

SecurID. PRC

```

00000000 00000001          DC.W #0,#1
;-----
00000004 4e560000          LINK A6,#0
00000008 610025de          BSR L326
0000000c 4e5e          UNLK A6
0000000e 4e75          RTS
;-----
00000010 4e560000          L1 LINK A6,#0
00000014 102e0008          MOVE.B8(A6),D0
00000018 194000d8          MOVE.BD0,216(A4)
0000001c 6608          BNE L2
0000001e 3f3c04b0          0 MOVE.W#$4b0,-(SP)
00000022 60000006          BRA L3
00000026 3f3c0640          L2 MOVE.W#$640,-(SP)
0000002a 4e4fa19c          L3 TRAP #15
0000002e          DC.W sysTrapFrmPopupForm
0000002e 4e5e          UNLK A6
00000030 4e75          RTS
;-----
00000032 4e560000          L4 LINK A6,#0
00000036 297801e20000      MOVE.L$01e2.W,0(A4)
0000003c 3f3c05dc          MOVE.W#$5dc,-(SP)
00000040 2f3c4e464e54      MOVE.L#$4e464e54,-(SP)
00000046 4e4fa05f          TRAP #15
0000004a          DC.W sysTrapDmGetResource
0000004a 2008          MOVE.LA0,D0
0000004c 29400004          MOVE.LD0,4(A4)
00000050 5c4f          ADDQ.W#6,SP
00000052 670e          BEQ L5
00000054 2f00          MOVE.LD0,-(SP)
00000056 4e4fa021          TRAP #15
0000005a          DC.W sysTrapMemHandleLock
0000005a 2008          MOVE.LA0,D0
0000005c 6704          BEQ L5
0000005e 21c001e2          MOVE.LD0,$01e2.W
00000062 4e5e          L5 UNLK A6
00000064 4e75          RTS
;-----
00000066 4e560000          L6 LINK A6,#0
0000006a 2f0a          MOVE.LA2,-(SP)
0000006c 41ec0000          LEA 0(A4),A0
00000070 2010          MOVE.L(A0),D0
00000072 6706          BEQ L7
00000074 21c001e2          MOVE.LD0,$01e2.W
00000078 4290          CLR.L(A0)
0000007a 45ec0004          L7 LEA 4(A4),A2
0000007e 2012          MOVE.L(A2),D0
00000080 670e          BEQ L8
00000082 2f00          MOVE.LD0,-(SP)
00000084 4e4fa022          TRAP #15
00000088          DC.W sysTrapMemHandleUnlock
00000088 2f12          MOVE.L(A2,-(SP)
0000008a 4e4fa061          TRAP #15
0000008e          DC.W sysTrapDmReleaseResource
0000008e 4292          CLR.L(A2)
00000090 246efffc          L8 MOVEA.L -4(A6),A2
00000094 4e5e          UNLK A6
00000096 4e75          RTS
;-----
00000098 456e74657220796f7572  L9 DC.B 'Enter your
passphrase to unlock your SecurID authentication key:'
000000a2 20706173737068726173
000000ac 6520746f20756e6c6f63
000000b6 6b20796f757220536563
000000c0 75724944206175746865
000000ca 6e7469636174696f6e20

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Popup passphrase
enter form
change

NFNT

get font resource type

Enter Passphrase form

```

000000d4 6b65793a
000000d8 00
000000d9 00
000000da 4e560000
000000de 48e71e20
000000e2 246e0008
000000e6 4204
000000e8 2c0c
000000ea 284d
000000ec 99fc00000378
000000f2 4e4fa173
000000f6 2a08
000000f8 3012
000000fa 5940
000000fc 0c400018
00000100 620002b0
00000104 02800000ffff
0000010a 41fa000c
0000010e d080
00000110 30300800
00000114 4efb0002
00000118 00e8029a
0000011c 029a029a
00000120 029a015e
00000124 029a029a
00000128 029a029a
0000012c 029a029a
00000130 029a00ca
00000134 029a029a
00000138 029a0154029a
0000013e 029a0032029a
00000144 029a029a00c2
0000014a 6100fee6
0000014e 3f3c04ba
00000152 2f05
00000154 4e4fa180
00000158 00000158
00000158 3f00
0000015a 2f05
0000015c 4e4fa183
00000160 00000160
00000162 2608
00000164 3f3c04b1
00000166 2f05
00000168 4e4fa180
0000016c 0000016c
0000016e 3f00
00000170 2f05
00000172 4e4fa183
00000174 00000174
00000174 43faff22
00000178 2f09
0000017a 2f08
0000017c 6100087e
00000180 defc0020
00000184 3f3c04bb
00000188 2f05
0000018a 4e4fa180
0000018e 0000018e
0000018e 3f00
00000190 2f05
00000192 4e4fa183
00000196 00000196
00000196 4267
00000198 2f08

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L10 DC.B #0
L11 DC.B #0
LINK A6,#0
MOVEM.L D3-D6/A2,-(SP)
MOVEA.L 8(A6),A2
CLR.B D4
MOVE.LA4,D6
MOVEA.L A5,A4
SUBA.L#$378,A4
TRAP #15
DC.W sysTrapFrmGetActiveForm
MOVE.LA0,D5
MOVE.W(A2),D0
SUBQ.W#4,D0
CMPI.W#$18,D0
BHI L29
ANDI.L#$ffff,D0
LEA L12,A0
ADD.L D0,D0
MOVE.W0(A0,D0.L),D0
JMP 4(PC,D0.W)
DC.W #232,#666
DC.W #666,#666
DC.W #666,#350
DC.W #666,#666
DC.W #666,#666
DC.W #666,#666
DC.W #666,#202
DC.W #666,#666
ANDI.L#$154029a,(A2)+
ANDI.L#$32029a,(A2)+
ANDI.L#$29a00c2,(A2)+
BSR L4
MOVE.W#$4ba,-(SP)
MOVE.LD5,-(SP)
TRAP #15
DC.W sysTrapFrmGetObjectIndex
MOVE.WD0,-(SP)
MOVE.LD5,-(SP)
TRAP #15
DC.W sysTrapFrmGetObjectPtr
MOVE.LA0,D3
MOVE.W#$4b1,-(SP)
MOVE.LD5,-(SP)
TRAP #15
DC.W sysTrapFrmGetObjectIndex
MOVE.WD0,-(SP)
MOVE.LD5,-(SP)
TRAP #15
DC.W sysTrapFrmGetObjectPtr
LEA L9,A1
MOVE.LA1,-(SP)
MOVE.LA0,-(SP)
BSR L74
ADDA.W#$20,SP
MOVE.W#$4bb,-(SP)
MOVE.LD5,-(SP)
TRAP #15
DC.W sysTrapFrmGetObjectIndex
MOVE.WD0,-(SP)
MOVE.LD5,-(SP)
TRAP #15
DC.W sysTrapFrmGetObjectPtr
CLR.W -(SP)
MOVE.LA0,-(SP)

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0000019a	4e4fa112		TRAP #15	00000242	4e4fa14d		TRAP #15
0000019e		DC.W	sysTrapCtlSetValue	00000246			DC.W sysTrapFldScrollable
0000019e	defc0012		ADDA.W#\$12, SP	00000246	5c4f		ADDQ.W#6, SP
000001a2	4227		CLR.B -(SP)	00000248	4a00		TST.B D0
000001a4	2f03		MOVE.LD3, -(SP)	0000024a	6710		BEQ L15
000001a6	4e4fa141		TRAP #15	0000024c	1f3c0001		MOVE.B#1, -(SP)
000001aa		DC.W	sysTrapFldSetFont	00000250	3f3c0001	L14	MOVE.W#1, -(SP)
000001aa	2f05		MOVE.LD5, -(SP)	00000254	2f03		MOVE.LD3, -(SP)
000001ac	4e4fa171		TRAP #15	00000256	4e4fa14c		TRAP #15
000001b0		DC.W	sysTrapFrmDrawForm	0000025a			DC.W sysTrapFldScrollField
000001b0	defc000a		ADDA.W#\$a, SP	0000025a	504f		ADDQ.W#8, SP
000001b4	1f3c0001		MOVE.B#1, -(SP)	0000025c	183c0001	L15	MOVE.B#1, D4
000001b8	4e4fa29d		TRAP #15	00000260	2f03	L16	MOVE.LD3, -(SP)
000001bc		DC.W	sysTrapGsiEnable	00000262	2f05		MOVE.LD5, -(SP)
000001bc	2f03		MOVE.LD3, -(SP)	00000264	6100068e		BSR L64
000001be	2f05		MOVE.LD5, -(SP)	00000268	60000148		BRA L29
000001c0	61000732		BSR L64	0000026c	42a7		CLR.L -(SP)
000001c4	3f3c04ba		MOVE.W#\$4ba, -(SP)	0000026e	4e4falcl		TRAP #15
000001c8	2f05		MOVE.LD5, -(SP)	00000272			DC.W sysTrapMenuEraseStatus
000001ca	4e4fa180		TRAP #15	00000272	6000013a		BRA L28
000001ce		DC.W	sysTrapFrmGetObjectIndex	00000276	3f3c04ba		MOVE.W#\$4ba, -(SP)
000001ce	3f00		MOVE.WD0, -(SP)	0000027a	2f05		MOVE.LD5, -(SP)
000001d0	2f05		MOVE.LD5, -(SP)	0000027c	4e4fal80		TRAP #15
000001d2	4e4fa179		TRAP #15	00000280			DC.W sysTrapFrmGetObjectIndex
000001d6		DC.W	sysTrapFrmSetFocus	00000280	3f00		MOVE.WD0, -(SP)
000001d6	600001d6		BRA L28	00000282	2f05		MOVE.LD5, -(SP)
000001da	6100fe8a		BSR L6	00000284	4e4fal83		TRAP #15
000001de	600001d2		BRA L29	00000288			DC.W sysTrapFrmGetObjectPtr
000001e2	3f3c04ba		MOVE.W#\$4ba, -(SP)	00000288	2608		MOVE.LA0, D3
000001e6	2f05		MOVE.LD5, -(SP)	0000028a	defc000c		ADDA.W#\$c, SP
000001e8	4e4fa180		TRAP #15	0000028e	302a0008		MOVE.W8(A2), D0
000001ec		DC.W	sysTrapFrmGetObjectIndex	00000292	0c4004bb		CMPI.W#\$4bb, D0
000001ec	3f00		MOVE.WD0, -(SP)	00000296	6758		BEQ L20
000001ee	2f05		MOVE.LD5, -(SP)	00000298	6210		BHI L17
000001f0	4e4fa183		TRAP #15	0000029a	0c4003f3		CMPI.W#\$3f3, D0
000001f4		DC.W	sysTrapFrmGetObjectPtr	0000029e	671e		BEQ L18
000001f4	2f08		MOVE.LA0, -(SP)	000002a0	0c4003f4		CMPI.W#\$3f4, D0
000001f6	2f05		MOVE.LD5, -(SP)	000002a4	6730		BEQ L19
000001f8	610006fa		BSR L64	000002a6	6000010a		BRA L29
000001fc	600001b0		BRA L28	000002aa	0c4004c4	L17	CMPI.W#\$4c4, D0
00000200	3f3c04ba		MOVE.W#\$4ba, -(SP)	000002ae	670000ac		BEQ L23
00000204	2f05		MOVE.LD5, -(SP)	000002b2	0c4004c5		CMPI.W#\$4c5, D0
00000206	4e4fa180		TRAP #15	000002b6	670000e2		BEQ L25
0000020a		DC.W	sysTrapFrmGetObjectIndex	000002ba	600000f6		BRA L29
0000020a	3f00		MOVE.WD0, -(SP)	000002be	4227	L18	CLR.B -(SP)
0000020c	2f05		MOVE.LD5, -(SP)	000002c0	3f3c0001		MOVE.W#1, -(SP)
0000020e	4e4fa183		TRAP #15	000002c4	2f03		MOVE.LD3, -(SP)
00000212		DC.W	sysTrapFrmGetObjectPtr	000002c6	4e4fa14c		TRAP #15
00000212	2608		MOVE.LA0, D3	000002ca			DC.W sysTrapFldScrollField
00000214	302a0008		MOVE.W8(A2), D0	000002ca	2f03		MOVE.LD3, -(SP)
00000218	defc000c		ADDA.W#\$c, SP	000002cc	2f05		MOVE.LD5, -(SP)
0000021c	0c40000b		CMPI.W#\$b, D0	000002ce	61000624		BSR L64
00000220	6614		BNE L13	000002d2	600000da		BRA L28
00000222	4227		CLR.B -(SP)	000002d6	1f3c0001	L19	MOVE.B#1, -(SP)
00000224	2f03		MOVE.LD3, -(SP)	000002da	3f3c0001		MOVE.W#1, -(SP)
00000226	4e4fa14d		TRAP #15	000002de	2f03		MOVE.LD3, -(SP)
0000022a		DC.W	sysTrapFldScrollable	000002e0	4e4fa14c		TRAP #15
0000022a	5c4f		ADDQ.W#6, SP	000002e4			DC.W sysTrapFldScrollField
0000022c	4a00		TST.B D0	000002e4	2f03		MOVE.LD3, -(SP)
0000022e	672c		BEQ L15	000002e6	2f05		MOVE.LD5, -(SP)
00000230	4227		CLR.B -(SP)	000002e8	6100060a		BSR L64
00000232	6000001c		BRA L14	000002ec	600000c0		BRA L28
00000236	0c40000c	L13	CMPI.W#\$c, D0	000002f0	3f00	L20	MOVE.WD0, -(SP)
0000023a	6624		BNE L16	000002f2	2f05		MOVE.LD5, -(SP)
0000023c	1f3c0001		MOVE.B#1, -(SP)	000002f4	4e4fa180		TRAP #15
00000240	2f03		MOVE.LD3, -(SP)	000002f8			DC.W sysTrapFrmGetObjectIndex

000002f8	3f00	MOVE.WD0,-(SP)	00000392	3f3c0460	MOVE.W#\$460,-(SP)
000002fa	2f05	MOVE.LD5,-(SP)	00000396	60000006	BRA L26
000002fc	4e4fa183	TRAP #15	0000039a	3f3c046a	MOVE.W#\$46a,-(SP)
00000300		DC.W sysTrapFrmGetObjectPtr	0000039e	4e4fa192	TRAP #15
00000300	2808	MOVE.LA0,D4	000003a2		DC.W sysTrapFrmAlert
00000302	3f3c04ba	MOVE.W#\$4ba,-(SP)	000003a2	544f	ADDQ.W#2,SP
00000306	2f05	MOVE.LD5,-(SP)	000003a4	6100fcc0	BSR L6
00000308	4e4fa180	TRAP #15	000003a8	4267	CLR.W -(SP)
0000030c		DC.W sysTrapFrmGetObjectIndex	000003aa	4e4fa19e	TRAP #15
0000030c	3f00	MOVE.WD0,-(SP)	000003ae		DC.W sysTrapFrmReturnToForm
0000030e	2f05	MOVE.LD5,-(SP)	000003ae	183c0001	MOVE.B#1,D4
00000310	4e4fa183	TRAP #15	000003b2	2846	MOVEA.L D6,A4
00000314		DC.W sysTrapFrmGetObjectPtr	000003b4	3004	MOVE.WD4,D0
00000314	2608	MOVE.LA0,D3	000003b6	02400001	ANDI.W#1,D0
00000316	2f04	MOVE.LD4,-(SP)	000003ba	4cee0478ffec	MOVEM.L -20(A6),D3-D6/A2
00000318	4e4fa111	TRAP #15	000003c0	4e5e	UNLK A6
0000031c		DC.W sysTrapCtlGetValue	000003c2	4e75	RTS
0000031c	3800	MOVE.WD0,D4	-----		
0000031e	defc001c	ADDA.W#\$1c,SP	000003c4	456e7465722061206e65	L30 DC.B 'Enter a new
00000322	4200	CLR.B D0	passphrase to protect your SecurID'		
00000324	4a44	TST.W D4	000003ce	77207061737370687261	
00000326	6704	BEQ L21	000003d8	736520746f2070726f74	
00000328	103c0004	MOVE.B#4,D0	000003e2	65637420796f75722053	
0000032c	1f00	MOVE.BD0,-(SP)	000003ec	65637572494420	
0000032e	2f03	MOVE.LD3,-(SP)	000003f3	00	DC.B #0
00000330	4e4fa141	TRAP #15	000003f4	52652d656e746572206e	L31 DC.B 'Re-enter new
00000334		DC.W sysTrapFldSetFont	passphrase'		
00000334	5c4f	ADDQ.W#6,SP	000003fe	65772070617373706872	
00000336	4a44	TST.W D4	00000408	617365	
00000338	670a	BEQ L22	0000040b	00	DC.B #0
0000033a	4267	CLR.W -(SP)	0000040c	4e560000	L32 LINK A6,#0
0000033c	4267	CLR.W -(SP)	00000410	48e71f30	MOVEM.L D3-D7/A2/A3,-(SP)
0000033e	4e4fa29f	TRAP #15	00000414	266e0008	MOVEA.L 8(A6),A3
00000342		DC.W sysTrapGsiSetShiftState	00000418	4203	CLR.B D3
00000342	584f	ADDQ.W#4,SP	0000041a	2e0c	MOVE.LA4,D7
00000344	4a44	TST.W D4	0000041c	284d	MOVEA.L A5,A4
00000346	57c0	SEQ D0	0000041e	99fc00000378	SUBA.L#\$378,A4
00000348	4400	NEG.B D0	00000424	4e4fa173	TRAP #15
0000034a	1f00	MOVE.BD0,-(SP)	00000428		DC.W sysTrapFrmGetActiveForm
0000034c	4e4fa29d	TRAP #15	00000428	2a08	MOVE.LA0,D5
00000350		DC.W sysTrapGsiEnable	0000042a	2f05	MOVE.LD5,-(SP)
00000350	2f03	MOVE.LD3,-(SP)	0000042c	4e4fa178	TRAP #15
00000352	2f05	MOVE.LD5,-(SP)	00000430		DC.W sysTrapFrmGetFocus
00000354	6100059e	BSR L64	00000430	3800	MOVE.WD0,D4
00000358	60000054	BRA L28	00000432	584f	ADDQ.W#4,SP
0000035c	3f3c04ba	MOVE.W#\$4ba,-(SP)	00000434	3013	MOVE.W(A3),D0
00000360	2f05	MOVE.LD5,-(SP)	00000436	5940	SUBQ.W#4,D0
00000362	4e4fa180	TRAP #15	00000438	0c400018	CMPI.W#\$18,D0
00000366		DC.W sysTrapFrmGetObjectIndex	0000043c	620004a4	BHI L63
00000366	3f00	MOVE.WD0,-(SP)	00000440	028000000ffff	ANDI.L#\$ffff,D0
00000368	2f05	MOVE.LD5,-(SP)	00000446	41fa000c	LEA L33,A0
0000036a	4e4fa183	TRAP #15	0000044a	d080	ADD.L D0,D0
0000036e		DC.W sysTrapFrmGetObjectPtr	0000044c	30300800	MOVE.W0(A0,D0.L),D0
0000036e	2f08	MOVE.LA0,-(SP)	00000450	4efb0002	JMP 4(PC,D0.W)
00000370	4e4fa139	TRAP #15	00000454	0150048e	L33 DC.W #336,#1166
00000374		DC.W sysTrapFldGetTextPtr	00000458	048e048e	DC.W #1166,#1166
00000374	defc0010	ADDA.W#\$10,SP	0000045c	048e0246	DC.W #1166,#582
00000378	b0fc0000	CMPPA.W#0,A0	00000460	048e048e	DC.W #1166,#1166
0000037c	6604	BNE L24	00000464	048e048e	DC.W #1166,#1166
0000037e	41fafd59	LEA L10,A0	00000468	048e048e	DC.W #1166,#1166
00000382	2f08	MOVE.LA0,-(SP)	0000046c	048e0114	DC.W #1166,#276
00000384	1f2c00d8	MOVE.B216(A4),-(SP)	00000470	048e048e	DC.W #1166,#1166
00000388	61000e70	BSR L134	00000474	048e023c	DC.W #1166,#572
0000038c	5c4f	ADDQ.W#6,SP	00000478	048e048e	DC.W #1166,#1166
0000038e	4a00	TST.B D0	0000047c	0032048e	DC.W #50,#1166
00000390	6612	BNE L27	00000480	048e048e	DC.W #1166,#1166

--- nonet passphrase

--- passphrase required

--- release resource

*Change
Passphrase form*

*Get entered
passphrase*

00000484	010c	DC.W	#268	00000520	4227	CLR.B -(SP)
00000486	6100fbaa	BSR	L4	00000522	2f06	MOVE.LD6, -(SP)
0000048a	3f3c0654	MOVE.W##\$654,	-(SP)	00000524	4e4fa141	TRAP #15
0000048e	2f05	MOVE.LD5, -(SP)		00000528		DC.W sysTrapFldSetFont
00000490	4e4fa180	TRAP #15		00000528	2f05	MOVE.LD5, -(SP)
00000494		DC.W sysTrapFrmGetObjectIndex		0000052a	4e4fa171	TRAP #15
00000494	3f00	MOVE.WD0, -(SP)		0000052e		DC.W sysTrapFrmDrawForm
00000496	2f05	MOVE.LD5, -(SP)		0000052e	defc000a	ADD.W##\$a, SP
00000498	4e4fa183	TRAP #15		00000532	1f3c0001	MOVE.B#1, -(SP)
0000049c		DC.W sysTrapFrmGetObjectPtr		00000536	4e4fa29d	TRAP #15
0000049c	2448	MOVEA.L A0, A2		0000053a		DC.W sysTrapGsiEnable
0000049e	3f3c064a	MOVE.W##\$64a, -(SP)		0000053a	2f0a	MOVE.LA2, -(SP)
000004a2	2f05	MOVE.LD5, -(SP)		0000053c	2f05	MOVE.LD5, -(SP)
000004a4	4e4fa180	TRAP #15		0000053e	610003b4	BSR L64
000004a8		DC.W sysTrapFrmGetObjectIndex		00000542	2f06	MOVE.LD6, -(SP)
000004a8	3f00	MOVE.WD0, -(SP)		00000544	2f05	MOVE.LD5, -(SP)
000004aa	2f05	MOVE.LD5, -(SP)		00000546	61000430	BSR L69
000004ac	4e4fa183	TRAP #15		0000054a	3f3c0654	MOVE.W##\$654, -(SP)
000004b0		DC.W sysTrapFrmGetObjectPtr		0000054e	2f05	MOVE.LD5, -(SP)
000004b0	2808	MOVE.LA0, D4		00000550	4e4fa180	TRAP #15
000004b2	3f3c0659	MOVE.W##\$659, -(SP)		00000554		DC.W sysTrapFrmGetObjectIndex
000004b6	2f05	MOVE.LD5, -(SP)		00000554	3f00	MOVE.WD0, -(SP)
000004b8	4e4fa180	TRAP #15		00000556	2f05	MOVE.LD5, -(SP)
000004bc		DC.W sysTrapFrmGetObjectIndex		00000558	4e4fa179	TRAP #15
000004bc	3f00	MOVE.WD0, -(SP)		0000055c		DC.W sysTrapFrmSetFont
000004be	2f05	MOVE.LD5, -(SP)		0000055c	60000380	BRA L62
000004c0	4e4fa183	TRAP #15		00000560	6100fb04	BSR L6
000004c4		DC.W sysTrapFrmGetObjectPtr		00000564	6000037c	BRA L63
000004c4	2c08	MOVE.LA0, D6		00000568	3f3c0654	MOVE.W##\$654, -(SP)
000004c6	defc0024	ADD.W##\$24, SP		0000056c	2f05	MOVE.LD5, -(SP)
000004ca	3f3c064f	MOVE.W##\$64f, -(SP)		0000056e	4e4fa180	TRAP #15
000004ce	2f05	MOVE.LD5, -(SP)		00000572		DC.W sysTrapFrmGetObjectIndex
000004d0	4e4fa180	TRAP #15		00000572	3f00	MOVE.WD0, -(SP)
000004d4		DC.W sysTrapFrmGetObjectIndex		00000574	2f05	MOVE.LD5, -(SP)
000004d4	3f00	MOVE.WD0, -(SP)		00000576	4e4fa183	TRAP #15
000004d6	2f05	MOVE.LD5, -(SP)		0000057a		DC.W sysTrapFrmGetObjectPtr
000004d8	4e4fa183	TRAP #15		0000057a	2f08	MOVE.LA0, -(SP)
000004dc		DC.W sysTrapFrmGetObjectPtr		0000057c	2f05	MOVE.LD5, -(SP)
000004dc	2608	MOVE.LA0, D3		0000057e	61000374	BSR L64
000004de	43fafef4	LEA L30, A1		00000582	3f3c0659	MOVE.W##\$659, -(SP)
000004e2	2f09	MOVE.LA1, -(SP)		00000586	2f05	MOVE.LD5, -(SP)
000004e4	2f04	MOVE.LD4, -(SP)		00000588	4e4fa180	TRAP #15
000004e6	61000514	BSR L74		0000058c		DC.W sysTrapFrmGetObjectIndex
000004ea	43faff08	LEA L31, A1		0000058c	3f00	MOVE.WD0, -(SP)
000004ee	2f09	MOVE.LA1, -(SP)		0000058e	2f05	MOVE.LD5, -(SP)
000004f0	2f03	MOVE.LD3, -(SP)		00000590	4e4fa183	TRAP #15
000004f2	61000508	BSR L74		00000594		DC.W sysTrapFrmGetObjectPtr
000004f6	3f3c064b	MOVE.W##\$64b, -(SP)		00000594	defc001c	ADD.W##\$1c, SP
000004fa	2f05	MOVE.LD5, -(SP)		00000598	2e88	MOVE.LA0, (SP)
000004fc	4e4fa180	TRAP #15		0000059a	2f05	MOVE.LD5, -(SP)
00000500		DC.W sysTrapFrmGetObjectIndex		0000059c	610003da	BSR L69
00000500	3f00	MOVE.WD0, -(SP)		000005a0	6000033c	BRA L62
00000502	2f05	MOVE.LD5, -(SP)		000005a4	3f3c0654	MOVE.W##\$654, -(SP)
00000504	4e4fa183	TRAP #15		000005a8	2f05	MOVE.LD5, -(SP)
00000508		DC.W sysTrapFrmGetObjectPtr		000005aa	4e4fa180	TRAP #15
00000508	defc0028	ADD.W##\$28, SP		000005ae		DC.W sysTrapFrmGetObjectIndex
0000050c	4267	CLR.W -(SP)		000005ae	3f00	MOVE.WD0, -(SP)
0000050e	2f08	MOVE.LA0, -(SP)		000005b0	2f05	MOVE.LD5, -(SP)
00000510	4e4fa112	TRAP #15		000005b2	4e4fa183	TRAP #15
00000514		DC.W sysTrapCtlSetValue		000005b6		DC.W sysTrapFrmGetObjectPtr
00000514	5c4f	ADDQ.W##6, SP		000005b6	2448	MOVEA.L A0, A2
00000516	4227	CLR.B -(SP)		000005b8	3f3c0659	MOVE.W##\$659, -(SP)
00000518	2f0a	MOVE.LA2, -(SP)		000005bc	2f05	MOVE.LD5, -(SP)
0000051a	4e4fa141	TRAP #15		000005be	4e4fa180	TRAP #15
0000051e		DC.W sysTrapFldSetFont		000005c2		DC.W sysTrapFrmGetObjectIndex
0000051e	5c4f	ADDQ.W##6, SP		000005c2	3f00	MOVE.WD0, -(SP)

