\$48E78000	
			, , , , , , , , , , , , , , , , , , , ,	
00002178	NEG.L	D7		

```
00002174
                                 1749 * Date
>>
        : 3/1/2019
00002174
                                 1750 * Desc
» ription: Converts chars '0'-'9' and 'a'-'f'
» to 0-9,a-F
00002174
                                 1751 *
          Transforms/unpacks 8 chars (8b each
» ) pointed to by A1 into
00002174
                                 1752 *
          its (4b each) equivalent hex value
00002174
                                 1753 *
00002174
                                 1754 *
                                          Pre
» conditions & Input
00002174
» A1 (input) points to a memory buffer holdi
» ng 8 ascii chars (not null-terminated)
  This function calls another function (stri
» p_ascii)
00002174
                                 1757 *
00002174
                                 1758 * Pos
» tconditions & Output
00002174
                                 1759 *
   D7 (output) holds the converted value
00002174
    Caller-Saved : D0 is temp, D6 is a loop va
» r
00002174
                                 1761 *----
» -----
00002174
                                 1762 AsciiT
» oHexRegList REG D0,D6
00002174
                                 1763 AsciiT
» oHex
00002174 48E7 8000
                                 1764
» VEM.L asciiToHexRegList, -(SP) *save contex
» t
00002178 4287
                                 1765
                                           CL
» R.L D7 * cLEAr our return value
0000217A 7C08
                                           MO
» VE.L #8, D6 ; and set up our loop counter
0000217C
                                 1767
0000217C
                                 1768 chrLoo
» p
0000217C 1019
                                           MO
» VE.B (A1)+,D0 * Get the first byte
0000217E 4EB9 00002196
                                           js
» r strip_ascii * Get rid of the ascii code
>>
00002184 8E40
                                 1771
                                           OR
» .W D0,D7 * Load the bits into D7
00002186
                                 1772
```

0000217 <mark>A</mark>	DATA	7C08
0000217C	MOVE.B	(A1)+, D0
0000217F	1SR	\$00002196

(continued)		
00002186 5306	1773	su
<pre>» bI.B #1,D6 *decrement our loop</pre>	varia	ble
00002188 6700 0006	1774	BE
<pre>» Q chrDone *skip shifting if w</pre>	e are	done
0000218C	1775	
0000218C E987	1776	AS
<pre>» L.L #4,D7 * shift left 4 bits t</pre>	o prep	are for
» next byte		
0000218E 60EC	1777	BR
» A chrLoop	1,,,,	DIX .
00002190	1778	
00002190		chrDon
	1//3	CHIPOH
» e	1700	МО
00002190 4CDF 0001	1780	MO
<pre>» VEM.L (SP)+,asciiToHexRegList</pre>	4704	
00002194 4E75	1781	RT
» S		
00002196	1782	
00002196	1783	
00002196		*****
» *********************	****	*****
» ***********		
00002196	1785	* SUBR
<pre>» OUTINE: strip_ascii</pre>		
00002196	1786	* reMO
» VE the ascii code from the digi	ts 0-9	a-f, o
» r A-F		, , ,
00002196	1787	* Inpu
<pre>» t Parameters: <d0> = ascii code</d0></pre>		111pu
00002196	1788	*
00002196		* Retu
<pre>» rn parameters: D0.B = number 0.</pre>		
	۰۰۲, ۱	ecurneu
» as 000F	1700	* Da
00002196	1/90	* Regi
» sters used internally: D0	4704	Ψ
00002196		* Assu
<pre>» mptions: D0 contains \$30-\$39, \$</pre>	41-\$46	or \$61
» -66		
0000219 <mark>6</mark>	1792	
00002196		*****
» **********************	*****	*****
» ***********		
00002196	1794	strip_
» ascii		
00002196 B03C 0039	1795	
» CMP.B #\$39,D0 * Is it in range		?
0000219A 6F00 001A	1796	
» BLE sub30 * Its a number	1,50	
0000219E B03C 0046	1797	
» CMP.B #\$46,D0 * Is is AF?	1/5/	
	1700	
000021A2 6F00 000A	1798	
<pre>» BLE sub37 * Its AF</pre>		

00002184	OR.W	D0, D7	
000021 <mark>8</mark> 6 000021 <mark>88</mark>	SUBQ.B DATA		
000021 <mark>8A</mark> 000021 <mark>8E</mark>	ORI.B BRA	#\$E987, 00EC	D6
00002190	MOVEM	. W	(A7)+,
00002192	ORI.B	#\$4E75,	D1
00002196	CMP.B	# <b>0009</b> , I	DØ

(continued)				
000021A6			1799	
<pre>» SUB.B #\$</pre>	57,D0	* Its af		
000021AA	6000 6	000E	1800	
<pre>» BRA ret_</pre>	sa * (	Go back		
000021AE			1801	sub37
» SUB.B #\$	37.D0	* Strip 37		
000021B2	-	•	1802	
» BRA ret				
000021B6	•		1803	sub30
		* Strip 30	1003	34030
и 30В.В жр 000021ВА		301 1p 30	1904	ret_sa
» RTS * G		,	1004	Tec_sa
	IO Dack		1005	
000021BC			1805	
000021BC			1806	
000021BC			1807	* Regu
	riables	and constants go		
» r Disass				ioi you
000021BC			1808	CD
»	-00000	EQU \$0D	1000	CIX
" 000021BC	-00000		1000	1.5
			1809	LF
»		EQU \$0A		
000021BC=	0D 0A		1810	NEWLIN
» E		DC.B CR,LF,0		
000021BF=	4D 4F	56 45 2E 4C 20		MSG1
<b>»</b>		DC.B 'MOVE.L D4,D5	5',0	
	44 34	2C 44 35 00		
000021CC=	41 44	44 2E 42 20 44	1813	MSG2
»		DC.B 'ADD.B D0,D1'	,0	
	30 2C	44 31 00		
000021D8=		74 70 75 74 2E	1815	outFil
		DC.B 'Output.txt',		000.11
	74 78	•		
000021E3	74 78	74 00	1017	hyt oDo
		DC D 1	1017	byteRe
» ad	24 44	DS.B 1	1010	
		30 30 31 41 30		
» val		DC.B \$31,\$41,\$30,\$	30,\$3	1,\$41,\$
» 30,\$30 *	Test	value \$1A001A00		
	30			
000021EC			1820	IN
» CLUDE 'G	bl_con	IST.X68'		
000021EC			1821	
000021 <mark>EC</mark>			1822	
000021EC			1823	
000021EC			1824	
000021EC	=00000	3002		ARRAY
» ELEMENT_			1025	7
000021EC	MIDIN	LQU Z	1826	
000021 <mark>EC</mark>			1827	

000021 <mark>9A</mark>	DATA	6500		
		#\$B03C,	(42)+	
0000213C				
		#\$0400,		
000021A8	ORI.W	#\$6000.	(A7)	
000021 <mark>AC</mark>	ORI.B	#\$6000, #\$0400,	A6	
000021B <mark>0</mark>	ORI.B	#\$6000,	\$00060400	
000021B <mark>8</mark>	ORI.B	#\$4E75,	\$0D0A	
000021B <mark>E</mark>	ORI.W	<b>#\$</b> 4F56,	A5	
000021 <mark>C2</mark>	LEA		\$4C204434, A	2
000021C <mark>8</mark>	MOVEA.L	D4, A6		
000021 <mark>CA</mark>	MOVE.W	D0, -(A2	2)	
000021 <mark>CC</mark>	LEA		D4, A0	
			Beyond Compare v4	2 10

(continued)		
000021EC =00000001	1828	IsTrue
» EQU 1		
000021EC =00000000	1829	IsFals
» e EQU 0		
000021 <mark>EC</mark>	<b>18</b> 30	
000021EC= 01	1831	0pcode
<pre>» Size_Current DC.B 1</pre>		
000021ED	1832	
000021ED =00000000	1833	OPCODE
» SIZE_BYTE EQU 0		
000021ED =00000001	1834	OPCODE
» SIZE_WORD EQU 1		
000021ED =00000002	1835	OPCODE
» SIZE_LONG EQU 2		
000021ED =00000003	1836	OPCODE
» SIZE_ELSE EQU 3		
000021 <mark>E</mark> D	1837	
00000450	4000	
000021ED	1838	EA T.M
000021ED	1839	EA_IsM
» Xn DS.B 1	1040	EA Tay
000021EE » nM DS.B 1	1840	EA_IsX
000021EF	1841	
000021EF =00000009		EA REG
» ISTER ASRL DISTANCE EQU 9	1042	EA_KEG
000021EF =00000003	18/13	EA MOD
» E_ASRL_DISTANCE EQU 3	1045	LA_MOD
000021EF	1844	
000021EF	1845	
000021EF= 43 6F 6E 66 69 67 2E		inFile
» DC.B 'Config.cfg',0		
63 66 67 00		
000021FA	1848	BEGIN
» ADDRESS_STR DS.B 8		_
00002202	1849	END_AD
» DRESS_STR DS.B 8		_
00002 <mark>20A</mark>	18 <mark>5</mark> 0	

000021CE	NEG.B	\$42204430
00002101	WEG. D	Ψ12207730
000021 <mark>D4</mark>	MOVEA.L	D4, A6
000021 <mark>D6</mark>	MOVE.W	D0, -(A0)
000021D8	LEA	\$74707574, A7
000021DE	MOVEA.L	#\$000A, A7
000021E <mark>4</mark>		D1, \$3030
000021E <mark>8</mark>	MOVE.W	D1, \$3030
000021EC	BCLR	D1, D1
000021EE	ORI.W	
000021F <mark>2</mark>	DATA	6669
000021F4	DATA	672E
000021F6	DATA	6366
00002110	DATA	0500
000021F8	DATA	6700
000021FA	MOVE.W	
000021FE	MOVE.W	_
00002202	MOVE.W	\$3030, D0
00002206	MOVE.W	1
0000220C		\$3032, D0
00002210		\$30094D4F, D1
00002216	ADDQ.W	#3, D5 (A7), A7
00002218 0000221A		(A/), A/ .W A1,
0000221A	BCLR	-
0000221E		D0, -(A0)
00002220		D1, A4
00002222		#\$0020, \$44310030
0000222A	MOVE.W	D0, D0

continued)	
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			0000222C	ORI.B	#\$2F2C, \$202D
			00002232	MOVEA.L	
			00002234		\$00302F2C, -(A3)
			0000223A		\$28413729, D0
			00002240		#\$FFFF, \$FFFFFFF
			00002248	SIMHALT	
			0000224A	SIMHALT	
			0000224C	SIMHALT	
			0000224E	SIMHALT	
0000220 <mark>A</mark>	1851		00002250	SIMHALT	
000022 <mark>0A</mark>	1852		00002252	SIMHALT	
0000220A =00070000		STACK_	00002232	JIIIIALI	
» LOCATION EQU \$0070000	1033	Sinck_			
0000220A	<b>18</b> 54		00002254	SIMHALT	
0000220A	103-		00002256	SIMHALT	
000022 <mark>0A</mark>	1855		00002258	SIMHALT	
00002204	1000		0000225A	SIMHALT	
			0000225A		#1, \$63636573
			00002250	DATA	7300
			00002264	ORI.B	
00003304	1056				
000022 <mark>0A</mark>	1856 1857	EMDTY	000022 <mark>68</mark> 000022 <mark>6</mark> A	NEG.B LEA	-(A0)
0000220A =00000000 » ADDRESS EQU \$0000000	100/	EMPTY_	000022 <del>0</del> A	LEA	\$636F756E, A2
_	1858		00002270	DATA	7465
0000220A		DVTE I	00002270	DATA	7465
0000220A =00000001	1859	BYTE_L	000022 <mark>72</mark>	DATA	7265
» ENGTH EQU 1	1060	MODD I	00002274	DATA	6400
0000220A =00000002	1860	WORD_L	00002274	DATA	6400
» ENGTH EQU 2	1061	LONG	000000776	ODT D	#¢4572 DQ
0000220A =00000004 » ENGTH EQU 4	1861	LONG_L	000022 <mark>76</mark>	ORI.B	#\$4572, D0
» ENGTH EQU 4			00002274	DATA	726F
			0000227A 0000227C	DATA DATA	7200
			0000227C	ORI.B	
0000220 <mark>A</mark>	1862		00002272	BGE	#\$4669, D0 0065
0000220A =00000009	1863	TAD	00002282		\$73205265, A0
	1003	IAD	00002204	MOVEA.L	\$73203203, A0
» EQU \$09 0000220A	1 <mark>8</mark> 64		0000000	DATA	6164
0000220A =00000400		ETLE D	000022 <mark>8A</mark>		\$6E6C7900, A0
» EFAULT READ BYTES EQU 1024	1003	FILE_D	000022 <mark>8C</mark>	MOVEA.L	\$6E6C7900, A0
" LI AULI_NEAU_BITES EQU 1024			00002202	ORI.B	#\$5375, D0
00002200	1866		00002292	DATA	6363
0000220A 0000220A		CURREN	00002230	DATA	0505
» T_STR_LENGTH DS.B 1	1007	CORREN			
0000220B =00000028	1868	OUTDUT			
	1900	OUTPUT			
_	1869	OUTPUT			
0000220B  » DS.B OUTPUT LE		OUTPUT			
» DS.B OUTPUT_LE		OUTPUT			
		OUTPUT			
_	1871		00002298	BCS	0073
0000225B 0000225C= 5375 6363 6573 7300		EDDOD	00002230	DCS	00/3
		ERROR_			
» CODE_FILE_0 DC.W 'Success',	U				Beyond Compare v4.2.10

(continued)		
0000		
00002266= 454F 4620 456E 636F	1874	ERROR_
» CODE_FILE_1 DC.W 'EOF Encou	ntered	',0
756E 7465 7265 6400		
0000		
00002278= 4572 726F 7200 0000	1877	FRROR
» CODE_FILE_2 DC.W 'Error',0		
00002280= 4669 6C65 2069 7320	1878	FRROR
» CODE_FILE_3 DC.W 'File is Ro		
5265 6164 206F 6E6C	eau on	ıy ,e
7900 0000	4004	
00002294	1881	
00002294= 5375 6363 6573 7300		
<pre>» RROR_ARRAY DC.W 'Success',</pre>		ncounte
» red','Error','File is Read only	',0	
454F 4620 456E 636F		
756E 7465 7265 6400		
4572 726F 7200 4669		
6C65 2069 7320 5265		
6164 206F 6E6C 7900		
0000		
000022C6	1889	
000022 <mark>C6= 2C 20 00</mark>	1890	STRING
» COMMA DC.B ', ',0		
000022C9= 23 00	1891	STRING
» POUND DC.B '#',0		
000022CB= 23 24 00	1892	STRING
» POUNDHEX DC.B '#\$',0		
000022CE= 2F 00	1893	STRING
» SLASH DC.B '/',0	1000	JIKING
W SEASIT DC.B / 10		
000022D <mark>0</mark>	1894	
000022D0= 2E 42 09 00 » _B DC.B '.B',TAB,0		STRING
000022D4= 2E 57 09 00 » _W DC.B '.W',TAB,0	1896	STRING
000022D8= 2E 4C 09 00	1897	STRING
» _L DC.B '.L',TAB,0		

0000 <mark>229A</mark>	DATA	7300
0000229 <mark>C</mark>	LEA	A7, A2
0000229 <mark>E</mark>	NEG.B	-(A0)
000022A0	LEA	\$636F7 <mark>56E, A2</mark>
		•
000022A6	DATA	7465
000022A8	DATA	7265
000022AA	DATA	6400
000022AC	LEA	\$726F7200, A2
000022B2	NEG.W	<b>\$</b> 6C652069
0000 <mark>22B8</mark>	DATA	7320
000022BA	ADDQ.W	#1, -(A5)
000022 <mark>B</mark> C	DATA	6164
000022 <mark>BE</mark>	MOVEA.L	\$6E6C7900, A0
000022C4	ODT D	#\$ <mark>2C20, D</mark> 0
000022C4	OKI.D	#\$2C20, D0
000022C <mark>8</mark>	ORT R	#\$0023, -(A3)
00002200	OKI.D	"#0023, (A3)
000022CC	MOVE.L	D0, D2
000022CE	MOVE.L	D0, -(A7)
000022D0	MOVEA.L	
000022D2	BCLR	
000022D4		(A7), A7
000022D6	BCLR	
000022D8	MOVEA.L	
000022DA	BCLR	-
000022DC	BCLR	-
000022DE	NEG.W	
000022E0		#\$4144, A1
000022 <mark>E4</mark>	NEG.W	
000022E <mark>6</mark>		#\$4144, A1
000022EA		
000022LA	NEG.W	(A1)
000022EC		(A1) #\$4153, A1

(continued)

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					000022F0	MOVEM		
					000022F2		<b>#\$4153</b> ,	
					000022F6	ADDQ.B		
					000022F8	ORI.B	#\$4243,	A1
					000022FC	MOVEM	. W	(A2),
					000022FE	BCLR	D4, D0	
					00002300	BCLR	D4, D2	
					00002302	LEA		(A3), A1
					00002304	BCLR	D4, D0	
					00002306	BCLR	D4, D2	
					00002308	LEA		D5, A3
					0000230A	BCLR	D4, D0	
					0000230C	BCLR	D4, D2	
					0000230E	MOVEM	.W	(A4),
					00002310	BCLR	D4, D0	<b>\</b>
					00002312	BCLR	D4, D2	
					00002314	ADDQ.W	-	
					00002314	BCLR	D4, D0	
00002 <mark>2DC</mark>			1898		00002318	BCLR		
00002220				STR AD		ADDQ.W		
		TAB, 'ADD',0	1099	STR_AD	0000231A	ADDQ.W	πο, σο	
00002 <mark>2E1=</mark>			1000	STR_AD	00002 <mark>31C</mark>	BCLR	D4, D0	
		TAB, 'ADDA', 0	1900	STK_AD	0000231C	DCLK	D4, D0	
			1001	CTD AD	00002215	DCI D	D4 D2	
000022E7=			1901	STR_AD	00002 <mark>31E</mark>	BCLR	D4, D3	
_		TAB, 'ADDQ',0	1002	CTD AC	00000000			(40) 46
		4C 09 00		STR_AS	00002 <mark>3</mark> 20	LEA		(A0), A6
		TAB, 'ASL', TAB,		CTD 46	00000000	007.0	## 40.4D	
		52 09 00		STR_AS	00002 <mark>3</mark> 22	OKI.B	#\$434D,	A1
		TAB, 'ASR', TAB,						
		4C 52 09 00		STR_BC	00002326	ADDQ.W	#8, A1	
		TAB, 'BCLR', TAE						
		53 09 00		STR_BC	00002328	ORI.B	#\$4441,	A1
		TAB, 'BCS', TAB,						
		45 09 00		_	0000232 <mark>C</mark>	ADDQ.W	#2, D1	
		TAB, 'BGE', TAB,						
		54 09 00		STR_BL	0000232 <mark>E</mark>	BCLR	D4, D0	
		TAB, 'BLT', TAB,						
		41 09 00		STR_BR	00002330	BCLR	D4, D4	
» A	DC.B	TAB, 'BRA', TAB,	0					
00002318=	09 42 56	43 09 00	1909	STR_BV	000023 <mark>3</mark> 2	LEA		(A6), A4
		TAB, 'BVC', TAB,						
000023 <mark>1E=</mark>	09 43 4D	50 00	1910	STR_CM	00002334	SUBQ.B	#1, A1	
» P	DC.B	TAB,'CMP',0						
000023 <mark>23</mark> =	09 43 4D	50 49 00	1911	STR_CM	000023 <mark>36</mark>	ORI.B	#\$454F,	A1
» PI	DC.B	TAB,'CMPI',0						
00002329=	09 44 41	54 41 09 00	1912	STR_DA	000023 <mark>3A</mark>	ADDQ.B	#1, D0	
		TAB, 'DATA', TAE		_				
				STR_DI	0000233 <mark>C</mark>	BCLR	D4, D5	
		TAB, 'DIVS', TAE		_				
00002337=				STR_EO	0000233 <mark>E</mark>	LEA		(A2), A7
		TAB, 'EOR',0		_				
		52 49 00	1915	STR EO	00002340	LEA		D0, A4
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, PT	DC B	TAB, 'EORI',0	
			CTD T.
		4C 45 47 41 1916	SIK_IL
» LEGAL	DC.B	TAB, 'ILLEGAL', TAB, 0	
	4C 09 00		
0000234C=	09 4A 53	52 09 09 00 1918	STR_JS
» R	DC.B	TAB, 'JSR', TAB, TAB, 0	
00002353=	09 4C 45	41 09 09 00 1919	STR_LE
» A	DC.B	TAB, 'LEA', TAB, TAB, 0	
0000235A=	09 4C 53	4C 09 00 1920	STR_LS
» L	DC.B	TAB,'LSL',TAB,0	
00002360=	09 4C 53	52 09 00 1921	STR_LS
» R	DC.B	TAB, 'LSR', TAB, 0	
00002366=	09 4D 4F	56 45 41 2E 1922	STR_MO
» VEA B	DC.B	TAB, 'MOVEA.B', TAB, 0	
_	42 09 00		
00002370=	09 4D 4F	56 45 41 2E 1924	STR_MO
» VEA L	DC.B	TAB, 'MOVEA.L', TAB, 0	
_	4C 09 00		
		56 45 41 2E 1926	STR MO
		TAB, 'MOVEA.W', TAB, 0	_
_			

	57 09 00			
000023 <mark>84=</mark>	09 4D 4F	56 45 4D 09	1928	STR_MO
» VEM	DC.B	TAB, 'MOVEM', TA	AB,0	
	00			
000023 <mark>8C=</mark>	09 4D 4F	56 45 4D 2E	1930	STR_MO
» VEM_L	DC.B	TAB, 'MOVEM.L'	TAB,0	
	4C 09 00			
00002396=	09 4D 4F	56 45 4D 2E	1932	STR_MO
» VEM_W	DC.B	TAB, 'MOVEM.W'	TAB,0	
	57 09 00			
000023A <mark>0=</mark>	09 4D 4F	56 45 2E 42	1934	STR_MO
» VE_B	DC.B	TAB, 'MOVE.B',	ГАВ,0	
	0 <mark>9</mark> 00			
000023 <mark>A9=</mark>	09 4D 4F	56 45 2E 4C	1936	STR_MO
» VF I	DC B	TAR 'MOVE I'	ΓΔR Ω	

00002342	BCLR		
00002344	MOVEM	. W	A4,
0000234 <mark>6</mark>	LEA		D7, A2
00002348	LEA		A4, A0
00002348 0000234A	BCLR	D4 D0	Ат, ЛО
0000234A	DCLIN	D4, D0	
0000234C	DCI D	D4 A2	
0000234E	20RÓ.M	#1, (A2)	)
00000055	2012	B4	
00002350			
		#\$4C45,	
00002356	LEA		A1, A0
	BCLR		
0000235A	BCLR	D4, A4	
0000235C	SUBQ.W	#1, A4	
0000235E	BCLR	D4, D0	
00002360			
00002362	SUBQ.W	#1, (A2)	)
00002364	BCLR	D4, D0	
00002366	BCLR	D4, A5	
	LEA		(A6), A7
0000236A			D1, A2
0000236C		D2. A7	
0000236E			
00002370	BCLR	D4, A5	
00002372	LEA	51, 713	(A6), A7
00002372	LLA		(40); 47
00002374	LEA		D1, A2
	MOVEA.L	A4 A7	DI, AZ
000023 <mark>7</mark> 6	MOVEA. L	A4, A/	
00000000	DCI D	D4 D0	
00002378	BCLR	D4, D0	
0000000	DC! D	D4 :-	
0000237A		D4, A5	
000023 <mark>7C</mark>	LEA		(A6), A7
0 <mark>0</mark> 00237E	LEA		D1, A2
00002380	MOVEA.L	(A7), A7	7
00002382	BCLR		
00002384	BCLR	D4, A5	
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00002386 LEA

(A6), A7

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							00002300				(AO), A7	
							00002388	LEA			A5, A2	
							0000238A	BCLR				
							0000238C	BCLR	D4,	A5		
							0000238E	LEA			(A6), A7	
	09 0 <mark>0</mark>						00002390	LEA			A5, A2	
000023 <mark>B2=</mark>	09 4D 4F	56 45	2E 57	1938	STR MO		00002392	MOVEA.L	Α4,	Α7		
» VE_W					_							
	09 00		,.	,			00002394	BCLR	D4,	Da		
000023BB=		AC 53 (	99 99	19/10	STR MII		00002334	DCLIK	, דע	<b>D</b> 0		
» LS					31K_110							
000023C2=				•	CTD NE							
					31K_NE							
» G					CTD NO							
000023C7=												
» P												
000023CE=				1943	STR_OR							
»												
000023D2=	09 4F 52	49 00		1944	STR_OR							
» I												
000023D7=	09 52 4F	4C 09 (	<b>9</b> 0	1945	STR RO							
» L					_							
000023DD=					STR RO							
» R												
000023E3=					STR RT							
» S												
000023EA=												
					211/21							
» MHALT			SIMHALI,	TAB, 0			00000000	DCL D	D.4	۸.		
0000007	54 09 00			4050	CTD C11		00002396	BCLR				
000023F4=				1950	STR_SU		0000239 <mark>8</mark>	LEA			(A6), A7	
» B												
000023F9=				1951	STR_SU							
» BQ	DC.B	TAB,'S										
000023FF				<b>1</b> 9 <b>5</b> 2			0000239 <mark>A</mark>					
000023FF				1953	MASK_0		000023 <mark>9C</mark>	MOVEA.L	(A7)	), A	7	
» PCODE	EQU	\$F000										
000023FF	=00000F00	9		1954	MASK_1		000023 <mark>9E</mark>	BCLR	D4,	D0		
» 11098	EQU	\$0F00										
000023FF	=00000DC	9		1955	MASK_1		000023 <mark>A0</mark>	BCLR	D4,	<b>A</b> 5		
» 110876	EQU	\$0DC0			_							
000023FF	=00000C00			1956	MASK_1		000023 <mark>A2</mark>	LEA			(A6), A7	
» 110	EQU	\$0C00									, ,,	
000023FF	=00000E00			1957	MASK_1							
» 1109	EQU	\$0E00		200,								
000023FF	=00000D00			1958	MACK 1							
ł				1900	MASK_1							
» 1108	EQU	\$0D00		1050	MACK 1							
000023FF	=00000800			1959	MASK_1							
» 1	EQU	\$0800										
000023FF	=00000400			1960	MASK_1							
» 0	EQU	\$0400										
000023FF	=00000700	9		1961	MASK_1							
» 098	EQU	\$0700										
000023FF	=00000200	9		1962	MASK_9		000023 <mark>A4</mark>	LEA			\$42090009,	A2
,					_	. '					Beyond Compare	v4 2 10

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»	EQU	\$0200				
000023FF	=000001C0		19	63 MA	ASK_8	6
» 76	EQU	\$01C0				
000023FF	=00000118		19	64 MA	ASK_8	6
» 43	EQU	\$0118				
000023FF	=00000100		19	65 MA	SK_8	6
»	EQU	\$0100				
000023FF	=000000FF		19	66 MA	SK_7	6
» 6543210	EQU	\$00FF				
000023FF	=000000F0		19	67 MA	SK_7	6
» 654	EQU	\$00F0				
000023FF	=000000C0		19	68 MA	SK_7	6
» 6	EQU	\$00C0				
000023FF	=00000020		19	69 MA	SK_6	6
»	EQU	\$0020				
000023FF	=00000040		19	70 MA	SK_5	6
»	EQU	\$0040				
000023FF	=00000018		19	71 MA	SK_4	6
» 3	EQU	\$0018				
000023FF	=0000000F		19	72 MA	ASK_3	6
» 210	EQU	\$000F			_	
000023FF	=00000007		19	73 MA	SK_2	6
» 10	EQU	\$0007			_	
000023FF	=00000038		19	74 MA	SK_5	6
» 43	EQU	\$0038			_	
						9
000023FF			19	75		6
000023FF	=00000000		19	76 MO	DE_D	6
» n	EQU	\$0000				
000023FF	=00000008		19	77 MO	DE_A	6
» n	EQU	\$0008				
000023FF	=00000010		19	78 MO	DE_A	6
» nInd		\$0010				
000023FF	=00000018		19	79 MO	DE_A	6
» nPostInd	EQU	\$0018				
000023FF	=00000020		19	80 MO	DE_A	6
» nPreDec	EQU	\$0020				
000023FF	=00000038		19	81 MO	DE_E	6
» lse	EQU	\$0038				
000023FF			19	82 MO	DE_I	6
» mm	EQU	\$0004				
000023FF			19	83 MO	DE_A	
» bsLong	EQU	\$0001				
000023FF	=00000000		19	84 MO	DE_A	
» bsWord	EQU	\$0000				
000023FF			19	85		6

000023 <mark>AA</mark>	LEA		A7, A6
000023 <mark>AC</mark>	ADDQ.W	#3, D5	
000023 <mark>AE</mark>	MOVEA.L	A4, A7	
000023 <mark>B0</mark>	BCLR	D4, D0	
000023 <mark>B2</mark>	BCLR	D4, A5	
000023 <mark>B4</mark>	LEA		(A6), A7
000023 <mark>B6</mark>	LEA		\$57090009, A2
000023 <mark>BC</mark>	LEA		(A5), A6
000023 <mark>BE</mark>	MOVEM	. W	(A3),
000023 <mark>C0</mark>	BCLR	D4, D0	
000023 <mark>C2</mark>	BCLR	D4, A6	
000023 <mark>C4</mark>	LEA		D7, A2
000023C6	ORI.B	#\$4E4F.	A1
000023CA			
000023CC			
	BCLR		
000023D0	ADDO.B	#1, D0	
000023D2	BCLR	D4, A7	
000023D4	ADDQ.W	#1, A1	
000023 <mark>D6</mark>	ORI.B	#\$524F,	A1
000023 <mark>DA</mark>	MOVEM	. W	A1,
000023 <mark>DC</mark>	ORI.B	#\$524F,	A1
000023 <mark>E0</mark>	ADDQ.B	#1, A1	
000023 <mark>E2</mark>	ORI.B	#\$5254,	A1
000023 <mark>E6</mark>	SUBQ.B	#1, A1	
000023 <mark>E</mark> 8	BCLR	D4, D0	
000023 <mark>EA</mark>	BCLR	D4, (A3)	)
000023 <mark>EC</mark>	LEA		A5, A4
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000023FF		1986	
000023FF		1987	
000023FF		1988	
000023FF= 44 30 00		1989	EA_Str
» _D0 DC.B	'D0',0		
00002402= 44 31 00		1990	EA_Str
» _D1 DC.B	'D1',0		
000024 <mark>05= 44</mark> 32 00		1991	EA_Str
» _D2 DC.B	'D2',0		_
_	•		
00002408= 44 33 00		1992	EA_Str
» D3 DC.B	'D3',0		_
0000240B= 44 34 00	•	1993	EA_Str
» D4 DC.B	'D4',0		_
0000240E= 44 35 00		1994	EA Str
» D5 DC.B	'D5',0		_
_	•		