000005c4	2f05		MOVE.LD5, -(SP)	00000668	163c0001	L38	MOVE.B#1, D3
000005c6	4e4fa183		TRAP #15	0000066c	0c440654	L39	CMPI.W#\$654, D4
000005ca		DC.W	sysTrapFrmGetObjectPtr	00000670	660a		BNE L40
000005ca	2c08		MOVE.LA0, D6	00000672	2f0a		MOVE.LA2, -(SP)
000005cc	302b0008		MOVE.W8 (A3), D0	00000674	2f05		MOVE.LD5, -(SP)
000005d0	defc0018		ADDA.W#\$18, SP	00000676	6100027c		BSR L64
000005d4	0c40000b		CMPI.W#\$b, D0	0000067a	504f		ADDD.W#8, SP
000005d8	663c		BNE L35	0000067c	0c440659	L40	CMPI.W#\$659, D4
000005da	0c440654		CMPI.W#\$654, D4	00000680	66000260		BNE L63
000005de	661c		BNE L34	00000684	2f06		MOVE.LD6, -(SP)
000005e0	4227		CLR.B -(SP)	00000686	2f05		MOVE.LD5, -(SP)
000005e2	2f0a		MOVE.LA2, -(SP)	00000688	610002ee		BSR L69
000005e4	4e4fa14d		TRAP #15	0000068c	60000254		BRA L63
000005e8		DC.W	sysTrapFldScrollable	00000690	42a7		CLR.L -(SP)
000005e8	5c4f		ADDQ.W#6, SP	00000692	4e4falcl		TRAP #15
000005ea	4a00		TST.B D0	00000696		DC.W	sysTrapMenuEraseStatus
000005ec	670e		BEQ L34	00000696	60000246		BRA L62
000005ee	4227		CLR.B -(SP)	0000069a	3f3c0654		MOVE.W#\$654, -(SP)
000005f0	3f3c0001		MOVE.W#1, -(SP)	0000069e	2f05		MOVE.LD5, -(SP)
000005f4	2f0a		MOVE.LA2, -(SP)	0000069e	4e4fa180		TRAP #15
000005f6	4e4fa14c		TRAP #15	000006a4		DC.W	sysTrapFrmGetObjectIndex
000005fa		DC.W	sysTrapFldScrollField	000006a4	3f00		MOVE.WD0, -(SP)
000005fa	504f		ADDQ.W#8, SP	000006a6	2f05		MOVE.LD5, -(SP)
000005fc	0c440659	L34	CMPI.W#\$659, D4	000006a8	4e4fa183		TRAP #15
00000600	6666		BNE L38	000006ac		DC.W	sysTrapFrmGetObjectPtr
00000602	4227		CLR.B -(SP)	000006ac	2448		MOVEA.L A0, A2
00000604	2f06		MOVE.LD6, -(SP)	000006ae	3f3c0659		MOVE.W#\$659, -(SP)
00000606	4e4fa14d		TRAP #15	000006b2	2f05		MOVE.LD5, -(SP)
0000060a		DC.W	sysTrapFldScrollable	000006b4	4e4fa180		TRAP #15
0000060a	5c4f		ADDQ.W#6, SP	000006b8		DC.W	sysTrapFrmGetObjectIndex
0000060c	4a00		TST.B D0	000006b8	3f00		MOVE.WD0, -(SP)
0000060e	6758		BEQ L38	000006ba	2f05		MOVE.LD5, -(SP)
00000610	4227		CLR.B -(SP)	000006bc	4e4fa183		TRAP #15
00000612	60000048		BRA L37	000006c0		DC.W	sysTrapFrmGetObjectPtr
00000616	0c40000c	L35	CMPI.W#\$c, D0	000006c0	2c08		MOVE.LA0, D6
0000061a	6650		BNE L39	000006c2	defc0018		ADDA.W#\$18, SP
0000061c	0c440654		CMPI.W#\$654, D4	000006c6	302b0008		MOVE.W8 (A3), D0
00000620	6620		BNE L36	000006ca	0c400663		CMPI.W#\$663, D0
00000622	1f3c0001		MOVE.B#1, -(SP)	000006ce	6772		BEQ L46
00000626	2f0a		MOVE.LA2, -(SP)	000006d0	621e		BHI L42
00000628	4e4fa14d		TRAP #15	000006d2	0c4003f4		CMPI.W#\$3f4, D0
0000062c		DC.W	sysTrapFldScrollable	000006d6	6750		BEQ L45
0000062c	5c4f		ADDQ.W#6, SP	000006d8	620a		BHI L41
0000062e	4a00		TST.B D0	000006da	0c4003f3		CMPI.W#\$3f3, D0
00000630	6710		BEQ L36	000006de	6730		BEQ L44
00000632	1f3c0001		MOVE.B#1, -(SP)	000006e0	60000200		BRA L63
00000636	3f3c0001		MOVE.W#1, -(SP)	000006e4	0c40064b	L41	CMPI.W#\$64b, D0
0000063a	2f0a		MOVE.LA2, -(SP)	000006e8	6700008a		BEQ L48
0000063c	4e4fa14c		TRAP #15	000006ec	600001f4		BRA L63
00000640		DC.W	sysTrapFldScrollField	000006f0	600001f4		CMPI.W#\$672, D0
00000640	504f		ADDQ.W#8, SP	000006f4	6700011c	L42	BEQ L52
00000642	0c440659	L36	CMPI.W#\$659, D4	000006f8	620a		BHI L43
00000646	6620		BNE L38	000006fa	0c40066d		CMPI.W#\$66d, D0
00000648	1f3c0001		MOVE.B#1, -(SP)	000006fe	675a		BEQ L47
0000064c	2f06		MOVE.LD6, -(SP)	00000700	600001e0		BRA L63
0000064e	4e4fa14d		TRAP #15	00000704	0c40067c	L43	CMPI.W#\$67c, D0
00000652		DC.W	sysTrapFldScrollable	00000708	670001ca		BEQ L61
00000652	5c4f		ADDQ.W#6, SP	0000070c	600001d4		BRA L63
00000654	4a00		TST.B D0	00000710	4227	L44	CLR.B -(SP)
00000656	6710		BEQ L38	00000712	3f3c0001		MOVE.W#1, -(SP)
00000658	1f3c0001		MOVE.B#1, -(SP)	00000716	2f0a		MOVE.LA2, -(SP)
0000065c	3f3c0001	L37	MOVE.W#1, -(SP)	00000718	4e4fa14c		TRAP #15
00000660	2f06		MOVE.LD6, -(SP)	0000071c		DC.W	sysTrapFldScrollField
00000662	4e4fa14c		TRAP #15	0000071c	2f0a		MOVE.LA2, -(SP)
00000666		DC.W	sysTrapFldScrollField	0000071e	2f05		MOVE.LD5, -(SP)
00000666	504f		ADDQ.W#8, SP	00000720	610001d2		BSR L64

00000724	600001b8		BRA L62	000007c8	2f0a		MOVE.LA2,-(SP)
00000728	1f3c0001	L45	MOVE.B#1,-(SP)	000007ca	4e4fa141		TRAP #15
0000072c	3f3c0001		MOVE.W#1,-(SP)	000007ce		DC.W	sysTrapFldSetFont
00000730	2f0a		MOVE.LA2,-(SP)	000007ce	5c4f		ADDQ.W#6,SP
00000732	4e4fa14c		TRAP #15	000007d0	4200		CLR.B D0
00000736		DC.W	sysTrapFldScrollField	000007d2	4a43		TST.W D3
00000736	2f0a		MOVE.LA2,-(SP)	000007d4	6704		BEQ L50
00000738	2f05		MOVE.LD5,-(SP)	000007d6	103c0004		MOVE.B#4,D0
0000073a	610001b8		BSR L64	000007da	1f00	L50	MOVE.BD0,-(SP)
0000073e	6000019e		BRA L62	000007dc	2f06		MOVE.LD6,-(SP)
00000742	4227	L46	CLR.B -(SP)	000007de	4e4fa141		TRAP #15
00000744	3f3c0001		MOVE.W#1,-(SP)	000007e2		DC.W	sysTrapFldSetFont
00000748	2f06		MOVE.LD6,-(SP)	000007e2	5c4f		ADDQ.W#6,SP
0000074a	4e4fa14c		TRAP #15	000007e4	4a43		TST.W D3
0000074e		DC.W	sysTrapFldScrollField	000007e6	670a		BEQ L51
0000074e	2f06		MOVE.LD6,-(SP)	000007e8	4267		CLR.W -(SP)
00000750	2f05		MOVE.LD5,-(SP)	000007ea	4267		CLR.W -(SP)
00000752	61000224		BSR L69	000007ec	4e4fa29f		TRAP #15
00000756	60000186		BRA L62	000007f0		DC.W	sysTrapGsiSetShiftState
0000075a	1f3c0001	L47	MOVE.B#1,-(SP)	000007f0	584f		ADDQ.W#4,SP
0000075e	3f3c0001		MOVE.W#1,-(SP)	000007f2	4a43	L51	TST.W D3
00000762	2f06		MOVE.LD6,-(SP)	000007f4	57c0		SEQ D0
00000764	4e4fa14c		TRAP #15	000007f6	4400		NEG.B D0
00000768		DC.W	sysTrapFldScrollField	000007f8	1f00		MOVE.BD0,-(SP)
00000768	2f06		MOVE.LD6,-(SP)	000007fa	4e4fa29d		TRAP #15
0000076a	2f05		MOVE.LD5,-(SP)	000007fe		DC.W	sysTrapGsiEnable
0000076c	6100020a		BSR L69	000007fe	2f0a		MOVE.LA2,-(SP)
00000770	6000016c		BRA L62	00000800	2f05		MOVE.LD5,-(SP)
00000774	3f00	L48	MOVE.WD0,-(SP)	00000802	610000f0		BSR L64
00000776	2f05		MOVE.LD5,-(SP)	00000806	2f06		MOVE.LD6,-(SP)
00000778	4e4fa180		TRAP #15	00000808	2f05		MOVE.LD5,-(SP)
0000077c		DC.W	sysTrapFrmGetObjectIndex	0000080a	6100016c		BSR L69
0000077c	3f00		MOVE.WD0,-(SP)	0000080e	600000ce		BRA L62
0000077e	2f05		MOVE.LD5,-(SP)	00000812	3f3c0654	L52	MOVE.W#\$654,-(SP)
00000780	4e4fa183		TRAP #15	00000816	2f05		MOVE.LD5,-(SP)
00000784		DC.W	sysTrapFrmGetObjectPtr	00000818	4e4fa180		TRAP #15
00000784	2608		MOVE.LA0,D3	0000081c		DC.W	sysTrapFrmGetObjectIndex
00000786	3f3c0654		MOVE.W#\$654,-(SP)	0000081c	3f00		MOVE.WD0,-(SP)
0000078a	2f05		MOVE.LD5,-(SP)	0000081e	2f05		MOVE.LD5,-(SP)
0000078c	4e4fa180		TRAP #15	00000820	4e4fa183		TRAP #15
00000790		DC.W	sysTrapFrmGetObjectIndex	00000824		DC.W	sysTrapFrmGetObjectPtr
00000790	3f00		MOVE.WD0,-(SP)	00000824	2448		MOVEA.L A0,A2
00000792	2f05		MOVE.LD5,-(SP)	00000826	3f3c0659		MOVE.W#\$659,-(SP)
00000794	4e4fa183		TRAP #15	0000082a	2f05		MOVE.LD5,-(SP)
00000798		DC.W	sysTrapFrmGetObjectPtr	0000082c	4e4fa180		TRAP #15
00000798	2448		MOVEA.L A0,A2	00000830		DC.W	sysTrapFrmGetObjectIndex
0000079a	3f3c0659		MOVE.W#\$659,-(SP)	00000830	3f00		MOVE.WD0,-(SP)
0000079e	2f05		MOVE.LD5,-(SP)	00000832	2f05		MOVE.LD5,-(SP)
000007a0	4e4fa180		TRAP #15	00000834	4e4fa183		TRAP #15
000007a4		DC.W	sysTrapFrmGetObjectIndex	00000838		DC.W	sysTrapFrmGetObjectPtr
000007a4	3f00		MOVE.WD0,-(SP)	00000838	2c08		MOVE.LA0,D6
000007a6	2f05		MOVE.LD5,-(SP)	0000083a	2f0a		MOVE.LA2,-(SP)
000007a8	4e4fa183		TRAP #15	0000083c	4e4fa139		TRAP #15
000007ac		DC.W	sysTrapFrmGetObjectPtr	00000840		DC.W	sysTrapFldGetTextPtr
000007ac	2c08		MOVE.LA0,D6	00000840	2448		MOVEA.L A0,A2
000007ae	defc0020		ADDA.W#\$20,SP	00000842	2f06		MOVE.LD6,-(SP)
000007b2	2e83		MOVE.LD3,(SP)	00000844	4e4fa139		TRAP #15
000007b4	4e4fa111		TRAP #15	00000848		DC.W	sysTrapFldGetTextPtr
000007b8		DC.W	sysTrapCtlGetValue	00000848	4244		CLR.W D4
000007b8	3600		MOVE.WD0,D3	0000084a	4243		CLR.W D3
000007ba	584f		ADDQ.W#4,SP	0000084c	74ff		MOVEQ #-1,D2
000007bc	4200		CLR.B D0	0000084e	defc0020		ADDA.W#\$20,SP
000007be	4a43		TST.W D3	00000852	b4fc0000		CMPA.W#0,A2
000007c0	6704		BEQ L49	00000856	660a		BNE L53
000007c2	103c0004		MOVE.B#4,D0	00000858	b0fc0000		CMPA.W#0,A0
000007c6	1f00	L49	MOVE.BD0,-(SP)	0000085c	666a		BNE L60

0000085e	6000002e		BRA L57
00000862	b0fc0000	L53	CMPA.W#0,A0
00000866	6760		BEQ L60
00000868	12324000	L54	MOVE.B0(A2,D4.W),D1
0000086c	10303000		MOVE.B0(A0,D3.W),D0
00000870	5243		ADDQ.W#1,D3
00000872	b001		CMP.B D1,D0
00000874	660c		BNE L55
00000876	5244		ADDQ.W#1,D4
00000878	4a01		TST.B D1
0000087a	6608		BNE L56
0000087c	7401		MOVEQ #1,D2
0000087e	60000004		BRA L56
00000882	4242	L55	CLR.W D2
00000884	0c42ffff	L56	CMPI.W#-1,D2
00000888	67de		BEQ L54
0000088a	4a42		TST.W D2
0000088c	673a		BEQ L60
0000088e	b4fc0000	L57	CMPA.W#0,A2
00000892	6604		BNE L58
00000894	45faf843		LEA L10,A2
00000898	4a12	L58	TST.B (A2)
0000089a	660e		BNE L59
0000089c	3f3c047e		MOVE.W#\$47e,-(SP)
000008a0	4e4fa192		TRAP #15
000008a4		DC.W	sysTrapFrmAlert
000008a4	544f		ADDQ.W#2,SP
000008a6	4a40		TST.W D0
000008a8	662a		BNE L61
000008aa	2f0a	L59	MOVE.LA2,-(SP)
000008ac	1f2c00d8		MOVE.B216(A4),-(SP)
000008b0	61000948		BSR L134
000008b4	5c4f		ADDQ.W#6,SP
000008b6	4a00		TST.B D0
000008b8	661a		BNE L61
000008ba	3f3c0474		MOVE.W#\$474,-(SP)
000008be	4e4fa192		TRAP #15
000008c2		DC.W	sysTrapFrmAlert
000008c2	544f		ADDQ.W#2,SP
000008c4	6000000e		BRA L61
000008c8	3f3c0488	L60	MOVE.W#\$488,-(SP)
000008cc	4e4fa192		TRAP #15
000008d0		DC.W	sysTrapFrmAlert
000008d0	6000000c		BRA L62
000008d4	6100f790	L61	BSR L6
000008d8	4267		CLR.W -(SP)
000008da	4e4fa19e		TRAP #15
000008de		L62	DC.W sysTrapFrmReturnToFoam
000008de	163c0001	L62	MOVE.B#1,D3
000008e2	2847	L63	MOVEA.L D7,A4
000008e4	3003		MOVE.WD3,D0
000008e6	02400001		ANDI.W#1,D0
000008ea	4cee0cf8ffe4		MOVEM.L -28(A6),D3-D7/A2/A3
000008f0	4e5e		UNLK A6
000008f2	4e75		RTS

- Confirm delete phrase?

- Delete

6FDR -

00000912	4e4fa183		TRAP #15
00000916		DC.W	sysTrapFrmGetObjectPtr
00000916	2808		MOVE.LA0,D4
00000918	3f3c03f4		MOVE.W#\$3f4,-(SP)
0000091c	2f03		MOVE.LD3,-(SP)
0000091e	4e4fa180		TRAP #15
00000922		DC.W	sysTrapFrmGetObjectIndex
00000922	3f00		MOVE.WD0,-(SP)
00000924	2f03		MOVE.LD3,-(SP)
00000926	4e4fa183		TRAP #15
0000092a		DC.W	sysTrapFrmGetObjectPtr
0000092a	2608		MOVE.LA0,D3
0000092c	4227		CLR.B -(SP)
0000092e	2f05		MOVE.LD5,-(SP)
00000930	4e4fa14d		TRAP #15
00000934		DC.W	sysTrapFldScrollable
00000934	defc001e		ADDA.W#\$1e,SP
00000938	4a00		TST.B D0
0000093a	670a		BEQ L65
0000093c	2f04		MOVE.LD4,-(SP)
0000093e	4e4fa110		TRAP #15
00000942		DC.W	sysTrapCtlShowControl
00000942	60000008		BRA L66
00000944	2f04	L65	MOVE.LD4,-(SP)
00000948	4e4fa10f		TRAP #15
0000094c		L66	DC.W sysTrapCtlHideControl
0000094c	584f	L66	ADDQ.W#4,SP
0000094e	1f3c0001		MOVE.B#1,-(SP)
00000952	2f05		MOVE.LD5,-(SP)
00000954	4e4fa14d		TRAP #15
00000958		DC.W	sysTrapFldScrollable
00000958	5c4f		ADDQ.W#6,SP
0000095a	4a00		TST.B D0
0000095c	670a		BEQ L67
0000095e	2f03		MOVE.LD3,-(SP)
00000960	4e4fa110		TRAP #15
00000964		DC.W	sysTrapCtlShowControl
00000964	60000008		BRA L68
00000968	2f03	L67	MOVE.LD3,-(SP)
0000096a	4e4fa10f		TRAP #15
0000096e		L68	DC.W sysTrapCtlHideControl
0000096e	4cee0038fff4	L68	MOVEM.L -12(A6),D3-D5
00000974	4e5e		UNLK A6
00000976	4e75		RTS
00000978	4e560000	L69	LINK A6,#0
0000097c	48e71c00		MOVEM.L D3-D5,-(SP)
00000980	262e0006		MOVE.L8(A6),D3
00000984	2a2e000c		MOVE.L12(A6),D5
00000988	3f3c0663		MOVE.W#\$663,-(SP)
0000098c	2f03		MOVE.LD3,-(SP)
0000098e	4e4fa180		TRAP #15
00000992		DC.W	sysTrapFrmGetObjectIndex
00000992	3f00		MOVE.WD0,-(SP)
00000994	2f03		MOVE.LD3,-(SP)
00000996	4e4fa183		TRAP #15
0000099a		DC.W	sysTrapFrmGetObjectPtr
0000099a	2808		MOVE.LA0,D4
0000099c	3f3c066d		MOVE.W#\$66d,-(SP)
000009a0	2f03		MOVE.LD3,-(SP)
000009a2	4e4fa180		TRAP #15
000009a6		DC.W	sysTrapFrmGetObjectIndex
000009a6	3f00		MOVE.WD0,-(SP)
000009a8	2f03		MOVE.LD3,-(SP)
000009aa	4e4fa183		TRAP #15
000009ae		DC.W	sysTrapFrmGetObjectPtr

setup

phens de field?

000009ae	2608		MOVE.LA0,D3	00000a46	2f03		MOVE.LD3,-(SP)
000009b0	4227		CLR.B -(SP)	00000a48	2f05		MOVE.LD5,-(SP)
000009b2	2f05		MOVE.LD5,-(SP)	00000a4a	4e4fa158		TRAP #15
000009b4	4e4fa14d		TRAP #15	00000a4e		L76	DC.W sysTrapFldSetTextHandle
000009b8		DC.W	sysTrapFldScrollable	00000a4e	4cee0038fff4	L76	MOVEM.L -12(A6),D3-D5
000009b8	defc001e		ADDA.W#51e,SP	00000a54	4e5e		UNLK A6
000009bc	4a00		TST.B D0	00000a56	4e75		RTS
000009be	670a		BEQ L70				
000009c0	2f04		MOVE.LD4,-(SP)	00000a58	4e560000	L77	LINK A6,#0
000009c2	4e4fa110		TRAP #15	00000a5c	296e0008029c		MOVE.L8(A6),668(A4)
000009c6		DC.W	sysTrapCtlShowControl	00000a62	4e5e		UNLK A6
000009c6	60000008		BRA L71	00000a64	4e75		RTS
000009ca	2f04	L70	MOVE.LD4,-(SP)				
000009cc	4e4fa10f		TRAP #15				
000009d0		L71	DC.W sysTrapCtlHideControl	00000a66	4e560000	L78	LINK A6,#0
000009d0	584f	L71	ADDQ.W#4,SP	00000a6a	2f0a		MOVE.LA2,-(SP)
000009d2	1f3c0001		MOVE.B#1,-(SP)	00000a6c	41ec0012		LEA 18(A4),A0
000009d6	2f05		MOVE.LD5,-(SP)	00000a70	4a50		TST.W(A0)
000009d8	4e4fa14d		TRAP #15	00000a72	6e02		BGT L79
000009dc		DC.W	sysTrapFldScrollable	00000a74	4250		CLR.W(A0)
000009dc	5c4f		ADDQ.W#6,SP	00000a76	0c500008	L79	CMPI.W#8,(A0)
000009de	4a00		TST.B D0	00000a7a	6f1e		BLE L81
000009e0	670a		BEQ L72	00000a7c	4241		CLR.W D1
000009e2	2f03		MOVE.LD3,-(SP)	00000a7e	41ec023c	L80	LEA 572(A4),A0
000009e4	4e4fa110		TRAP #15	00000a82	3001		MOVE.WD1,D0
000009e8		DC.W	sysTrapCtlShowControl	00000a84	5240		ADDQ.W#1,D0
000009e8	60000008		BRA L73	00000a86	11b000001000		MOVE.B0(A0,D0.W),0(A0,D1.W)
000009ec	2f03	L72	MOVE.LD3,-(SP)	00000a8c	3200		MOVE.WD0,D1
000009ee	4e4fa10f		TRAP #15	00000a8e	0c410007		CMPI.W#7,D1
000009f2		L73	DC.W sysTrapCtlHideControl	00000a92	6fea		BLE L80
000009f2	4cee0038fff4	L73	MOVEM.L -12(A6),D3-D5	00000a94	397c00080012		MOVE.W#8,18(A4)
000009f8	4e5e		UNLK A6	00000a9a	41ec0012	L81	LEA 18(A4),A0
000009fa	4e75		RTS	00000a9e	3250		MOVEA.W(A0),A1
				00000aa0	45ec023c		LEA 572(A4),A2
000009fc	4e560000	L74	LINK A6,#0	00000aa4	142e0009		MOVE.B9(A6),D2
00000a00	48e71c00		MOVEM.L D3-D5,-(SP)	00000aa8	06020030		ADDI.B#530,D2
00000a04	2a2e0008		MOVE.L8(A6),D5	00000aac	15829800		MOVE.BD2,0(A2,A1.L)
00000a08	282e000c		MOVE.L12(A6),D4	00000ab0	3010		MOVE.W(A0),D0
00000a0c	2f04		MOVE.LD4,-(SP)	00000ab2	3400		MOVE.WD0,D2
00000a0e	4e4fa0c7		TRAP #15	00000ab4	5242		ADDQ.W#1,D2
00000a12		DC.W	sysTrapStrLen	00000ab6	3082		MOVE.WD2,(A0)
00000a12	5240		ADDQ.W#1,D0	00000ab8	42320001		CLR.B 1(A2,D0.W)
00000a14	3f00		MOVE.WD0,-(SP)	00000abc	3010		MOVE.W(A0),D0
00000a16	4267		CLR.W -(SP)	00000abe	5340		SUBQ.W#1,D0
00000a18	4e4fa01e		TRAP #15	00000ac0	43ec024c		LEA 588(A4),A1
00000a1c		DC.W	sysTrapMemHandleNew	00000ac4	13bc002a0000		MOVE.B#52a,0(A1,D0.W)
00000a1c	2608		MOVE.LA0,D3	00000aca	3050		MOVEA.W(A0),A0
00000a1e	504f		ADDQ.W#8,SP	00000acc	42318800		CLR.B 0(A1,A0.L)
00000a20	672c		BEQ L76	00000ad0	246efffc		MOVEA.L -4(A6),A2
00000a22	2f03		MOVE.LD3,-(SP)	00000ad4	4e5e		UNLK A6
00000a24	4e4fa021		TRAP #15	00000ad6	4e75		RTS
00000a28		DC.W	sysTrapMemHandleLock				
00000a28	2008		MOVE.LA0,D0	00000ad8	4e560000	L82	LINK A6,#0
00000a2a	584f		ADDQ.W#4,SP	00000adc	426c0012		CLR.W 18(A4)
00000a2c	6712		BEQ L75	00000ae0	422c023c		CLR.B 572(A4)
00000a2e	2f04		MOVE.LD4,-(SP)	00000ae4	422c024c		CLR.B 588(A4)
00000a30	2f00		MOVE.LD0,-(SP)	00000ae8	4e5e		UNLK A6
00000a32	4e4fa0c5		TRAP #15	00000aea	4e75		RTS
00000a36		DC.W	sysTrapStrCopy				
00000a36	2f03		MOVE.LD3,-(SP)	00000aec	4e560000	L83	LINK A6,#0
00000a38	4e4fa022		TRAP #15	00000af0	4e4fa0f5		TRAP #15
00000a3c		DC.W	sysTrapMemHandleUnlock				DC.W sysTrapTimGetSeconds
00000a3c	defc000c		ADDA.W#5c,SP	00000af4			MOVE.LD0,20(A4)
00000a40	2f05	L75	MOVE.LD5,-(SP)	00000af8	29400014		LEA 18(A4),A0
00000a42	4e4fa137		TRAP #15	00000afc	41ec0012		MOVE.W(A0),D0
00000a46		DC.W	sysTrapFldFreeMemory	00000afe	6f04		BLE L84
				00000b00	4440		NEG.W D0

640bjeppr


```

00000b02 3080 MOVE.WD0, (A0)
00000b04 4e5e UNLK A6
00000b06 4e75 RTS

-----
00000b08 4e560000 L85 LINK A6, #0
00000b0c 48e71e30 MOVEM.L D3-D6/A2/A3, -(SP)
00000b10 2a2e0008 MOVE.L8 (A6), D5
00000b14 2c2e000c MOVE.L12 (A6), D6
00000b18 262e0010 MOVE.L16 (A6), D3
00000b1c 246e0014 MOVEA.L 20 (A6), A2
00000b20 266e0018 MOVEA.L 24 (A6), A3
00000b24 4e4fa0f5 TRAP #15
00000b28 DC.W sysTrapTimGetSeconds
00000b28 7480 MOVEQ #-128, D2
00000b2a d682 ADD.L D2, D3
00000b2c 2203 MOVE.LD3, D1
00000b2e e781 ASL.L #3, D1
00000b30 9283 SUB.L D3, D1
00000b32 eb81 ASL.L #5, D1
00000b34 d283 ADD.L D3, D1
00000b36 e581 ASL.L #2, D1
00000b38 2040 MOVEA.L D0, A0
00000b3a 91c1 SUBA.LD1, A0
00000b3c 4878001e PEA $001e.W
00000b40 d1fc65cid180 ADDA.L#$65cid180, A0
00000b46 2f08 MOVE.LA0, -(SP)
00000b48 6100565e BSR L508
00000b4c 504f ADDQ.W#8, SP
00000b4e 2800 MOVE.LD0, D4
00000b50 2f05 MOVE.LD5, -(SP)
00000b52 48780010 PEA $0010.W
00000b56 61005650 BSR L508
00000b5a 584f ADDQ.W#4, SP
00000b5c 2e86 MOVE.LD6, (SP)
00000b5e 2f00 MOVE.LD0, -(SP)
00000b60 61005676 BSR L512
00000b64 504f ADDQ.W#8, SP
00000b66 2600 MOVE.LD0, D3
00000b68 2f03 MOVE.LD3, -(SP)
00000b6a 2f04 MOVE.LD4, -(SP)
00000b6c 6100563a BSR L508
00000b70 584f ADDQ.W#4, SP
00000b72 2e83 MOVE.LD3, (SP)
00000b74 2f00 MOVE.LD0, -(SP)
00000b76 61005660 BSR L512
00000b7a 504f ADDQ.W#8, SP
00000b7c 2480 MOVE.LD0, (A2)
00000b7e 2f06 MOVE.LD6, -(SP)
00000b80 9880 SUB.L D0, D4
00000b82 2f04 MOVE.LD4, -(SP)
00000b84 61005622 BSR L508
00000b88 2680 MOVE.LD0, (A3)
00000b8a 4cee0c78ffe8 MOVEM.L -24 (A6), D3-D6/A2/A3
00000b90 4e5e UNLK A6
00000b92 4e75 RTS

-----
00000b94 4e56ffe8 L86 LINK A6, #-24
00000b98 2f0a MOVE.LA2, -(SP)
00000b9a 2f03 MOVE.LD3, (SP)
00000b9c 262e000c MOVE.L12 (A6), D3
00000ba0 486efff2 PEA -14 (A6)
00000ba4 2f2e0008 MOVE.L8 (A6), -(SP)
00000ba8 4e4fa0fc TRAP #15
00000bac DC.W sysTrapTimSecondsToDateTime
00000bac 45eeffe8 LEA -24 (A6), A2
00000bb0 2f0a MOVE.LA2, -(SP)

```

70538

7057c

70578

7057c

7058b

70590

70594

7059c

705a0

705aa

705b4

705b8

705c4

convert to
bmt

A0 = bmt from 1/1/86,
12 noon

divide 32 bit

multiply 32-bit

D3
= result
multiply 32-bit

Draw Time

```

00000bb2 1f3c0002 MOVE.B#2, -(SP)
00000bb6 1f2efff5 MOVE.B-11 (A6), -(SP)
00000bba 1f2efff7 MOVE.B-9 (A6), -(SP)
00000bbe 4e4fa268 TRAP #15
00000bc2 DC.W sysTrapTimeToAscii
00000bc2 2f0a MOVE.LA2, -(SP)
00000bc4 2f03 MOVE.LD3, -(SP)
00000bc6 6100fe34 BSR L74
00000bca 2f03 MOVE.LD3, -(SP)
00000bcc 4e4fa135 TRAP #15
00000bd0 DC.W sysTrapFldDrawField
00000bd0 262effe0 MOVE.L-32 (A6), D3
00000bd4 246effe4 MOVEA.L -28 (A6), A2
00000bd8 4e5e UNLK A6
00000bda 4e75 RTS

-----
00000bdc 4e560000 LINK A6, #0
00000be0 2f04 MOVE.LD4, -(SP)
00000be2 2f03 MOVE.LD3, -(SP)
00000be4 282e0008 MOVE.L8 (A6), D4
00000be8 262e000c MOVE.L12 (A6), D3
00000bec 3f3c0410 MOVE.W#$410, -(SP)
00000bf0 2f03 MOVE.LD3, -(SP)
00000bf2 4e4fa180 TRAP #15
00000bf6 DC.W sysTrapFrmGetObjectIndex
00000bf6 3f00 MOVE.WD0, -(SP)
00000bf8 2f03 MOVE.LD3, -(SP)
00000bfa 4e4fa183 TRAP #15
00000bfe DC.W sysTrapFrmGetObjectPtr
00000bfe 2608 MOVE.LA0, D3
00000c00 2f04 MOVE.LD4, -(SP)
00000c02 2f03 MOVE.LD3, -(SP)
00000c04 6100fdf6 BSR L74
00000c08 2f03 MOVE.LD3, -(SP)
00000c0a 4e4fa135 TRAP #15
00000c0e DC.W sysTrapFldDrawField
00000c0e 262efff8 MOVE.L-8 (A6), D3
00000c12 282efffc MOVE.L-4 (A6), D4
00000c16 4e5e UNLK A6
00000c18 4e75 RTS

-----
00000c1a 4e560000 L87 LINK A6, #0
00000c1e 48e71e00 MOVEM.L D3-D6, -(SP)
00000c22 262e0008 MOVE.L8 (A6), D3
00000c26 4e4fa0f5 TRAP #15
00000c2a DC.W sysTrapTimGetSeconds
00000c2a 2a00 MOVE.LD0, D5
00000c2c 7280 MOVEQ #-128, D1
00000c2e d2ac0358 ADD.L 856 (A4), D1
00000c32 2001 MOVE.LD1, D0
00000c34 e780 ASL.L #3, D0
00000c36 9081 SUB.L D1, D0
00000c38 eb80 ASL.L #5, D0
00000c3a d081 ADD.L D1, D0
00000c3c e580 ASL.L #2, D0
00000c3e 2c05 MOVE.LD5, D6
00000c40 9c80 SUB.L D0, D6
00000c42 3f3c0409 MOVE.W#$409, -(SP)
00000c46 2f03 MOVE.LD3, -(SP)
00000c48 4e4fa180 TRAP #15
00000c4c DC.W sysTrapFrmGetObjectIndex
00000c4c 3f00 MOVE.WD0, -(SP)
00000c4e 2f03 MOVE.LD3, -(SP)
00000c50 4e4fa183 TRAP #15
00000c54 DC.W sysTrapFrmGetObjectPtr
00000c54 2808 MOVE.LA0, D4

```

7064A L87

7065b

70664

calculate
bmt offset
from
local time

Calculate &
Draw local &
bmt time

B534 1835

FFFFF80 + \$6C

subtract -D6 = \$ B5350E85

```

00000c56 3f3c040a MOVE.W#$40a,-(SP)
00000c5a 2f03 MOVE.LD3,-(SP)
00000c5c 4e4fa180 TRAP #15
00000c60 DC.W sysTrapFrmGetObjectIndex
00000c60 3f00 MOVE.WD0,-(SP)
00000c62 2f03 MOVE.LD3,-(SP)
00000c64 4e4fa183 TRAP #15
00000c68 DC.W sysTrapFrmGetObjectPtr
00000c68 2608 MOVE.LA0,D3
00000c6a 2f04 MOVE.LD4,-(SP)
00000c6c 2f05 MOVE.LD5,-(SP)
00000c6e 6100ff24 BSR L86
00000c72 defc001c ADDA.W#$1c,SP
00000c76 2e83 MOVE.LD3,(SP)
00000c78 2f06 MOVE.LD6,-(SP)
00000c7a 6100ff18 BSR L86
00000c7e 4cee0078ffff MOVEM.L -16(A6),D3-D6
00000c84 4e5e UNLK A6
00000c86 4e75 RTS
;-----
00000c88 0000 L88 DC.W #0
00000c8a 4e56ffcc L89 LINK A6,#-52
00000c8e 48e71f30 MOVEM.L D3-D7/A2/A3,-(SP)
00000c92 262e0008 MOVE.L8(A6),D3
00000c96 47ec0368 LEA 872(A4),A3
00000c9a 3f3c03eb MOVE.W#$3eb,-(SP)
00000c9e 2f03 MOVE.LD3,-(SP)
00000ca0 4e4fa180 TRAP #15
00000ca4 DC.W sysTrapFrmGetObjectIndex
00000ca4 3f00 MOVE.WD0,-(SP)
00000ca6 2f03 MOVE.LD3,-(SP)
00000ca8 4e4fa183 TRAP #15
00000cac DC.W sysTrapFrmGetObjectPtr
00000cac 2688 MOVE.LA0,(A3)
00000cae 45ec01a4 LEA 420(A4),A2
00000cb2 defc000c ADDA.W#$c,SP
00000cb6 4a12 TST.B(A2)
00000cb8 662a BNE L90
00000cba 42a7 CLR.L-(SP)
00000cbc 4227 CLR.B-(SP)
00000cbe 6100053a BSR L134
00000cc2 5c4f ADDQ.W#6,SP
00000cc4 4a12 TST.B(A2)
00000cc6 661c BNE L90
00000cc8 43faffbe LEA L88,A1
00000ccc 2f09 MOVE.LA1,-(SP)
00000cce 2f13 MOVE.L(A3),-(SP)
00000cd0 6100fd2a BSR L74
00000cd4 2f13 MOVE.L(A3),-(SP)
00000cd6 4e4fa135 TRAP #15
00000cda DC.W sysTrapFldDrawField
00000cda 4227 CLR.B-(SP)
00000cdc 6100f332 BSR L1
00000ce0 600003ce BRA L122
00000ce4 0c2c00010010 CMPI.B#1,16(A4)
00000cea 6726 BEQ L91
00000cec 45ec000c LEA L2(A4),A2
00000cf0 2012 MOVE.L(A2),D0
00000cf2 670003bc BEQ L122
00000cf6 2f00 MOVE.LD0,-(SP)
00000cf8 4e4fa02d TRAP #15
00000cfc DC.W sysTrapMemHandleSize
00000cfc 584f ADDQ.W#4,SP
00000cfe 7c1c MOVEQ #28,D6
00000d00 bc80 CMP.L D0,D6
00000d02 640003ac BCC L122

```

7069E - Draw Local Time
706A2 - Draw GMT Time
706B6 -

706BE - object ID 1003
- WMP = 0x1D80

706DC - attempt no passphrase?
706E8 -

706EE - if passphrase entered:
7070c - pop: Enter passphrase
70714 -

70788 - DC.W sysTrapMemHandleSize
→ 433 = 51 bits length of data in key file

```

00000d06 2f12 MOVE.L(A2),-(SP)
00000d08 4e4fa021 TRAP #15
00000d0c DC.W sysTrapMemHandleLock
00000d0c 584f ADDQ.W#4,SP
00000d0e 60000006 BRA L92
00000d12 41ec013c LEA 316(A4),A0
00000d16 b0fc0000 CMPA.W#0,A0
00000d1a 67000394 BEQ L122
00000d1e 0c100001 CMPI.B#1,(A0)
00000d22 6600038c BNE L122
00000d26 12280002 MOVE.B2(A0),D1
00000d2a 1001 MOVE.BD1,D0
00000d2c e808 LSR.B #4,D0
00000d2e 3800 MOVE.WD0,D4
00000d30 0244000f ANDI.W#$f,D4
00000d34 3e01 MOVE.WD1,D7
00000d36 0247000f ANDI.W#$f,D7
00000d3a 3647 MOVEA.W D7,A3
00000d3c 14280001 MOVE.B1(A0),D2
00000d40 1202 MOVE.BD2,D1
00000d42 0201000f ANDI.B#$f,D1
00000d46 3001 MOVE.WD1,D0
00000d48 0240000f ANDI.W#$f,D0
00000d4c b04b CMP.W A3,D0
00000d4e 6c08 BGE L93
00000d50 3c01 MOVE.WD1,D6
00000d52 0246000f ANDI.W#$f,D6
00000d56 3646 MOVEA.W D6,A3
00000d58 1202 MOVE.BD2,D1
00000d5a e809 LSR.B #4,D1
00000d5c 3001 MOVE.WD1,D0
00000d5e 0240000f ANDI.W#$f,D0
00000d62 b04b CMP.W A3,D0
00000d64 6f08 BLE L94
00000d66 3e01 MOVE.WD1,D7
00000d68 0247000f ANDI.W#$f,D7
00000d6c 3647 MOVEA.W D7,A3
00000d6e 3c0b MOVE.WA3,D6
00000d70 6e04 BGT L95
00000d72 367c0001 MOVEA.W #1,A3
00000d76 7e09 MOVEQ #9,D7
00000d78 be4b CMP.W A3,D7
00000d7a 6c04 BGE L96
00000d7c 367c0009 MOVEA.W #9,A3
00000d80 45ec0358 LEA 856(A4),A2
00000d84 4280 CLR.L D0
00000d86 10280003 MOVE.B3(A0),D0
00000d8a 2480 MOVE.LD0,(A2)
00000d8c 0c2c00010010 CMPI.B#1,16(A4)
00000d92 670a BEQ L97
00000d94 2f2c000c MOVE.L12(A4),-(SP)
00000d98 4e4fa022 TRAP #15
00000d9c 584f sysTrapMemHandleUnlock
00000d9c 584f ADDQ.W#4,SP
00000d9e 2f03 MOVE.LD3,-(SP)
00000da0 6100fe78 BSR L87
00000da4 4e4fa0f5 TRAP #15
00000da8 DC.W sysTrapTimGetSeconds
00000da8 2600 MOVE.LD0,D3
00000daa 2a03 MOVE.LD3,D5
00000dac 2412 MOVE.L(A2),D2
00000dae 7280 MOVEQ #-128,D1
00000db0 d282 ADD.L D2,D1
00000db2 2001 MOVE.LD1,D0
00000db4 e780 ASL.L #3,D0
00000db6 9081 SUB.L D1,D0

```

70738 - Handle = 800ff32a
70746 - A2 = 230e2 = data from key file
70756 -

70788 - check header
70796 -

707A6 - 0x1B2F4
707B0 - 06c
707C8 - DC.W sysTrapMemHandleUnlock
707D0 - Draw Local & GMT to main mem
707D4 - DC.W

→ 05 = local time
Calculate GMT offset

```

00000db8 eb80 ASL.L #5,D0
00000dba d081 ADD.L D1,D0
00000dbc e580 ASL.L #2,D0
00000dbe 9680 SUB.L D0,D3
00000dc0 064383da4f80 --ADDI.L #-87c25b080,D3
00000dc6 486efff9 PEA -8(A6)
00000dca 486efffc PEA -4(A6)
00000dce 2f02 MOVE.LD2,-(SP)
00000dd0 48780002 PEA $0002.W
00000dd4 2c0b MOVE.LA3,D6
00000dd6 7e0f MOVEQ #15,D7
00000dd8 cc87 AND.L D7,D6
00000dda 2f06 MOVE.LD6,-(SP)
00000ddc 6100fd2a --BSR L85
00000de0 2d6effcdda --MOVE.L -4(A6),-38(A6)
00000de6 4878003c PEA $003c.W
00000dea 2f03 MOVE.LD3,-(SP)
00000dec 6100540e --BSR L513
00000df0 504f --ADDQ.W #8,SP
00000df2 2d40fffd6 MOVE.LD0,-42(A6)
00000df6 defc0018 ADDA.W #18,SP
00000dfa 4a6c0012 TST.W 18(A4)
00000dfe 6c12 BGE L98
00000e00 2005 MOVE.LD5,D0
00000e02 90ac0014 SUB.L 20(A4),D0
00000e06 0c80000000b4 CMPL.L #8b4,D0
00000e0c 6304 BLS L98
00000e0e 6100fcc8 BSR L82 - clear stuff
00000e12 302c0012 --MOVE.W 18(A4),D0
00000e16 6f14 BLE L100
00000e18 4a44 TST.W D4
00000e1a 6708 BEQ L99
00000e1c 486c023c PEA 572(A4)
00000e20 60000212 BRA L118
00000e24 486c024c PEA 588(A4)
00000e28 6000020a BRA L118
00000e2c 42aefcfe CLR.L -50(A6)
00000e30 42aeffd2 CLR.L -46(A6) =
00000e34 4a40 TST.W D0
00000e36 6c000088 BGE L103 ->
00000e3a 7800 MOVEQ #0,D4
00000e3c 7a00 MOVEQ #0,D5
00000e3e 4243 CLR.W D3
00000e40 6000003a BRA L102
00000e44 2004 MOVE.LD4,D0
00000e46 2205 MOVE.LD5,D1
00000e48 d281 ADD.L D1,D1
00000e4a d180 ADDX.LD0,D0
00000e4c d281 ADD.L D1,D1
00000e4e d180 ADDX.LD0,D0
00000e50 d281 ADD.L D1,D1
00000e52 d180 ADDX.LD0,D0
00000e54 d285 ADD.L D5,D1
00000e56 d184 ADDX.LD4,D0
00000e58 da81 ADD.L D1,D5
00000e5a d980 ADDX.LD0,D4
00000e5c 41ec023c LEA 572(A4),A0
00000e60 10303000 MOVE.B0(A0,D3.W),D0
00000e64 4880 EXT.W D0
00000e66 3040 MOVEA.W D0,A0
00000e68 72d0 MOVEQ #-48,D1
00000e6a d288 ADD.L A0,D1
00000e6c 5bc0 SMI D0
00000e6e 4880 EXT.W D0
00000e70 48c0 EXT.L D0
00000e72 da81 ADD.L D1,D5

```

D3 = bmt (in sl. since 1/1/904)

=> B534 DBA7

9983D AYP80

7080c - prepare

70810 - time from 188970

7081c - (3390f7827, 93c)

70820 - mod = 13 = 19

0x1AFAE20

70812 L98

L99

7085c L100

L101

if it is necessary to convert some ticks, calculate numbers to 50

```

00000e74 d980 ADDX.LD0,D4
00000e76 5243 ADDQ.W #1,D3
00000e78 302c0012 MOVE.W 18(A4),D0
00000e7c 4440 NEG.W D0
00000e7e b043 CMP.W D3,D0
00000e80 6ec2 BGT L101
00000e82 dbaefd2 ADD.L D5,-46(A6)
00000e86 2c2effce MOVE.L -50(A6),D6
00000e8a dd84 ADDX.LD4,D6
00000e8c 2d46ffce MOVE.LD6,-50(A6)
00000e90 45ec0298 LEA 664(A4),A2
00000e94 2012 MOVE.L(A2),D0
00000e96 6744 BEQ L104
00000e98 2f00 MOVE.LD0,-(SP)
00000e9a 4e4fa021 TRAP #15
00000e9e 2008 DC.W sysTrapMemHandleLock
00000ea0 584f MOVE.LA0,D0
00000ea2 6738 ADDQ.W #4,SP
00000ea4 3f3c003a BEQ L104
00000ea8 3f3c008a MOVE.W #3a,-(SP)
00000eac 2f00 MOVE.W #8a,-(SP)
00000eae 4e4fa226 MOVE.LD0,-(SP)
00000eb2 2f12 TRAP #15
00000eb4 4e4fa022 DC.W sysTrapWinDrawBitmap
00000eb8 00000e8 MOVE.L(A2),-(SP)
00000ebc defc000c TRAP #15
00000ec0 6000001e DC.W sysTrapMemHandleUnlock
00000ec2 2d7c008a003affe6 ADDA.W #c,SP
00000ec4 2d7c000c0005ffea BRA L104
00000ec6 4267 MOVE.L #8a003a,-26(A6)
00000ec8 486effe6 MOVE.L #c0005,-22(A6)
00000eda 4e4fa219 CLR.W -(SP)
00000eae PEA -26(A6)
00000eb2 TRAP #15
00000eac DC.W sysTrapWinEraseRectangle
00000ead 5c4f ADDQ.W #6,SP
00000eaf 4243 CLR.W D3
00000eb0 b64b CMP.W A3,D3 -> A3 = 48
00000eb2 6c4e BGE L106
00000eb4 5243 ADDQ.W #1,D3
00000eb6 344b MOVEA.W A3,A2
00000eb8 94c3 SUBA.WD3,A2
00000eba 344a MOVEA.W A2,A2 -> 47
00000ebc 7c00 MOVEQ #0,D6
00000ebd 7e0a MOVEQ #10,D7
00000ebf 2f07 MOVE.LD7,-(SP)
00000ec1 2f06 MOVE.LD6,-(SP)
00000ec3 2f2effd2 MOVE.L -46(A6),-(SP)
00000ec5 2f2effce MOVE.L -50(A6),-(SP)
00000ec7 6100542c BSR L515 -> (0,0,0,4A)
00000ec9 defc0010 ADDA.W #10,SP
00000eca 1e01 MOVE.BD1,D7
00000ecb 06070030 ADDI.B #30,D7
00000ecd 1587e8ee MOVE.BD7,-512(A2,A6.L)
00000ece 7c00 MOVEQ #0,D6
00000ecf 7e0a MOVEQ #10,D7
00000ed1 2f07 MOVE.LD7,-(SP)
00000ed3 2f06 MOVE.LD6,-(SP)
00000ed5 2f2effd2 MOVE.L -46(A6),-(SP)
00000ed7 2f2effce MOVE.L -50(A6),-(SP)
00000ed9 61005a2e BSR L544 -> (0,0,0,4A)
00000edb defc0010 ADDA.W #10,SP
00000ede 2d40ffce MOVE.LD0,-50(A6) = 0
00000edf 2d41ffd2 MOVE.LD1,-46(A6) = 0
00000ee1 b64b CMP.W A3,D3
00000ee3 6db2 BLT L105

```

L102

L103 708f0

7090c L104

70912 L105

7092A ->

7092E ->

7094c ->

70950 ->

```

ADDX.LD0,D4
ADDQ.W #1,D3
MOVE.W 18(A4),D0
NEG.W D0
CMP.W D3,D0
BGT L101
ADD.L D5,-46(A6)
MOVE.L -50(A6),D6
ADDX.LD4,D6
MOVE.LD6,-50(A6)
LEA 664(A4),A2
MOVE.L(A2),D0
BEQ L104
MOVE.LD0,-(SP)
TRAP #15
DC.W sysTrapMemHandleLock
MOVE.LA0,D0
ADDQ.W #4,SP
BEQ L104
MOVE.W #3a,-(SP)
MOVE.W #8a,-(SP)
MOVE.LD0,-(SP)
TRAP #15
DC.W sysTrapWinDrawBitmap
MOVE.L(A2),-(SP)
TRAP #15
DC.W sysTrapMemHandleUnlock
ADDA.W #c,SP
BRA L104
MOVE.L #8a003a,-26(A6)
MOVE.L #c0005,-22(A6)
CLR.W -(SP)
PEA -26(A6)
TRAP #15
DC.W sysTrapWinEraseRectangle
ADDQ.W #6,SP
CLR.W D3
CMP.W A3,D3
BGE L106
ADDQ.W #1,D3
MOVEA.W A3,A2
SUBA.WD3,A2
MOVEA.W A2,A2
MOVEQ #0,D6
MOVEQ #10,D7
MOVE.LD7,-(SP)
MOVE.LD6,-(SP)
MOVE.L -46(A6),-(SP)
MOVE.L -50(A6),-(SP)
BSR L515
ADDA.W #10,SP
MOVE.BD1,D7
ADDI.B #30,D7
MOVE.BD7,-512(A2,A6.L)
MOVEQ #0,D6
MOVEQ #10,D7
MOVE.LD7,-(SP)
MOVE.LD6,-(SP)
MOVE.L -46(A6),-(SP)
MOVE.L -50(A6),-(SP)
BSR L544
ADDA.W #10,SP
MOVE.LD0,-50(A6)
MOVE.LD1,-46(A6)
CMP.W A3,D3
BLT L105

```

0x1C83AE

0x1C83A

draw seconds-remaining makes?

-> A3 = 48

convert input PW to string (if it exists)

(0,0,0,4A) -> result D0 = 0
D1 = 0
I to A? 0x1C85A

(0,0,0,4A) -> loop until D3 > A3 string?

00000f30	304b		MOVEA.W A3,A0	00000ff8	41ec0370		LEA 880 (A4),A0
00000f32	4230e8ee		CLR.B -\$12 (A0,A6.L)	00000ffc	1230a800		MOVE.B0 (A0,A2.L),D1
00000f36	2e2effda		MOVE.L-38 (A6),D7	00001000	4881		EXT.W D1
00000f3a	beac0364		CMP.L 868 (A4),D7	00001002	41ec023c		LEA 572 (A4),A0
00000f3e	6624		BNE L108	00001006	10302000		MOVE.B0 (A0,D2.W),D0
00000f40	226c035c		MOVEA.L 860 (A4),A1	0000100a	4880		EXT.W D0
00000f44	b3eeffff		CMPA.L-8 (A6),A1	0000100c	0640ffa0		ADDI.W#-\$60,D0
00000f48	661a		BNE L108	00001010	d240		ADD.W D0,D1
00000f4a	4243		CLR.W D3	00001012	0c410009		CMPI.W#9,D1
00000f4c	b64b		CMP.W A3,D3	00001016	6f04		BLE L116
00000f4e	6c5e		BGE L110	00001018	0641fff6		ADDI.W#-\$a,D1
00000f50	41ec0370	L107	LEA 880 (A4),A0	0000101c	06010030	L116	ADDI.B#\$30,D1
00000f54	1db0300030ee		MOVE.B0 (A0,D3.W),-\$12 (A6,D3.W)	00001020	1581e8ee		MOVE.BD1,-\$12 (A2,A6.L)
00000f5a	5243		ADDQ.W#1,D3	00001024	5343		SUBQ.W#1,D3
00000f5c	b64b		CMP.W A3,D3	00001026	51caffca		DBRA D2,L115
00000f5e	6df0		BLT L107	0000102a	304b	L117	MOVEA.W A3,A0
00000f60	6000004c		BRA L110	0000102c	4230e8ee		CLR.B -\$12 (A0,A6.L)
00000f64	3f2efffa	L108	MOVE.W-6 (A6),-(SP)	00001030	486effee		PEA -18 (A6)
00000f68	4267		CLR.W -(SP)	00001034	45ec0368	L118	LEA 872 (A4),A2
00000f6a	3f3c0004		MOVE.W#4,-(SP)	00001038	2f12		MOVE.L (A2),-(SP)
00000f6e	3f3c0002		MOVE.W#2,-(SP)	0000103a	6100f9c0		BSR L74
00000f72	3f0b		MOVE.WA3,-(SP)	0000103e	2f12		MOVE.L (A2),-(SP)
00000f74	41ec01a4		LEA 420 (A4),A0	00001040	4e4fa135		TRAP #15
00000f78	48680001		PEA 1 (A0)	00001044	00001044		sysTrapFldDrawField
00000f7c	2f2efffc		MOVE.L-4 (A6),-(SP)	00001048	defc000c		ADDA.W#\$c,SP
00000f80	486effee		PEA -18 (A6)	00001048	4280		CLR.L D0
00000f84	6100193e		BSR L353	0000104a	302effe0		MOVE.W-32 (A6),D0
00000f88	296effda0364		MOVE.L-38 (A6),868 (A4)	0000104e	0080003b0000		ORI.L #93b0000,D0
00000f8e	296efff8035c		MOVE.L-8 (A6),860 (A4)	00001054	2d40ffde		MOVE.LD0,-34 (A6)
00000f94	4243		CLR.W D3	00001058	4280		CLR.L D0
00000f96	defc0016		ADDA.W#\$16,SP	0000105a	302effe4		MOVE.W-28 (A6),D0
00000f9a	b64b		CMP.W A3,D3	0000105e	0080000a0000		ORI.L #a0000,D0
00000f9c	6c10		BGE L110	00001064	2d40ffe2		MOVE.LD0,-30 (A6)
00000f9e	41ec0370	L109	LEA 880 (A4),A0	00001068	3d7c0002ffe4		MOVE.W#2,-28 (A6)
00000fa2	11b630ee3000		MOVE.B-\$12 (A6,D3.W),0 (A0,D3.W)	0000106e	4243		CLR.W D3
00000fa8	5243		ADDQ.W#1,D3	00001070	7a05		MOVEQ #5,D5
00000faa	b64b		CMP.W A3,D3	00001072	783e		MOVEQ #62,D4
00000fac	6df0		BLT L109	00001074	3d44ffe0	L119	MOVE.WD4,-32 (A6)
00000fae	4a6c0012	L110	TST.W 18 (A4)	00001078	3045		MOVEA.W D5,A0
00000fb2	6d1a		BLT L112	0000107a	b1eeffd6		CMPA.L-42 (A6),A0
00000fb4	4243		CLR.W D3	0000107e	630e		BLS L120
00000fb6	b64b		CMP.W A3,D3	00001080	4267		CLR.W -(SP)
00000fb8	6c70		BGE L117	00001082	486effde		PEA -34 (A6)
00000fba	41ec0370	L111	LEA 880 (A4),A0	00001086	4e4fa218		TRAP #15
00000fbe	1db0300030ee		MOVE.B0 (A0,D3.W),-\$12 (A6,D3.W)	0000108a	0000108a	DC.W	sysTrapWinDrawRectangle
00000fc4	5243		ADDQ.W#1,D3	0000108a	6000000c		BRA L121
00000fc6	b64b		CMP.W A3,D3	0000108e	4267	L120	CLR.W -(SP)
00000fc8	6df0		BLT L111	00001090	486effde		PEA -34 (A6)
00000fca	6000005e		BRA L117	00001094	4e4fa219		TRAP #15
00000fce	4243	L112	CLR.W D3	00001098	00001098	L121	DC.W sysTrapWinEraseRectangle
00000fd0	b64b		CMP.W A3,D3	00001098	5c4f	L121	ADDQ.W#6,SP
00000fd2	6c10		BGE L114	0000109a	0645000a		ADDI.W#\$a,D5
00000fd4	41ec0370	L113	LEA 880 (A4),A0	0000109e	5644		ADDQ.W#3,D4
00000fd8	1db0300030ee		MOVE.B0 (A0,D3.W),-\$12 (A6,D3.W)	000010a0	5243		ADDQ.W#1,D3
00000fde	5243		ADDQ.W#1,D3	000010a2	0c430005		CMPI.W#5,D3
00000fe0	b64b		CMP.W A3,D3	000010a6	6fcc		BLE L119
00000fe2	6df0		BLT L113	000010a8	48780064		PEA \$0064.W
00000fe4	342c0012	L114	MOVE.W18 (A4),D2	000010ac	6100f9aa		BSR L77
00000fe8	4642		NOT.W D2	000010b0	4cee0cf8ffb0	L122	MOVEM.L -80 (A6),D3-D7/A2/A3
00000fea	360b		MOVE.WA3,D3	000010b6	4e5e		UNLK A6
00000fec	5343		SUBQ.W#1,D3	000010b8	4e75		RTS
00000fee	4a42		TST.W D2				
00000ff0	6d38		BLT L117	000010ba	4e56fff8	L123	LINK A6,#-8
00000ff2	4a43	L115	TST.W D3	000010be	2f04		MOVE.LD4,-(SP)
00000ff4	6d34		BLT L117	000010c0	2f03		MOVE.LD3,-(SP)
00000ff6	3443		MOVEA.W D3,A2	000010c2	0c2c00010010		CMPI.B#1,16 (A4)