000023EE	MOVEM	.W A2//A0/D6/5//3
» /D2//D0/, D1		
000023F2	BCLR	D4, D0
000023F2 000023F4	BCLR	D4, (A3)
000023F6	SUBQ.W	#2, D2
000023F <mark>8</mark>	ORI.B	#\$5355, A1
000023F4 000023F6 000023F8 000023FC	NEG.W	(A1)
000023FE	ORI.W	#\$3000, D4
00002402		
00002408		\$00443400
0000240E	NEG.B	\$00443600
00002414		<mark>\$0</mark> 04 <b>1</b> 3000
000024 <mark>1A</mark>	LEA	<b>\$0041</b> 3200, A0
		\$00413200, A0 \$00413400, A0 \$00413600, A0 \$00284130, A0
00002420	LEA	\$00413400, A0
00002426	LEA	\$00413600, A0
000024 <mark>2C</mark>	LEA	\$00284130, A0
0000243 <mark>2</mark>	MOVE.L	D0, -(A4)
00002434	MOVEA.L	D1, A4
		\$00284132, -(A0)
0000243C		
0000243E		
00002440	MOVE.W	\$00284134, -(A1)
00002446	MOVE.L	D0, -(A4)
1 ИИИИ / 448	MOVEALI	D1. A4
0000244A	MOVE.W	\$00284136, -(A2) D0, -(A4)
00002450	MOVE.L	D0, -(A4)
00002452		
00002454	MOVE.W	\$00284130, -(A3)
0000245A	MOVE.L	\$00284131, -(A4)
00002460	MOVE.L	\$00284132, -(A4)
00002466	MOVE.L	\$00284133, -(A4)
0000246C	MOVE.L	\$00284134, -(A4)
00002472	MOVE.L	\$00284135, -(A4)
00002478	MOVE.L	\$00284136, -(A4)
0000247E	MOVE.L	\$00284137, -(A4)
00002484	MOVE.L	\$002D2841, -(A4)
0000248A	MOVE.W	\$002D2841, D0
00002490	MOVE.W	\$002D2841, -(A0)
00002496	MOVE.W	\$002D2841, D1
0000249C	MOVE.W	\$002D2841, -(A1)
000024A2	MOVE.W	\$002D2841, D2
000024A8	MOVE.W	\$002D2841, -(A2)
000024AE	MOVE.W	\$002D2841, D3
000024B4	MOVE.W	\$00230023, -(A3)
000024BA	MOVE.L	D0, D2
000024BC	MOVE.L	D0, D2
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UU	1111111	u <del>c</del> u j

00002411= 44 36 00	1995 EA_Str
» _D6 DC.B 'D6',	,0
00002414= 44 37 00	1996 EA_Str
» _D7 DC.B 'D7',	,0
00002 <mark>417</mark>	1997
00002417= 41 30 00	1998 EA_Str
» _A0 DC.B 'A0',	,0
0000241A= 41 31 00	1999 EA_Str
» _A1 DC.B 'A1',	,0
0000241D= 41 32 00	2000 EA_Str
» _A2 DC.B 'A2',	,0
00002420= 41 33 00	2001 EA_Str
» _A3 DC.B 'A3',	,0
00002423= 41 34 00	2002 EA_Str
» _A4 DC.B 'A4',	,0
00002426= 41 35 00	2003 EA_Str
» _A5 DC.B 'A5',	,0
00002429= 41 36 00	2004 EA_Str
»_A6 DC.B 'A6',	
0000242C= 41 37 00	2005 EA_Str
»_A7 DC.B 'A7',	
0000242F	2006
0000242F= 28 41 30 29 00	2007 EA_Str
» _AInd0 DC.B '(	

000024			\$24022405,	\$2408240B
000024	4C8	MOVE.L	A6, D2	
000024	4CA	MOVE.L	(A1), D2	
000024	4CC	MOVE.L	(A1), D2 (A4), D2	
000024	4CE	MOVE.L	(A7), D2	
000024	4D0	MOVE.L	(A2)+, D2	
000024	4D2	MOVE.L	(A5)+, D2 -(A0), D2	
000024	4D4	MOVE.L	-(A0), D2	
000024	4D6	MOVE.L	-(A3), D2	
000024	4D8	MOVE.L	-(A6), D2	
000024	4DA	MOVE.L	\$242C242F,	D2
000024	4E0	MOVE.L	#\$243E, D2	
000024	4E6	MOVEA.L	D3, A2	
000024	4E8	MOVEA.L	A0, A2	
000024	4EA	MOVEA.L	\$242C242F, #\$243E, D2 D3, A2 A0, A2 A5, A2 (A2), A2 (A7), A2 (A5)+, A2 -(A3), A2	
000024	4EC	MOVEA.L	(A2), A2	
000024	4EE	MOVEA.L	(A7), A2	
000024	4F0	MOVEA.L	(A5)+, A2	
000024	4F2	MOVEA.L	-(A3), A2	
000024	4F4	MOVEA.L	\$246F2475, \$24812487, A5, (A2)	A2
000024	4FA	MOVEA.L	\$24812487,	A2
00002	500	MOVE.L	A5, (A2)	
00002	502	MOVE.L	(A3), $(A2)$	
00002	504	MOVE.L	(A1)+, (A2)	
00002	506	MOVE.L	(A7)+, (A2) -(A5), (A2)	
00002	508	MOVE.L	-(A5), (A2)	
00002	50A	MOVE.L	\$24B10000,	(A2)
00002	510	ORI.B	#\$0002, D1	
00002	514	ORI.B	#\$0004, D3	
00002	518	ORI.B	#\$0006, D5	
00002	51C	ORI.B	#\$0008, D7	

(continued)
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(continued)		
00002434= 28 41 31 29 00	2008	EA_Str
» _AInd1 DC.B '(A1)',0		
00002439= 28 41 32 29 00	2009	EA_Str
<pre>» _AInd2 DC.B '(A2)',0</pre>		
0000243E= 28 41 33 29 00	2010	EA_Str
» _AInd3 DC.B '(A3)',0		_
00002443= 28 41 34 29 00	2011	EA_Str
		_
<pre>» _AInd4</pre>	2012	EA Stn
" AInds DC B '(AE)' A	2012	LA_5ti
"_AIIIUS DC.B (AS) ,0	2012	EA C+n
0000244D= 28 41 36 29 00 N AInd6 DC B '(A6)' 0	2013	EA_Sti
" ATHUU DC.D (AU).U		
00002452= 28 41 37 29 00	2014	EA_Str
»_AInd7 DC.B '(A7)',0		
	2015	
00002457= 28 41 30 29 2B 00	2016	EA_Str
<pre>» _APostInc0 DC.B '(A0)+</pre>	',0	
0000245D= 28 41 31 29 2B 00	2017	EA_Str
» _APostInc1 DC.B '(A1)+	',0	
00002463= 28 41 32 29 2B 00	2018	EA Str
<pre>» _APostInc2 DC.B '(A2)+</pre>	',0	_
00002469= 28 41 33 29 2B 00		EA Str
» _APostInc3 DC.B '(A3)+	'.0	
0000246F= 28 41 34 29 2B 00	2020	FΔ Str
» _APostInc4 DC.B '(A4)+	' a	LA_Sti
<pre>» _APostInc4</pre>	2021	EA C+n
00002473= 20 41 33 29 20 00		EA_Sti
<pre>» _APostInc5</pre>	,0	EA C1 .
0000247B= 28 41 36 29 2B 00	2022	EA_Str
» _APostInc6 DC.B '(A6)+	· ,0	
00002481= 28 41 37 29 2B 00	2023	EA_Str
» _APostInc7 DC.B '(A7)+	',0	
00002487	2024	
00002481= 28 41 37 29 2B 00 » _APostInc7 DC.B '(A7)+ 00002487 00002487= 2D 28 41 30 29 00	2025	EA_Str
<pre>» _APreDec0 DC.B '-(A0)'</pre>	,0	
0000248D= 2D 28 41 31 29 00		EA_Str
" ADnoDoc1 DC P ' (A1)'	0	
"_APPEDECI DC.B -(AI) 00002493= 2D 28 41 32 29 00	2027	EA Str
» _APreDec2 DC.B(A2) 1 00002499= 2D 28 41 33 29 00	2028	EA Str
» _APreDec3 DC.B '-(A3)'.	0	2750
0000249F= 2D 28 41 34 29 00	2020	EA C+n
		ra_str.
» _APreDec4		EA C+:-
000024A5= 2D 28 41 35 29 00	2030	EA_Str
» _APreDec5 DC.B '-(A5)'		
000024AB= 2D 28 41 36 29 00		EA_Str
» _APreDec6 DC.B '-(A6)'		
000024B1= 2D 28 41 37 29 00		EA_Str
<pre>» _APreDec7 DC.B '-(A7)'</pre>	,0	
000024B <b>7</b>	2033	
000024B7	2034	
000024B7= 23 00	2035	EA_Str
» Hash DC.B '#',0		_

00002520 ORI.B #\$000A, A1 00002<mark>52</mark>4 ORI.B #\$000C, A3

```
2036 EA_Str
000024B9= 23 24 00
» HashDollar
                    DC.B
000024BC= 24 00
                                  2037
                                        EA_Str
                            '$',0
» Dollar
                    DC.B
000024BE
                                  2038
000024BE
                                  2039
000024BE= 23FF 2402 2405 2408
                                  2040 EA_Str
» Array_Dn
                   DC.W
                            EA Str D0,
» EA Str D1,
                    EA Str D2,
                                      EA Str D
  EA_Str_D6,
                     EA_Str_D7
         240B 240E 2411 2414
000024CE= 2417 241A 241D 2420
                                  2042 EA_Str
                    DC.W
                           EA_Str_A0,
» Array_An
                    EA_Str_A2,
» EA_Str_A1,
                                      EA Str A
            EA_Str_A4,
» 3,
                              EA_Str_A5,
   EA_Str_A6,
                      EA_Str_A7
         2423 2426 2429 242C
000024DE= 242F 2434 2439 243E
                                  2044 EA_Str
» Array_AnInd
                   DC.W
                         EA_Str_AInd0,
» EA Str AInd1,
                    EA Str AInd2,
                                      EA Str A
» Ind3,
           EA_Str_AInd4,
                             EA_Str_AInd5,
   EA_Str_AInd6, EA_Str_AInd7
         2443 2448 244D 2452
000024EE= 2457 245D 2463 2469
                                  2046 EA Str
» Array AnPostInc DC.W
                            EA Str APostInc0,
» EA Str APostInc1, EA Str APostInc2, EA Str A
» PostInc3, EA_Str_APostInc4, EA_Str_APostInc5
» , EA_Str_APostInc6, EA_Str_APostInc7
         246F 2475 247B 2481
000024FE= 2487 248D 2493 2499
                                  2048 EA Str
» Array AnPreDec DC.W
                           EA Str APreDec0,
» EA_Str_APreDec1, EA_Str_APreDec2, EA_Str_A
» PreDec3, EA Str APreDec4, EA Str APreDec5,
    EA_Str_APreDec6, EA_Str_APreDec7
          249F 24A5 24AB 24B1
0000250E
                                  2050
0000250E
                                  2051
0000250E= 0000 0001 0002 0003
                                  2052 EA_Mod
                   DC.W
» eArray_Dn
                            $00,$01,$02,$03,$0
» 4,$05,$06,$07
         0004 0005 0006 0007
0000251E= 0008 0009 000A 000B
                                  2054 EA_Mod
                            $08,$09,$0A,$0B,$0
» eArray_AnArray
                    DC.W
» C,$0D,$0E,$0F
          000C 000D 000E 000F
0000252E= 0010 0011 0012 0013
                                  2056 EA Mod
» eArray AnInd
                   DC.W
                            $10,$11,$12,$13,$1
» 4,$15,$16,$17
         0014 0015 0016 0017
0000253E= 0018 0019 001A 001B
                                  2058 EA Mod
```

» eArray\_AnPostInc DC.W \$18,\$19,\$1A,\$1B,\$1

000025 <mark>28</mark> 000025 <mark>2</mark> C	ORI.B ORI.B	#\$000E, #\$0010,	
00002530	ORI.B	#\$0010, #\$0012,	
0000 <mark>2534</mark> 000025 <mark>3</mark> 8	ORI.B ORI.B	#\$0014, #\$0016,	•
0000253C	ORI.B	#\$0018,	(A7)
			()
00002540	ORI.B ORI.B	#\$001A, #\$001C,	•

2072 Hex\_St

2073 Hex St

2074 Hex\_St

2075 Hex\_St

2076 Hex\_St

2078 Hex\_St

2079 Hex\_St

2080 Hex\_St

2082 Hex\_St

Hex\_St

2077

2081

Hex\_Str\_00, Hex\_St

2084

DC.W Hex\_Str\_08, Hex\_St

'7',0

'8',0

'9',0

'A',0

'B',0

'D',0

'E',0

'F',0

L68 put.txt

Left file: D:\Source\github\0 Right file: D:\Source\github (continued)		_			
» C,\$1D,\$1E,\$1F					
001C 001D	001E	001F			
0000254E= 0020 0021	0022	0023	2060	EA_Mod	
<pre>» eArray_AnPreDec</pre>	DC.W	\$20,\$2	21,\$22	,\$23,\$2	
» 4,\$25,\$26,\$27					
00 <mark>24</mark> 0025	002 <mark>6</mark>	0027			
0000255E= 003C 0039	0038		2062	EA_Mod	
<pre>» eArray_Else</pre>	DC.W	\$3C,\$3	39,\$38		
000025 <mark>64</mark>			2063		
000025 <mark>64</mark>			2064		
00002564= 30 00			2065	Hex_St	
» r_00	DC.B	'0',0			
00002566= 31 00			2066	Hex_St	
» r_01	DC.B	'1',0			
00002568= 32 00			2067	Hex_St	
» r_02	DC.B	'2',0			
0000256A= 33 00			2068	Hex_St	
» r_03	DC.B	'3',0			
0000256C= 34 00			2069	Hex_St	
» r_04	DC.B	'4',0			
0000256E= 35 00			2070	Hex_St	
» r_05	DC.B	'5',0			
00002570= 36 00			2071	Hex_St	
» r_06	DC.B	'6',0			

DC.B

DC.B

DC.B

DC.B

DC.B

DC.B

DC.B

DC.B

DC.B

» r\_01, Hex\_Str\_02, Hex\_Str\_03, Hex\_Str\_04, He

» r\_09, Hex\_Str\_10, Hex\_Str\_11, Hex\_Str\_12, He

DC.W

00002584= 2564 2566 2568 256A

00002594= 2574 2576 2578 257A

» x\_Str\_05, Hex\_Str\_06, Hex\_Str\_07 256C 256E 2570 2572

» x\_Str\_13, Hex\_Str\_14, Hex\_Str\_15

00002572= 37 00

00002574= 38 00

00002576= 39 00

00002578= 41 00

0000257A= 42 00

0000257C= 43 00

0000257E= 44 00

00002580= 45 00

00002582= 46 00

» r\_07

» r\_08

» r\_09

» r 10

» r 11

» r\_12

» r\_13

» r\_14

» r\_15 00002584

» rArray

00002548	ORI.B	#\$001E,	(A5)+
000025 <mark>4C</mark>	ORI.B		
00002550	ORI.B	<b>#\$</b> 0022,	-(A1)
000025 <mark>54</mark>	ORI.B		
000025 <mark>58</mark>	ORI.B	<b>#\$0026</b> ,	-(A5)
0000255 <mark>C</mark>	ORI.B	#\$003C,	-(A7)
00002560	ORI.B	#\$0038,	\$30003100
000025 <mark>6</mark> 8		D0, D1	
0000256A	MOVE.W	D0, -(A1	1)

(cor	าtinu	ıed)