70960

70980

70994

709B4
709B8

Ap=88
or B300 with or 1696

ALGORITHM CALCULATOR
← data, the code of pt

70A70
70A74

- low the code

void main() D3 = 1C404 = 5818 B860 CF49 8E47
 DmopenRef D4 = 1C554 = F858 3849 8E8A 8D87
 AC44 C4F8 8F7A 820D
 6CC8 8854 4546 88C8

write string to key file

Get HostSync
Username

```

000010c8 67000090 BEQ L127
000010cc 42a7 CLR.L -(SP)
000010ce 486efffa PEA -6(A6)
000010d2 42a7 CLR.L -(SP)
000010d4 42a7 CLR.L -(SP)
000010d6 486efffc PEA -4(A6)
000010da 2f2c0008 MOVE.L8(A4),-(SP)
000010de 4e4fa04c TRAP #15
000010e2 DC.W sysTrapDmOpenDatabaseInfo
000010e2 defc0018 ADDA.W#18,SP
000010e6 4a40 TST.W D0
000010e8 6642 BNE L125
000010ea 3f3c0003 MOVE.W#3,-(SP)
000010ee 2f2efffc MOVE.L-4(A6),-(SP)
000010f2 3f2efffa MOVE.W-6(A6),-(SP)
000010f6 4e4fa049 TRAP #15
000010fa DC.W sysTrapDmOpenDatabase
000010fa 2808 MOVE.LA0,D4
000010fc 504f ADDQ.W#8,SP
000010fe 672c BEQ L125
00001100 3f3c0001 MOVE.W#1,-(SP)
00001104 2f3c53634944 MOVE.L#53634944,-(SP)
0000110a 4e4fa060 TRAP #15
0000110e DC.W sysTrapDmGet1Resource
0000110e 2608 MOVE.LA0,D3
00001110 5c4f ADDQ.W#6,SP
00001112 6712 BEQ L124
00001114 2f03 MOVE.LD3,-(SP)
00001116 4e4fa021 TRAP #15
0000111a DC.W sysTrapMemHandleLock
0000111a 2008 MOVE.LA0,D0
0000111c 584f ADDQ.W#4,SP
0000111e 6612 BNE L126
00001120 2f03 MOVE.LD3,-(SP)
00001122 4e4fa061 TRAP #15
00001126 L124 DC.W sysTrapDmReleaseResource
00001126 2f04 MOVE.LD4,-(SP)
00001128 4e4fa04a TRAP #15
0000112c L125 DC.W sysTrapDmCloseDatabase
0000112c 4240 CLR.W D0
0000112e 60000034 BRA L129
00001132 2f2e0010 MOVE.L16(A6),-(SP)
00001136 2f2e0008 MOVE.L8(A6),-(SP)
0000113a 2f2e000c MOVE.L12(A6),-(SP)
0000113e 2f00 MOVE.LD0,-(SP)
00001140 4e4fa076 TRAP #15
00001144 DC.W sysTrapDmWrite
00001144 2f03 MOVE.LD3,-(SP)
00001146 4e4fa022 TRAP #15
0000114a DC.W sysTrapMemHandleUnlock
0000114a 2f03 MOVE.LD3,-(SP)
0000114c 4e4fa061 TRAP #15
00001150 DC.W sysTrapDmReleaseResource
00001150 2f04 MOVE.LD4,-(SP)
00001152 4e4fa04a TRAP #15
00001156 DC.W sysTrapDmCloseDatabase
00001156 6000000a BRA L128
0000115a 3f3c0492 MOVE.W#492,-(SP)
0000115e 4e4fa192 TRAP #15
00001162 L128 DC.W sysTrapFrmAlert
00001162 7001 MOVEQ #1,D0
00001164 262efff0 MOVE.L-16(A6),D3
00001168 282efff4 MOVE.L-12(A6),D4
0000116c 4e5e UNLK A6
0000116e 4e75 RTS

```

70AFC

if demo mode...
etc

70B26

- SCID
open key file

70B4A

0x230E2
data from key file

70B62

offset
- DmWirk (key file, Y,
or 1604, 918)
src len
24105

→ dm mode aka

```

00001170 4e560000 L130 LINK A6,#0
00001174 2f0a MOVE.LA2,-(SP)
00001176 48780029 PEA $0029.W
0000117a 4e4fa01e TRAP #15
0000117e DC.W sysTrapMemHandleNew
0000117e 2f08 MOVE.LA0,-(SP)
00001180 4e4fa021 TRAP #15
00001184 DC.W sysTrapMemHandleLock
00001184 2448 MOVEA.L A0,A2
00001186 43fafb00 LEA L88,A1
0000118a 2f09 MOVE.LA1,-(SP)
0000118c 2f0a MOVE.LA2,-(SP)
0000118e 4e4fa0c5 TRAP #15
00001192 DC.W sysTrapStrCopy
00001192 defc0010 ADDA.W#10,SP
00001196 0c2c00010010 CMPI.B#1,16(A4)
0000119c 6714 BEQ L131
0000119e 42a7 CLR.L -(SP)
000011a0 42a7 CLR.L -(SP)
000011a2 2f0a MOVE.LA2,-(SP)
000011a4 42a7 CLR.L -(SP)
000011a6 42a7 CLR.L -(SP)
000011a8 42a7 CLR.L -(SP)
000011aa 4e4fa2a9 TRAP #15
000011ae DC.W sysTrapDlKGetSyncInfo
000011ae defc0018 ADDA.W#18,SP
000011b2 422a0028 CLR.B 40(A2)
000011b6 4240 CLR.W D0
000011b8 41ec025c LEA 604(A4),A0
000011bc 11b200000000 MOVE.B0(A2,D0.W),0(A0,D0.W)
000011c2 5240 ADDQ.W#1,D0
000011c4 0c400028 CMPI.W#$28,D0
000011c8 6fee BLE L132
000011ca 2f0a MOVE.LA2,-(SP)
000011cc 4e4fa035 TRAP #15
000011d0 DC.W sysTrapMemPtrUnlock
000011d0 246efffc MOVEA.L -4(A6),A2
000011d4 4e5e UNLK A6
000011d6 4e75 RTS
-----
000011d8 4e56fffc L133 LINK A6,#-4
000011dc 42a7 CLR.L -(SP)
000011de 42a7 CLR.L -(SP)
000011e0 42a7 CLR.L -(SP)
000011e2 486efffc PEA -4(A6)
000011e6 42a7 CLR.L -(SP)
000011e8 42a7 CLR.L -(SP)
000011ea 42a7 CLR.L -(SP)
000011ec 4267 CLR.W -(SP)
000011ee 4e4fa004 TRAP #15
000011f2 DC.W sysTrapMemCardInfo
000011f2 202efffc MOVE.L-4(A6),D0
000011f6 4e5e UNLK A6
000011f8 4e75 RTS
-----
000011fa 4e56fe38 L134 LINK A6,#-456
000011fe 48e71f30 MOVEM.L D3-D7/A2/A3,-(SP)
00001202 1e2e0008 MOVE.B8(A6),D7
00001206 2a2e000a MOVE.L10(A6),D5
0000120a 4206 CLR.B D6
0000120c 4a85 TST.L D5
0000120e 6606 BNE L135
00001210 43fafa76 LEA L88,A1
00001214 2a09 MOVE.LA1,D5
00001216 0c070001 CMPI.B#1,D7
0000121a 6644 BNE L136

```

70BC2

70BDE

70BFA

70C08

70C22

70C2A

70C46

username
move string
from A2 to
A0
(0x1B1F8)
int label?
resource?

Get MemCard Info
UnkPTR CRDInfo
D5 = B295B340Set
Veris
Passphrase?
first time
- D7 = 08

writes new string to key file on first program execution only
D5C009 C60E 0007 E845 E6AB 75FE 9B94 81A7 9BBC 0480 685B
Passphrase

0000121c	4a2c01a4	TST.B 420(A4)
00001220	670002c6	BEQ L145
00001224	48780008	PEA \$0008.W
00001228	486effe0	PEA -32(A6)
0000122c	486effe8	PEA -24(A6)
00001230	4e4fa026	TRAP #15
00001234		sysTrapMemMove
00001238	48780008	PEA \$0008.W
0000123c	41ec01a4	LEA 420(A4),A0
00001240	48680001	PEA 1(A0)
00001244	486efff0	PEA -16(A6)
00001248	4e4fa026	TRAP #15
00001248	1f3c0008	sysTrapMemMove
0000124c	48780008	MOVE.B#8,-(SP)
00001250	486efff8	PEA \$0008.W
00001254	4e4fa027	PEA -8(A6)
00001258		TRAP #15
00001258	defc0022	sysTrapMemSet
0000125c	60000060	ADDA.W#\$22,SP
00001260	0c2c00010010	BRA L139
00001266	6714	CMPI.B#1,16(A4)
00001268	202c000c	BEQ L137
0000126c	6700027a	MOVE.L12(A4),D0
00001270	2f00	BEQ L145 -if null
00001272	4e4fa021	MOVE.LD0,-(SP)
00001276		TRAP #15
00001276	584f	sysTrapMemHandleLock
00001278	60000006	ADDQ.W#4,SP
0000127c	41ec013c	BRA L138
00001280	b0fc0000	LEA 316(A4),A0
00001284	67000262	CMPA.W#0,A0
00001288	48780018	BEQ L145 -if null
0000128c	48680004	PEA \$0018.W
00001290	45eeffe8	PEA 4(A0)
00001294	2f0a	LEA -24(A6),A2
00001296	4e4fa026	MOVE.LA2,-(SP)
0000129a		TRAP #15
0000129a	48780008	sysTrapMemMove
0000129e	2f0a	PEA \$0008.W
000012a0	486effe0	MOVE.LA2,-(SP)
000012a4	4e4fa026	PEA -32(A6)
000012a8		TRAP #15
000012a8	defc0018	sysTrapMemMove
000012ac	0c2c00010010	ADDA.W#\$18,SP
000012b2	670a	CMPI.B#1,16(A4)
000012b4	2f2c000c	BEQ L139
000012b8	4e4fa022	MOVE.L12(A4),-(SP)
000012bc		TRAP #15
000012bc	584f	sysTrapMemHandleUnlock
000012be	2f05	ADDQ.W#4,SP
000012c0	4e4fa0c7	MOVE.LD5,-(SP)
000012c4	3600	TRAP #15
000012c8	486c00dc	sysTrapStrLen
000012ca	610042e6	MOVE.WD0,D3
000012cc	3643	PEA 220(A4)
000012d0	2f0b	BSR L456
000012d2	2f05	MOVEA.W D3,A3
000012d4	486c00dc	MOVE.LA3,-(SP)
000012d8	6100430e	MOVE.LD5,-(SP)
000012dc	defc0014	PEA 220(A4)
000012e0	0c070001	BSR L457
000012e4	57c1	ADDA.W#\$14,SP
000012e6	4881	CMPI.B#1,D7 - D7=0, 1st time
000012e8	4441	SEQ D1
		EXT.W D1
		NEG.W D1

0x100fc

if D7=1
 constant
 08080808
 M=00
 D0=800FFB22, handle

if D7=0
 decrypt

passphrase

- chaptr 70688

→ MDS prep.
 * to passphrase in ASCII
 - length of passphrase

→ MDS

70c4c

70c0a

70c04

70c08

70c90

70ca0

70ccb

70cd4

70cea

70cfe

70d04

70d0c

000012ea	4a2effe0	TST.B -32(A6)
000012ee	56c0	SNE D0
000012f0	4880	EXT.W D0
000012f2	4440	NEG.W D0
000012f4	8240	OR.W D0,D1
000012f6	6750	BEQ L140
000012f8	486c025c	PEA 604(A4)
000012fc	4e4fa0c7	TRAP #15
00001300		sysTrapStrLen
00001300	3f00	MOVE.WD0,-(SP)
00001302	4267	CLR.W -(SP)
00001304	486c025c	PEA 604(A4)
00001308	486c00dc	PEA 220(A4)
0000130c	610042da	BSR L457
00001310	486c028c	PEA 652(A4)
00001314	4e4fa0c7	TRAP #15
00001318		sysTrapStrLen
00001318	3f00	MOVE.WD0,-(SP)
0000131a	4267	CLR.W -(SP)
0000131c	486c028c	PEA 652(A4)
00001320	486c00dc	PEA 220(A4)
00001324	610042c2	BSR L457
00001328	002e0001ffe0	ORT.B #1,-32(A6)
0000132e	defc001c	ADDA.W#\$1c,SP
00001332	2ebc00000008	MOVE.L#8,(SP)
00001338	486effe0	PEA -32(A6)
0000133c	486effe8	PEA -24(A6)
00001340	4e4fa026	TRAP #15
00001344		sysTrapMemMove
00001344	defc000c	ADDA.W#\$c,SP
00001348	486c00dc	PEA 220(A4)
0000134c	45eeffb8	LEA -72(A6),A2
00001350	2f0a	MOVE.LA2,-(SP)
00001352	61004d00	BSR L497
00001356	280e	MOVE.LA6,D4
00001358	0683fffff38	ADDI.L#-3c8,D4
0000135e	2f04	MOVE.LD4,-(SP)
00001360	2f0a	MOVE.LA2,-(SP)
00001362	61002938	BSR L438
00001366	260e	MOVE.LA6,D3
00001368	0683fffffeb8	ADDI.L#-148,D3
0000136e	2f03	MOVE.LD3,-(SP)
00001370	486effc0	PEA -64(A6)
00001374	61002926	BSR L438
00001378	486c00dc	PEA 220(A4)
0000137c	61004234	BSR L456
00001380	48780010	PEA \$0010.W
00001384	2f0a	MOVE.LA2,-(SP)
00001386	486c00dc	PEA 220(A4)
0000138a	6100425c	BSR L457
0000138e	defc0024	ADDA.W#\$24,SP
00001392	2e8b	MOVE.LA3,(SP)
00001394	2f05	MOVE.LD5,-(SP)
00001396	486c00dc	PEA 220(A4)
0000139a	6100424c	BSR L457
0000139e	486c00dc	PEA 220(A4)
000013a2	2f0a	MOVE.LA2,-(SP)
000013a4	61004cae	BSR L497
000013a8	47eeef38	LEA -456(A6),A3
000013ac	2f0b	MOVE.LA3,-(SP)
000013ae	2f0a	MOVE.LA2,-(SP)
000013b0	610028ea	BSR L438
000013b4	defc001c	ADDA.W#\$1c,SP
000013b8	0c070001	CMPI.B#1,D7 - D7=0
000013bc	6658	BNE L141
000013be	3f3c0001	MOVE.W#1,-(SP)

70d26

70d2c

70d44

70d70

70d78

70d86

70d92

70d96

70dA4

70dAc

70dBA

70dCA

70dD4

70dD8

70dE0

70dE4

000012ea	4a2effe0	TST.B -32(A6)
000012ee	56c0	SNE D0
000012f0	4880	EXT.W D0
000012f2	4440	NEG.W D0
000012f4	8240	OR.W D0,D1
000012f6	6750	BEQ L140
000012f8	486c025c	PEA 604(A4)
000012fc	4e4fa0c7	TRAP #15
00001300		sysTrapStrLen
00001300	3f00	MOVE.WD0,-(SP)
00001302	4267	CLR.W -(SP)
00001304	486c025c	PEA 604(A4)
00001308	486c00dc	PEA 220(A4)
0000130c	610042da	BSR L457
00001310	486c028c	PEA 652(A4)
00001314	4e4fa0c7	TRAP #15
00001318		sysTrapStrLen
00001318	3f00	MOVE.WD0,-(SP)
0000131a	4267	CLR.W -(SP)
0000131c	486c028c	PEA 652(A4)
00001320	486c00dc	PEA 220(A4)
00001324	610042c2	BSR L457
00001328	002e0001ffe0	ORT.B #1,-32(A6)
0000132e	defc001c	ADDA.W#\$1c,SP
00001332	2ebc00000008	MOVE.L#8,(SP)
00001338	486effe0	PEA -32(A6)
0000133c	486effe8	PEA -24(A6)
00001340	4e4fa026	TRAP #15
00001344		sysTrapMemMove
00001344	defc000c	ADDA.W#\$c,SP
00001348	486c00dc	PEA 220(A4)
0000134c	45eeffb8	LEA -72(A6),A2
00001350	2f0a	MOVE.LA2,-(SP)
00001352	61004d00	BSR L497
00001356	280e	MOVE.LA6,D4
00001358	0683fffff38	ADDI.L#-3c8,D4
0000135e	2f04	MOVE.LD4,-(SP)
00001360	2f0a	MOVE.LA2,-(SP)
00001362	61002938	BSR L438
00001366	260e	MOVE.LA6,D3
00001368	0683fffffeb8	ADDI.L#-148,D3
0000136e	2f03	MOVE.LD3,-(SP)
00001370	486effc0	PEA -64(A6)
00001374	61002926	BSR L438
00001378	486c00dc	PEA 220(A4)
0000137c	61004234	BSR L456
00001380	48780010	PEA \$0010.W
00001384	2f0a	MOVE.LA2,-(SP)
00001386	486c00dc	PEA 220(A4)
0000138a	6100425c	BSR L457
0000138e	defc0024	ADDA.W#\$24,SP
00001392	2e8b	MOVE.LA3,(SP)
00001394	2f05	MOVE.LD5,-(SP)
00001396	486c00dc	PEA 220(A4)
0000139a	6100424c	BSR L457
0000139e	486c00dc	PEA 220(A4)
000013a2	2f0a	MOVE.LA2,-(SP)
000013a4	61004cae	BSR L497
000013a8	47eeef38	LEA -456(A6),A3
000013ac	2f0b	MOVE.LA3,-(SP)
000013ae	2f0a	MOVE.LA2,-(SP)
000013b0	610028ea	BSR L438
000013b4	defc001c	ADDA.W#\$1c,SP
000013b8	0c070001	CMPI.B#1,D7 - D7=0
000013bc	6658	BNE L141
000013be	3f3c0001	MOVE.W#1,-(SP)

1B1F8
 H073vc vae
 "Palm OS Emulator"
 50b16c60204c
 5320456D756C
 6174 6F72
 45888 - 1B1F8
 0x100fc
 2c5c0001 ?
 06060007

0x1B078 mds ret.
 0x100fc
 1c7c6 decrypt
 10716
 1c7c6
 mds?

pass init
 up date (ctx, mds, 910)

up date (ctx, n =, 0)
 find
 = 1c646 - output
 = 1c7c6 - input

des-seq-key

```

000013c2 2f04 MOVE.LD4,-(SP)
000013c4 45eefff0 LEA -16(A6),A2
000013c8 2f0a MOVE.LA2,-(SP)
000013ca 2f0a MOVE.LA2,-(SP)
000013cc 6100298a -BSR L445
000013d0 4267 CLR.W -(SP)
000013d2 2f03 MOVE.LD3,-(SP)
000013d4 2f0a MOVE.LA2,-(SP)
000013d6 2f0a MOVE.LA2,-(SP)
000013d8 6100297e -BSR L445
000013dc 3f3c0001 MOVE.W#1,-(SP)
000013e0 2f0b MOVE.LA3,-(SP)
000013e2 2f0a MOVE.LA2,-(SP)
000013e4 2f0a MOVE.LA2,-(SP)
000013e6 61002970 -BSR L445
000013ea defc002a ADDA.W#$2a,SP
000013ee 3f3c0001 MOVE.W#1,-(SP)
000013f2 2f04 MOVE.LD4,-(SP)
000013f4 45eefff8 LEA -8(A6),A2
000013f8 2f0a MOVE.LA2,-(SP)
000013fa 2f0a MOVE.LA2,-(SP)
000013fc 6100295a -BSR L445
00001400 4267 CLR.W -(SP)
00001402 2f03 MOVE.LD3,-(SP)
00001404 2f0a MOVE.LA2,-(SP)
00001406 2f0a MOVE.LA2,-(SP)
00001408 6100294e -BSR L445
0000140c 3f3c0001 MOVE.W#1,-(SP)
00001410 2f0b MOVE.LA3,-(SP)
00001412 60000052 BRA L142
00001416 4267 CLR.W -(SP)
00001418 2f0b MOVE.LA3,-(SP)
0000141a 45eefff0 LEA -16(A6),A2
0000141e 2f0a MOVE.LA2,-(SP)
00001420 2f0a MOVE.LA2,-(SP)
00001422 61002934 -BSR L445
00001426 3f3c0001 MOVE.W#1,-(SP)
0000142a 2f03 MOVE.LD3,-(SP)
0000142c 2f0a MOVE.LA2,-(SP)
0000142e 2f0a MOVE.LA2,-(SP)
00001430 61002926 -BSR L445
00001434 4267 CLR.W -(SP)
00001436 2f04 MOVE.LD4,-(SP)
00001438 2f0a MOVE.LA2,-(SP)
0000143a 2f0a MOVE.LA2,-(SP)
0000143c 6100291a -BSR L445
00001440 defc002a ADDA.W#$2a,SP
00001444 4267 CLR.W -(SP)
00001446 2f0b MOVE.LA3,-(SP)
00001448 45eefff8 LEA -8(A6),A2
0000144c 2f0a MOVE.LA2,-(SP)
0000144e 2f0a MOVE.LA2,-(SP)
00001450 61002906 -BSR L445
00001454 3f3c0001 MOVE.W#1,-(SP)
00001458 2f03 MOVE.LD3,-(SP)
0000145a 2f0a MOVE.LA2,-(SP)
0000145c 2f0a MOVE.LA2,-(SP)
0000145e 610028f8 -BSR L445
00001462 4267 CLR.W -(SP)
00001464 2f04 MOVE.LD4,-(SP)
00001466 2f0a MOVE.LA2,-(SP)
00001468 2f0a MOVE.LA2,-(SP)
0000146a 610028ec -BSR L445
0000146e defc002a ADDA.W#$2a,SP
00001472 0c070001 CMPI.B#1,D7
00001476 661a BNE L143

```

70DFC
~~70DFC~~

70E08

70E16

70E2C

70E38

70E46
-L141

70E52

70E60

70E6C

70E80

70E8E

70E9A

70E9E

DES?

if D7=0

ENCRYPT

if D7=0
des.ecb-encrypt

DECRYPT

```

00001478 48780018 PEA $0018.W
0000147c 48780004 PEA $0004.W
00001480 486effe8 PEA -24(A6)
00001484 6100fc34 BSR L123
00001488 1c00 MOVE.BD0,D6
0000148a defc000c ADDA.W#sc,SP
0000148e 60000058 BRA L145
00001492 7010 MOVEQ #16,D0
00001494 0c36000800e8 CMPI.B#8,-$18(A6,D0.W)
0000149a 664c BNE L145
0000149c 5240 ADDQ.W#1,D0
0000149e 0c400017 CMPI.W#$17,D0
000014a2 6ff0 BLE L144
000014a4 48780008 PEA $0008.W
000014a8 45eefff0 LEA -16(A6),A2
000014ac 2f0a MOVE.LA2,-(SP)
000014ae 41ec01a4 LEA 420(A4),A0
000014b2 48680001 PEA 1(A0)
000014b6 4e4fa026 TRAP #15
000014ba sysTrapMemMove
000014be LEA 420(A4),A0
000014c2 2f0a PEA 10(A0)
000014c4 610027d6 MOVE.LA2,-(SP)
000014c8 197c000101a4 -BSR L438
000014cc 1c3c0001 MOVE.B#1,420(A4)
000014d2 defc0014 MOVE.B#1,D6
000014d6 4a2effe0 ADDA.W#$14,SP
000014da 660c TST.B -32(A6)
000014dc 2f05 BNE L145
000014de 1f3c0001 MOVE.LD5,-(SP)
000014e2 6100fd16 MOVE.B#1,-(SP)
000014e6 5c4f BSR L134
000014e8 4227 ADDQ.W#6,SP
000014ea 48780018 CLR.B -(SP)
000014ee 486effe8 PEA $0018.W
000014f2 4e4fa027 PEA -24(A6)
000014f6 4227 TRAP #15
000014f8 48780008 sysTrapMemSet
000014fc 486effe0 CLR.B -(SP)
00001500 4e4fa027 PEA $0008.W
00001504 4227 PEA -32(A6)
00001506 48780028 TRAP #15
0000150a 486effb8 sysTrapMemSet
0000150e 4e4fa027 CLR.B -(SP)
00001512 4227 PEA $0028.W
00001514 48780080 PEA -72(A6)
00001518 486eff38 TRAP #15
0000151c 4e4fa027 PEA $0080.W
00001520 4227 PEA -200(A6)
00001524 defc0028 sysTrapMemSet
00001526 4227 CLR.B -(SP)
0000152a 486afeb8 ADDA.W#$28,SP
0000152e 4e4fa027 CLR.B -(SP)
00001532 4227 PEA $0080.W
00001534 48780080 PEA -328(A6)
00001538 486efe38 TRAP #15
0000153c 4e4fa027 sysTrapMemSet
00001540 4227 CLR.B -(SP)
00001542 4878005a PEA $005a.W

```

70EAC

70E22
D7=0
-L143
-L144

70E44

70E2C

70E24

70E86 - DC.W

70E94

70E98

70F18 L145

70F22 - DC.W

70F30 - DC.W

70F3E - DC.W

70F4C - DC.W

70F5E - DC.W

70F6C - DC.W

if plaintext
=> 0808....