257C 257E	2580 2582		
000025 <mark>A4</mark>		2086	
000025A4		2087	
000025A4		2088	
000025A4		2089	
000025A4		2090	
000025A4		2090	
000025A4		2092	
000025 <mark>A4</mark>		2093	
000025A4		2094	
000025A4		2095	
000025A4	4 1	2096	
» en	a incluae		
»		2007	
000025A4		2097	
000025A4		2098	
000025A4		2099	;0
» RG \$00111112			
000025A <mark>4</mark>		2100	
000025A <mark>4</mark>		2101	
000025A4		2102	;I
<pre>» NCLUDE '.\UnitTes</pre>	ts\TEST_002.x68	3'	
000025 <mark>A4</mark>		2103	
000025A <mark>4</mark>		2104	
000025 <mark>A4</mark>		2105	
000025A4		2106	
00003544		2107	
000025A4		210/	
000025A4		2107 2108 E	ND
000025A4	; last line of	2108 E	ND
000025A4	; last line of	2108 E	ND
000025A4	; last line of	2108 E	ND
000025A4 » \$1000		2108 E	ND
000025A4 » \$1000 No errors detected		2108 E	ND
000025A4 » \$1000 No errors detected		2108 E	ND
000025A4 » \$1000 No errors detected	ed	2108 E	ND
000025A4  » \$1000  No errors detected No warnings generat	ed	2108 E	ND
000025A4 » \$1000  No errors detected No warnings generat  SYMBOL TABLE INFORM	ed ATION	2108 E	ND
000025A4 » \$1000  No errors detected No warnings generat  SYMBOL TABLE INFORM	ed ATION	2108 E	ND
000025A4  » \$1000  No errors detected No warnings generat  SYMBOL TABLE INFORM Symbol-name	ed ATION Value	2108 E	ND
000025A4  » \$1000  No errors detected No warnings generat  SYMBOL TABLE INFORM Symbol-name	ed ATION Value 1618	2108 E	ND
000025A4  » \$1000  No errors detected No warnings generat  SYMBOL TABLE INFORM Symbol-name	ed ATION Value 1618 162E	2108 E	ND
000025A4 » \$1000  No errors detected No warnings generat  SYMBOL TABLE INFORM Symbol-name	ATION Value 1618 162E 1EA8	2108 E	ND
000025A4  » \$1000  No errors detected No warnings generat  SYMBOL TABLE INFORM Symbol-name	ATION Value 1618 162E 1EA8 1EC6	2108 E	ND
000025A4  » \$1000  No errors detected No warnings generat  SYMBOL TABLE INFORM Symbol-name	ATION Value 1618 162E 1EA8 1EC6 2056 203A	2108 E	ND
000025A4  » \$1000  No errors detected No warnings generat  SYMBOL TABLE INFORM Symbol-name	ATION Value 1618 162E 1EA8 1EC6 2056 203A	2108 E	ND
000025A4  » \$1000  No errors detected No warnings generat  SYMBOL TABLE INFORM Symbol-name	ATION Value 1618 162E 1EA8 1EC6 2056 203A 2	2108 E	ND
000025A4  » \$1000  No errors detected No warnings generat  SYMBOL TABLE INFORM Symbol-name	ATION Value 1618 162E 1EA8 1EC6 2056 203A 2 2174	2108 E	ND
000025A4  » \$1000  No errors detected No warnings generat  SYMBOL TABLE INFORM Symbol-name	ATION Value 1618 162E 1EA8 1EC6 2056 203A 2 2174 1 21E4	2108 E	ND
000025A4  » \$1000  No errors detected No warnings generat  SYMBOL TABLE INFORM Symbol-name	ATION Value 1618 162E 1EA8 1EC6 2056 203A 2 2174 1 21E4 19AC	2108 E	ND
000025A4  » \$1000  No errors detected No warnings generat  SYMBOL TABLE INFORM Symbol-name	ATION Value 1618 162E 1EA8 1EC6 2056 203A 2 2174 1 21E4 19AC 19E2	2108 E	ND
000025A4  » \$1000  No errors detected No warnings generat  SYMBOL TABLE INFORM Symbol-name	ATION Value 1618 162E 1EA8 1EC6 2056 203A 2 2174 1 21E4 19AC 19E2 19CC	2108 E	ND
000025A4  » \$1000  No errors detected No warnings generat  SYMBOL TABLE INFORM Symbol-name	ATION Value 1618 162E 1EA8 1EC6 2056 203A 2 2174 1 21E4 19AC 19E2	2108 E	ND

000025 <mark>6C</mark>		D0, D2
000025 <mark>6E</mark>	MOVE.W	D0, -(A2)
00002570	MOVE.W	D0, D3
00002572	MOVE.W	
00002574	MOVE.W	D0, D4
00002576	MOVE.W	D0, -(A4)
00002578	LEA	D0, A0
00002370	LLA	DO, AC
000025 <b>7</b> A	NEG.B	D0
000025 <mark>7C</mark>	LEA	D0, A1
000025 <mark>7E</mark>	NEG.B	
00002580	LEA	D0, A2
00002582	NEG.B	
00002584	MOVE.L	-(A4), \$25662568
00000504	MOVE !	#25662565 #25702572
0000258A	MOVE.L	\$256C256E, \$25702572
00002594	MOVE I	#\$2578, \$257A257C
0000259E	MOVE.L	_
00002332	, love , L	\$2502502, \$11111111
1		

(continued)	_
ASR_I_I	1A18
BCLR_I	1598
BEGIN_ADDRESS_STR	
BRANCH_0110	11F6
BYTEREAD	21E3
BYTE_LENGTH	1
CHRDONE	2190
CHRLOOP	217C
	147C
CMPI_B CMPI END	
_	1404
CMPI_L	1458
CMPI_W	14A0
	2130
COUNTLOOP	211E
CR	D
CURRENT_STR_LENGTH	
DATA11109	1ED4
DATA11109_NOT_ZERO	1EEC
DISASSEMBLEOPCODE	1084
DISPLACEMENT	1E40
DISPLACEMENT_FETCH_	
DN	1E6E
DN210	1E8C
EA APPENDMODEREGIST	
EA APPENDMXN	
EA APPENDREGISTERNA	
EA_APPENDXNM	
EA_GETISMXN EA GETISXNM	1F5A
_	
EA_GETSTANDARDMODEI	
EA_GETSTANDARDREGIN	
EA_ISMXN	21ED
EA_ISXNM	21EE
EA_MASK_MODE	1D3C
EA_MASK_REGISTER	1D64
EA_MODEARRAY_ANARRA	Y 251E
EA_MODEARRAY_ANIND	252E
EA_MODEARRAY_ANPOST	
EA MODEARRAY ANPRED	
EA_MODEARRAY_DN	
EA MODEARRAY ELSE	
EA_MODE_ASRL_DISTAN	
EA PROCESSABSOLUTEL	
EA PROCESSABSOLUTEW	
_	
EA_PROCESSELSE	
EA_PROCESSIMMEDIATE	
EA_PROCESSIMMEDIATE	
EA_PROCESSIMMEDIATE	
EA_PROCESSIMMEDIATE	
EA_REGISTER_ASRL_DI	STANCE 9
EA_RETURN	1D16
EA_SETISMXN	1F76

(continued)	
EA_SETISXNM	1F90
EA_SETSTRARRAY_AN	1C18
EA_SETSTRARRAY_ANIND	1C22
EA_SETSTRARRAY_ANPOS	STINC 1C36
EA_SETSTRARRAY_ANPRE	DEC 1C2C
EA_SETSTRARRAY_DN	1C0E
EA SHIFTXNM MODE	
EA SHIFTXNM REGISTER	1D5C
EA STRARRAY AN	24CE
EA_STRARRAY_ANIND	
EA STRARRAY ANPOSTIN	
EA_STRARRAY_ANPREDEC	
EA_STRARRAY_DN	24BE
EA_STR_A0	2417
EA_STR_A1	241A
	241D
	2420
	2423
	2426
	2429
	242C
EA STR AIND0	
EA_STR_AIND1	
EA STR AIND2	
EA_STR_AIND3	
	2443
	2448
	244D
EA_STR_AIND7	
EA_STR_APOSTINC0	
EA STR APOSTINC1	
EA STR APOSTINC2	
EA_STR_APOSTINC3	
EA_STR_APOSTINC4	246F
EA_STR_APOSTINC5	2475
EA STR APOSTINC6	247B
EA_STR_APOSTINC7	2481
EA_STR_APREDECØ	2487
EA STR APREDEC1	248D
EA STR APREDEC2	2493
EA STR APREDEC3	2499
EA STR APREDEC4	249F
EA STR APREDEC5	2445
	24AB
EA_STR_APREDEC6 EA_STR_APREDEC7	24B1
	23FF
EA_STR_D0	2402
EA_STR_D1	2402
EA_STR_D2	2408
EA_STR_D3 EA_STR_D4	2408 240B
EA_STR_D4 EA STR D5	240E
EA_STR_DS EA STR D6	2411
EW_SIV_NO	2411

(continued)	
EA_STR_D7	2414
EA_STR_DOLLAR	24BC
EA_STR_HASH	24B7
EA_STR_HASHDOLLAR	24B9
EMPTY_ADDRESS	0
END_ADDRESS_STR	2202
EORI_B	151C
<del>-</del>	1564
EORI_END	14F8
EORI_L	
EORI_W	1540
ERROR_CODE_FILE_0	
ERROR_CODE_FILE_1	
ERROR_CODE_FILE_2	2278
ERROR_CODE_FILE_3	
FILE_DEFAULT_READ_B	
FILE_ERROR_ARRAY	
FINDNULLLOOPDONE	2100
FLAG_ISFALSE	2028
	2030
GET_NEXT_LONG_D7	
GET_NEXT_WORD_D6	1072
GET_NEXT_WORD_D7	1078
HEX_STRARRAY	2584
HEX_STR_00	2564
HEX_STR_01	2566
HEX_STR_02	2568
HEX_STR_03	256A
HEX_STR_04	256C
HEX_STR_05	256E
HEX_STR_06	2570
HEX_STR_07	2572
HEX_STR_08	2574
HEX_STR_09	2576
HEX_STR_10	2578
HEX_STR_11	257A
HEX_STR_12	257C
HEX_STR_13	257E
HEX_STR_14	2580
HEX_STR_15	2582
INFILE	21EF
ISFALSE	0
ISTRUE	1
LF	Α
LONG_LENGTH	4
LSL_I	1914
LSL_I_DN	194A
LSL_I_I	1934
LSR_I	1960
LSR_I_DN	1996
LSR_I_I	1980
MAIN_LOOP	1054
MASK_10	400
LIMOK_TO	400