70E84 - write new string to

key file
(on first execution)

more plaintext

D7=0

ds.set.log

2nd round - personalization

write out to
1C604, \$18, \$18, \$18

1C7F6, \$B8, \$18

1C7EE, \$8, \$26

1C7C6, \$8, \$34

1C6C6, \$80, \$B8

1C696, \$80, \$62

1B078, \$5A, \$70

00001546 486c00dc PEA 220(A4)
 0000154a 4e4fa027 TRAP #15
 0000154e DC.W sysTrapMemSet
 0000154e 4240 CLR.W D0
 00001550 1006 MOVE.BD6,D0
 00001552 4cee0cf8felc MOVEM.L -484(A6),D3-D7/A2/A3
 00001558 4e5e UNLK A6
 0000155a 4e75 RTS

7097A

0000155c 4e560000 LINK A6,#0
 00001560 4240 CLR.W D0
 00001562 4a2c01a4 TST.B 420(A4)
 00001566 6702 BEQ L146
 00001568 7001 MOVEQ #1,D0
 0000156a 4e5e UNLK A6
 0000156c 4e75 RTS

L146

0000156e 4e560000 LINK A6,#0
 00001572 2f03 MOVE.LD3,-(SP)
 00001574 4203 CLR.B D3
 00001576 0c2c00010010 CMPI.B#1,16(A4)
 0000157c 670e BEQ L148
 0000157e 2f2c000c MOVE.L12(A4),-(SP)
 00001582 4e4fa021 TRAP #15
 00001586 DC.W sysTrapMemHandleLock
 00001586 584f ADDQ.W#4,SP
 00001588 60000006 BRA L149
 0000158c 41ec013c LEA 316(A4),A0
 00001590 b0fc0000 CMPA.W#0,A0
 00001594 672e BEQ L150
 00001598 0c100001 CMPI.B#1,(A0)
 0000159a 6628 BNE L150
 0000159c 48780003 PEA \$0003.W
 000015a0 48680001 PEA 1(A0)
 000015a4 2f2e0008 MOVE.L8(A6),-(SP)
 000015a8 4e4fa026 TRAP #15
 000015ac DC.W sysTrapMemMove
 000015ac 163c0001 MOVE.B#1,D3
 000015b0 defc000c ADDA.W#3c,SP
 000015b4 0c2c00010010 CMPI.B#1,16(A4)
 000015ba 6708 BEQ L150
 000015bc 2f2c000c MOVE.L12(A4),-(SP)
 000015c0 4e4fa022 TRAP #15
 000015c4 L150 DC.W sysTrapMemHandleUnlock
 000015c4 3003 MOVE.WD3,D0
 000015c6 02400001 ANDI.W#1,D0
 000015ca 262efffc MOVE.L-4(A6),D3
 000015ce 4e5e UNLK A6
 000015d0 4e75 RTS

L150

000015d2 4e560000 LINK A6,#0
 000015d6 2f0a MOVE.LA2,-(SP)
 000015d8 246e0008 MOVEA.L 8(A6),A2
 000015dc 0c2c00010010 CMPI.B#1,16(A4)
 000015e2 6622 BNE L152
 000015e4 3f3c0492 MOVE.W#492,-(SP)
 000015e8 4e4fa192 TRAP #15
 000015ec DC.W sysTrapFrmAlert
 000015ec 41ec013c LEA 316(A4),A0
 000015f0 11520001 MOVE.B(A2),1(A0)
 000015f4 116a00010002 MOVE.B1(A2),2(A0)
 000015fa 116a00020003 MOVE.B2(A2),3(A0)
 00001600 7001 MOVEQ #1,D0
 00001602 60000014 BRA L153
 00001606 48780003 PEA \$0003.W
 0000160a 48780001 PEA \$0001.W

L152

Demo made

you are in demo mode

0000160e 2f0a
 00001610 6100faa8
 00001614 024000ff
 00001618 246efffc L153
 0000161c 4e5e
 0000161e 4e75

00001620 4e560000 LINK A6,#0
 00001624 48e71e20 MOVEM.L D3-D6/A2,-(SP)
 00001628 246e0008 MOVEA.L 8(A6),A2
 0000162c 4204 CLR.B D4
 0000162e 2c0c MOVE.LA4,D6
 00001630 284d MOVEA.L A5,A4
 00001632 99fc00000378 SUBA.L#\$378,A4
 00001638 4e4fa173 TRAP #15

71050 L154

0000163c 2a08
 0000163e 3012
 00001640 0c400018
 00001644 6200032e
 00001648 0280000ffff
 0000164e 41fa000c
 00001652 d080
 00001654 30300800
 00001658 4efb0002
 0000165c 031200bc L155
 00001660 03180318
 00001664 01160318
 00001668 03180318
 0000166c 0318022a
 00001670 03180318
 00001674 03180318
 00001678 03180318
 0000167c 031800fe
 00001680 03180318
 00001684 031801bc
 00001688 0318
 0000168a 0318
 0000168c 00323f3c03ea
 00001692 2f05
 00001694 4e4fa180
 00001698 3f00
 0000169a 2f05
 0000169c 4e4fa183
 000016a0
 000016a4 2608
 000016a8 defc000c
 000016ac 0c2c00010010
 000016b0 670e
 000016b4 2f2c000c
 000016b8 4e4fa021

DC.W

L155

DC.W

DC.W

DC.W

L156

L157

71100 -

L158

MOVE.LA2,-(SP)
 BSR L123
 ANDI.W#fff,D0
 MOVEA.L -4(A6),A2
 UNLK A6
 RTS

was that good?
 demo alert
 write to log file

Main Form Handle Event

sysTrapFrmGetActiveForm
 MOVE.LA0,D5
 MOVE.W(A2),D0
 CMPI.W#\$18,D0
 BHI L175
 ANDI.L#\$ffff,D0
 LEA L155,A0
 ADD.L D0,D0
 MOVE.W0(A0,D0.L),D0
 JMP 4(PC,D0.W)
 DC.W #786,#188
 DC.W #792,#792
 DC.W #278,#792
 DC.W #792,#792
 DC.W #792,#554
 DC.W #792,#792
 DC.W #792,#792
 DC.W #792,#792
 DC.W #792,#254
 DC.W #792,#792
 DC.W #792,#444
 BTST.BD1,(A0)+
 BTST.BD1,(A0)+
 ORI.B #3c,-\$16(A2,D0.W)
 MOVE.LD5,-(SP)
 TRAP #15
 sysTrapFrmGetObjectIndex
 MOVE.WD0,-(SP)
 MOVE.LD5,-(SP)
 TRAP #15
 sysTrapFrmGetObjectPtr
 MOVE.LA0,D3
 ADDA.W#3c,SP
 CMPI.B#1,16(A4)
 BEQ L156
 MOVE.L12(A4),-(SP)
 TRAP #15
 sysTrapMemHandleLock
 ADDQ.W#4,SP
 BRA L157
 LEA 316(A4),A0
 CMPA.W#0,A0
 BEQ L158
 PEA 28(A0)
 MOVE.LD3,-(SP)
 BSR L74 - let object ptr
 ADDQ.W#8,SP
 CMPI.B#1,16(A4)
 BEQ L159
 MOVE.L12(A4),-(SP)
 TRAP #15

serial # string

- stamp -

000016e2		DC.W	sysTrapMemHandleUnlock	0000179c	5c4f	ADDQ.W#6, SP
000016e2	584f		ADDQ.W#4, SP	0000179e	4a00	TST.B D0
000016e4	6100f3f2	-L159	BSR L82	000017a0	6700ff6e	BEQ L161
000016e8	6100fa86		BSR L130	000017a4	4227	CLR.B -(SP)
000016ec	45ec0360		LEA 864(A4), A2	000017a6	3f3c0001	MOVE.W#1, -(SP)
000016f0	6100fae6		BSR L133	000017aa	2f03	MOVE.LD3, -(SP)
000016f4	3480		MOVE.WD0, (A2)	000017ac	4e4fa14c	TRAP #15
000016f6	3f00		MOVE.WD0, -(SP)	000017b0		DC.W sysTrapFldScrollField
000016f8	4267		CLR.W -(SP)	000017b0	2f03	MOVE.LD3, -(SP)
000016fa	486c028c		PEA 652(A4)	000017b2	2f05	MOVE.LD5, -(SP)
000016fe	4e4fa0c9		TRAP #15	000017b4	6100f13e	BSR L64
00001702		DC.W	sysTrapStrIToA	000017b8	defc0010	ADDA.W#\$10, SP
00001702	2f05		MOVE.LD5, -(SP)	000017bc	6000ff52	BRA L161
00001704	4e4fa171		TRAP #15	000017c0	0c40000c	CMPI.W#\$c, D0
00001708		DC.W	sysTrapFrmDrawForm	000017c4	6630	BNE L165
00001708	2f03		MOVE.LD3, -(SP)	000017c6	1f3c0001	MOVE.B#1, -(SP)
0000170a	2f05	L160	MOVE.LD5, -(SP)	000017ca	2f03	MOVE.LD3, -(SP)
0000170c	6100f1e6		BSR L64	000017cc	4e4fa14d	TRAP #15
00001710	183c0001	L161	MOVE.B#1, D4	000017d0		DC.W sysTrapFldScrollable
00001714	60000258		BRA L174	000017d0	5c4f	ADDQ.W#6, SP
00001718	322a0004		MOVE.W4(A2), D1	000017d2	4a00	TST.B D0
0000171c	3001		MOVE.WD1, D0	000017d4	6700ff3a	BEQ L161
0000171e	5540		SUBQ.W#2, D0	000017d8	1f3c0001	MOVE.B#1, -(SP)
00001720	0c40008e		CMPI.W#\$8e, D0	000017dc	3f3c0001	MOVE.W#1, -(SP)
00001724	620e		BHI L162	000017e0	2f03	MOVE.LD3, -(SP)
00001726	302a0006		MOVE.W6(A2), D0	000017e2	4e4fa14c	TRAP #15
0000172a	0640fff0		ADDI.W#\$-S10, D0	000017e6		DC.W sysTrapFldScrollField
0000172e	0c400020		CMPI.W#\$20, D0	000017e6	2f03	MOVE.LD3, -(SP)
00001732	631e		BLS L163	000017e8	2f05	MOVE.LD5, -(SP)
00001734	3001	L162	MOVE.WD1, D0	000017ea	6100f108	BSR L64
00001736	0640ffbb		ADDI.W#\$-S45, D0	000017ee	defc0010	ADDA.W#\$10, SP
0000173a	0c400051		CMPI.W#\$51, D0	000017f2	6000ff1c	BRA L161
0000173e	62000234		BHI L175	000017f6	3200	MOVE.WD0, D1
00001742	302a0006		MOVE.W6(A2), D0	000017f8	0641ffd0	ADDI.W#\$-S30, D1
00001746	0640ffc4		ADDI.W#\$-S3c, D0	000017fc	0c410009	CMPI.W#\$9, D1
0000174a	0c400012		CMPI.W#\$12, D0	00001800	6206	BHI L166
0000174e	62000224		BHI L175	00001802	3f01	MOVE.WD1, -(SP)
00001752	183c0001	L163	MOVE.B#1, D4	00001804	6000015e	BRA L173
00001756	6000021c		BRA L175	00001808	0c40000a	CMPI.W#\$a, D0
0000175a	3f3c03ea		MOVE.W#\$3ea, -(SP)	0000180c	66000160	BNE L174
0000175e	2f05		MOVE.LD5, -(SP)	00001810	6100f2da	BSR L83
00001760	4e4fa180		TRAP #15	00001814	6000fefa	BRA L161
00001764		DC.W	sysTrapFrmGetObjectIndex	00001818	42a7	CLR.L -(SP)
00001764	3f00		MOVE.WD0, -(SP)	0000181a	4e4falcl	TRAP #15
00001766	2f05		MOVE.LD5, -(SP)	0000181e		DC.W sysTrapMenuEraseStatus
00001768	4e4fa183		TRAP #15	0000181e	584f	ADDQ.W#4, SP
0000176c		DC.W	sysTrapFrmGetObjectPtr	00001820	302a0008	MOVE.W8(A2), D0
0000176c	2f08		MOVE.LA0, -(SP)	00001824	0c40041c	CMPI.W#\$41c, D0
0000176e	6000ff9a		BRA L160	00001828	6724	BEQ L169
00001772	3f3c03ea		MOVE.W#\$3ea, -(SP)	0000182a	620a	BHI L167
00001776	2f05		MOVE.LD5, -(SP)	0000182c	0c40041b	CMPI.W#\$41b, D0
00001778	4e4fa180		TRAP #15	00001830	670e	BEQ L168
0000177c		DC.W	sysTrapFrmGetObjectIndex	00001832	6000fedc	BRA L161
0000177c	3f00		MOVE.WD0, -(SP)	00001836	0c40041f	CMPI.W#\$41f, D0
0000177e	2f05		MOVE.LD5, -(SP)	0000183a	672c	BEQ L170
00001780	4e4fa183		TRAP #15	0000183c	6000fed2	BRA L161
00001784		DC.W	sysTrapFrmGetObjectPtr	00001840	3f3c0578	MOVE.W#\$578, -(SP)
00001784	2608		MOVE.LA0, D3	00001844	4e4fa19c	TRAP #15
00001786	302a0008		MOVE.W8(A2), D0	00001848		DC.W sysTrapFrmPopupForm
0000178a	defc000c		ADDA.W#\$c, SP	00001848	544f	ADDQ.W#2, SP
0000178e	0c40000b		CMPI.W#\$b, D0	0000184a	6000fec4	BRA L161
00001792	662c		BNE L164	0000184e	6100f988	BSR L133
00001794	4227		CLR.B -(SP)	00001852	4a2c01a4	TST.B 420(A4)
00001796	2f03		MOVE.LD3, -(SP)	00001856	6700feb8	BEQ L161
00001798	4e4fa14d		TRAP #15	0000185a	1f3c0001	MOVE.B#1, -(SP)
0000179c		DC.W	sysTrapFldScrollable	0000185e	6100e7b0	BSR L1

71114
-L159
71118

71132
71138

clear some stuff
let HotSync username
let memcard info
low word of creation date 8348
SP: 1B278 = "45888"
Draw Menu Form (screen) #drawn

And

Popup Confis Form

let memcard info
change pass

popup: change passphrase

second-ordinal.psf

```

00001a00 282efffc      MOVE.L-4(A6),D4
00001a04 4e5e          UNLK A6
00001a06 4e75          RTS
-----
00001a08 436f756c64206e6f7420 L185      DC.B 'Could not read
authentication database'
00001a12 72656164206175746865
00001a1c 6e74696361746966e20
00001a26 6461746162617365
00001a2e 00
00001a2f 736f667469642e63 L186      DC.B '#softid.c'
00001a37 00
00001a38 4e560000      L187      DC.B '#0'
00001a3c 48e71820      LINK A6,#0
00001a40 3f3c0001      MOVEM.L D3/D4/A2,-(SP)
00001a44 2f3c53634944  MOVE.W#1,-(SP)
00001a4a 2f3c41757468  MOVE.L#$53634944,-(SP)
00001a50 4e4fa075      MOVE.L#$41757468,-(SP)
00001a54
-----
DC.W sysTrapDmOpenDatabaseByTypeCreator
00001a54 29480008      MOVE.LA0,8(A4)
00001a58 defc000a      ADDA.W#$a,SP
00001a5c 660000de      BNE L191
00001a60 3f3c044c      MOVE.W#$44c,-(SP)
00001a64 4e4fa192      TRAP #15
00001a68
-----
DC.W sysTrapFrmAlert
00001a68 197c00010010  MOVE.B#1,16(A4)
00001a6e 45ec013c      LEA 316(A4),A2
00001a72 14bc0001      MOVE.B#1,(A2)
00001a76 157c00880001  MOVE.B#-878,1(A2)
00001a7c 157c00140002  MOVE.B#$14,2(A2)
00001a82 157c006c0003  MOVE.B#$6c,3(A2)
00001a88 7204          MOVEQ #4,D1
00001a8a 544f          ADDQ.W#2,SP
00001a8c 42321000      CLR.B 0(A2,D1.W)
00001a90 5241          ADDQ.W#1,D1
00001a92 0c410013      CMPI.W#$13,D1
00001a96 6ff4          BLE L188
00001a98 7214          MOVEQ #20,D1
00001a9a 15bc00081000  MOVE.B#8,0(A2,D1.W)
00001aa0 5241          ADDQ.W#1,D1
00001aa2 0c41001b      CMPI.W#$1b,D1
00001aa6 6ff2          BLE L189
00001aa8 157c0044001c  MOVE.B#$44,28(A2)
00001aae 157c0065001d  MOVE.B#$65,29(A2)
00001ab4 157c006d001e  MOVE.B#$6d,30(A2)
00001aba 157c006f001f  MOVE.B#$6f,31(A2)
00001ac0 157c006e0020  MOVE.B#$6e,32(A2)
00001ac6 157c00730021  MOVE.B#$73,33(A2)
00001acc 157c00740022  MOVE.B#$74,34(A2)
00001ad2 157c00720023  MOVE.B#$72,35(A2)
00001ad8 157c00610024  MOVE.B#$61,36(A2)
00001ade 157c00740025  MOVE.B#$74,37(A2)
00001ae4 157c00690026  MOVE.B#$69,38(A2)
00001aea 157c006f0027  MOVE.B#$6f,39(A2)
00001af0 157c006e0028  MOVE.B#$6e,40(A2)
00001af6 157c00200029  MOVE.B#$20,41(A2)
00001afc 157c006d002a  MOVE.B#$6d,42(A2)
00001b02 157c006f002b  MOVE.B#$6f,43(A2)
00001b08 157c0064002c  MOVE.B#$64,44(A2)
00001b0e 157c0065002d  MOVE.B#$65,45(A2)
00001b14 157c002e002e  MOVE.B#$2e,46(A2)
00001b1a 422a002f      CLR.B 47(A2)
00001b1e 4241          CLR.W D1
00001b20 43ec01a4      LEA 420(A4),A1
00001b24 2009          MOVE.LA1,D0

```

Staff Application

ScID AUTH key file

NOP TRAP #8 BPA (4x)

Have not installed key file

Setup for demo mode

* Do stuff with key file

~~XXXXXXXXXX~~
~~XXXXXXXXXX~~

00001a00-00001b24

```

00001b26 2040          MOVEA.L D0,A0
00001b28 5248          ADDQ.W#1,A0
00001b2a 42301000      CLR.B 0(A0,D1.W)
00001b2e 5241          ADDQ.W#1,D1
00001b30 0c410007      CMPI.W#7,D1
00001b34 6ff4          BLE L190
00001b36 197c000101a4  MOVE.B#1,420(A4)
00001b3c 0c2c00010010  CMPI.B#1,16(A4)
00001b42 670000d0      BEQ L199
00001b46 3f3c0001      MOVE.W#1,-(SP)
00001b4a 2f3c53634944  MOVE.L#$53634944,-(SP)
00001b50 4e4fa060      TRAP #15
-----
DC.W sysTrapDmGetResource
00001b54
-----
MOVE.LA0,D0
00001b54 2008          LEA 12(A4),A2
00001b56 45ec000c      MOVE.LD0,(A2)
00001b5a 2480          ADDQ.W#6,SP
00001b5c 5c4f          BEQ L198
00001b5e 67000098      MOVE.LD0,-(SP)
00001b62 2f00          TRAP #15
00001b64 4e4fa02d      DC.W sysTrapMemHandleSize
00001b68
-----
MOVE.LA0,D0
00001b68 2800          LEA 12(A4),A2
00001b6a 2f12          MOVE.LD0,(A2)
00001b6c 4e4fa021      ADDQ.W#6,SP
00001b70
-----
MOVE.LA0,A2
00001b70 2448          ADDQ.W#8,SP
00001b72 504f          CMPA.W#0,A2
00001b74 b4fc0000      BNE L192
00001b76 6618          LEA L185,A1
00001b78 43fafe8c      MOVE.LA1,-(SP)
00001b7e 2f09          MOVE.W#$454,-(SP)
00001b80 3f3c0454      LEA L186,A1
00001b84 43fafea9      MOVE.LA1,-(SP)
00001b88 2f09          TRAP #15
00001b8a 4e4fa084      DC.W sysTrapErrDisplayFileLineMsg
00001b8e
-----
ADDA.W#$a,SP
00001b8e defc000a      MOVEQ #28,D2
00001b92 741c          CMP.L D4,D2
00001b94 b484          BCC L193
00001b96 6424          CMPI.B#1,(A2)
00001b98 0c120001      BNE L193
00001b9c 661e          MOVE.B1(A2),D1
00001b9e 122a0001      MOVE.BD1,D0
00001ba2 1001          LSR.B #4,D0
00001ba4 e808          BEQ L193
00001ba6 6714          CMPI.B#9,D0
00001ba8 4c000009      BHI L193
00001bac 620e          MOVE.BD1,D0
00001bae 1001          ANDI.B#$f,D0
00001bb0 0200000f      BEQ L193
00001bb4 6706          CMPI.B#9,D0
00001bb6 0c000009      BLS L195
00001bba 630c          MOVEQ #1,D3
00001bbc 7601          MOVEQ #1,D3
00001bbe 60000020      BRA L197
00001bc2 4243          CLR.W D3
00001bc4 6000001a      BRA L197
00001bc8 7601          MOVEQ #1,D3
00001bca 701c          MOVEQ #28,D0
00001bcc 741c          MOVEQ #28,D2
00001bce b484          CMP.L D4,D2
00001bd0 640e          BCC L197
00001bd2 4a320000      TST.B 0(A2,D0.W)
00001bd6 67ea          BEQ L194
00001bd8 5240          ADDQ.W#1,D0
00001bda 3040          MOVEA.W D0,A0

```

L190

L191

DC.W

DC.W

DC.W

DC.W

L192

L193

L194

L195

L196

\$7156c

\$715A7

\$715c2

\$71602

Found key file - if demo skip ScID

Setup serial # from keyfile \$714-\$71A

Data in key file 01 88 - startup

D4 = size of handle = 51
D2 = 28 = 9/C
pointer to beginning of string

~~XXXXXXXXXX~~
~~XXXXXXXXXX~~

check that the string is valid

00001bdc	b888		CMP.L A0,D4	00001c86	2012		MOVE.L(A2),D0
00001bde	62f2		BHI L196	00001c88	6708		BEQ L204
00001be0	45ec000c	L197	LEA 12(A4),A2	00001c8a	2f00		MOVE.LD0,-(SP)
00001be4	2f12	7716M	MOVE.L(A2),-(SP)	00001c8c	4e4fa04a		TRAP #15
00001be6	4e4fa022		TRAP #15	00001c90		DC.W	sysTrapDmCloseDatabase
00001bea			DC.W sysTrapMemHandleUnlock	00001c90	4292		CLR.L(A2)
00001bea	584f		ADDQ.W#4,SP	00001c92	246efffc	L204	MOVEA.L -4(A6),A2
00001bec	4a43		TST.W D3	00001c96	4e5e		UNLK A6
00001bee	6724		BEQ L199	00001c98	4e75		RTS
00001bf0	2f12		MOVE.L(A2),-(SP)	-----			
00001bf2	4e4fa061		TRAP #15	00001c9a	4e56ffdc	7716CA L205	LINK A6,#-36
00001bf6			DC.W sysTrapDmReleaseResource	00001c9e	48e71820		MOVEM.L D3/D4/A2,-(SP)
00001bf6	4292		CLR.L(A2)	00001ca2	7832		MOVEQ #50,D4
00001bf8	45ec0008	L198	LEA 8(A4),A2	00001ca4	2944029c		MOVE.LD4,668(A4)
00001bfc	2f12		MOVE.L(A2),-(SP)	00001ca8	4e4fa0f7		TRAP #15
00001bfe	4e4fa04a		TRAP #15	00001cac		DC.W	sysTrapTimGetTicks
00001c02			DC.W sysTrapDmCloseDatabase	00001cac	2600		MOVE.LD0,D3
00001c02	4292		CLR.L(A2)	00001cae	45eeffe8		LEA -24(A6),A2
00001c04	3f3c0456		MOVE.W#\$456,-(SP)	00001cb2	4e4fa175	L206	TRAP #15
00001c08	4e4fa192		TRAP #15	00001cb6		DC.W	sysTrapFrmGetActiveFormID
00001c0c			DC.W sysTrapFrmAlert	00001cb6	0c4003e8		CMPI.W#\$3e8,D0
00001c0c	303c8002		MOVE.W#-\$7ffe,D0	00001cba	6706		BEQ L207
00001c10	6000001e		BRA L200	00001cbc	0c400578		CMPI.W#\$578,D0
00001c14	3f3c03ed		MOVE.W#\$3ed,-(SP)	00001cc0	6608		BNE L208
00001c18	2f3c54626d70	L199	MOVE.L#\$54626d70,-(SP)	00001cc2	206c029c	L207	MOVEA.L 668(A4),A0
00001c1e	4e4fa05f	7716YE	TRAP #15	00001cc6	60000006		BRA L209
00001c22			DC.W sysTrapDmGetResource	00001cca	307cffff	L208	MOVEA.W #-1,A0
00001c22	29480298		MOVE.LA0,664(A4)	00001cce	2f08	L209	MOVE.LA0,-(SP)
00001c26	3f3c03e8		MOVE.W#\$3e8,-(SP)	00001cd0	486effe8		PEA -24(A6)
00001c2a	4e4fa19b		TRAP #15	00001cd4	4e4fa11d		TRAP #15
00001c2e			DC.W sysTrapFrmGotoForm	00001cd8		DC.W	sysTrapEvtGetEvent
00001c2e	4240		CLR.W D0	00001cd8	4e4fa0f7		TRAP #15
00001c30	4cee0418fff4	L200	MOVEM.L -12(A6),D3/D4/A2	00001cdc		DC.W	sysTrapTimGetTicks
00001c36	4e5e		UNLK A6	00001cdc	2400		MOVE.LD0,D2
00001c38	4e75		RTS	00001cde	9083		SUB.L D3,D0

00001c3a	4e560000	L201	LINK A6,#0	00001ce0	41ec029c		LEA 668(A4),A0
00001c3e	2f0a		MOVE.LA2,-(SP)	00001ce4	2210		MOVE.L(A0),D1
00001c40	4e4fala2		TRAP #15	00001ce6	504f		ADDQ.W#8,SP
00001c44			DC.W sysTrapFrmSaveAllForms	00001ce8	b280		CMPI.L D0,D1
00001c44	4e4fala1		TRAP #15	00001cea	6308		BLS L210
00001c48			DC.W sysTrapFrmCloseAllForms	00001cec	9280		SUB.L D0,D1
00001c48	4227		CLR.B -(SP)	00001cee	2081		MOVE.LD1,(A0)
00001c4a	48780096		PEA \$0096.W	00001cf0	60000004		BRA L211
00001c4e	486c01a4		PEA 420(A4)	00001cf4	4290	L210	CLR.L(A0)
00001c52	4e4fa027		TRAP #15	00001cf6	2602	L211	MOVE.LD2,D3
00001c56			DC.W sysTrapMemSet	00001cf8	0c6e0004ffe8		CMPI.W#4,-24(A6)
00001c56	422c01a4		CLR.B 420(A4)	00001cfe	6650		BNE L213
00001c5a	45ec0298		LEA 664(A4),A2	00001d00	302efff0		MOVE.W-16(A6),D0
00001c5e	defc000a		ADDA.W#\$a,SP	00001d04	0c400114		CMPI.W#\$114,D0
00001c62	2012		MOVE.L(A2),D0	00001d08	6706		BEQ L212
00001c64	670a		BEQ L202	00001d0a	0c400208		CMPI.W#\$208,D0
00001c66	2f00		MOVE.LD0,-(SP)	00001d0e	6640		BNE L213
00001c68	4e4fa061		TRAP #15	00001d10	4227	L212	CLR.B -(SP)
00001c6c			DC.W sysTrapDmReleaseResource	00001d12	48780096		PEA \$0096.W
00001c6c	4292		CLR.L(A2)	00001d16	486c01a4		PEA 420(A4)
00001c6e	584f		ADDQ.W#4,SP	00001d1a	4e4fa027		TRAP #15
00001c70	45ec000c	L202	LEA 12(A4),A2	00001d1e		DC.W	sysTrapMemSet
00001c74	2012		MOVE.L(A2),D0	00001d1e	422c01a4		CLR.B 420(A4)
00001c76	670a		BEQ L203	00001d22	6100edb4		BSR L82
00001c78	2f00		MOVE.LD0,-(SP)	00001d26	4e4fa175		TRAP #15
00001c7a	4e4fa061		TRAP #15	00001d2a		DC.W	sysTrapFrmGetActiveFormID
00001c7e			DC.W sysTrapDmReleaseResource	00001d2a	defc000a		ADDA.W#\$a,SP
00001c7e	4292		CLR.L(A2)	00001d2e	0c4003e8		CMPI.W#\$3e8,D0
00001c80	584f		ADDQ.W#4,SP	00001d32	661c		BNE L213
00001c82	45ec0008	L203	LEA 8(A4),A2	00001d34	2d7c003b003affe0		MOVE.L#\$3b003a,-32(A6)
				00001d3c	2d7c00600018ffe4		MOVE.L#\$600018,-28(A6)

7716Y
7716M

30 of Pg 22

Event Loop

~~Application~~
~~Handle Event~~

malformed see file

Temp

Go to main form

Stop Application

for 2010
6/10/2010

```

00001d44 4267 CLR.W -(SP)
00001d46 486effe0 PEA -32(A6)
00001d4a 4e4fa219 TRAP #15
00001d4e DC.W sysTrapWinEraseRectangle
00001d50 5c4f ADDQ.W#6,SP
00001d52 2f0a MOVE.LA2,-(SP)
00001d56 4e4fa0a9 TRAP #15
00001d58 584f DC.W sysTrapSysHandleEvent
00001d5c 4a00 ADDQ.W#4,SP
00001d60 6628 TST.B D0
00001d62 486effde BNE L214
00001d64 2f0a PEA -34(A6)
00001d66 42a7 MOVE.LA2,-(SP)
00001d68 4e4falbf CLR.L -(SP)
00001d6c DC.W sysTrapMenuHandleEvent
00001d6e defc000c ADDA.W#5c,SP
00001d70 4a00 TST.B D0
00001d72 6614 BNE L214
00001d74 2f0a MOVE.LA2,-(SP)
00001d76 6100fc12 BSR L176
00001d78 584f ADDQ.W#4,SP
00001d7a 4a00 TST.B D0
00001d7c 6608 BNE L214
00001d7e 2f0a MOVE.LA2,-(SP)
00001d82 4e4fala0 TRAP #15
00001d84 DC.W sysTrapFrmDispatchEvent
00001d86 584f ADDQ.W#4,SP
00001d88 0c6e0016ffe8 L214 CMPI.W#516,-24(A6)
00001d8a 6600ff26 BNE L206
00001d8e 4cee0418ffd0 MOVEM.L -48(A6),D3/D4/A2
00001d94 4e5e UNLK A6
00001d96 4e75 RTS
;-----
00001d98 4e560000 L215 LINK A6,#0
00001d9c 4a6e0008 TST.W 8(A6)
00001da0 661e BNE L217
00001da2 6100fc94 BSR L187
00001da6 4a40 TST.W D0
00001da8 670a BEQ L216
00001daa 02800000ffff ANDI.L#ffff,D0
00001db0 6000001a BRA L219
00001db4 6100fee4 L216 BSR L205
00001db8 6100fe80 BSR L201
00001dbc 6000000c BRA L218
00001dc0 203c00000502 L217 MOVE.L#$502,D0
00001dc6 60000004 BRA L219
00001dca 7000 L218 MOVEQ #0,D0
00001dcc 4e5e L219 UNLK A6
00001dce 4e75 RTS
;-----
00001dd0 20202000 L220 DC.W #8224,#8192
00001dd4 4e56ffd4 L221 LINK A6,#-44
00001dd8 48e71030 MOVEM.L D3/A2/A3,-(SP)
00001ddc 262e000c MOVE.L12(A6),D3
00001de0 486efff2 PEA -14(A6)
00001de4 2f2e0008 MOVE.L8(A6),-(SP)
00001de8 4e4fa0fc TRAP #15
00001dec DC.W sysTrapTimSecondsToDateTime
00001dec 47eefd6 LEA -42(A6),A3
00001df0 2f0b MOVE.LA3,-(SP)
00001df2 1f3c0008 MOVE.B#8,-(SP)
00001df6 3f2efffc MOVE.W-4(A6),-(SP)
00001dfa 1f2efff9 MOVE.B-7(A6),-(SP)
00001dfe 1f2efffb MOVE.B-5(A6),-(SP)
00001e02 4e4fa266 TRAP #15

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Application Handle Event

~~Start Application~~
Pilot/Main

717D6

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00001e06 00001e06 2f0b
00001e08 4e4fa0c7
00001e0c 00001e0c
00001e0e 02800000ffff
00001e10 45f30800
00001e12 43faffb8
00001e14 2f09
00001e16 00001e1c
00001e18 4e4fa0c5
00001e1a 00001e22
00001e1c defc0020
00001e1e 486a0003
00001e20 1f3c0001
00001e22 1f2efff5
00001e24 6100e3e
00001e26 4e4fa268
00001e28 00001e3a
00001e2a 2f0b
00001e2c 2f03
00001e2e 6100ebbc
00001e30 2f03
00001e32 4e4fal35
00001e34 00001e48
00001e36 4cee0c08ffc8
00001e38 4e5e
00001e3a 4e75
;-----
00001e52 4e560000 L222 LINK A6,#0
00001e54 48e71f00 MOVEM.L D3-D7,-(SP)
00001e56 282e0008 MOVE.L8(A6),D4
00001e58 41ec02a0 LEA 672(A4),A0
00001e5a 4283 CLR.L D3
00001e5c 16280002 MOVE.B2(A0),D3
00001e5e 4e4fa0f5 TRAP #15
00001e60 DC.W sysTrapTimGetSeconds
00001e62 2c00 MOVE.LD0,D6
00001e64 7280 MOVEQ #-128,D1
00001e66 d681 ADD.L D1,D3
00001e68 2003 MOVE.LD3,D0
00001e6a e780 ASL.L #3,D0
00001e6c 9083 SUB.L D3,D0
00001e6e eb80 ASL.L #5,D0
00001e70 d083 ADD.L D3,D0
00001e72 e580 ASL.L #2,D0
00001e74 2e06 MOVE.LD6,D7
00001e76 9e80 SUB.L D0,D7
00001e78 3f3c0583 MOVE.W#583,-(SP)
00001e7a 2f04 MOVE.LD4,-(SP)
00001e7c 4e4fal80 TRAP #15
00001e7e DC.W sysTrapFrmGetObjectIndex
00001e80 3f00 MOVE.WD0,-(SP)
00001e82 2f04 MOVE.LD4,-(SP)
00001e84 4e4fal83 TRAP #15
00001e86 DC.W sysTrapFrmGetObjectPtr
00001e88 2a08 MOVE.LA0,D5
00001e8a 3f3c0584 MOVE.W#584,-(SP)
00001e8c 2f04 MOVE.LD4,-(SP)
00001e8e 4e4fal80 TRAP #15
00001e90 DC.W sysTrapFrmGetObjectIndex
00001e92 3f00 MOVE.WD0,-(SP)
00001e94 2f04 MOVE.LD4,-(SP)
00001e96 4e4fal83 TRAP #15
00001e98 DC.W sysTrapFrmGetObjectPtr
00001ea0 2608 MOVE.LA0,D3
00001ea2 2f05 MOVE.LD5,-(SP)

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DC.W sysTrapDateToAscii
MOVE.LA3,-(SP)
TRAP #15
DC.W sysTrapStrLen
ANDI.L#ffff,D0
LEA 0(A3,D0.L),A2
LEA L220,A1
MOVE.LA1,-(SP)
MOVE.LA2,-(SP)
TRAP #15
DC.W sysTrapStrCopy
ADDA.W#520,SP
PEA 3(A2)
MOVE.B#1,-(SP)
MOVE.B-11(A6),-(SP)
MOVE.B-9(A6),-(SP)
TRAP #15
DC.W sysTrapTimeToAscii
MOVE.LA3,-(SP)
MOVE.LD3,-(SP)
BSR L74
MOVE.LD3,-(SP)
TRAP #15
DC.W sysTrapFldDrawField
MOVEM.L -56(A6),D3/A2/A3
UNLK A6
RTS
;-----
LINK A6,#0
MOVEM.L D3-D7,-(SP)
MOVE.L8(A6),D4
LEA 672(A4),A0
CLR.L D3
MOVE.B2(A0),D3
TRAP #15
DC.W sysTrapTimGetSeconds
MOVE.LD0,D6
MOVEQ #-128,D1
ADD.L D1,D3
MOVE.LD3,D0
ASL.L #3,D0
SUB.L D3,D0
ASL.L #5,D0
ADD.L D3,D0
ASL.L #2,D0
MOVE.LD6,D7
SUB.L D0,D7
MOVE.W#583,-(SP)
MOVE.LD4,-(SP)
TRAP #15
DC.W sysTrapFrmGetObjectIndex
MOVE.WD0,-(SP)
MOVE.LD4,-(SP)
TRAP #15
DC.W sysTrapFrmGetObjectPtr
MOVE.LA0,D5
MOVE.W#584,-(SP)
MOVE.LD4,-(SP)
TRAP #15
DC.W sysTrapFrmGetObjectIndex
MOVE.WD0,-(SP)
MOVE.LD4,-(SP)
TRAP #15
DC.W sysTrapFrmGetObjectPtr
MOVE.LA0,D3
MOVE.LD5,-(SP)

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GetObjFrm

```

00001eac 2f06 MOVE.LD6,-(SP)
00001eae 6100ff24 BSR L221
00001eb2 defc001c ADDA.W#51c,SP
00001eb6 2e83 MOVE.LD3,(SP)
00001eb8 2f07 MOVE.LD7,-(SP)
00001eba 6100ff18 BSR L221
00001ebe 4cee00f8ffec MOVEM.L -20(A6),D3-D7
00001ec4 4e5e UNLK A6
00001ec6 4e75 RTS

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00001ec8 59657300 L223 DC.W #22885,#29440
00001ecc 4e6f0000 L224 DC.W #20079,#0
00001ed0 4e560000 L225 LINK A6,#0
00001ed4 2f04 MOVE.LD4,-(SP)
00001ed6 2f03 MOVE.LD3,-(SP)
00001ed8 282e0008 MOVE.L8(A6),D4
00001edc 362e000c MOVE.W12(A6),D3
00001ee0 3f03 MOVE.WD3,-(SP)
00001ee2 2f04 MOVE.LD4,-(SP)
00001ee4 4e4fa112 TRAP #15
00001ee8 DC.W sysTrapCtlSetValue
00001ee8 5c4f ADDQ.W#6,SP
00001eea 4a43 TST.W D3
00001eec 6708 BEQ L226
00001eee 41faffd8 LEA L223,A0
00001ef2 60000006 BRA L227
00001ef6 41faffd4 L226 LEA L224,A0
00001efa 2f08 L227 MOVE.LA0,-(SP)
00001efc 2f04 MOVE.LD4,-(SP)
00001efe 4e4fa114 TRAP #15
00001f02 DC.W sysTrapCtlSetLabel
00001f02 262efff8 MOVE.L-8(A6),D3
00001f06 282efffc MOVE.L-4(A6),D4
00001f0a 4e5e UNLK A6
00001f0c 4e75 RTS

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00001f0e 2b3000 L228 DC.B #43,#48,#0
00001f11 2d3000 L229 DC.B #45,#48,#0
00001f14 2b313300 L230 DC.W #11057,#13056
00001f18 2b313400 L231 DC.W #11057,#13312
00001f1c 2b313200 L232 DC.W #11057,#12800
00001f20 2b313100 L233 DC.W #11057,#12544
00001f24 2b313000 L234 DC.W #11057,#12288
00001f28 2b3900 L235 DC.B #43,#57,#0
00001f2b 2b3800 L236 DC.B #43,#56,#0
00001f2e 2b3700 L237 DC.B #43,#55,#0
00001f31 2b3600 L238 DC.B #43,#54,#0
00001f34 2b3500 L239 DC.B #43,#53,#0
00001f37 2b3400 L240 DC.B #43,#52,#0
00001f3a 2b3300 L241 DC.B #43,#51,#0
00001f3d 2b3200 L242 DC.B #43,#50,#0
00001f40 2b3100 L243 DC.B #43,#49,#0
00001f43 2d3100 L244 DC.B #45,#49,#0
00001f46 2d3200 L245 DC.B #45,#50,#0
00001f49 2d3300 L246 DC.B #45,#51,#0
00001f4c 2d3400 L247 DC.B #45,#52,#0
00001f4f 2d3500 L248 DC.B #45,#53,#0
00001f52 2d3600 L249 DC.B #45,#54,#0
00001f55 2d3700 L250 DC.B #45,#55,#0
00001f58 2d3800 L251 DC.B #45,#56,#0
00001f5b 2d3900 L252 DC.B #45,#57,#0
00001f5e 2d313000 L253 DC.W #11569,#12288
00001f62 2d313100 L254 DC.W #11569,#12544
00001f66 2d313200 L255 DC.W #11569,#12800
00001f6a 2d313300 L256 DC.W #11569,#13056
00001f6e 2d313400 L257 DC.W #11569,#13312

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Table lookup

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00001f72 333000 L258 DC.B #51,#48,#0
00001f75 343500 L259 DC.B #52,#53,#0
00001f78 313500 L260 DC.B #49,#53,#0
00001f7b 303000 L261 DC.B #48,#48,#0
00001f7e 0100 L262 DC.W #256
00001f80 0300 L263 DC.W #768
00001f82 0200 L264 DC.W #512
00001f84 0400 L265 DC.W #1024
00001f86 4e560000 L266 LINK A6,#0
00001f8a 48e71f20 MOVEM.L D3-D7/A2,-(SP)
00001f8e 2a2e000c MOVE.L12(A6),D5
00001f92 2e2e0010 MOVE.L16(A6),D7
00001f96 2c2e0018 MOVE.L24(A6),D6
00001f9a 246e001c MOVEA.L 28(A6),A2
00001f9e 382e0020 MOVE.W32(A6),D4
00001fa2 7201 MOVEQ #1,D1
00001fa4 0c44007f CMPI.W#57f,D4
00001fa8 6e02 BGT L267
00001faa 72ff MOVEQ #-1,D1
00001fac 3004 L267 MOVE.WD4,D0
00001fae 0640ff80 ADDI.W#-80,D0
00001fb2 c1c1 MULS.WD1,D0
00001fb4 3600 MOVE.WD0,D3
00001fb6 02430003 ANDI.W#3,D3
00001fba e440 ASR.W #2,D0
00001fbc c1c1 MULS.WD1,D0
00001fbe 0c40fff2 CMPI.W#-5e,D0
00001fc2 6f0001b2 BLE L296
00001fc6 0c40fff3 CMPI.W#-5d,D0
00001fca 670001a2 BEQ L295
00001fce 0c40fff4 CMPI.W#-5c,D0
00001fd2 67000192 BEQ L294
00001fd6 0c40fff5 CMPI.W#-5b,D0
00001fda 67000182 BEQ L293
00001fde 0c40fff6 CMPI.W#-5a,D0
00001fe2 67000172 BEQ L292
00001fe6 0c40fff7 CMPI.W#-9,D0
00001fea 67000162 BEQ L291
00001fee 0c40fff8 CMPI.W#-8,D0
00001ff2 67000152 BEQ L290
00001ff6 0c40fff9 CMPI.W#-7,D0
00001ffa 67000142 BEQ L289
00001ffe 0c40fffa CMPI.W#-6,D0
00002002 67000132 BEQ L288
00002006 0c40fffb CMPI.W#-5,D0
0000200a 67000122 BEQ L287
0000200e 0c40fffc CMPI.W#-4,D0
00002012 67000112 BEQ L286
00002016 0c40fffd CMPI.W#-3,D0
0000201a 67000102 BEQ L285
0000201e 0c40fffe CMPI.W#-2,D0
00002022 670000f2 BEQ L284
00002026 0c40ffff CMPI.W#-1,D0
0000202a 670000e2 BEQ L283
0000202e 4a40 TST.W D0
00002030 6616 BNE L269
00002032 0c410001 CMPI.W#1,D1
00002036 6608 BNE L268
00002038 41fafed4 LEA L228,A0
0000203c 6000013c BRA L297
00002040 41fafecf LEA L229,A0
00002044 60000134 BRA L297
00002048 0c400001 L269 CMPI.W#1,D0
0000204c 670000b8 BEQ L282
00002050 0c400002 CMPI.W#2,D0
00002054 670000a8 BEQ L281

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00002058	0c400003	CMPI.W#3,D0		0000214e	41fafe0b	L291	LEA L252,A0
0000205c	67000098	BEQ L280		00002152	60000026		BRA L297
00002060	0c400004	CMPI.W#4,D0		00002156	41fafe06	L292	LEA L253,A0
00002064	67000088	BEQ L279		0000215a	6000001e		BRA L297
00002068	0c400005	CMPI.W#5,D0		0000215e	41fafe02	L293	LEA L254,A0
0000206c	6778	BEQ L278		00002162	60000016		BRA L297
0000206e	0c400006	CMPI.W#6,D0		00002166	41fafdfe	L294	LEA L255,A0
00002072	676a	BEQ L277		0000216a	6000000e		BRA L297
00002074	0c400007	CMPI.W#7,D0		0000216e	41fafdfa	L295	LEA L256,A0
00002078	675c	BEQ L276		00002172	60000006		BRA L297
0000207a	0c400008	CMPI.W#8,D0		00002176	41fafdf6	L296	LEA L257,A0
0000207e	674e	BEQ L275		0000217a	2f08	L297	MOVE.LA0,-(SP)
00002080	0c400009	CMPI.W#9,D0		0000217c	2f2e0008		MOVE.L8(A6),-(SP)
00002084	6740	BEQ L274		00002180	4e4fall4		TRAP #15
00002086	0c40000a	CMPI.W#\$a,D0		00002184		DC.W	sysTrapCtlSetLabel
0000208a	6732	BEQ L273		00002188	504f		ADDQ.W#8,SP
0000208c	0c40000b	CMPI.W#\$b,D0		0000218e	4a43		TST.W D3
00002090	6724	BEQ L272		00002188	6724		BEQ L300
00002092	0c40000c	CMPI.W#\$c,D0		0000218a	0c430001		CMPI.W#1,D3
00002096	6716	BEQ L271		0000218e	6716		BEQ L299
00002098	0c40000d	CMPI.W#\$d,D0		00002190	0c430002		CMPI.W#2,D3
0000209c	6608	BNE L270		00002194	6608		BNE L298
0000209e	41fafe74	LEA L230,A0		00002196	41fafdda		LEA L258,A0
000020a2	600000d6	BRA L297		0000219a	60000016		BRA L301
000020a6	41fafe70	LEA L231,A0	L270	0000219e	41fafdd5	L298	LEA L259,A0
000020aa	600000ce	BRA L297		000021a2	6000000e		BRA L301
000020ae	41fafe6c	LEA L232,A0	L271	000021a6	41fafdd0	L299	LEA L260,A0
000020b2	600000c6	BRA L297		000021aa	60000006		BRA L301
000020b6	41fafe68	LEA L233,A0	L272	000021ae	41fafdcb	L300	LEA L261,A0
000020ba	600000be	BRA L297		000021b2	2f08	L301	MOVE.LA0,-(SP)
000020be	41fafe64	LEA L234,A0	L273	000021b4	2f2e0014		MOVE.L20(A6),-(SP)
000020c2	600000b6	BRA L297		000021b8	4e4fall4		TRAP #15
000020c6	41fafe60	LEA L235,A0	L274	000021bc		DC.W	sysTrapCtlSetLabel
000020ca	600000ae	BRA L297		000021bc	504f		ADDQ.W#8,SP
000020ce	41fafe5b	LEA L236,A0	L275	000021be	0c4400b4		CMPI.W#\$b4,D4
000020d2	600000a6	BRA L297		000021c2	6e14		BGT L302
000020d6	41fafe56	LEA L237,A0	L276	000021c4	43fafdb8		LEA L262,A1
000020da	6000009e	BRA L297		000021c8	2f09		MOVE.LA1,-(SP)
000020de	41fafe51	LEA L238,A0	L277	000021ca	2f05		MOVE.LD5,-(SP)
000020e2	60000096	BRA L297		000021cc	4e4fall4		TRAP #15
000020e6	41fafe4c	LEA L239,A0	L278	000021d0		DC.W	sysTrapCtlSetLabel
000020ea	6000008e	BRA L297		000021d0	1f3c0001		MOVE.B#1,-(SP)
000020ee	41fafe47	LEA L240,A0	L279	000021d4	60000010		BRA L303
000020f2	60000086	BRA L297		000021d8	43fafda6	L302	LEA L263,A1
000020f6	41fafe42	LEA L241,A0	L280	000021dc	2f09		MOVE.LA1,-(SP)
000020fa	6000007e	BRA L297		000021de	2f05		MOVE.LD5,-(SP)
000020fe	41fafe3d	LEA L242,A0	L281	000021e0	4e4fall4		TRAP #15
00002102	60000076	BRA L297		000021e4		DC.W	sysTrapCtlSetLabel
00002106	41fafe38	LEA L243,A0	L282	000021e4	4227		CLR.B -(SP)
0000210a	6000006e	BRA L297		000021e6	2f05	L303	MOVE.LD5,-(SP)
0000210e	41fafe33	LEA L244,A0	L283	000021e8	4e4fall7		TRAP #15
00002112	60000066	BRA L297		000021ec		DC.W	sysTrapCtlSetEnabled
00002116	41fafe2e	LEA L245,A0	L284	000021ec	defc000e		ADDA.W#5e,SP
0000211a	6000005e	BRA L297		000021f0	0c4400b7		CMPI.W#\$b7,D4
0000211e	41fafe29	LEA L246,A0	L285	000021f4	6e14		BGT L304
00002122	60000056	BRA L297		000021f6	43fafd86		LEA L262,A1
00002126	41fafe24	LEA L247,A0	L286	000021fa	2f09		MOVE.LA1,-(SP)
0000212a	6000004e	BRA L297		000021fc	2f06		MOVE.LD6,-(SP)
0000212e	41fafelf	LEA L248,A0	L287	000021fe	4e4fall4		TRAP #15
00002132	60000046	BRA L297		00002202		DC.W	sysTrapCtlSetLabel
00002136	41fafela	LEA L249,A0	L288	00002202	1f3c0001		MOVE.B#1,-(SP)
0000213a	6000003e	BRA L297		00002206	60000010		BRA L305
0000213e	41fafel5	LEA L250,A0	L289	0000220a	43fafd74	L304	LEA L263,A1
00002142	60000036	BRA L297		0000220e	2f09		MOVE.LA1,-(SP)
00002146	41fafel0	LEA L251,A0	L290	00002210	2f06		MOVE.LD6,-(SP)
0000214a	6000002e	BRA L297		00002212	4e4fall4		TRAP #15

00002216		DC.W	sysTrapCtlSetLabel	000022c8	0c400018	CMPI.W##\$18,D0
00002216	4227		CLR.B -(SP)	000022cc	66000308	BNE L325
00002218	2f06	L305	MOVE.LD6,-(SP)	000022d0	486c02a0	PEA 672(A4)
0000221a	4e4fa117		TRAP #15	000022d4	6100f298	BSR L147
0000221e		DC.W	sysTrapCtlSetEnabled	000022d8	3f3c057c	MOVE.W##\$57c,-(SP)
0000221e	defc000e		ADDA.W##\$e,SP	000022dc	2f03	MOVE.LD3,-(SP)
00002222	0c44004b		CMPI.W##\$4b,D4	000022de	4e4fa180	TRAP #15
00002226	6f14		BLE L306	000022e2		DC.W sysTrapFrmGetObjectIndex
00002228	43fafd58		LEA L264,A1	000022e2	3f00	MOVE.WD0,-(SP)
0000222c	2f09		MOVE.LA1,-(SP)	000022e4	2f03	MOVE.LD3,-(SP)
0000222e	2f07		MOVE.LD7,-(SP)	000022e6	4e4fa183	TRAP #15
00002230	4e4fa114		TRAP #15	000022ea		DC.W sysTrapFrmGetObjectPtr
00002234		DC.W	sysTrapCtlSetLabel	000022ea	43ec02a0	LEA 672(A4),A1
00002234	1f3c0001		MOVE.B#1,-(SP)	000022ee	10290001	MOVE.B1(A1),D0
00002238	60000010		BRA L307	000022f2	e808	LSR.B #4,D0
0000223c	43fafd46	L306	LEA L265,A1	000022f4	defc0010	ADDA.W##\$10,SP
00002240	2f09		MOVE.LA1,-(SP)	000022f8	56c0	SNE D0
00002242	2f07		MOVE.LD7,-(SP)	000022fa	4880	EXT.W D0
00002244	4e4fa114		TRAP #15	000022fc	4440	NEG.W D0
00002248		DC.W	sysTrapCtlSetLabel	000022fe	3f00	MOVE.WD0,-(SP)
00002248	4227		CLR.B -(SP)	00002300	2f08	MOVE.LA0,-(SP)
0000224a	2f07	L307	MOVE.LD7,-(SP)	00002302	6100fbcc	BSR L225
0000224c	4e4fa117		TRAP #15	00002306	3f3c057d	MOVE.W##\$57d,-(SP)
00002250		DC.W	sysTrapCtlSetEnabled	0000230a	2f03	MOVE.LD3,-(SP)
00002250	defc000e		ADDA.W##\$e,SP	0000230c	4e4fa180	TRAP #15
00002254	0c440048		CMPI.W##\$48,D4	00002310		DC.W sysTrapFrmGetObjectIndex
00002258	6f14		BLE L308	00002310	3f00	MOVE.WD0,-(SP)
0000225a	43fafd26		LEA L264,A1	00002312	2f03	MOVE.LD3,-(SP)
0000225e	2f09		MOVE.LA1,-(SP)	00002314	4e4fa183	TRAP #15
00002260	2f0a		MOVE.LA2,-(SP)	00002318		DC.W sysTrapFrmGetObjectPtr
00002262	4e4fa114		TRAP #15	00002318	2a08	MOVE.LA0,D5
00002266		DC.W	sysTrapCtlSetLabel	0000231a	3f3c057e	MOVE.W##\$57e,-(SP)
00002266	1f3c0001		MOVE.B#1,-(SP)	0000231e	2f03	MOVE.LD3,-(SP)
0000226a	60000010		BRA L309	00002320	4e4fa180	TRAP #15
0000226e	43fafd14	L308	LEA L265,A1	00002324		DC.W sysTrapFrmGetObjectIndex
00002272	2f09		MOVE.LA1,-(SP)	00002324	3f00	MOVE.WD0,-(SP)
00002274	2f0a		MOVE.LA2,-(SP)	00002326	2f03	MOVE.LD3,-(SP)
00002276	4e4fa114		TRAP #15	00002328	4e4fa183	TRAP #15
0000227a		DC.W	sysTrapCtlSetLabel	0000232c		DC.W sysTrapFrmGetObjectPtr
0000227a	4227		CLR.B -(SP)	0000232c	2e08	MOVE.LA0,D7
0000227c	2f0a	L309	MOVE.LA2,-(SP)	0000232e	3f3c057f	MOVE.W##\$57f,-(SP)
0000227e	4e4fa117		TRAP #15	00002332	2f03	MOVE.LD3,-(SP)
00002282		DC.W	sysTrapCtlSetEnabled	00002334	4e4fa180	TRAP #15
00002282	4cee04f8ffe8		MOVEM.L -24(A6),D3-D7/A2	00002338		DC.W sysTrapFrmGetObjectIndex
00002288	4e5e		UNLK A6	00002338	3f00	MOVE.WD0,-(SP)
0000228a	4e75		RTS	0000233a	2f03	MOVE.LD3,-(SP)
				0000233c	4e4fa183	TRAP #15
0000228c	4e560000	L310	LINK A6,#0	00002340		DC.W sysTrapFrmGetObjectPtr
00002290	48e71f30		MOVEM.L D3-D7/A2/A3,-(SP)	00002340	2c08	MOVE.LA0,D6
00002294	246e0008		MOVEA.L 8(A6),A2	00002342	defc002a	ADDA.W##\$2a,SP
00002298	4204		CLR.B D4	00002346	3f3c0580	MOVE.W##\$580,-(SP)
0000229a	264c		MOVEA.L A4,A3	0000234a	2f03	MOVE.LD3,-(SP)
0000229c	284d		MOVEA.L A5,A4	0000234c	4e4fa180	TRAP #15
0000229e	99fc00000378		SUBA.L##\$378,A4	00002350		DC.W sysTrapFrmGetObjectIndex
000022a4	4e4fa173		TRAP #15	00002350	3f00	MOVE.WD0,-(SP)
000022a8		DC.W	sysTrapFrmGetActiveForm	00002352	2f03	MOVE.LD3,-(SP)
000022a8	2608		MOVE.LA0,D3	00002354	4e4fa183	TRAP #15
000022aa	3012		MOVE.W(A2),D0	00002358		DC.W sysTrapFrmGetObjectPtr
000022ac	0c400009		CMPI.W##\$9,D0	00002358	2448	MOVEA.L A0,A2
000022b0	67000106		BEQ L313	0000235a	3f3c0581	MOVE.W##\$581,-(SP)
000022b4	620a		BHI L311	0000235e	2f03	MOVE.LD3,-(SP)
000022b6	4a40		TST.W D0	00002360	4e4fa180	TRAP #15
000022b8	6700030e		BEQ L324	00002364		DC.W sysTrapFrmGetObjectIndex
000022bc	60000318		BRA L325	00002364	3f00	MOVE.WD0,-(SP)
000022c0	0c400015	L311	CMPI.W##\$15,D0	00002366	2f03	MOVE.LD3,-(SP)
000022c4	670000e4		BEQ L312	00002368	4e4fa183	TRAP #15

0000236c		DC.W	sysTrapFrmGetObjectPtr	00002436	4e4fa183		TRAP #15
0000236c	2808		MOVE.LA0,D4	0000243a		DC.W	sysTrapFrmGetObjectPtr
0000236e	3f3c0582		MOVE.W#\$582,-(SP)	0000243a	2a08		MOVE.LA0,D5
00002372	2f03		MOVE.LD3,-(SP)	0000243c	43ec02a0		LEA 672(A4),A1
00002374	4e4fa180		TRAP #15	00002440	000024a0		LEA 672(A4),A0
00002378		DC.W	sysTrapFrmGetObjectIndex	00002444	5248		ADDQ.W#1,A0
00002378	3f00		MOVE.WD0,-(SP)	00002446	1410		MOVE.B(A0),D2
0000237a	2f03		MOVE.LD3,-(SP)	00002448	0202000f		ANDI.B#\$f,D2
0000237c	4e4fa183		TRAP #15	0000244c	13420001		MOVE.BD2,1(A1)
00002380		DC.W	sysTrapFrmGetObjectPtr	00002450	defc000c		ADDA.W#\$c,SP
00002380	defc0024		ADDA.W#\$24,SP	00002454	45ec02a0		LEA 672(A4),A2
00002384	43ec02a0		LEA 672(A4),A1	00002458	4243		CLR.W D3
00002388	4240		CLR.W D0	0000245a	1610		MOVE.B(A0),D3
0000238a	10290002		MOVE.B2(A1),D0	0000245c	2f05		MOVE.LD5,-(SP)
0000238e	3f00		MOVE.WD0,-(SP)	0000245e	4e4fa111		TRAP #15
00002390	2f08		MOVE.LA0,-(SP)	00002462		DC.W	sysTrapCtlGetValue
00002392	2f04		MOVE.LD4,-(SP)	00002462	584f		ADDQ.W#4,SP
00002394	2f0a		MOVE.LA2,-(SP)	00002464	4a40		TST.W D0
00002396	2f06		MOVE.LD6,-(SP)	00002466	670a		BEQ L315
00002398	2f07		MOVE.LD7,-(SP)	00002468	1003		MOVE.BD3,D0
0000239a	2f05		MOVE.LD5,-(SP)	0000246a	00000010		ORI.B #\$10,D0
0000239c	6100fbe8		BSR L266	0000246e	60000004		BRA L316
000023a0	2f03		MOVE.LD3,-(SP)	00002472	1003	L315	MOVE.BD3,D0
000023a2	4e4fa171		TRAP #15	00002474	15400001	L316	MOVE.BD0,1(A2)
000023a6		DC.W	sysTrapFrmDrawForm	00002478	41ec02a0		LEA 672(A4),A0
000023a6	600001fa		BRA L323	0000247c	10280001		MOVE.B1(A0),D0
000023aa	42a7	L312	CLR.L -(SP)	00002480	e808		LSR.B #4,D0
000023ac	4e4falcl		TRAP #15	00002482	56c0		SNE D0
000023b0		DC.W	sysTrapMenuEraseStatus	00002484	4880		EXT.W D0
000023b0	183c0001		MOVE.B#1,D4	00002486	4440		NEG.W D0
000023b4	60000220		BRA L325	00002488	3f00		MOVE.WD0,-(SP)
000023b8	302a0008	L313	MOVE.W8(A2),D0	0000248a	2f05		MOVE.LD5,-(SP)
000023bc	0640fa84		ADDI.W#\$57c,D0	0000248c	6100fa42		BSR L225
000023c0	0c400025		CMPI.W#\$25,D0	00002490	183c0001		MOVE.B#1,D4
000023c4	62000210		BHI L325	00002494	60000140		BRA L325
000023c8	02800000ffff		ANDI.L#\$ffff,D0	00002498	43ec02a0		LEA 672(A4),A1
000023ce	41fa000c		LEA L314,A0	0000249c	41ec02a0		LEA 672(A4),A0
000023d2	d080		ADD.L D0,D0	000024a0	4241		CLR.W D1
000023d4	30300800		MOVE.W0(A0,D0.L),D0	000024a2	12280002		MOVE.B2(A0),D1
000023d8	4efb0002		JMP 4(PC,D0.W)	000024a6	302a0008		MOVE.W8(A2),D0
000023dc	004c01fa	L314	DC.W #76,#506	000024aa	0c40057e		CMPI.W#\$57e,D0
000023e0	00bc00bc		DC.W #188,#188	000024ae	6724		BEQ L319
000023e4	01fa00bc		DC.W #506,#188	000024b0	0c40057f		CMPI.W#\$57f,D0
000023e8	00bc01fa		DC.W #188,#506	000024b4	6716		BEQ L318
000023ec	01fa01fa		DC.W #506,#506	000024b6	0c400581		CMPI.W#\$581,D0
000023f0	01fa01fa		DC.W #506,#506	000024ba	6608		BNE L317
000023f4	01fa01fa		DC.W #506,#506	000024bc	1001		MOVE.BD1,D0
000023f8	01fa01fa		DC.W #506,#506	000024c0	5200		ADDQ.B#1,D0
000023fc	01fa01fa		DC.W #506,#506	000024c4	60000016		BRA L320
00002400	01fa01fa		DC.W #506,#506	000024c8	1001	L317	MOVE.BD1,D0
00002404	01fa01fa		DC.W #506,#506	000024cc	5300		SUBQ.B#1,D0
00002408	01fa01fa		DC.W #506,#506	000024d0	6000000e		BRA L320
0000240c	01fa01fa		DC.W #506,#506	000024d4	1001	L318	MOVE.BD1,D0
00002410	01fa01fa		DC.W #506,#506	000024d8	5900		SUBQ.B#4,D0
00002414	01fa01fa		DC.W #506,#506	000024dc	60000006		BRA L320
00002418	01fa01fa		DC.W #506,#506	000024e0	1001	L319	MOVE.BD1,D0
0000241c	01fa01fa		DC.W #506,#506	000024e4	5800		ADDQ.B#4,D0
00002420	01fa01fa		DC.W #506,#506	000024e8	13400002	L320	MOVE.BD0,2(A1)
00002424	01d4		BSET.BD0,(A4)	000024ec	41ec02a0		LEA 672(A4),A0
00002426	01de		BSET.BD0,(A6)+	000024f0	10280002		MOVE.B2(A0),D0
00002428	3f3c057c		MOVE.W#\$57c,-(SP)	000024e4	0c0000b7		CMPI.B#\$49,D0
0000242c	2f03		MOVE.LD3,-(SP)	000024e8	630e		BLS L321
0000242e	4e4fa180		TRAP #15	000024ea	41ec02a0		LEA 672(A4),A0
00002432		DC.W	sysTrapFrmGetObjectIndex	000024ee	117c00b80002		MOVE.B#\$48,2(A0)
00002432	3f00		MOVE.WD0,-(SP)	000024f4	60000012		BRA L322
00002434	2f03		MOVE.LD3,-(SP)	000024f8	0c000048	L321	CMPI.B#\$48,D0