MASK_1098         700           MASK_111         800           MASK_11108         D00           MASK_1110876         DC0           MASK_111098         F00           MASK_2100         7           MASK_2210         F           MASK_3210         F           MASK_43         18           MASK_543         38           MASK_56         20           MASK_76         C0           MASK_7654         F0           MASK_83         100           MASK_843         118           MASK_86         100           MASK_876         1C0           MASK_99         200           MASK_90         200           MODE_ABSLONG         1           MODE_ABNORD         0           MODE_ANPREDEC         20           MODE_ANPREDEC         20           MODE_ANPREDEC         20           MOVEA_B         1708	(continued)	
MASK_1110       C00         MASK_11108       D00         MASK_11109       E00         MASK_111098       F00         MASK_111098       F00         MASK_210       7         MASK_3210       F         MASK_3210       F         MASK_43       18         MASK_543       38         MASK_543       38         MASK_6       20         MASK_76       C0         MASK_76       F0         MASK_7654       F0         MASK_843       118         MASK_876       1C0         MASK_9       200         MASK_9       200         MASK_9       200         MASK_OPCODE       F000         MODE_ABSLONG       1         MODE_ABSUND       0         MODE_ANN       8         MODE_ANN       8         MODE_ANN       8         MODE_ANPOSTINC       18         MODE_ANPREDEC       20         MODE_ANPREDEC       20         MODE_ANPREDEC       20         MODE_AL       17A8         MOVEA_B       1798         MOVEA_B	MASK_1098	700
MASK_11108       D00         MASK_11109       E00         MASK_111098       F00         MASK_210       7         MASK_3210       F         MASK_43       18         MASK_55       40         MASK_56       20         MASK_76       C0         MASK_76544       F0         MASK_76543210       FF         MASK_88       100         MASK_876       1C0         MASK_99       200         MASK_90       200         MASK_OPCODE       F000         MODE_ABSUNG       1         MODE_ANID       0         MODE_ANID       0         MODE_ANPOSTINC       18         MODE_ANPOSTINC       18         MODE_ANPREDEC       20         MODE_ANPOSTINC       18         MODE_ANPOSTINC       19         MOVE_AL       1708	MASK_11	800
MASK_11109       E00         MASK_11109       E00         MASK_210       7         MASK_3210       F         MASK_3210       F         MASK_3210       F         MASK_43       18         MASK_55       40         MASK_543       38         MASK_76       C0         MASK,7654       F0         MASK_76543210       FF         MASK_8       100         MASK_843       118         MASK_90       200         MASK_90       200         MASK_90       200         MASK_90       0         MODE_ABSUNG       1         MODE_ABSWORD       0         MODE_AN       8         MODE_ANPOSTINC       18         MODE_ANPREDEC       20         MOVEA_B       1708         MOVEA_B       1708         MOVEA_B       1708         MOVEA_B <td>MASK_1110</td> <td>C00</td>	MASK_1110	C00
MASK_11109       E00         MASK_210       7         MASK_3210       F         MASK_43       18         MASK_5       40         MASK_543       38         MASK_66       20         MASK_765       F0         MASK_76543210       FF         MASK_88       100         MASK_88       100         MASK_89       200         MASK_90CODE       F000         MODE_ABSLONG       1         MODE_ABSLONG       1         MODE_AN       8         MODE_ANN       8         MODE_ANPOSTINC       18         MODE_ANPREDEC       20         MODE_ANPREDEC       20         MODE_ANREDEC       20         MODE_ANREDEC       38         MODE_ANREDEC       38         MODE_ANREDEC       4         MOVEA_B       1708         MOVEA_B       1708         MOVEA_B       1758         MOVEA_B       1730         MOVE_B       1730         MOVE_W       1730         MOVE_W       1780         MSG1       21BC         NULLLOOP	MASK_11108	D00
MASK_111098 F00  MASK_210 7  MASK_3210 F  MASK_43 18  MASK_5 40  MASK_543 38  MASK_6 20  MASK_76 C0  MASK_7654 F0  MASK_7654 F0  MASK_76543210 FF  MASK_8 100  MASK_843 118  MASK_87 100  MASK_843 118  MASK_87 100  MASK_9 200  MASK_9 200  MASK_0PCODE F000  MODE_ABSLONG 1  MODE_ABSLONG 1  MODE_ANN 8  MODE_ANN 8  MODE_ANIND 10  MODE_ANIND 10  MODE_ANPEDEC 20  MODE_DN 0  MODE_LSE 38  MODE_IMM 4  MOVEA_B 1788  MOVEA_L 17A8  MOVEA_L 17A8  MOVEA_B 1798  MOVEM_FA_R 1856  MOVEM_RL_EA 1840  MOVE_B 1770  MOVE_W 1780  MSG1 186  MSG2 21CC  NEWLINE 21BC  NULLLOOP 20F2  PCODESIZE_CURRENT 21EC  OPCODESIZE_CURRENT 21EC  OPCODESIZE_ISSYTE 0  OPCODESIZE_ISSYTE 1FF8  OPCODESIZE_ISSYTE 2008  OPCODESIZE_ISSYTE 2008  OPCODESIZE_ISSYTE 2008	MASK_1110876	DC0
MASK_210       7         MASK_3210       F         MASK_43       18         MASK_543       38         MASK_66       20         MASK_7654       F0         MASK_76543210       FF         MASK_88       100         MASK_876       1C0         MASK_99       200         MASK_90       200         MASK_90       0         MODE_ABSLONG       1         MODE_ABSWORD       0         MODE_ANN       8         MODE_ANPOSTINC       18         MODE_ANPREDEC       20         MODE_ANPREDEC       20         MODE_IMM       4         MOVEA_B       1708         MOVEA_L       17A8         MOVEA_W       1758         MOVEM_EARL       1840         MOVE_B       1730         MOVE_B       1730         MOVE_B       1780         MSG1       21BF         MSG2       21CC         NEWLINE       21BC         NULLLOOP       20F2         OPCODE       1084         OPCODESIZE_ELSE       3         OPCODESIZE_ISBYTE	MASK_11109	E00
MASK_3210       F         MASK_43       18         MASK_543       38         MASK_76       20         MASK_7654       F0         MASK_76543210       FF         MASK_88       100         MASK_843       118         MASK_99       200         MASK_OPCODE       F000         MODE_ABSLONG       1         MODE_ABSLONG       1         MODE_ANN       8         MODE_ANIND       10         MODE_ANPREDEC       20         MODE_ANPREDEC       20         MODE_LSE       38         MODE_IMM       4         MOVEA_B       1708         MOVEA_B       1708         MOVEA_B       1758         MOVEM_RL_EA       1B56         MOVEM_RL_EA       1B40         MOVE_W       1780         MSG1       21BF         MSG2       21CC         NEWLINE       21BC         NULLLOOP       20F2         OPCODE       1084         OPCODESIZE_ESTE_ESTE       0         OPCODESIZE_ISSTE       1FEA         OPCODESIZE_ISSTE       1FF8	MASK_111098	F00
MASK_3210       F         MASK_43       18         MASK_543       38         MASK_76       20         MASK_7654       F0         MASK_76543210       FF         MASK_88       100         MASK_843       118         MASK_99       200         MASK_OPCODE       F000         MODE_ABSLONG       1         MODE_ABSLONG       1         MODE_ANN       8         MODE_ANIND       10         MODE_ANPREDEC       20         MODE_ANPREDEC       20         MODE_LSE       38         MODE_IMM       4         MOVEA_B       1708         MOVEA_B       1708         MOVEA_B       1758         MOVEM_RL_EA       1B56         MOVEM_RL_EA       1B40         MOVE_W       1780         MSG1       21BF         MSG2       21CC         NEWLINE       21BC         NULLLOOP       20F2         OPCODE       1084         OPCODESIZE_ESTE_ESTE       0         OPCODESIZE_ISSTE       1FEA         OPCODESIZE_ISSTE       1FF8	MASK 210	7
MASK_43       18         MASK_543       38         MASK_66       20         MASK_765       CO         MASK_7654       FO         MASK_76543210       FF         MASK_88       100         MASK_843       118         MASK_90       200         MASK_OPCODE       F000         MODE_ABSLONG       1         MODE_ABSWORD       0         MODE_ANN       8         MODE_ANPOSTINC       18         MODE_ANPREDEC       20         MODE_ANPREDEC		F
MASK_543       40         MASK_543       38         MASK_76       20         MASK_7654       F0         MASK_76543210       FF         MASK_843       118         MASK_843       118         MASK_90       200         MASK_OPCODE       F000         MODE_ABSLONG       1         MODE_ABSWORD       0         MODE_AN       8         MODE_ANIND       10         MODE_ANPOSTINC       18         MODE_ANPREDEC       20         MODE_IDN       0         MODE_LESE       38         MODE_IMM       4         MOVEA_B       1708         MOVEA_B       1758         MOVEM_EARL       1856         MOVEM_EARL       1840         MOVEM_BARL       1730         MOVE_B       1730         MOVE_B       1730         MOVE_B       1730         MOVE_B       1730         MOVE_W       1780         MSG1       21BF         MSG2       21CC         NEWLINE       21BC         NULLLOOP       20F2         OPCODESIZE_BYTE		18
MASK_543       38         MASK_66       20         MASK_7654       F0         MASK_76543210       FF         MASK_843       118         MASK_843       118         MASK_876       1C0         MASK_9       200         MASK_OPCODE       F000         MODE_ABSLONG       1         MODE_ABSWORD       0         MODE_ANN       8         MODE_ANIND       10         MODE_ANPOSTINC       18         MODE_ANPREDEC       20         MODE_IDN       0         MODE_LESE       38         MODE_IMM       4         MOVEA_B       1708         MOVEA_L       1758         MOVEA_L       1758         MOVEM_RL_EA       1840         MOVEM_RL_EA       1840         MOVE_B       1730         MOVE_L       1770         MOVE_L       1770         MOVE_W       1780         MSG1       21BF         MSG2       21CC         NEWLINE       21BC         NULLLOOP       20F2         OPCODESIZE_BYTE       0         OPCODESIZE_GETSI	<u> </u>	40
MASK_6       20         MASK_76       C0         MASK_7654       F0         MASK_76543210       FF         MASK_8       100         MASK_843       118         MASK_90       200         MASK_OPCODE       F000         MODE_ABSLONG       1         MODE_ABSWORD       0         MODE_AN       8         MODE_ANIND       10         MODE_ANPREDEC       20         MODE_ANPREDEC       20         MODE_DN       0         MODE_ABSWORD       0         MODE_ANPREDEC       20         MODE_ANPREDEC		38
MASK_76       C0         MASK_7654       F0         MASK_76543210       FF         MASK_8       100         MASK_843       118         MASK_96       1C0         MASK_OPCODE       F000         MODE_ABSLONG       1         MODE_ABSWORD       0         MODE_AN       8         MODE_ANNID       10         MODE_ANPOSTINC       18         MODE_ANPREDEC       20         MODE_DN       0         MODE_ANPREDEC       20         MODE_ANPREDEC<		
MASK_7654       F0         MASK_76543210       FF         MASK_8       100         MASK_843       118         MASK_9P       200         MASK_OPCODE       F000         MODE_ABSLONG       1         MODE_ABSWORD       0         MODE_ANNID       10         MODE_ANNO       18         MODE_ANPOSTINC       18         MODE_ANPREDEC       20         MODE_DN       0         MODE_ELSE       38         MODE_IMM       4         MOVEA_B       1708         MOVEA_L       17A8         MOVEA_W       1758         MOVEM_EA_RL       1856         MOVEM_RL_EA       1840         MOVE_B       1730         MOVE_B       1730         MOVE_W       1780         MSG1       21BF         MSG2       21CC         NULLLOOP       2062         OPCODE       1084         OPCODESIZE_BYTE       0         OPCODESIZE_CURRENT       21EC         OPCODESIZE_GETSIZE       1FFA         OPCODESIZE_ISBYTE       1FF8         OPCODESIZE_ISBYTE       1FF8	<u> </u>	
MASK_76543210 FF  MASK_8 100  MASK_843 118  MASK_876 1C0  MASK_9 200  MASK_OPCODE F000  MODE_ABSLONG 1  MODE_ABSWORD 0  MODE_ANIND 10  MODE_ANIND 10  MODE_ANPOSTINC 18  MODE_ANPREDEC 20  MODE_DN 0  MODE_ELSE 38  MODE_IMM 4  MOVEA_B 1708  MOVEA_L 17A8  MOVEA_L 17A8  MOVEA_L 1758  MOVEM_EARL 1856  MOVEM_RL_EA 1840  MOVE_B 1730  MOVE_B 1730  MOVE_W 1780  MSG1 21BF  MSG2 21CC  NEWLINE 21BC  NULLLOOP 20F2  OPCODE  OPCODESIZE_CURRENT 21EC  OPCODESIZE_CURRENT 21EC  OPCODESIZE_CURSENT 1FF8  OPCODESIZE_ISBYTE 1FF8  OPCODESIZE_ISBYTE 1FF8  OPCODESIZE_ISWORD 2008  OPCODESIZE_LSWORD 2008  OPCODESIZE_LSWORD 2008  OPCODESIZE_LSWORD 2008  OPCODESIZE_LSWORD 2008  OPCODESIZE_LSWORD 2008	_	
MASK_8       100         MASK_843       118         MASK_876       1C0         MASK_0PCODE       F000         MODE_ABSLONG       1         MODE_ABSWORD       0         MODE_AN       8         MODE_ANIND       10         MODE_ANPOSTINC       18         MODE_ANPREDEC       20         MODE_DN       0         MODE_ISES       38         MODE_IMM       4         MOVEA_B       1708         MOVEA_L       17A8         MOVEA_W       1758         MOVEM_EA_RL       1856         MOVEM_RL_EA       1840         MOVE_B       1730         MOVE_L       17D0         MOVE_W       1780         MSG1       21BF         MSG2       21CC         NEWLINE       21BC         NULLLOOP       20F2         OPCODE       1084         OPCODESIZE_BYTE       0         OPCODESIZE_LESE       3         OPCODESIZE_LESE       3         OPCODESIZE_ISBYTE       1FF8         OPCODESIZE_ISWORD       2008         OPCODESIZE_LONG       2    <		
MASK_843       118         MASK_876       1C0         MASK_9       200         MASK_OPCODE       F000         MODE_ABSLONG       1         MODE_ABSWORD       0         MODE_AN       8         MODE_ANIND       10         MODE_ANPREDEC       20         MODE_ANPREDEC       20         MODE_DN       0         MODE_IMM       4         MOVEA_B       1708         MOVEA_L       17A8         MOVEA_L       1758         MOVEM_EA_RL       1856         MOVEM_RL_EA       1840         MOVE_B       1730         MOVE_W       1780         MSG1       218F         MSG2       21CC         NULLLOOP       20F2         OPCODE       1084         OPCODESIZE_BYTE       0         OPCODESIZE_CURRENT       21EC         OPCODESIZE_ELSE       3         OPCODESIZE_ISBYTE       1FFA         OPCODESIZE_ISBYTE       1FFA         OPCODESIZE_ISWORD       2008         OPCODESIZE_LONG       2		
MASK_876       1C0         MASK_9       200         MASK_OPCODE       F000         MODE_ABSLONG       1         MODE_ABSWORD       0         MODE_AN       8         MODE_ANIND       10         MODE_ANPREDEC       20         MODE_DN       0         MODE_ELSE       38         MODE_IMM       4         MOVEA_B       1708         MOVEA_L       17A8         MOVEA_W       1758         MOVEM_EA_RL       1856         MOVEM_RL_EA       1840         MOVE_B       1730         MOVE_L       1700         MOVE_W       1780         MSG1       21BF         MSG2       21CC         NEWLINE       21BC         NULLLOOP       20F2         OPCODE       1084         OPCODESIZE_BYTE       0         OPCODESIZE_ELSE       3         OPCODESIZE_ELSE       3         OPCODESIZE_ISBYTE       1FF8         OPCODESIZE_ISBYTE       1FF8         OPCODESIZE_ISBOND       2008         OPCODESIZE_LONG       2018		
MASK_9       200         MASK_OPCODE       F000         MODE_ABSLONG       1         MODE_ABSWORD       0         MODE_AN       8         MODE_ANIND       10         MODE_ANPREDEC       20         MODE_DN       0         MODE_ELSE       38         MODE_IMM       4         MOVEA_B       1708         MOVEA_L       17A8         MOVEA_W       1758         MOVEM_EA_RL       1856         MOVEM_RL_EA       1840         MOVE_B       1730         MOVE_L       1700         MOVE_W       1780         MSG1       21BF         MSG2       21CC         NEWLINE       21BC         NULLLOOP       20F2         OPCODE       1084         OPCODESIZE_BYTE       0         OPCODESIZE_LESE       3         OPCODESIZE_LESE       3         OPCODESIZE_ISBYTE       1FF8         OPCODESIZE_ISBYTE       1FF8         OPCODESIZE_ISBOND       2008         OPCODESIZE_LONG       2		
MASK_OPCODE       F000         MODE_ABSLONG       1         MODE_ABSWORD       0         MODE_AN       8         MODE_ANIND       10         MODE_ANPREDEC       20         MODE_DN       0         MODE_ELSE       38         MODE_IMM       4         MOVEA_B       1708         MOVEA_L       1758         MOVEA_W       1758         MOVEM_EA_RL       1856         MOVEM_RL_EA       1840         MOVE_B       1730         MOVE_L       1700         MOVE_W       1780         MSG1       21BF         MSG2       21CC         NULLLOOP       20F2         OPCODE       1084         OPCODESIZE_BYTE       0         OPCODESIZE_LSE       3         OPCODESIZE_ISBYTE       1FEA         OPCODESIZE_ISBYTE       1FF8         OPCODESIZE_ISBYTE       1FF8         OPCODESIZE_ISBORD       2008         OPCODESIZE_LONG       2		
MODE_ABSLONG       1         MODE_ABSWORD       0         MODE_AN       8         MODE_ANIND       10         MODE_ANPREDEC       20         MODE_DN       0         MODE_ELSE       38         MODE_IMM       4         MOVEA_B       1708         MOVEA_L       17A8         MOVEA_W       1758         MOVEM_EA_RL       1856         MOVEM_RL_EA       1840         MOVE_B       1730         MOVE_L       17D0         MOVE_W       1780         MSG1       21BF         MSG2       21CC         NULLLOOP       20F2         OPCODE       1084         OPCODESIZE_BYTE       0         OPCODESIZE_LSE       3         OPCODESIZE_ISE_TSE       1FEA         OPCODESIZE_ISBYTE       1FF8         OPCODESIZE_ISLONG       2018         OPCODESIZE_LONG       20         OPCODESIZE_LONG       20	<u> </u>	
MODE_ABSWORD       0         MODE_AN       8         MODE_ANIND       10         MODE_ANPOSTINC       18         MODE_ANPREDEC       20         MODE_DN       0         MODE_DN       0         MODE_ELSE       38         MODE_IMM       4         MOVEA_B       1708         MOVEA_L       17A8         MOVEA_W       1758         MOVEM_EA_RL       1856         MOVEM_EA_RL       1840         MOVE_B       1730         MOVE_L       17D0         MOVE_W       1780         MSG1       21BF         MSG2       21CC         NEWLINE       21BC         NULLLOOP       20F2         OPCODE       1084         OPCODESIZE_BYTE       0         OPCODESIZE_CURRENT       21EC         OPCODESIZE_ELSE       3         OPCODESIZE_ISBYTE       1FEA         OPCODESIZE_ISBYTE       1FF8         OPCODESIZE_ISBORD       2008         OPCODESIZE_LONG       20	_	
MODE_AN       8         MODE_ANIND       10         MODE_ANPOSTINC       18         MODE_ANPREDEC       20         MODE_DN       0         MODE_ELSE       38         MODE_IMM       4         MOVEA_B       1708         MOVEA_L       17A8         MOVEA_W       1758         MOVEM_EA_RL       1856         MOVEM_RL_EA       1840         MOVE_B       1730         MOVE_L       17D0         MOVE_W       1780         MSG1       21BF         MSG2       21CC         NULLLOOP       20F2         OPCODE       1084         OPCODESIZE_BYTE       0         OPCODESIZE_CURRENT       21EC         OPCODESIZE_ELSE       3         OPCODESIZE_ISBYTE       1FEA         OPCODESIZE_ISBYTE       1FF8         OPCODESIZE_ISWORD       2008         OPCODESIZE_LONG       2	<u> </u>	
MODE_ANIND       10         MODE_ANPOSTINC       18         MODE_ANPREDEC       20         MODE_DN       0         MODE_ELSE       38         MODE_IMM       4         MOVEA_B       1708         MOVEA_L       1748         MOVEA_W       1758         MOVEM_EA_RL       1856         MOVEM_EA_RL       1840         MOVE_B       1730         MOVE_L       1700         MOVE_W       1780         MSG1       21BF         MSG2       21CC         NEWLINE       21BC         NULLLOOP       20F2         OPCODE       1084         OPCODESIZE_BYTE       0         OPCODESIZE_CURRENT       21EC         OPCODESIZE_ELSE       3         OPCODESIZE_ISBYTE       1FEA         OPCODESIZE_ISBYTE       1FF8         OPCODESIZE_ISBYTE       1FF8         OPCODESIZE_ISWORD       2008         OPCODESIZE_LONG       2	<u> </u>	
MODE_ANPOSTINC       18         MODE_ANPREDEC       20         MODE_DN       0         MODE_ELSE       38         MODE_IMM       4         MOVEA_B       1708         MOVEA_L       17A8         MOVEA_W       1758         MOVEM_EA_RL       1856         MOVEM_RL_EA       1840         MOVE_B       1730         MOVE_L       17D0         MOVE_W       1780         MSG1       21BF         MSG2       21CC         NEWLINE       21BC         NULLLOOP       20F2         OPCODE       1084         OPCODESIZE_BYTE       0         OPCODESIZE_CURRENT       21EC         OPCODESIZE_GETSIZE       1FEA         OPCODESIZE_ISBYTE       1FF8         OPCODESIZE_ISBYTE       1FF8         OPCODESIZE_ISWORD       2008         OPCODESIZE_LONG       2		
MODE_ANPREDEC       20         MODE_DN       0         MODE_ELSE       38         MODE_IMM       4         MOVEA_B       1708         MOVEA_L       17A8         MOVEA_W       1758         MOVEM_EA_RL       1B56         MOVEM_RL_EA       1B40         MOVE_B       1730         MOVE_L       17D0         MOVE_W       1780         MSG1       21BF         MSG2       21CC         NEWLINE       21BC         NULLLOOP       20F2         OPCODE       1084         OPCODESIZE_BYTE       0         OPCODESIZE_CURRENT       21EC         OPCODESIZE_GETSIZE       1FEA         OPCODESIZE_ISBYTE       1FF8         OPCODESIZE_ISBYTE       1FF8         OPCODESIZE_ISBORD       2008         OPCODESIZE_LONG       2		
MODE_DN       0         MODE_ELSE       38         MODE_IMM       4         MOVEA_B       1708         MOVEA_L       1748         MOVEA_W       1758         MOVEM_EA_RL       1856         MOVEM_RL_EA       1840         MOVE_B       1730         MOVE_L       1700         MOVE_W       1780         MSG1       21BF         MSG2       21CC         NEWLINE       21BC         NULLLOOP       20F2         OPCODE       1084         OPCODESIZE_BYTE       0         OPCODESIZE_CURRENT       21EC         OPCODESIZE_ELSE       3         OPCODESIZE_GETSIZE       1FEA         OPCODESIZE_ISBYTE       1FF8         OPCODESIZE_ISBYTE       1FF8         OPCODESIZE_ISBORD       2008         OPCODESIZE_LONG       2		
MODE_ELSE       38         MODE_IMM       4         MOVEA_B       1708         MOVEA_L       1748         MOVEA_W       1758         MOVEM_EA_RL       1856         MOVEM_RL_EA       1840         MOVE_B       1730         MOVE_L       17D0         MOVE_W       1780         MSG1       21BF         MSG2       21CC         NEWLINE       21BC         NULLLOOP       20F2         OPCODE       1084         OPCODESIZE_BYTE       0         OPCODESIZE_CURRENT       21EC         OPCODESIZE_ELSE       3         OPCODESIZE_GETSIZE       1FEA         OPCODESIZE_ISBYTE       1FF8         OPCODESIZE_ISLONG       2018         OPCODESIZE_ISLONG       2008         OPCODESIZE_LONG       2		
MODE_IMM		
MOVEA_B       1708         MOVEA_L       17A8         MOVEA_W       1758         MOVEM_EA_RL       1B56         MOVEM_RL_EA       1B40         MOVE_B       1730         MOVE_L       17D0         MOVE_W       1780         MSG1       21BF         MSG2       21CC         NEWLINE       21BC         NULLLOOP       20F2         OPCODE       1084         OPCODESIZE_BYTE       0         OPCODESIZE_CURRENT       21EC         OPCODESIZE_ELSE       3         OPCODESIZE_GETSIZE       1FEA         OPCODESIZE_ISBYTE       1FF8         OPCODESIZE_ISLONG       2018         OPCODESIZE_ISWORD       2008         OPCODESIZE_LONG       2		
MOVEA_L MOVEA_W 1758 MOVEM_EA_RL MOVEM_EA_RL MOVEM_RL_EA MOVEM_RL_EA MOVE_B 1730 MOVE_L 17D0 MOVE_L 17D0 MOVE_W 1780 MSG1 21BF MSG2 21CC NEWLINE 21BC NULLLOOP 20F2 OPCODE 1084 OPCODESIZE_BYTE 0 OPCODESIZE_CURRENT 21EC OPCODESIZE_CURRENT 21EC OPCODESIZE_GETSIZE 1FEA OPCODESIZE_ISBYTE 0PCODESIZE_ISBYTE 1FF8 OPCODESIZE_ISBYTE 1FF8		
MOVEA_W 1758  MOVEM_EA_RL 1B56  MOVEM_RL_EA 1B40  MOVE_B 1730  MOVE_L 17D0  MOVE_W 1780  MSG1 21BF  MSG2 21CC  NEWLINE 21BC  NULLLOOP 20F2  OPCODE 1084  OPCODESIZE_BYTE 0  OPCODESIZE_CURRENT 21EC  OPCODESIZE_CURRENT 21EC  OPCODESIZE_GETSIZE 1FEA  OPCODESIZE_ISBYTE 1FF8  OPCODESIZE_ISBYTE 1FF8  OPCODESIZE_ISBYTE 1FF8  OPCODESIZE_ISBYTE 1FF8  OPCODESIZE_ISWORD 2008  OPCODESIZE_LONG 2	_	
MOVEM_EA_RL 1B56 MOVEM_RL_EA 1B40 MOVE_B 1730 MOVE_L 17D0 MOVE_W 1780 MSG1 21BF MSG2 21CC NEWLINE 21BC NULLLOOP 20F2 OPCODE 1084 OPCODESIZE_BYTE 0 OPCODESIZE_CURRENT 21EC OPCODESIZE_ELSE 3 OPCODESIZE_ELSE 3 OPCODESIZE_ISBYTE 1FEA OPCODESIZE_ISBYTE 1FF8 OPCODESIZE_ISBYTE 1FF8 OPCODESIZE_ISBYTE 1FF8 OPCODESIZE_ISBYTE 2088 OPCODESIZE_ISWORD 2008 OPCODESIZE_LONG 2	_	
MOVEM_RL_EA 1B40  MOVE_B 1730  MOVE_L 17D0  MOVE_W 1780  MSG1 21BF  MSG2 21CC  NEWLINE 21BC  NULLLOOP 20F2  OPCODE 1084  OPCODESIZE_BYTE 0  OPCODESIZE_CURRENT 21EC  OPCODESIZE_ELSE 3  OPCODESIZE_GETSIZE 1FEA  OPCODESIZE_ISBYTE 1FF8  OPCODESIZE_ISBYTE 1FF8  OPCODESIZE_ISBYTE 1FF8  OPCODESIZE_ISWORD 2008  OPCODESIZE_LONG 2	_	
MOVE_B 1730  MOVE_L 17D0  MOVE_W 1780  MSG1 21BF  MSG2 21CC  NEWLINE 21BC  NULLLOOP 20F2  OPCODE 1084  OPCODESIZE_BYTE 0  OPCODESIZE_CURRENT 21EC  OPCODESIZE_ELSE 3  OPCODESIZE_GETSIZE 1FEA  OPCODESIZE_ISBYTE 1FF8  OPCODESIZE_ISBYTE 1FF8  OPCODESIZE_ISBYTE 1FF8  OPCODESIZE_ISWORD 2008  OPCODESIZE_LONG 2		
MOVE_L 17D0  MOVE_W 1780  MSG1 21BF  MSG2 21CC  NEWLINE 21BC  NULLLOOP 20F2  OPCODE 1084  OPCODESIZE_BYTE 0  OPCODESIZE_CURRENT 21EC  OPCODESIZE_ELSE 3  OPCODESIZE_GETSIZE 1FEA  OPCODESIZE_ISBYTE 1FF8  OPCODESIZE_ISBYTE 1FF8  OPCODESIZE_ISBORD 2008  OPCODESIZE_LONG 2		
MOVE_W 1780 MSG1 21BF MSG2 21CC NEWLINE 21BC NULLLOOP 20F2 OPCODE 1084 OPCODESIZE_BYTE 0 OPCODESIZE_CURRENT 21EC OPCODESIZE_ELSE 3 OPCODESIZE_GETSIZE 1FEA OPCODESIZE_ISBYTE 1FF8 OPCODESIZE_ISBYTE 1FF8 OPCODESIZE_ISLONG 2018 OPCODESIZE_ISWORD 2008 OPCODESIZE_LONG 2		
MSG1 21BF MSG2 21CC NEWLINE 21BC NULLLOOP 20F2 OPCODE 1084 OPCODESIZE_BYTE 0 OPCODESIZE_CURRENT 21EC OPCODESIZE_ELSE 3 OPCODESIZE_GETSIZE 1FEA OPCODESIZE_ISBYTE 1FF8 OPCODESIZE_ISLONG 2018 OPCODESIZE_ISWORD 2008 OPCODESIZE_LONG 2	<u> </u>	
MSG2 21CC NEWLINE 21BC NULLLOOP 20F2 OPCODE 1084 OPCODESIZE_BYTE 0 OPCODESIZE_CURRENT 21EC OPCODESIZE_ELSE 3 OPCODESIZE_GETSIZE 1FEA OPCODESIZE_ISBYTE 1FF8 OPCODESIZE_ISBYTE 1FF8 OPCODESIZE_ISUORD 2018 OPCODESIZE_ISWORD 2008 OPCODESIZE_LONG 2		
NEWLINE 21BC NULLLOOP 20F2 OPCODE 1084 OPCODESIZE_BYTE 0 OPCODESIZE_CURRENT 21EC OPCODESIZE_ELSE 3 OPCODESIZE_GETSIZE 1FEA OPCODESIZE_ISBYTE 1FF8 OPCODESIZE_ISBYTE 1FF8 OPCODESIZE_ISLONG 2018 OPCODESIZE_ISWORD 2008 OPCODESIZE_LONG 2		
NULLLOOP 20F2 OPCODE 1084 OPCODESIZE_BYTE 0 OPCODESIZE_CURRENT 21EC OPCODESIZE_ELSE 3 OPCODESIZE_GETSIZE 1FEA OPCODESIZE_ISBYTE 1FF8 OPCODESIZE_ISLONG 2018 OPCODESIZE_ISWORD 2008 OPCODESIZE_LONG 2		
OPCODE 1084  OPCODESIZE_BYTE 0  OPCODESIZE_CURRENT 21EC  OPCODESIZE_ELSE 3  OPCODESIZE_GETSIZE 1FEA  OPCODESIZE_ISBYTE 1FF8  OPCODESIZE_ISLONG 2018  OPCODESIZE_ISWORD 2008  OPCODESIZE_LONG 2		
OPCODESIZE_BYTE 0 OPCODESIZE_CURRENT 21EC OPCODESIZE_ELSE 3 OPCODESIZE_GETSIZE 1FEA OPCODESIZE_ISBYTE 1FF8 OPCODESIZE_ISLONG 2018 OPCODESIZE_ISWORD 2008 OPCODESIZE_LONG 2		
OPCODESIZE_CURRENT 21EC OPCODESIZE_ELSE 3 OPCODESIZE_GETSIZE 1FEA OPCODESIZE_ISBYTE 1FF8 OPCODESIZE_ISLONG 2018 OPCODESIZE_ISWORD 2008 OPCODESIZE_LONG 2		1084
OPCODESIZE_ELSE 3 OPCODESIZE_GETSIZE 1FEA OPCODESIZE_ISBYTE 1FF8 OPCODESIZE_ISLONG 2018 OPCODESIZE_ISWORD 2008 OPCODESIZE_LONG 2	OPCODESIZE_BYTE	0
OPCODESIZE_GETSIZE 1FEA OPCODESIZE_ISBYTE 1FF8 OPCODESIZE_ISLONG 2018 OPCODESIZE_ISWORD 2008 OPCODESIZE_LONG 2	_	21EC
OPCODESIZE_ISBYTE 1FF8 OPCODESIZE_ISLONG 2018 OPCODESIZE_ISWORD 2008 OPCODESIZE_LONG 2		_
OPCODESIZE_ISLONG 2018 OPCODESIZE_ISWORD 2008 OPCODESIZE_LONG 2		1FEA
OPCODESIZE_ISWORD 2008 OPCODESIZE_LONG 2		
OPCODESIZE_LONG 2	OPCODESIZE_ISLONG	2018
		2008
OPCODESIZE_SETTOBYTE 1FAA		
	OPCODESIZE_SETTOBYTE	1FAA