000024fc	620a	BHI	L322	0000259a	2f07	MOVE.LD7, -(SP)
000024fe	41ec02a0	LEA	672(A4), A0	0000259c	2f05	MOVE.LD5, -(SP)
00002502	117c00480002	MOVE.B	#48, 2(A0)	0000259e	6100f9e6	BSR L266
00002508	3f3c057d	MOVE.W	#57d, -(SP)	000025a2	2f03	MOVE.LD3, -(SP)
0000250c	2f03	MOVE.LD3, -(SP)		000025a4	6100f8ac	BSR L222
0000250e	4e4fa180	TRAP	#15	000025a8	183c0001	MOVE.B#1, D4
00002512		DC.W	sysTrapFrmGetObjectIndex	000025ac	60000028	BRA L325
00002512	3f00	MOVE.WD0, -(SP)		000025b0	486c02a0	PEA 672(A4)
00002514	2f03	MOVE.LD3, -(SP)		000025b4	6100f01c	BSR L151 → <i>demo mode</i>
00002516	4e4fa183	TRAP	#15	000025b8	584f	ADDQ.W#4, SP
0000251a		DC.W	sysTrapFrmGetObjectPtr	000025ba	4267	CLR.W -(SP)
0000251a	2a08	MOVE.LA0, D5		000025bc	4e4fa19e	TRAP #15
0000251c	3f3c057e	MOVE.W#57e, -(SP)		000025c0		DC.W sysTrapFrmReturnToForm
00002520	2f03	MOVE.LD3, -(SP)		000025c0	183c0001	MOVE.B#1, D4
00002522	4e4fa180	TRAP	#15	000025c4	60000010	BRA L325
00002526		DC.W	sysTrapFrmGetObjectIndex	000025c8	2f03	MOVE.LD3, -(SP)
00002526	3f00	MOVE.WD0, -(SP)		000025ca	6100f886	BSR L222
00002528	2f03	MOVE.LD3, -(SP)		000025ce	48780064	PEA \$0064.W
0000252a	4e4fa183	TRAP	#15	000025d2	6100e484	BSR L77
0000252e		DC.W	sysTrapFrmGetObjectPtr	000025d6	284b	MOVEA.L A3, A4
0000252e	2e08	MOVE.LA0, D7		000025d8	3004	MOVE.WD4, D0
00002530	3f3c057f	MOVE.W#57f, -(SP)		000025da	02400001	ANDI.W#1, D0
00002534	2f03	MOVE.LD3, -(SP)		000025de	4cee0cf8ffe4	MOVEM.L -28(A6), D3-D7/A2/A3
00002536	4e4fa180	TRAP	#15	000025e4	4e5e	UNLK A6
0000253a		DC.W	sysTrapFrmGetObjectIndex	000025e6	4e75	RTS
0000253a	3f00	MOVE.WD0, -(SP)		<hr style="border: 1px dashed blue;"/>		
0000253c	2f03	MOVE.LD3, -(SP)		000025e8	4e56fff4	LINK A6, #-12
0000253e	4e4fa183	TRAP	#15	000025ec	4be1r000	MOVEM.L D3-D7, -(SP)
00002542		DC.W	sysTrapFrmGetObjectPtr	000025f0	2e0c	MOVE.LA4, D7
00002542	2c08	MOVE.LA0, D6		000025f2	486efff4	PEA -12(A6)
00002544	defc0024	ADDA.W#24, SP		000025f6	486efff8	PEA -8(A6)
00002548	3f3c0580	MOVE.W#580, -(SP)		000025fa	486efffc	PEA -4(A6)
0000254c	2f03	MOVE.LD3, -(SP)		000025fe	4e4fa08f	TRAP #15
0000254e	4e4fa180	TRAP	#15	00002602		DC.W sysTrapSysAppStartup
00002552		DC.W	sysTrapFrmGetObjectIndex	00002602	defc000c	ADDA.W#5c, SP
00002552	3f00	MOVE.WD0, -(SP)		00002606	4a40	TST.W D0
00002554	2f03	MOVE.LD3, -(SP)		00002608	6710	BEQ L327
00002556	4e4fa183	TRAP	#15	0000260a	1f3c0003	MOVE.B#3, -(SP)
0000255a		DC.W	sysTrapFrmGetObjectPtr	0000260e	4e4fa234	TRAP #15
0000255a	2448	MOVEA.L A0, A2		00002612		DC.W sysTrapSndPlaySystemSound
0000255c	3f3c0581	MOVE.W#581, -(SP)		00002612	2847	MOVEA.L D7, A4
00002560	2f03	MOVE.LD3, -(SP)		00002614	70ff	MOVEQ #-1, D0
00002562	4e4fa180	TRAP	#15	00002616	60000060	BRA L330
00002566		DC.W	sysTrapFrmGetObjectIndex	0000261a	206efffc	MOVEA.L -4(A6), A0
00002566	3f00	MOVE.WD0, -(SP)		0000261e	3c10	MOVE.W(A0), D6
00002568	2f03	MOVE.LD3, -(SP)		00002620	2a280002	MOVE.L2(A0), D5
0000256a	4e4fa183	TRAP	#15	00002624	38280006	MOVE.W6(A0), D4
0000256e		DC.W	sysTrapFrmGetObjectPtr	00002628	08040002	BTST.L#2, D4
0000256e	2808	MOVE.LA0, D4		0000262c	6710	BEQ L328
00002570	3f3c0582	MOVE.W#582, -(SP)		0000262e	284d	MOVEA.L A5, A4
00002574	2f03	MOVE.LD3, -(SP)		00002630	99fc00000378	SUBA.L#378, A4
00002576	4e4fa180	TRAP	#15	00002636	6100007c	BSR L334
0000257a		DC.W	sysTrapFrmGetObjectIndex	0000263a	60000004	BRA L329
0000257a	3f00	MOVE.WD0, -(SP)		0000263e	99cc	SUBA.LA4, A4
0000257c	2f03	MOVE.LD3, -(SP)		00002640	3f04	MOVE.WD4, -(SP)
0000257e	4e4fa183	TRAP	#15	00002642	2f05	MOVE.LD5, -(SP)
00002582		DC.W	sysTrapFrmGetObjectPtr	00002644	3f06	MOVE.WD6, -(SP)
00002582	defc0024	ADDA.W#24, SP		00002646	61000186	BSR L344
00002586	43ec02a0	LEA 672(A4), A1		0000264a	61000218	BSR L350
0000258a	4240	CLR.W D0		0000264e	3f04	MOVE.WD4, -(SP) → <i>check for failure?</i>
0000258c	10290002	MOVE.B2(A1), D0		00002650	2f05	MOVE.LD5, -(SP)
00002590	3f00	MOVE.WD0, -(SP)		00002652	3f06	MOVE.WD6, -(SP)
00002592	2f08	MOVE.LA0, -(SP)		00002654	6100f742	BSR L215
00002594	2f04	MOVE.LD4, -(SP)		00002658	2600	MOVE.LD0, D3
00002596	2f0a	MOVE.LA2, -(SP)		0000265a	3f04	MOVE.WD4, -(SP)
00002598	2f06	MOVE.LD6, -(SP)		0000265c	2f05	MOVE.LD5, -(SP)

0000265e	3f06		MOVE.WD6, -(SP)	00002744	2f09		MOVE.LA1, -(SP)
00002660	610001ba		BSR L347	00002746	4e4fa084		TRAP #15
00002664	2f2effff4		MOVE.L-12(A6), -(SP)	0000274a		DC.W	sysTrapErrDisplayFileLineMsg
00002668	2f2effff8		MOVE.L-8(A6), -(SP)	0000274a	defc000a		ADDA.W#5a, SP
0000266c	2f2effffc		MOVE.L-4(A6), -(SP)	0000274e	4281	L336	CLR.L D1
00002670	4e4fa090		TRAP #15	00002750	32323802		MOVE.W2(A2, D3.L), D1
00002674		DC.W	sysTrapSysAppExit	00002754	43ec0000		LEA 0(A4), A1
00002674	2847		MOVEA.L D7, A4	00002758	2009		MOVE.LA1, D0
00002676	2003		MOVE.LD3, D0	0000275a	2041		MOVEA.L D1, A0
00002678	4cee00f8ffe0	L330	MOVEM.L -32(A6), D3-D7	0000275c	d1c0		ADDA.LD0, A0
0000267e	4e5e		UNLK A6	0000275e	18323801		MOVE.B1(A2, D3.L), D4
00002680	4e75		RTS	00002762	0c440064		CMPI.W#564, D4
;-----							
00002682	756eb6e6f776e207265	L331	DC.B 'unknown reloc.type'	00002766	671c		BEQ L338
0000268c	6c6f632e74797065			00002768	6e0a		BGT L337
00002694	00		DC.B #0	0000276a	0c440062		CMPI.W#562, D4
00002695	67637274302e63	L332	DC.B 'gert0.c'	0000276e	671e		BEQ L339
0000269c	00		DC.B #0	00002770	60000026		BRA L340
0000269d	556eb6e6f776e207265	L333	DC.B 'Unknown	00002774	0c440074	L337	CMPI.W#574, D4
reloc.section'							
000026a7	6c6f632e73656374696f			00002778	661e		BNE L340
000026b1	6e			0000277a	242efff4		MOVE.L-12(A6), D2
000026b2	0000		DC.W #0	0000277e	d590		ADD.L D2, (A0)
000026b4	4e56ffff4	L334	LINK A6, #-12	00002780	6000002e		BRA L341
000026b8	48e71f30		MOVEM.L D3-D7/A2/A3, -(SP)	00002784	242efffc	L338	MOVE.L-4(A6), D2
000026bc	43ec0000		LEA 0(A4), A1	00002788	d590		ADD.L D2, (A0)
000026c0	2d49ffffc		MOVE.LA1, -4(A6)	0000278a	60000024		BRA L341
000026c4	43ec00d8		LEA 216(A4), A1	0000278e	242efff8	L339	MOVE.L-8(A6), D2
000026c8	2d49ffff8		MOVE.LA1, -8(A6)	00002792	d590		ADD.L D2, (A0)
000026cc	43faff1a		LEA L326, A1	00002794	6000001a		BRA L341
000026d0	2d49ffff4		MOVE.LA1, -12(A6)	00002798	43faff03	L340	LEA L333, A1
000026d4	41ec0018		LEA 24(A4), A0	0000279c	2f09		MOVE.LA1, -(SP)
000026d8	4a50		TST.W (A0)	0000279e	3f3c0089		MOVE.W#589, -(SP)
000026da	660000e8		BNE L343	000027a2	43fafef1		LEA L332, A1
000026de	30bc0001		MOVE.W#1, (A0)	000027a6	2f09		MOVE.LA1, -(SP)
000026e2	93fc000125e4		SUBA.L#5125e4, A1	000027aa	4e4fa084		TRAP #15
000026e8	2d49ffff4		MOVE.LA1, -12(A6)	000027ac		DC.W	sysTrapErrDisplayFileLineMsg
000026ec	04ae000000d8ffff8		SUBI.L#5d8, -8(A6)	000027ae	defc000a		ADDA.W#5a, SP
000026f4	04ae00000000ffffc		SUBI.L#0, -4(A6)	000027b0	5245	L341	ADDQ.W#1, D5
000026fc	4267		CLR.W -(SP)	000027b2	ba4b		CMP.W A3, D5
000026fe	2f3c726c6f63		MOVE.L#726c6f63, -(SP)	000027b4	6500ff72		BCS L335
00002704	4e4fa060		TRAP #15	000027b8	2f07	L342	MOVE.LD7, -(SP)
00002708		DC.W	sysTrapDmGet1Resource	000027ba	4e4fa022		TRAP #15
00002708	2e08		MOVE.LA0, D7	000027be		DC.W	sysTrapMemHandleUnlock
0000270a	5c4f		ADDQ.W#6, SP	000027c0	2f07		MOVE.LD7, -(SP)
0000270c	670000b6		BEQ L343	000027c4	4e4fa061		TRAP #15
00002710	2f07		MOVE.LD7, -(SP)	000027c8		DC.W	sysTrapDmReleaseResource
00002712	4e4fa021		TRAP #15	000027cc	4e75		MOVEM.L -40(A6), D3-D7/A2/A3
00002716		DC.W	sysTrapMemHandleLock	000027d0			UNLK A6
00002716	3658		MOVEA.W (A0)+, A3	000027d4			RTS
00002718	2448		MOVEA.L A0, A2	000027d8	4e56ffffc	L344	LINK A6, #-4
0000271a	4245		CLR.W D5	000027dc	48e71c30		MOVEM.L D3-D5/A2/A3, -(SP)
0000271c	584f		ADDQ.W#4, SP	000027e0	3a2e0008		MOVE.W8(A6), D5
0000271e	ba4b		CMP.W A3, D5	000027e4	282e000a		MOVE.L10(A6), D4
00002720	64000096		BCC L342	000027e8	362e000e		MOVE.W14(A6), D3
00002724	7c00		MOVEQ #0, D6	000027ec	43fafef0		LEA L326, A1
00002726	4244		CLR.W D4	000027f0	93fc000125e4		SUBA.L#5125e4, A1
00002728	3c05	L335	MOVE.WD5, D6	000027f4	45fa46c6		LEA 18118(PC)!\$6eb4, A2
0000272a	2606		MOVE.LD6, D3	000027f8	47fa46c2		LEA 18114(PC)!\$6eb4, A3
0000272c	e783		ASL.L #3, D3	000027fc	b7ca		CMPA.LA2, A3
0000272e	0c3200be3800		CMPI.B#-542, 0(A2, D3.L)	00002800	631a		BLS L346
00002734	6718		BEQ L336	00002804	205a	L345	MOVEA.L (A2)+, A0
00002736	43faff4a		LEA L331, A1	00002808	d1c9		ADDA.LA1, A0
0000273a	2f09		MOVE.LA1, -(SP)	0000280c	3f03		MOVE.WD3, -(SP)
0000273c	3f3c0076		MOVE.W#576, -(SP)	00002810	2f04		MOVE.LD4, -(SP)
00002740	43faff53		LEA L332, A1	00002814	3f05		MOVE.WD5, -(SP)
				00002818	2d49ffffc		MOVE.LA1, -4(A6)

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00002806 4e90 JSR (A0)
00002808 504f ADDQ.W#8,SP
0000280a 226efffc MOVEA.L -4(A6),A1
0000280e b7ca CMPA.LA2,A3
00002810 626e BHI L345
00002812 4cee0c38ffe8 L346 MOVEM.L -24(A6),D3-D5/A2/A3
00002818 4e5e UNLK A6
0000281a 4e75 RTS

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0000281c 4e560000 L347 LINK A6,#0
00002820 48e71e30 MOVEM.L D3-D6/A2/A3,-(SP)
00002824 3c2e0008 MOVE.W8(A6),D6
00002828 2a2e000a MOVE.L10(A6),D5
0000282c 382e000e MOVE.W14(A6),D4
00002830 47fafdb6 LEA L326,A3
00002834 97f000125e4 SUBA.L#$125e4,A3
0000283a 43fa4678 LEA 18040(PC)!$6eb4,A1
0000283e 2609 MOVE.LA1,D3
00002840 45fa4672 LEA 18034(PC)!$6eb4,A2
00002844 b68a CMP.L A2,D3
00002846 6412 ECC L349
00002848 2062 MOVEA.L -(A2),A0
0000284a d1cb ADDA.LA3,A0
0000284c 3f04 MOVE.WD4,-(SP)
0000284e 2f05 MOVE.LD5,-(SP)
00002850 3f06 MOVE.WD6,-(SP)
00002852 4e90 JSR (A0)
00002854 504f ADDQ.W#8,SP
00002856 b68a CMP.L A2,D3
00002858 65ee BCS L348
0000285a 4cee0c78ffe8 L349 MOVEM.L -24(A6),D3-D6/A2/A3
00002860 4e5e UNLK A6
00002862 4e75 RTS

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00002864 4e56fffc L350 LINK A6,#-4
00002868 2f03 MOVE.LD3,-(SP)
0000286a 42aefffc CLR.L -4(A6)
0000286e b8fc0000 CMPA.W#0,A4
00002872 6744 BEQ L351
00002874 486efffc PEA -4(A6)
00002878 4267 CLR.W -(SP)
0000287a 2f3c67646253 MOVE.L#$67646253,-(SP)
00002880 4e4fa27b TRAP #15
00002884 DC.W sysTrapFtrGet
00002888 0cae12beef34fffc DC.W DC.W
0000288c 662a DC.W DC.W
0000288e 43ec0000 DC.W DC.W
00002892 2409 DC.W DC.W
00002894 43ec00d8 DC.W DC.W
00002898 2209 DC.W DC.W
0000289a 41fafd4c DC.W DC.W
0000289e 2008 DC.W DC.W
000028a0 0480000125e4 DC.W DC.W
000028a6 41faf4f0 DC.W DC.W
000028aa 263c12beef34 DC.W DC.W
000028b0 4e48 DC.W DC.W
000028b2 7001 DC.W DC.W
000028b4 60000004 DC.W DC.W
000028b8 4240 L351 CLR.W D0
000028ba 262efff8 L352 MOVE.L-8(A6),D3
000028be 4e5e UNLK A6
000028c0 4e75 RTS

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000028c2 0000 DC.W #0
000028c4 4e56ffd8 L353 LINK A6,#-40
000028c8 48e71f30 MOVEM.L D3-D7/A2/A3,-(SP)

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000028cc 2e2e000c MOVE.L12(A6),D7
000028d0 266e0010 MOVEA.L 16(A6),A3
000028d4 362e0014 MOVE.W20(A6),D3
000028d8 3c2e0016 MOVE.W22(A6),D6
000028dc 3a2e001a MOVE.W26(A6),D5
000028e0 486e001c MOVE.W28(A6),D4
000028e4 3f3c0004 MOVE.W#4,-(SP)
000028e8 2f0b MOVE.LA3,-(SP)
000028ea 610004dc BSR L391 - move mem -> D0
000028ee 2d40ffe0 MOVE.LD0,-32(A6)
000028f2 3f3c0004 MOVE.W#4,-(SP)
000028f6 486b0004 PEA 4(A3)
000028fa 610004cc BSR L391 - move mem -> D5
000028fe 2d40ffe4 MOVE.LD0,-28(A6)
00002902 3f3c0008 MOVE.W#8,-(SP)
00002906 2f0b MOVE.LA3,-(SP)
00002908 486effe0 PEA -32(A6)
0000290c 61000600 BSR L405 MemMore (src dest, 0x1C7DE, 0x1B14, 8)
00002910 7010 MOVEQ #16,D0
00002912 48c0 EXT.L D0
00002914 81c3 DIVS.WD3,D0
00002916 c1c6 MULS.WD6,D0
00002918 3440 MOVEA.W D0,A2
0000291a 2f0a MOVE.LA2,-(SP)
0000291c 2f07 MOVE.LD7,-(SP)
0000291e 61003888 BSR L508 - divide rand down time
00002922 584f ADDQ.W#4,SP
00002924 2e8a MOVE.LA2,(SP)
00002926 2f00 MOVE.LD0,-(SP)
00002928 610038ae BSR L512 - multiply
0000292c 504f ADDQ.W#8,SP
0000292e 3f05 MOVE.WD5,-(SP)
00002930 3f2e0018 MOVE.W24(A6),-(SP)
00002934 486effd8 PEA -40(A6)
00002938 2f0b MOVE.LA3,-(SP)
0000293a 2f00 MOVE.LD0,-(SP)
0000293c 610000fc BSR L359 - ALGORITHM
00002940 def0c026 ADDA.W#$26,SP
00002944 45eeffe8 LEA -24(A6),A2
00002948 2f0a MOVE.LA2,-(SP)
0000294a 2f2effd8 MOVE.L-40(A6),-(SP)
0000294c 6100045c BSR L389
0000294e 2f0b PEA -20(A6)
00002950 2f2effdc MOVE.L-36(A6),-(SP)
00002954 61000450 BSR L389
00002958 3f3c0010 MOVE.W#$10,-(SP)
0000295c 47eefff0 LEA -16(A6),A3
00002960 2f0b MOVE.LA3,-(SP)
00002964 2f0a MOVE.LA2,-(SP)
00002968 610004ca BSR L396
0000296c 3443 MOVEA.W D3,A2
00002970 2f0a MOVE.LA2,-(SP)
00002972 c9c3 MULS.WD3,D4
00002974 48734000 PEA 0(A3,D4.W)
00002978 2f2e0008 MOVE.L8(A6),-(SP)
0000297c 4e4fa026 TRAP #15
00002980 00002980 sysTrapMemMove - copy selected portion to destination
00002984 242e0008 MOVE.L8(A6),D2
00002988 42322800 CLR.B 0(A2,D2.L)
0000298c 2042 MOVEA.L D2,A0
0000298e 4cee0cf8ffbc MOVEA.L -68(A6),D3-D7/A2/A3
00002990 4e5e UNLK A6
00002992 4e75 RTS

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00002994 4e56fffc LINK A6,#-4
00002998 2f0b MOVE.LA3,-(SP)

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Handwritten notes:
 - 0x7231A -
 - 0x7232A -
 - 7233C -
 - 7234E -
 - 72358 -
 - 7236C -
 - 7237E -
 - 7237E -
 - 7238E -
 - 7239A -
 - 723AE -
 - 723AC - DC.W
 - ~~7239A~~
 - pm length
 - offset into src to handle
 - copy selected portion to destination

Feature value of given feature number.
Magic #?

72344 - L353

0000299a 2f0a
 0000299c 242e0008
 000029a0 226e0010
 000029a4 0c6e00010014
 000029aa 6616
 000029ac 42ac0334
 000029b0 6000007c
 000029b4 22b00804 L354
 000029b8 237008080004
 000029be 6000006e
 000029c2 4241 L355
 000029c4 4aac0334
 000029c8 6f1a
 000029ca 3001 L356
 000029cc c1fc000c
 000029d0 41ec02a4
 000029d4 b4b00800
 000029d8 67da
 000029da 5241
 000029dc 3041
 000029de b1ec0334
 000029e2 6de6 L357
 000029e4 45ec02a4
 000029e8 47ec0334
 000029ec 2213
 000029ee 2001
 000029f0 d080
 000029f2 d081
 000029f4 e580
 000029f6 25820800
 000029fa 3f2e0018
 000029fe 3f2e0016
 00002a02 2f09
 00002a04 2f2e000c
 00002a08 2f02
 00002a0a 2d49ffff
 00002a0e 6100002a
 00002a12 2213
 00002a14 2001
 00002a16 d080
 00002a18 d081
 00002a1a e580
 00002a1c 226efffc
 00002a20 25910804
 00002a24 25a900040808
 00002a2a 5281
 00002a2c 2681
 00002a2e 246efff4 L358
 00002a32 266efff8
 00002a36 4e5e
 00002a38 4e75
 00002a3a 4e56ffff
 00002a3e 48e71c30
 00002a42 282e000c
 00002a46 3a2e0014
 00002a4a 362e0016
 00002a4e 47eefff8
 00002a52 2f0b
 00002a54 2f2e0008
 00002a58 61000336
 00002a5c 3f3c0008
 00002a60 45eefff0
 00002a64 2f0a
 00002a66 2f04
 00002a68 610004a4

MOVE.LA2, -(SP)
 MOVE.L8(A6), D2
 MOVEA.L 16(A6), A1
 CMPI.W#1, 20(A6)
 BNE L355
 CLR.L 820(A4)
 BRA L358
 MOVE.L4(A0, D0.L), (A1)
 MOVE.L8(A0, D0.L), 4(A1)
 BRA L358
 CLR.W D1
 TST.L 820(A4)
 BLE L357
 MOVE.WD1, D0
 MULS.W#\$c, D0
 LEA 676(A4), A0
 CMP.L 0(A0, D0.L), D2
 BEQ L354
 ADDQ.W#1, D1
 MOVEA.W D1, A0
 CMPA.L820(A4), A0
 BLT L356
 LEA 676(A4), A2
 LEA 820(A4), A3
 MOVE.L(A3), D1
 MOVE.LD1, D0
 ADD.L D0, D0
 ADD.L D1, D0
 ASL.L #2, D0
 MOVE.LD2, 0(A2, D0.L)
 MOVE.W24(A6), -(SP)
 MOVE.W22(A6), -(SP)
 MOVE.LA1, -(SP)
 MOVE.L12(A6), -(SP)
 MOVE.LD2, -(SP)
 MOVE.LA1, -4(A6)
 BSR L359
 MOVE.L(A3), D1
 MOVE.LD1, D0
 ADD.L D0, D0
 ADD.L D1, D0
 ASL.L #2, D0
 MOVEA.L -4(A6), A1
 MOVE.L(A1), 4(A2, D0.L)
 MOVE.L4(A1), 8(A2, D0.L)
 ADDQ.L#1, D1
 MOVE.LD1, (A3)
 MOVEA.L -12(A6), A2
 MOVEA.L -8(A6), A3
 UNLK A6
 RTS
 LINK A6, #-16
 MOVEM.L D3-D5/A2/A3, -(SP)
 MOVE.L12(A6), D4
 MOVE.W20(A6), D5
 MOVE.W22(A6), D3
 LEA -8(A6), A3
 MOVE.LA3, -(SP)
 MOVE.L8(A6), -(SP)
 BSR L388
 MOVE.W#8, -(SP)
 LEA -16(A6), A2
 MOVE.LA2, -(SP)
 MOVE.LD4, -(SP)
 BSR L405