OPCODESIZE_SETTOLONG 1FCA OPCODESIZE_SETTOWORD 1FBA OPCODESIZE_WORD 1 OPCODE_ADD 15F8 OPCODE_ADDA 15D0 OPCODE_ADDA 15D0 OPCODE_ADDA 15D0 OPCODE_APPENDSIZESUFFIX 1D6E OPCODE_APPENDSIZESUFFIX_B 1D8C OPCODE_APPENDSIZESUFFIX_L 1DBC OPCODE_APPENDSIZESUFFIX_W 1DA4 OPCODE_APPENDSIZESUFFIX_W 1DA4 OPCODE_ASPENDSIZESUFFIX_W 1DA4 OPCODE_ASR 1866 OPCODE_ASR 1866 OPCODE_BCS 1A5A OPCODE_BCS 1A5A OPCODE_BCS 1A5A OPCODE_BCS 1A5A OPCODE_BCB 1A70 OPCODE_BRA 1A44 OPCODE_BRA 1A44 OPCODE_BCW 1A9C OPCODE_CMP 16B8 OPCODE_CMP 16B8 OPCODE_CMP 1436 OPCODE_DIVS 1644 OPCODE_DIVS 1644 OPCODE_DIVS 1644 OPCODE_DIVS 1644 OPCODE_FINISH 1B92 OPCODE_ILLEGAL 1AC2 OPCODE_ILLEGAL 1AC2 OPCODE_ILLEGAL 1AC2 OPCODE_LSA 1AB2 OPCODE_LSA 1B24 OPCODE_NOP 1AB2 OPCODE_MOVEM 1B20 OPCODE_MOVEM 1B20 OPCODE_NOP 1AB2 OPCODE_SUBQ 131E ORI_BND 1A24 OPCODE_SUBQ 131E ORI_BND 1A24 OUTPUT_LENGTH 28	(continued)	
OPCODESIZE_SETTOWORD 1FBA OPCODESIZE_WORD 1 OPCODE_ADDD 15F8 OPCODE_ADDA 15D0 OPCODE_ADDQ 1346 OPCODE_APPENDSIZESUFFIX_ 1D6E OPCODE_APPENDSIZESUFFIX_B 1D8C OPCODE_APPENDSIZESUFFIX_L 1DBC OPCODE_APPENDSIZESUFFIX_W 1DA4 OPCODE_ASPENDSIZESUFFIX_W 1DA4 OPCODE_ASR 1866 OPCODE_ASR 1866 OPCODE_BCLR 1576 OPCODE_BCS 1A5A OPCODE_BCS 1A5A OPCODE_BCS 1A5A OPCODE_BCS 1A5A OPCODE_BCW 1A9C OPCODE_BCW 1A9C OPCODE_CMP 16B8 OPCODE_CMP 16B8 OPCODE_CMP 16B8 OPCODE_DIVS 1644 OPCODE_DIVS 1644 OPCODE_DIVS 1644 OPCODE_BCR 1A6C OPCODE_INISH 1B92 OPCODE_INISH 1B92 OPCODE_INISH 1B92 OPCODE_ILEGAL 1AC2 OPCODE_ISR 1B6C OPCODE_LEA 1AE2 OPCODE_LSA 1824 OPCODE_LSA 1824 OPCODE_LSA 183A OPCODE_MOVEM 1B20 OPCODE_MOVEM 1B20 OPCODE_NOP 1AB2 OPCODE_NOP 1AB2 OPCODE_NOP 1AB2 OPCODE_NOP 1AB2 OPCODE_ROR 180E OPCODE_ROR 180E OPCODE_ROR 180E OPCODE_ROR 180E OPCODE_SUBQ 131E ORGINEROR 180C ORI_END 1424 ORI_L 1388 ORI_W 1400 OR_DN_EA_DN 168C OPC_BLEND 1424 ORI_LEND 1424 OUTFILENAME 21D8 OUTPUT 220B		
OPCODESIZE_SETTOWORD 1FBA OPCODESIZE_WORD 1 OPCODE_ADDD 15F8 OPCODE_ADDA 15D0 OPCODE_ADDQ 1346 OPCODE_APPENDSIZESUFFIX_ 1D6E OPCODE_APPENDSIZESUFFIX_B 1D8C OPCODE_APPENDSIZESUFFIX_L 1DBC OPCODE_APPENDSIZESUFFIX_W 1DA4 OPCODE_ASPENDSIZESUFFIX_W 1DA4 OPCODE_ASR 1866 OPCODE_ASR 1866 OPCODE_BCLR 1576 OPCODE_BCS 1A5A OPCODE_BCS 1A5A OPCODE_BCS 1A5A OPCODE_BCS 1A5A OPCODE_BCW 1A9C OPCODE_BCW 1A9C OPCODE_CMP 16B8 OPCODE_CMP 16B8 OPCODE_CMP 16B8 OPCODE_DIVS 1644 OPCODE_DIVS 1644 OPCODE_DIVS 1644 OPCODE_BCR 1A6C OPCODE_INISH 1B92 OPCODE_INISH 1B92 OPCODE_INISH 1B92 OPCODE_ILEGAL 1AC2 OPCODE_ISR 1B6C OPCODE_LEA 1AE2 OPCODE_LSA 1824 OPCODE_LSA 1824 OPCODE_LSA 183A OPCODE_MOVEM 1B20 OPCODE_MOVEM 1B20 OPCODE_NOP 1AB2 OPCODE_NOP 1AB2 OPCODE_NOP 1AB2 OPCODE_NOP 1AB2 OPCODE_ROR 180E OPCODE_ROR 180E OPCODE_ROR 180E OPCODE_ROR 180E OPCODE_SUBQ 131E ORGINEROR 180C ORI_END 1424 ORI_L 1388 ORI_W 1400 OR_DN_EA_DN 168C OPC_BLEND 1424 ORI_LEND 1424 OUTFILENAME 21D8 OUTPUT 220B	OPCODESIZE_SETTOLONG	1FCA
OPCODE_SIZE_WORD         1           OPCODE_ADD         15F8           OPCODE_ADDA         15D0           OPCODE_ADDQ         1346           OPCODE_APPENDSIZESUFFIX         1D6E           OPCODE_APPENDSIZESUFFIX_L         1D8C           OPCODE_APPENDSIZESUFFIX_L         1D8C           OPCODE_ASL         1850           OPCODE_ASR         1866           OPCODE_BCR         1576           OPCODE_BCS         1A5A           OPCODE_BGE         1A70           OPCODE_BRA         1A44           OPCODE_BRA         1A44           OPCODE_CMP         16B8           OPCODE_CMP         16B8           OPCODE_CMP         16B8           OPCODE_DATA         12BC           OPCODE_DATA         12BC           OPCODE_DIVS         1644           OPCODE_EOR         16E0           OPCODE_INISH         1B92           OPCODE_INISH         1B92           OPCODE_INISH         1B92           OPCODE_LEA         1AC2           OPCODE_LEA         1AE2           OPCODE_LEA         1ASA           OPCODE_MOVEM         1B20           OPCODE_MOVEM         1B		
OPCODE_ADDA         15P8           OPCODE_ADDA         15D0           OPCODE_ADDA         1346           OPCODE_APPENDSIZESUFFIX         1D6E           OPCODE_APPENDSIZESUFFIX_B         1D8C           OPCODE_APPENDSIZESUFFIX_L         1DBC           OPCODE_ASL         1850           OPCODE_ASR         1866           OPCODE_BCR         1576           OPCODE_BCS         1A5A           OPCODE_BGE         1A70           OPCODE_BRA         1A44           OPCODE_BRA         1A44           OPCODE_CMP         16B8           OPCODE_CMP         16B8           OPCODE_CMP         16B8           OPCODE_DIVS         1644           OPCODE_EOR         16E0           OPCODE_EOR         16E0           OPCODE_TILLEGAL         1AC2           OPCODE_ISS         1844           OPCODE_ISS         1824           OPCODE_LEA         1ASA           OPCODE_LEA         1ASA           OPCODE_LES         1824           OPCODE_LES         183A           OPCODE_MULS         136E           OPCODE_MULS         136E           OPCODE_NOP         1AB2		
OPCODE_ADDA         15D0           OPCODE_ADDQ         1346           OPCODE_APPENDSIZESUFFIX_B         1D6E           OPCODE_APPENDSIZESUFFIX_B         1D8C           OPCODE_APPENDSIZESUFFIX_L         1DBC           OPCODE_APPENDSIZESUFFIX_L         1DBC           OPCODE_ASL         1850           OPCODE_ASR         1866           OPCODE_BCR         1576           OPCODE_BCS         1A5A           OPCODE_BGE         1A70           OPCODE_BT         1A86           OPCODE_BRA         1A44           OPCODE_BVC         1A9C           OPCODE_CMP         16B8           OPCODE_CMP         16B8           OPCODE_DIVS         1644           OPCODE_DIVS         1644           OPCODE_EOR         16E0           OPCODE_SINISH         1B92           OPCODE_ISI         14D6           OPCODE_ISI         1A62           OPCODE_LEA         1AE2           OPCODE_LEA         1AE2           OPCODE_LISI         1824           OPCODE_MULS         136E           OPCODE_MULS         136E           OPCODE_NOP         1AB2           OPCODE_OR	OPCODE ADD	15F8
OPCODE_ADDQ 1346  OPCODE_APPENDSIZESUFFIX 1D6E  OPCODE_APPENDSIZESUFFIX_B 1D8C  OPCODE_APPENDSIZESUFFIX_L 1DBC  OPCODE_APPENDSIZESUFFIX_L 1DBC  OPCODE_ASL 1850  OPCODE_ASR 1866  OPCODE_BCR 1576  OPCODE_BCR 1576  OPCODE_BCS 1A5A  OPCODE_BCB 1A70  OPCODE_BRA 1A44  OPCODE_BRA 1A44  OPCODE_BNA 1A44  OPCODE_CMP 16B8  OPCODE_CMP 16B8  OPCODE_CMP 16B8  OPCODE_DIVS 1644  OPCODE_DIVS 1644  OPCODE_EOR 16E0  OPCODE_FINISH 1B92  OPCODE_FINISH 1B92  OPCODE_ILLEGAL 1AC2  OPCODE_ILLEGAL 1AC2  OPCODE_LSR 1B86  OPCODE_LSA 1A84  OPCODE_LSA 1A82  OPCODE_LSA 1A82  OPCODE_LSA 1A82  OPCODE_NOP 1AB2  OPCODE_NOP 1AB2  OPCODE_NOP 1AB2  OPCODE_NOP 1AB2  OPCODE_ROR 1806  OPCODE_ROR 1806  OPCODE_ROR 1806  OPCODE_ROR 1806  OPCODE_SIMHALT 1B82  OPCODE_SUB 12D2  OPCODE_SUBQ 131E  ORI_BN 13DC  ORI_END 1424  ORI_L 13B8  ORI_W 1400  OR_DN_EA_DN 168C  OR_EA_DN_EA 1662  OUTFILENAME 21D8  OUTPUT 220B		
OPCODE_APPENDSIZESUFFIX_B 1D8C OPCODE_APPENDSIZESUFFIX_B 1D8C OPCODE_APPENDSIZESUFFIX_L 1D8C OPCODE_ASL 1850 OPCODE_ASR 1866 OPCODE_BCLR 1576 OPCODE_BCS 1A5A OPCODE_BCS 1A5A OPCODE_BCB 1A70 OPCODE_BRA 1A44 OPCODE_BRA 1A44 OPCODE_BRA 1A44 OPCODE_CMP 16B8 OPCODE_CMP 16B8 OPCODE_CMP 16B8 OPCODE_CMP 16B8 OPCODE_DIVS 1644 OPCODE_BCR 14D6 OPCODE_ECRI 14D6 OPCODE_FORI 1A9C OPCODE_INISH 1B92 OPCODE_INISH 1B92 OPCODE_ILEGAL 1AC2 OPCODE_ISR 1B6C OPCODE_LSA 1A82 OPCODE_LSA 1A82 OPCODE_LSA 1A82 OPCODE_LSA 1A82 OPCODE_LSA 1A82 OPCODE_LSA 1A82 OPCODE_MOVEM 1B20 OPCODE_MOVEM 1B20 OPCODE_NOP 1AB2 OPCODE_NOP 1AB2 OPCODE_NOP 1AB2 OPCODE_NOP 1AB2 OPCODE_ROR 166C OPCODE_ROR 166C OPCODE_ROR 1806 OPCODE_ROR 1806 OPCODE_SIMHALT 1B82 OPCODE_SUB 12D2 OPCODE_SUB 12D	_	
OPCODE_APPENDSIZESUFFIX_B 1D8C OPCODE_APPENDSIZESUFFIX_L 1DBC OPCODE_ASL 1850 OPCODE_ASR 1866 OPCODE_BCLR 1576 OPCODE_BCS 1A5A OPCODE_BGE 1A70 OPCODE_BRA 1A44 OPCODE_BRA 1A44 OPCODE_BWC 1A9C OPCODE_CMP 1688 OPCODE_CMP 1688 OPCODE_CMP 1644 OPCODE_DIVS 1664 OPCODE_EOR 1660 OPCODE_EOR 1660 OPCODE_ILLEGAL 1AC2 OPCODE_ILLEGAL 1AC2 OPCODE_LSR 183A OPCODE_LSR 183A OPCODE_LSR 183A OPCODE_MOVEM 1B20 OPCODE_NEG 1B04 OPCODE_NEG 1B04 OPCODE_NEG 1B04 OPCODE_ROL 17F8 OPCODE_ROL 17F8 OPCODE_SUB 12D2 OPCODE_SUB 13DC ORI_END 1424 ORI_L 13B8 ORI_W 1400 OR_DR_EA_DN 168C OR_EA_DN_EA 16A2 OUTFILENAME 21D8 OUTPUT 220B		
OPCODE_APPENDSIZESUFFIX_L OPCODE_APPENDSIZESUFFIX_W OPCODE_ASL 1850 OPCODE_ASR 1866 OPCODE_BCLR 1576 OPCODE_BCS 1A5A OPCODE_BGE 1A70 OPCODE_BGE 1A70 OPCODE_BRA 1A44 OPCODE_BRA 1A44 OPCODE_CMP 16B8 OPCODE_CMP 16B8 OPCODE_CMP 1644 OPCODE_DATA 12BC OPCODE_BOR OPCODE_EOR 16E0 OPCODE_EOR 16E0 OPCODE_FINISH 1B92 OPCODE_ILLEGAL 1AC2 OPCODE_LSR 1B6C OPCODE_LSR 1B6C OPCODE_LSR 1B3A OPCODE_LSR 1B3A OPCODE_MULS 136E OPCODE_MULS 136E OPCODE_NEG 1B04 OPCODE_NOP 1AB2 OPCODE_RO OPCODE_RO OPCODE_RO 1396 OPCODE_RO 1396 OPCODE_RO 1406 OPCODE_RO 1396 OPCODE_RO 1396 OPCODE_RO 1396 OPCODE_SIMHALT 1B82 OPCODE_SUBQ 131E ORI_B 0RI_B 13DC ORI_END 1424 ORI_L 13B8 ORI_W 1400 OR_DN_EA_DN 168C OR_EA_DN_EA 1662 OPC_BAS ON_EA_DN 168C OR_EA_DN_EA 1662 OR_EA_DN_EA 1664		
OPCODE_ASI         1850           OPCODE_ASR         1866           OPCODE_BCLR         1576           OPCODE_BCS         1A5A           OPCODE_BGE         1A70           OPCODE_BLT         1A86           OPCODE_BRA         1A44           OPCODE_BWC         1A9C           OPCODE_CMP         16B8           OPCODE_CMPI         1436           OPCODE_DATA         12BC           OPCODE_DIVS         1644           OPCODE_BOR         16E0           OPCODE_EOR         16E0           OPCODE_EORI         14D6           OPCODE_INISH         1B92           OPCODE_INISH         1B92           OPCODE_INISH         1B92           OPCODE_ISR         1B6C           OPCODE_ISR         1B6C           OPCODE_LEA         1AE2           OPCODE_LES         183A           OPCODE_MOVEM         1B20           OPCODE_MULS         136E           OPCODE_NEG         1B04           OPCODE_OR         166C           OPCODE_OR         166C           OPCODE_ROR         180E           OPCODE_ROR         180E           OPCODE_SUB	OPCODE_APPENDSIZESUE	FIX_B IDBC
OPCODE_ASI         1850           OPCODE_ASR         1866           OPCODE_BCLR         1576           OPCODE_BCS         1A5A           OPCODE_BGE         1A70           OPCODE_BLT         1A86           OPCODE_BRA         1A44           OPCODE_BWC         1A9C           OPCODE_CMP         16B8           OPCODE_CMPI         1436           OPCODE_DATA         12BC           OPCODE_DIVS         1644           OPCODE_BOR         16E0           OPCODE_EOR         16E0           OPCODE_EORI         14D6           OPCODE_INISH         1B92           OPCODE_INISH         1B92           OPCODE_INISH         1B92           OPCODE_ISR         1B6C           OPCODE_ISR         1B6C           OPCODE_LEA         1AE2           OPCODE_LES         183A           OPCODE_MOVEM         1B20           OPCODE_MULS         136E           OPCODE_NEG         1B04           OPCODE_OR         166C           OPCODE_OR         166C           OPCODE_ROR         180E           OPCODE_ROR         180E           OPCODE_SUB	OPCODE_APPENDSIZESUF	FIX_L IDBC
OPCODE_BCLR 1576 OPCODE_BCS 1A5A OPCODE_BGE 1A70 OPCODE_BGE 1A70 OPCODE_BLT 1A86 OPCODE_BRA 1A44 OPCODE_BVC 1A9C OPCODE_CMP 16B8 OPCODE_CMP 16B8 OPCODE_DATA 12BC OPCODE_BOR 16E0 OPCODE_EOR 16E0 OPCODE_EOR 16E0 OPCODE_EOR 16E0 OPCODE_FINISH 1B92 OPCODE_ILLEGAL 1AC2 OPCODE_LSR 1B6C OPCODE_LSR 1B6C OPCODE_LSR 183A OPCODE_LSR 183A OPCODE_LSR 1B6C OPCODE_MOVEM 1B20 OPCODE_MOVEM 1B20 OPCODE_NOP 1AB2 OPCODE_NOP 1AB2 OPCODE_OR 166C OPCODE_ROR 1806 OPCODE_ROR 1806 OPCODE_ROR 1806 OPCODE_ROR 1806 OPCODE_ROR 1806 OPCODE_SIMHALT 1B82 OPCODE_SUBQ 131E ORI_BND 1424 ORI_B 13DC ORI_END 1424 ORI_L 13B8 ORI_W 1400 OR_DN_EA DN 168C OR_EA_DN_EA 16A2 OUTPUT 220B		
OPCODE_BCLR OPCODE_BCS OPCODE_BGE OPCODE_BGE OPCODE_BLT OPCODE_BLT OPCODE_BRA OPCODE_BRA OPCODE_BVC OPCODE_CMP OPCODE_CMP OPCODE_CMP OPCODE_DATA OPCODE_DIVS OPCODE_DIVS OPCODE_EOR OPCODE_EOR OPCODE_EOR OPCODE_FINISH OPCODE_ILLEGAL OPCODE_JSR OPCODE_ILLEGAL OPCODE_LSA OPCODE_LSA OPCODE_LSA OPCODE_LSA OPCODE_LSA OPCODE_MOVEM OPCODE_MOVEM OPCODE_MOVEM OPCODE_NOP OPCODE_NOP OPCODE_NOP OPCODE_NOP OPCODE_NOP OPCODE_ROR OPCODE_ROR OPCODE_ROR OPCODE_ROR OPCODE_ROR OPCODE_ROR OPCODE_ROR OPCODE_SIMHALT OPCODE_SUBQ OPCODE_SUBQ OPCILED ORI OPCODE_SUBQ ORI_BO ORI_B ORI_BA ORI_BA ORI_BA ORI_BA ORI_BA ORI_BA ORI_BA OUTPUT OPCODE ORI ORI BA OUTPUT OPCODE OPCODE ORI ORI BA ORI_BA ORI_BA ORI_BA OUTPUT	_	
OPCODE_BGE	_	
OPCODE_BGE         1A70           OPCODE_BLT         1A86           OPCODE_BRA         1A44           OPCODE_BVC         1A9C           OPCODE_CMP         16B8           OPCODE_CMPI         1436           OPCODE_DATA         12BC           OPCODE_DOTVS         1644           OPCODE_EOR         16E0           OPCODE_EORI         14D6           OPCODE_FINISH         1B92           OPCODE_ILLEGAL         1AC2           OPCODE_JSR         1B6C           OPCODE_LEA         1AE2           OPCODE_LSL         1824           OPCODE_LSR         183A           OPCODE_MOVEM         1B20           OPCODE_MULS         136E           OPCODE_NUEG         1B04           OPCODE_NOP         1AB2           OPCODE_OR         166C           OPCODE_OR         166C           OPCODE_ROR         180E           OPCODE_ROR         180E           OPCODE_SUB         12D2           OPCODE_SUB         12D2           OPCODE_SUB         12D2           OPCODE_SUBQ         131E           ORI_END         1424           ORI_END <td><u> </u></td> <td></td>	<u> </u>	
OPCODE_BRA         1A44           OPCODE_BVC         1A9C           OPCODE_CMP         16B8           OPCODE_CMPI         1436           OPCODE_DATA         12BC           OPCODE_DIVS         1644           OPCODE_EOR         16E0           OPCODE_EORI         14D6           OPCODE_FINISH         1B92           OPCODE_JSR         1B6C           OPCODE_JSR         1B6C           OPCODE_LEA         1AE2           OPCODE_LS         1824           OPCODE_MOVEM         1B20           OPCODE_MULS         136E           OPCODE_NEG         1B04           OPCODE_NOP         1AB2           OPCODE_OR         166C           OPCODE_OR         166C           OPCODE_ROI         17F8           OPCODE_ROI         17F8           OPCODE_SUB         12D2           OPCODE_SUB         12D2           OPCODE_SUB         12D2           OPCODE_SUB         13DC           ORI_END         1424           ORI_END         1424           ORI_END         1424           ORI_END         1424           ORI_END         14	_	
OPCODE_BRA       1A44         OPCODE_BVC       1A9C         OPCODE_CMP       16B8         OPCODE_CMPI       1436         OPCODE_DATA       12BC         OPCODE_BOR       16E0         OPCODE_EOR       16E0         OPCODE_EORI       14D6         OPCODE_FINISH       1B92         OPCODE_ILLEGAL       1AC2         OPCODE_JSR       1B6C         OPCODE_LEA       1AE2         OPCODE_LSL       1824         OPCODE_LSR       183A         OPCODE_MOVEM       1B20         OPCODE_MULS       136E         OPCODE_NEG       1B04         OPCODE_NEG       1B04         OPCODE_OR       166C         OPCODE_OR       166C         OPCODE_ROR       180E         OPCODE_ROR       180E         OPCODE_SUB       12D2         OPCODE_SUB       12D2         OPCODE_SUB       12D2         OPCODE_SUBQ       131E         ORI_END       1424         ORI_END       1424         ORI_END       1424         ORI_END       1424         ORI_END       1424         ORI	<del>_</del>	1A70
OPCODE_BVC         1A9C           OPCODE_CMP         16B8           OPCODE_CMPI         1436           OPCODE_DATA         12BC           OPCODE_BOR         16E0           OPCODE_EOR         14D6           OPCODE_FINISH         1B92           OPCODE_ILLEGAL         1AC2           OPCODE_JSR         1B6C           OPCODE_LEA         1AE2           OPCODE_LSL         1824           OPCODE_LSR         183A           OPCODE_MOVEM         1B20           OPCODE_NEG         1B04           OPCODE_NEG         1B04           OPCODE_NOP         1AB2           OPCODE_OR         166C           OPCODE_ROR         166C           OPCODE_ROR         180E           OPCODE_ROR         180E           OPCODE_SUB         12D2           OPCODE_SUB         12D2           OPCODE_SUBQ         131E           ORI_B         13DC           ORI_END         1424           ORI_END         1424           ORI_END         1424           ORI_END         1424           ORI_END         1424           ORI_END         1424 </td <td></td> <td>1A86</td>		1A86
OPCODE_CMP	OPCODE_BRA	1A44
OPCODE_CMP	OPCODE_BVC	1A9C
OPCODE_CMPI 1436 OPCODE_DATA 12BC OPCODE_DIVS 1644 OPCODE_EOR 16E0 OPCODE_EORI 14D6 OPCODE_FINISH 1B92 OPCODE_ILLEGAL 1AC2 OPCODE_JSR 1B6C OPCODE_LSA 1AE2 OPCODE_LSA 1824 OPCODE_LSA 183A OPCODE_MOVEM 1B20 OPCODE_MULS 136E OPCODE_NEG 1B04 OPCODE_NOP 1AB2 OPCODE_OR 166C OPCODE_OR 1896 OPCODE_ROR 180E OPCODE_ROR 180E OPCODE_ROR 180E OPCODE_ROR 180E OPCODE_SIMHALT 1B82 OPCODE_SUBQ 131E ORI_B 13DC ORI_END 1424 ORI_L 13B8 ORI_W 1400 OR_DN_EA_DN 168C OR_EA_DN_EA 16A2 OUTFILENAME 21D8 OUTPUT 220B	OPCODE CMP	16B8
OPCODE_DATA         12BC           OPCODE_DIVS         1644           OPCODE_EOR         16E0           OPCODE_EORI         14D6           OPCODE_FINISH         1B92           OPCODE_ILLEGAL         1AC2           OPCODE_JSR         1B6C           OPCODE_LEA         1AE2           OPCODE_LSL         1824           OPCODE_LSR         183A           OPCODE_MOVEM         1B20           OPCODE_MULS         136E           OPCODE_NEG         1B04           OPCODE_NOP         1AB2           OPCODE_OR         166C           OPCODE_ROL         17F8           OPCODE_ROL         17F8           OPCODE_ROR         180E           OPCODE_ROR         180E           OPCODE_SUB         12D2           OPCODE_SUB         12D2           OPCODE_SUBQ         131E           ORI_B         1424           ORI_B         1424           ORI_L         13B8           ORI_L         13B8           ORI_H         1400           OR_DN_EA_DN         168C           OR_EA_DN_EA         16A2           OUTFILENAME         21D		1436
OPCODE_DIVS		
OPCODE_EOR       16E0         OPCODE_EORI       14D6         OPCODE_FINISH       1B92         OPCODE_ILLEGAL       1AC2         OPCODE_JSR       1B6C         OPCODE_LEA       1AE2         OPCODE_LSL       1824         OPCODE_LSR       183A         OPCODE_MOVEM       1B20         OPCODE_MULS       136E         OPCODE_NEG       1B04         OPCODE_NPO       1AB2         OPCODE_OR       166C         OPCODE_ORI       1396         OPCODE_ROL       17F8         OPCODE_ROR       180E         OPCODE_ROR       180E         OPCODE_SIMHALT       1B82         OPCODE_SUB       12D2         OPCODE_SUB       12D2         OPCODE_SUBQ       131E         ORI_B       13DC         ORI_END       1424         ORI_L       13B8         ORI_W       1400         OR_DN_EA_DN       168C         OR_EA_DN_EA       16A2         OUTFILENAME       21D8         OUTPUT       220B		
OPCODE_EORI         14D6           OPCODE_FINISH         1892           OPCODE_ILLEGAL         1AC2           OPCODE_JSR         1B6C           OPCODE_LEA         1AE2           OPCODE_LSL         1824           OPCODE_LSR         183A           OPCODE_MOVEM         1B20           OPCODE_MULS         136E           OPCODE_NEG         1B04           OPCODE_NOP         1AB2           OPCODE_OR         166C           OPCODE_ORI         1396           OPCODE_ROL         17F8           OPCODE_ROR         180E           OPCODE_ROR         180E           OPCODE_SIMHALT         1B82           OPCODE_SUB         12D2           OPCODE_SUBQ         131E           ORI_B         13DC           ORI_END         1424           ORI_L         13B8           ORI_W         1400           OR_DN_EA_DN         168C           OR_EA_DN_EA         16A2           OUTFILENAME         21D8           OUTPUT         220B		
OPCODE_FINISH 1B92 OPCODE_ILLEGAL 1AC2 OPCODE_JSR 1B6C OPCODE_LEA 1AE2 OPCODE_LSL 1824 OPCODE_LSR 183A OPCODE_MOVEM 1B20 OPCODE_MULS 136E OPCODE_NEG 1B04 OPCODE_NOP 1AB2 OPCODE_OR 166C OPCODE_OR 166C OPCODE_ROL 17F8 OPCODE_ROL 17F8 OPCODE_ROR 180E OPCODE_RTS 1AD2 OPCODE_SIMHALT 1B82 OPCODE_SUB 12D2 OPCODE_SUB 12D2 OPCODE_SUBQ 131E ORI_B 13DC ORI_END 1424 ORI_L 13B8 ORI_W 1400 OR_DN_EA_DN 168C OR_EA_DN_EA 16A2 OUTFILENAME 21D8 OUTPUT 220B		
OPCODE_ILLEGAL 1AC2 OPCODE_JSR 1B6C OPCODE_LEA 1AE2 OPCODE_LSL 1824 OPCODE_LSR 183A OPCODE_MOVEM 1B20 OPCODE_MULS 136E OPCODE_NEG 1B04 OPCODE_NOP 1AB2 OPCODE_OR 166C OPCODE_OR 166C OPCODE_ROL 17F8 OPCODE_ROL 17F8 OPCODE_ROR 180E OPCODE_RTS 1AD2 OPCODE_SIMHALT 1B82 OPCODE_SUB 12D2 OPCODE_SUB 12D2 OPCODE_SUBQ 131E ORI_B 13DC ORI_END 1424 ORI_L 13B8 ORI_W 1400 OR_DN_EA_DN 168C OR_EA_DN_EA 16A2 OUTFILENAME 21D8 OUTPUT 220B	_	
OPCODE_JSR 1B6C OPCODE_LEA 1AE2 OPCODE_LSL 1824 OPCODE_LSR 183A OPCODE_MOVEM 1B20 OPCODE_MULS 136E OPCODE_NEG 1B04 OPCODE_NOP 1AB2 OPCODE_OR 166C OPCODE_OR 1396 OPCODE_ROL 17F8 OPCODE_ROR 180E OPCODE_RTS 1AD2 OPCODE_SIMHALT 1B82 OPCODE_SIMHALT 1B82 OPCODE_SUBQ 131E ORI_B 13DC ORI_B 13DC ORI_END 1424 ORI_L 13B8 ORI_L 13B8 ORI_W 1400 OR_DN_EA_DN 168C OR_EA_DN_EA 16A2 OUTFILENAME 21D8 OUTPUT 220B		
OPCODE_LEA 1AE2 OPCODE_LSL 1824 OPCODE_LSR 183A OPCODE_MOVEM 1B20 OPCODE_MULS 136E OPCODE_NEG 1B04 OPCODE_NOP 1AB2 OPCODE_OR 166C OPCODE_OR 1396 OPCODE_ROL 17F8 OPCODE_ROL 17F8 OPCODE_ROR 180E OPCODE_RTS 1AD2 OPCODE_SIMHALT 1B82 OPCODE_SUB 12D2 OPCODE_SUB 12D2 OPCODE_SUBQ 131E ORI_B 13DC ORI_END 1424 ORI_L 13B8 ORI_W 1400 OR_DN_EA_DN 168C OR_EA_DN_EA 16A2 OUTFILENAME 21D8 OUTPUT 220B		
OPCODE_LSL		
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OPCODE_MOVEM 1B20 OPCODE_MULS 136E OPCODE_NEG 1B04 OPCODE_NOP 1AB2 OPCODE_OR 166C OPCODE_OR 1396 OPCODE_ORI 1396 OPCODE_ROL 17F8 OPCODE_ROR 180E OPCODE_RTS 1AD2 OPCODE_SIMHALT 1B82 OPCODE_SUB 12D2 OPCODE_SUB 12D2 OPCODE_SUBQ 131E ORI_B 13DC ORI_END 1424 ORI_L 13B8 ORI_W 1400 OR_DN_EA_DN 168C OR_EA_DN_EA 16A2 OUTFILENAME 21D8 OUTPUT 220B		
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OPCODE_NEG 1B04 OPCODE_NOP 1AB2 OPCODE_OR 166C OPCODE_OR 1396 OPCODE_ROL 17F8 OPCODE_ROR 180E OPCODE_RTS 1AD2 OPCODE_SIMHALT 1B82 OPCODE_SUB 12D2 OPCODE_SUB 12D2 OPCODE_SUBQ 131E ORI_B 13DC ORI_END 1424 ORI_L 13B8 ORI_W 1400 OR_DN_EA_DN 168C OR_EA_DN_EA 16A2 OUTFILENAME 21D8 OUTPUT 220B	_	
OPCODE_NOP 1AB2 OPCODE_OR 166C OPCODE_ORI 1396 OPCODE_ROL 17F8 OPCODE_ROR 180E OPCODE_RTS 1AD2 OPCODE_SIMHALT 1B82 OPCODE_SUB 12D2 OPCODE_SUB 12D2 OPCODE_SUBQ 131E ORI_B 13DC ORI_END 1424 ORI_L 13B8 ORI_W 1400 OR_DN_EA_DN 168C OR_EA_DN_EA 16A2 OUTFILENAME 21D8 OUTPUT 220B		136E
OPCODE_OR 166C OPCODE_ORI 1396 OPCODE_ROL 17F8 OPCODE_ROR 180E OPCODE_RTS 1AD2 OPCODE_SIMHALT 1B82 OPCODE_SUB 12D2 OPCODE_SUB 131E ORI_B 13DC ORI_END 1424 ORI_L 13B8 ORI_W 1400 OR_DN_EA_DN 168C OR_EA_DN_EA 16A2 OUTFILENAME 21D8 OUTPUT 220B	<u> </u>	
OPCODE_ORI 1396 OPCODE_ROL 17F8 OPCODE_ROR 180E OPCODE_RTS 1AD2 OPCODE_SIMHALT 1B82 OPCODE_SUB 12D2 OPCODE_SUBQ 131E ORI_B 13DC ORI_END 1424 ORI_L 13B8 ORI_W 1400 OR_DN_EA_DN 168C OR_EA_DN_EA 16A2 OUTFILENAME 21D8 OUTPUT 220B	OPCODE_NOP	1AB2
OPCODE_ROL 17F8 OPCODE_ROR 180E OPCODE_RTS 1AD2 OPCODE_SIMHALT 1B82 OPCODE_SUB 12D2 OPCODE_SUBQ 131E ORI_B 13DC ORI_END 1424 ORI_L 13B8 ORI_W 1400 OR_DN_EA_DN 168C OR_EA_DN_EA 16A2 OUTFILENAME 21D8 OUTPUT 220B	OPCODE_OR	166C
OPCODE_ROL 17F8 OPCODE_ROR 180E OPCODE_RTS 1AD2 OPCODE_SIMHALT 1B82 OPCODE_SUB 12D2 OPCODE_SUBQ 131E ORI_B 13DC ORI_END 1424 ORI_L 13B8 ORI_W 1400 OR_DN_EA_DN 168C OR_EA_DN_EA 16A2 OUTFILENAME 21D8 OUTPUT 220B	<u> </u>	1396
OPCODE_ROR 180E OPCODE_RTS 1AD2 OPCODE_SIMHALT 1B82 OPCODE_SUB 12D2 OPCODE_SUBQ 131E ORI_B 13DC ORI_END 1424 ORI_L 13B8 ORI_U 1400 OR_DN_EA_DN 168C OR_EA_DN_EA 16A2 OUTFILENAME 21D8 OUTPUT 220B		
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OPCODE_SIMHALT 1B82 OPCODE_SUB 12D2 OPCODE_SUBQ 131E ORI_B 13DC ORI_END 1424 ORI_L 13B8 ORI_W 1400 OR_DN_EA_DN 168C OR_EA_DN_EA 16A2 OUTFILENAME 21D8 OUTPUT 220B		
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OPCODE_SUBQ 131E ORI_B 13DC ORI_END 1424 ORI_L 13B8 ORI_W 1400 OR_DN_EA_DN 168C OR_EA_DN_EA 16A2 OUTFILENAME 21D8 OUTPUT 220B	_	
ORI_B 13DC ORI_END 1424 ORI_L 13B8 ORI_W 1400 OR_DN_EA_DN 168C OR_EA_DN_EA 16A2 OUTFILENAME 21D8 OUTPUT 220B	_	
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