00002a6c 3f03
 00002a6e 3f05
 00002a70 2f0a
 00002a72 2f0b
 00002a74 6100001a
 00002a78 206e0010
 00002a7c 20aefff8
 00002a80 216efffc0004
 00002a86 4cee0c38ffdc
 00002a8c 4e5e
 00002a8e 4e75
 00002a90 4e560000
 00002a94 48e71e00
 00002a98 2c2e0008
 00002a9c 2a2e000c
 00002aa0 362e0010
 00002aa4 382e0012
 00002aa8 2f05
 00002aaa 2f06
 00002aac 61000136
 00002ab0 3f03
 00002ab2 2f05
 00002ab4 2f06
 00002ab6 61000024
 00002aba 2f05
 00002abc 2f06
 00002abe 61000124
 00002ac2 defc001a
 00002ac6 4a44
 00002ac8 6608
 00002aca 2f05
 00002acc 2f06
 00002ace 61000228
 00002ad2 4cee0078ffff
 00002ad8 4e5e
 00002ada 4e75
 00002adc 4e560000
 00002ae0 48e71c30
 00002ae4 246e0008
 00002ae8 266e000c
 00002aec 3a2e0010
 00002af0 7801
 00002af2 ba44
 00002af4 6d42
 00002af6 4243
 00002af8 2013
 00002afa 2212
 00002afc b380
 00002afe 6c0a
 00002b00 2f0a
 00002b02 61000080
 00002b06 60000008
 00002b0a 2f0a
 00002b0c 61000034
 00002b10 2e8a
 00002b12 6100008c
 00002b16 2f0b
 00002b18 61000086
 00002b1c 504f
 00002b1e 5243
 00002b20 0c43003f
 00002b24 6fd2
 00002b26 2212
 00002b28 b393

7249C - MOVE.WD3, -(SP)
 724A4 - MOVE.WD5, -(SP)
 MOVE.LA2, -(SP)
 MOVE.LA3, -(SP)
 (1C784, 1C77C, 4, 0)

724C8 - BSR L360
 LINK A6, #0
 MOVEM.L D3-D6, -(SP)
 MOVE.L8(A6), D6
 MOVE.L12(A6), D5
 MOVE.W16(A6), D3
 MOVE.W18(A6), D4
 MOVE.LD5, -(SP)
 MOVE.LD6, -(SP)

724DC - BSR L379
 MOVE.WD3, -(SP)
 MOVE.LD5, -(SP)
 MOVE.LD6, -(SP)
 (1C784, 1C77C)

724E6 - BSR L362
 MOVE.LD5, -(SP)
 MOVE.LD6, -(SP)
 724EE - BSR L379
 724F2 - ADDA.W#\$1a, SP
 TST.W D4
 BNE L361
 MOVE.LD5, -(SP)
 MOVE.LD6, -(SP)
 (1C784, 1C77C, 4)
 secret in 3
 if (in 4 == 0)

724F8 - BSR L384
 72502 - L361
 MOVEM.L -16(A6), D3-D6
 UNLK A6
 RTS

7250C - L362
 LINK A6, #0
 MOVEM.L D3-D5/A2/A3, -(SP)
 MOVEA.L 8(A6), A2
 MOVEA.L 12(A6), A3
 MOVE.W16(A6), D5
 MOVEQ #1, D4
 CMP.W D4, D5
 BLT L367
 CLR.W D3

72516 - L363
 7251C - L364
 MOVE.L(A3), D0
 MOVE.L(A2), D1
 EOR.L D1, D0
 BGE L365
 MOVE.LA2, -(SP)
 BSR L373
 BRA L366

7252C - L365
 72532 - L366
 MOVE.LA2, -(SP)
 BSR L368
 MOVE.LA2, (SP)
 BSR L374
 MOVE.LA3, -(SP)
 BSR L374

72542 - L366
 MOVE.LA2, -(SP)
 BSR L368
 MOVE.LA2, (SP)
 BSR L374
 MOVE.LA3, -(SP)
 BSR L374
 ADDQ.W#8, SP
 ADDQ.W#1, D3
 CMPI.W#\$3f, D3
 BLE L364
 MOVE.L(A2), D1
 EOR.L D1, (A3)

7246A - L359

72488 - BSR L388 - expand time

72498 - BSR L405 - mem move

A2 = mp4
 A3 = secret
 DS = len

key

simple transform

simple transform

transform

transform

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00002b2a 222a0004 MOVE.L4(A2),D1
00002b2e b3ab0004 EOR.L D1,4(A3)
00002b32 5244 ADDQ.W#1,D4
00002b34 ba44 CMP.W D4,D5
00002b36 6cbe BGE L363
00002b38 4cee0c38ffec L367 MOVEM.L -20(A6),D3-D5/A2/A3
00002b3e 4e5e UNLK A6
00002b40 4e75 RTS

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00002b42 4e560000 L368 LINK A6,#0
00002b46 206e0008 MOVEM.L 8(A6),A0
00002b4a 1010 MOVEM.B(A0),D0
00002b4c 08000000 BTST.L#0,D0
00002b50 670a BEQ L369
00002b52 e200 ASR.B #1,D0
00002b54 0000ff80 ORI.B #-S80,D0
00002b58 60000004 BRA L370
00002b5c e208 LSR.B #1,D0
00002b5e 5300 SUBQ.B#1,D0
00002b60 1080 MOVE.BD0,(A0)
00002b62 1010 MOVEM.B(A0),D0
00002b64 08000000 BTST.L#0,D0
00002b68 670a BEQ L371
00002b6a e200 ASR.B #1,D0
00002b6c 0000ff80 ORI.B #-S80,D0
00002b70 60000004 BRA L372
00002b74 e208 LSR.B #1,D0
00002b76 5300 SUBQ.B#1,D0
00002b78 12280004 MOVEM.B4(A0),D1
00002b7c b101 EOR.B D0,D1
00002b7e 1081 MOVE.BD1,(A0)
00002b80 4e5e UNLK A6
00002b82 4e75 RTS

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00002b84 4e560000 L373 LINK A6,#0
00002b88 206e0008 MOVEM.L 8(A6),A0
00002b8c 10280004 MOVEM.B4(A0),D0
00002b90 123c0064 MOVEM.B#S64,D1
00002b94 9210 SUB.B(A0),D1
00002b96 11410004 MOVEM.BD1,4(A0)
00002b9a 1080 MOVE.BD0,(A0)
00002b9c 4e5e UNLK A6
00002b9e 4e75 RTS

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00002ba0 4e560000 L374 LINK A6,#0
00002ba4 206e0008 MOVEM.L 8(A6),A0
00002ba8 22280004 MOVE.L4(A0),D1
00002bac 4a90 TST.L(A0)
00002bae 6c10 BGE L375
00002bb0 2001 MOVE.LD1,D0
00002bb2 d080 ADD.L D0,D0
00002bb4 7401 MOVEQ #1,D2
00002bb6 8480 OR.L D0,D2
00002bb8 21420004 MOVE.LD2,4(A0)
00002bbc 6000000a BRA L376
00002bc0 2001 MOVE.LD1,D0
00002bc2 d080 ADD.L D0,D0
00002bc4 21400004 MOVE.LD0,4(A0)
00002bc8 4a81 TST.L D1
00002bca 6c0e BGE L377
00002bcc 2010 MOVE.L(A0),D0
00002bce d080 ADD.L D0,D0
00002bd0 7401 MOVEQ #1,D2
00002bd2 8480 OR.L D0,D2
00002bd4 2082 MOVE.LD2,(A0)
00002bd6 60000008 BRA L378

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00002bda 2010 L377 MOVE.L(A0),D0
00002bdc d080 ADD.L D0,D0
00002bde 2080 MOVE.LD0,(A0)
00002be0 4e5e UNLK A6
00002be2 4e75 RTS

00002be4 4e56fffd L379 LINK A6,#-44
00002be8 48e71f30 MOVEM.L D3-D7/A2/A3,-(SP)
00002bec 226e0008 MOVEA.L 8(A6),A1
00002bf0 42aefff8 CLR.L -8(A6)
00002bf4 42aefffc CLR.L -4(A6)
00002bf8 426efff4 CLR.W -12(A6)
00002bfc 42aeffe8 CLR.L -24(A6)
00002c00 7201 MOVEQ #1,D1
00002c02 926efff4 SUB.W -12(A6),D1
00002c06 426efff6 CLR.W -10(A6)
00002c0a 302efff4 MOVE.W-12(A6),D0
00002c0e 48c0 EXT.L D0
00002c10 e580 ASL.L #2,D0
00002c12 2d40fff0 MOVE.LD0,-16(A6)
00002c16 42aeffec CLR.L -20(A6)
00002c1a 48c1 EXT.L D1
00002c1c 2c01 MOVE.LD1,D6
00002c1e e586 ASL.L #2,D6
00002c20 307c001f MOVEA.W #S1f,A0
00002c24 4242 CLR.W D2
00002c26 347c001c MOVEA.W #S1c,A2
00002c2a 2e2efff0 MOVE.L-16(A6),D7
00002c2e 266e000c MOVEA.L 12(A6),A3
00002c32 20337800 MOVE.L0(A3,D7.L),D0
00002c36 3d4affee MOVE.WA2,-18(A6)
00002c3a 2e2effec MOVE.L-20(A6),D7
00002c3e eea8 LSR.L D7,D0
00002c40 0240000f ANDI.W#Sf,D0
00002c44 3d40ffd6 MOVE.WD0,-42(A6)
00002c48 3202 MOVE.WD2,D1
00002c4a 48c1 EXT.L D1
00002c4c 70fe MOVEQ #-2,D0
00002c4e e3b8 ROL.L D1,D0
00002c50 2200 MOVE.LD0,D1
00002c52 4244 CLR.W D4
00002c54 b86effd6 CMP.W -42(A6),D4
00002c58 6c50 BGE L383
00002c5a 3d48ffd4 MOVE.WA0,-44(A6)
00002c5e 7a00 MOVEQ #0,D5
00002c60 2611 MOVE.L(A1),D3
00002c62 028380000000 ANDI.L#-S80000000,D3
00002c68 3a2effd4 MOVE.W-44(A6),D5
00002c6c eaab LSR.L D5,D3
00002c6e 2f09 MOVE.LA1,-(SP)
00002c70 2d41ffe4 MOVE.LD1,-28(A6)
00002c74 2d42ffe0 MOVE.LD2,-32(A6)
00002c78 2d48ffdc MOVE.LA0,-36(A6)
00002c7c 2d49ffdc MOVE.LA1,-40(A6)
00002c80 6100ff1e BSR L374
00002c84 222effe4 MOVE.L-28(A6),D1
00002c88 226effd8 MOVEA.L -40(A6),A1
00002c8c 20316800 MOVE.L0(A1,D6.L),D0
00002c90 c081 AND.L D1,D0
00002c92 8083 OR.L D3,D0
00002c94 23806800 MOVE.LD0,0(A1,D6.L)
00002c98 584f ADDQ.W#4,SP
00002c9a 5244 ADDQ.W#1,D4
00002c9c 242effe0 MOVE.L-32(A6),D2
00002ca0 206effdc MOVEA.L -36(A6),A0
00002ca4 b86effd6 CMP.W -42(A6),D4

```

Simple transform 2

A0=1C784
Simple transform 1

L377
L378

L379

L380

L381

• 72674

• 72680

72688

72690

x 72698

• 72696

72680

72684

• 72688

• 72682

• 72684

72604

MOVE.L(A0),D0
ADD.L D0,D0
MOVE.LD0,(A0)
UNLK A6
RTS

LINK A6,#-44
MOVEM.L D3-D7/A2/A3,-(SP)
MOVEA.L 8(A6),A1

CLR.L -8(A6)
CLR.L -4(A6)
CLR.W -12(A6)
CLR.L -24(A6)
MOVEQ #1,D1
SUB.W -12(A6),D1
CLR.W -10(A6)
MOVE.W-12(A6),D0
EXT.L D0
ASL.L #2,D0
MOVE.LD0,-16(A6)
CLR.L -20(A6)
EXT.L D1
MOVE.LD1,D6
ASL.L #2,D6
MOVEA.W #S1f,A0
CLR.W D2
MOVEA.W #S1c,A2
MOVE.L-16(A6),D7
MOVEA.L 12(A6),A3
MOVE.L0(A3,D7.L),D0
MOVE.WA2,-18(A6)
MOVE.L-20(A6),D7
LSR.L D7,D0
ANDI.W#Sf,D0
MOVE.WD0,-42(A6)
MOVE.WD2,D1
EXT.L D1
MOVEQ #-2,D0
ROL.L D1,D0
MOVE.LD0,D1
CLR.W D4
CMP.W -42(A6),D4
BGE L383
MOVE.WA0,-44(A6)
MOVEQ #0,D5
MOVE.L(A1),D3
ANDI.L#-S80000000,D3
MOVE.W-44(A6),D5
LSR.L D5,D3
MOVE.LA1,-(SP)
MOVE.LD1,-28(A6)
MOVE.LD2,-32(A6)
MOVE.LA0,-36(A6)
MOVE.LA1,-40(A6)
BSR L374
MOVE.L-28(A6),D1
MOVEA.L -40(A6),A1
MOVE.L0(A1,D6.L),D0
AND.L D1,D0
OR.L D3,D0
MOVE.LD0,0(A1,D6.L)
ADDQ.W#4,SP
ADDQ.W#1,D4
MOVE.L-32(A6),D2
MOVEA.L -36(A6),A0
CMP.W -42(A6),D4

00002ca8	6db6	BLT L382
00002caa	3d4affea	MOVE.WA2, -22 (A6)
00002cae	203cf0000000	MOVE.L#-\$10000000, D0
00002cb4	2e2effe8	MOVE.L-24 (A6), D7
00002cb8	eea8	LSR.L D7, D0
00002cba	c0b16800	AND.L 0 (A1, D6.L), D0
00002cbe	81b668f8	OR.L D0, -8 (A6, D6.L)
00002cc2	5948	SUBQ.W#4, A0
00002cc4	5842	ADDQ.W#4, D2
00002cc6	594a	SUBQ.W#4, A2
00002cc8	526efff6	ADDQ.W#1, -10 (A6)
00002ccc	0c6e0007fff6	CMPI.W#7, -10 (A6)
00002cd2	6f00ff56	BLE L381
00002cde	526efff4	ADDQ.W#1, -12 (A6)
00002cda	0c6e0001fff4	CMPI.W#1, -12 (A6)
00002ce0	6f00ff1e	BLE L380
00002ce4	22aefff8	MOVE.L-8 (A6), (A1)
00002ce8	236efffc0004	MOVE.L-4 (A6), 4 (A1)
00002cee	4cee0cf8ffb8	MOVEM.L -72 (A6), D3-D7/A2/A3
00002cf4	4e5e	UNLK A6
00002cf6	4e75	RTS

00002cf8	4e560000	LINK A6, #0
00002cfc	48e71e30	MOVEM.L D3-D6/A2/A3, -(SP)
00002d00	246e0008	MOVEA.L 8 (A6), A2
00002d04	266e000c	MOVEA.L 12 (A6), A3
00002d08	48780005	PEA \$0005.W
00002d0c	7c0f	MOVEQ #15, D6
00002d0e	ccab0004	AND.L 4 (A3), D6
00002d12	2f06	MOVE.LD6, -(SP)
00002d14	610034e6	BSR L513
00002d18	504f	ADDQ.W#8, SP
00002d1a	3800	MOVE.WD0, D4
00002d1c	4245	CLR.W D5
00002d1e	4243	CLR.W D3
00002d20	2f0a	MOVE.LA2, -(SP)
00002d22	6100fe7c	BSR L374
00002d26	2f0b	MOVE.LA3, -(SP)
00002d28	6100fe76	BSR L374
00002d2c	504f	ADDQ.W#8, SP
00002d2e	5243	ADDQ.W#1, D3
00002d30	0c430003	CMPI.W#3, D3
00002d34	6fea	BLE L386
00002d36	700f	MOVEQ #15, D0
00002d38	c0ab0004	AND.L 4 (A3), D0
00002d3c	48780005	PEA \$0005.W
00002d40	2240	MOVEA.L D0, A1
00002d42	48714000	PEA 0 (A1, D4.W)
00002d46	610034b4	BSR L513
00002d4a	504f	ADDQ.W#8, SP
00002d4c	3800	MOVE.WD0, D4
00002d4e	242a0004	MOVE.L4 (A2), D2
00002d52	3002	MOVE.WD2, D0
00002d54	0240000f	ANDI.W#5E, D0
00002d58	0c400009	CMPI.W#9, D0
00002d5c	6f20	BLE L387
00002d5e	7c0f	MOVEQ #-16, D6
00002d60	c486	AND.L D6, D2
00002d62	5540	SUBQ.W#2, D0
00002d64	3204	MOVE.WD4, D1
00002d66	e341	ASL.W #1, D1
00002d68	9041	SUB.W D1, D0
00002d6a	7c0a	MOVEQ #10, D6
00002d6c	48c0	EXT.L D0
00002d6e	81c6	DIVS.WD6, D0
00002d70	2200	MOVE.LD0, D1

726DA L383

726E8

726F2

72726

72714

72728

7272C

72748

L385

L386

72766

7277C

72784

7278E

72796

7279E

0x10586 out

A2 = 10784 = data
A3 = 1077C = ~~data~~ sides

for

7277C

72788

72792

00002d72	4841	SWAP D1
00002d74	3041	MOVEA.W D1, A0
00002d76	2c08	MOVE.LA0, D6
00002d78	8c82	OR.L D2, D6
00002d7a	25460004	MOVE.LD6, 4 (A2)
00002d7e	5245	ADDQ.W#1, D5
00002d80	0c45000f	CMPI.W#5f, D5
00002d84	6f98	BLE L385
00002d86	4cee0c78ffe8	MOVEM.L -24 (A6), D3-D6/A2/A3
00002d8c	4e5e	UNLK A6
00002d8e	4e75	RTS

00002d90	4e560000	LINK A6, #0
00002d94	202e0008	MOVE.L8 (A6), D0
00002d98	206e000c	MOVEA.L 12 (A6), A0
00002d9c	2200	MOVE.LD0, D1
00002d9e	e181	ASL.L #8, D1
00002da0	8200	OR.B D0, D1
00002da2	2081	MOVE.LD1, (A0)
00002da4	21410004	MOVE.LD1, 4 (A0)
00002da8	4e5e	UNLK A6
00002daa	4e75	RTS

00002dac	4e560000	LINK A6, #0
00002db0	202e0008	MOVE.L8 (A6), D1
00002db4	206e000c	MOVEA.L 12 (A6), A0
00002db8	7003	MOVEQ #3, D0
00002dba	11810000	MOVE.BD1, 0 (A0, D0.W)
00002dbe	e081	ASR.L #8, D1
00002dc0	51c8ffff	DBRA D0, L390
00002dc4	4e5e	UNLK A6
00002dc6	4e75	RTS

00002dc8	4e560000	LINK A6, #0
00002dcc	2f03	MOVE.LD3, -(SP)
00002dce	226e0008	MOVEA.L 8 (A6), A1
00002dd2	306e000c	MOVEA.W 12 (A6), A0
00002dd6	7000	MOVEQ #0, D0
00002dd8	4242	CLR.W D2
00002dda	b448	CMP.W A0, D2
00002ddc	6c16	BGE L393
00002dde	4243	CLR.W D3
00002de0	2200	MOVE.LD0, D1
00002de2	e181	ASL.L #8, D1
00002de4	16312000	MOVE.B0 (A1, D2.W), D3
00002de8	3003	MOVE.WD3, D0
00002dea	48c0	EXT.L D0
00002dec	8081	OR.L D1, D0
00002dee	5242	ADDQ.W#1, D2
00002df0	b448	CMP.W A0, D2
00002df2	6dec	BLT L392
00002df4	262efffc	MOVE.L-4 (A6), D3
00002df8	4e5e	UNLK A6
00002dfa	4e75	RTS

00002dfc	4e560000	LINK A6, #0
00002e00	226e0008	MOVEA.L 8 (A6), A1
00002e04	342e000c	MOVE.W12 (A6), D2
00002e08	4241	CLR.W D1
00002e0a	b441	CMP.W D1, D2
00002e0c	6f24	BLE L395
00002e0e	3041	MOVEA.W D1, A0
00002e10	10309800	MOVE.B0 (A0, A1.L), D0
00002e14	11b188039800	MOVE.B3 (A1, A0.L), 0 (A0, A1.L)
00002e1a	13808803	MOVE.BD0, 3 (A1, A0.L)
00002e1e	10318801	MOVE.B1 (A1, A0.L), D0

L387 727AE

72786

72728

7272C

727DA

72728

7272C

72726

72728

727A6

Expand time

Copy?

More memory →
D0

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00002e22 13b188028801 MOVE.B2(A1,A0.L),1(A1,A0.L)
00002e28 13808802 MOVE.BD0,2(A1,A0.L)
00002e2c 5841 ADDQ.W#4,D1
00002e2e b441 CMP.W D1,D2
00002e30 6edc BGT L394
00002e32 4e5e UNLK A6
00002e34 4e75 RTS

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L395

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00002e36 4e560000 LINK A6,#0
00002e3a 2f04 MOVE.LD4,-(SP)
00002e3c 2f03 MOVE.LD3,-(SP)
00002e3e 262e000c MOVE.L12(A6),D3
00002e42 382e0010 MOVE.W16(A6),D4
00002e46 3004 MOVE.WD4,D0
00002e48 5240 ADDQ.W#1,D0
00002e4a 3200 MOVE.WD0,D1
00002e4c 740f MOVEQ.#15,D2
00002e4e e469 LSR.W D2,D1
00002e50 d041 ADD.W D1,D0
00002e52 e240 ASR.W #1,D0
00002e54 3f00 MOVE.WD0,-(SP)
00002e56 2f03 MOVE.LD3,-(SP)
00002e58 2f2e0008 MOVE.L8(A6),-(SP)
00002e5c 61000068 BSR L402
00002e60 3f04 MOVE.WD4,-(SP)
00002e62 2f03 MOVE.LD3,-(SP)
00002e64 61000010 BSR L397
00002e68 2043 MOVEA.L D3,A0
00002e6a 262efff8 MOVE.L-8(A6),D3
00002e6e 282efffc MOVE.L-4(A6),D4
00002e72 4e5e UNLK A6
00002e74 4e75 RTS

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72866

Int out lan
(1C7E6, 1C7E8, 8)

7288C

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00002e76 4e560000 LINK A6,#0
00002e7a 2f04 MOVE.LD4,-(SP)
00002e7c 2f03 MOVE.LD3,-(SP)
00002e7e 226e0008 MOVEA.L 8(A6),A1
00002e82 382e000c MOVEA.W12(A6),D4
00002e86 4242 CLR.W D2
00002e88 b842 CMP.W D2,D4
00002e8a 6f2e BLE L401
00002e8c 4243 CLR.W D3
00002e8e 3042 MOVEA.W D2,A0
00002e90 10309800 MOVE.B0(A0,A1.L),D0
00002e94 1600 MOVE.BD0,D3
00002e96 3203 MOVE.WD3,D1
00002e98 48c1 EXT.L D1
00002e9a 0c000009 CMPI.B#9,D0
00002e9e 630a ELS L399
00002ea0 1001 MOVE.BD1,D0
00002ea2 06000057 ADDI.B#57,D0
00002ea6 60000008 ERA L400
00002ea8 1001 MOVE.BD1,D0
00002eac 06000030 ADDI.B#30,D0
00002eb0 11809800 MOVE.BD0,0(A0,A1.L)
00002eb4 5242 ADDQ.W#1,D2
00002eb6 b842 CMP.W D2,D4
00002eb8 6ed4 BGT L398
00002eba 262efff8 MOVE.L-8(A6),D3
00002ebe 282efffc MOVE.L-4(A6),D4
00002ec2 4e5e UNLK A6
00002ec4 4e75 RTS

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L398

L399

L400

L401

L402

-I to A

72884

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00002ec6 4e560000 LINK A6,#0
00002eca 48e71030 MOVEM.L D3/A2/A3,-(SP)
00002ece 266e0008 MOVEA.L 8(A6),A3

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00002ed2 246e000c MOVEA.L 12(A6),A2
00002ed6 342e0010 MOVE.W16(A6),D2
00002eda 4241 CLR.W D1
00002edc b441 CMP.W D1,D2
00002ede 6f24 BLE L404
00002ee0 3041 MOVEA.W D1,A0
00002ee2 d0c1 ADDA.WD1,A0
00002ee4 3048 MOVEA.W A0,A0
00002ee6 3241 MOVEA.W D1,A1
00002ee8 1031b800 MOVE.B0(A1,A3.L),D0
00002eec e808 LSR.B #4,D0
00002eee 1180a800 MOVE.BD0,0(A0,A2.L)
00002ef2 1631b800 MOVE.B0(A1,A3.L),D3
00002ef6 0203000f ANDI.B#5f,D3
00002efa 15838801 MOVE.BD3,1(A2,A0.L)
00002efe 5241 ADDQ.W#1,D1
00002f00 b441 CMP.W D1,D2
00002f02 6edc BGT L403
00002f04 4cee0c08fff4 MOVEM.L -12(A6),D3/A2/A3
00002f0a 4e5e UNLK A6
00002f0c 4e75 RTS

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L403

L404

```

00002f0e 4e560000 LINK A6,#0
00002f12 226e0008 MOVEA.L 8(A6),A1
00002f16 206e000c MOVEA.L 12(A6),A0
00002f1a 322e0010 MOVE.W16(A6),D1
00002f1e 4240 CLR.W D0
00002f20 b240 CMP.W D0,D1
00002f22 6f0c BLE L407
00002f24 11b100000000 MOVE.B0(A1,D0.W),0(A0,D0.W)
00002f2a 5240 ADDQ.W#1,D0
00002f2c b240 CMP.W D0,D1
00002f2e 6ef4 BGT L406
00002f30 4e5e UNLK A6
00002f32 4e75 RTS

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L405

L406

L407

Mem move

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00002f34 4e560000 LINK A6,#0
00002f38 226e0008 MOVEA.L 8(A6),A1
00002f3c 206e000c MOVEA.L 12(A6),A0
00002f40 322e0010 MOVE.W16(A6),D1
00002f44 4240 CLR.W D0
00002f46 b240 CMP.W D0,D1
00002f48 6f16 BLE L410
00002f4a 14300000 MOVE.B0(A0,D0.W),D2
00002f4e b4310000 CMP.B 0(A1,D0.W),D2
00002f52 6706 BEQ L409
00002f54 4240 CLR.W D0
00002f56 6000000a BRA L411
00002f5a 5240 ADDQ.W#1,D0
00002f5c b240 CMP.W D0,D1
00002f5e 6eea BGT L408
00002f60 7001 MOVEQ #1,D0
00002f62 4e5e UNLK A6
00002f64 4e75 RTS

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L408

L409

L410

L411

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00002f66 4e560000 LINK A6,#0
00002f6a 2f03 MOVE.LD3,-(SP)
00002f6c 262e0008 MOVE.L8(A6),D3
00002f70 4e4fa0f5 TRAP #15
00002f74 DC.W sysTrapTimGetSeconds
00002f76 7480 MOVEQ #-128,D2
00002f78 d682 ADD.L D2,D3
00002f7a 2203 MOVE.LD3,D1
00002f7c e781 ASL.L #3,D1
00002f7e 9283 SUB.L D3,D1
00002f80 eb81 ASL.L #5,D1

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DC.W


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00002f80 d283 ADD.L D3,D1
00002f82 e581 ASL.L #2,D1
00002f84 2040 MOVEA.L D0,A0
00002f86 91c1 SUBA.LD1,A0
00002f88 4878001e PEA $001e.W
00002f8c d1fc65c1d180 ADDA.L#$65c1d180,A0
00002f92 2f08 MOVE.LA0,-(SP)
00002f94 61003ebe BSR L573
00002f98 262efffc MOVE.L-4(A6),D3
00002f9c 4e5e UNLK A6
00002f9e 4e75 RTS
;-----
00002fa0 4e560000 LINK A6,#0
00002fa4 48e71e30 MOVEM.L D3-D6/A2/A3,-(SP)
00002fa8 2a2e0008 MOVE.L8(A6),D5
00002fac 2c2e000c MOVE.L12(A6),D6
00002fb0 262e0010 MOVE.L16(A6),D3
00002fb4 246e0014 MOVEA.L 20(A6),A2
00002fb8 266e0018 MOVEA.L 24(A6),A3
00002fbc 4e4fa0f5 TRAP #15
00002fc0 DC.W sysTrapTimGetSeconds
00002fc0 7480 MOVEQ #-128,D2
00002fc2 d682 ADD.L D2,D3
00002fc4 2203 MOVE.LD3,D1
00002fc6 e781 ASL.L #3,D1
00002fc8 9283 SUB.L D3,D1
00002fca eb81 ASL.L #5,D1
00002fcc d283 ADD.L D3,D1
00002fce e581 ASL.L #2,D1
00002fd0 2040 MOVEA.L D0,A0
00002fd2 91c1 SUBA.LD1,A0
00002fd4 4878001e PEA $001e.W
00002fd8 d1fc65c1d180 ADDA.L#$65c1d180,A0
00002fde 2f08 MOVE.LA0,-(SP)
00002fe0 610031c6 BSR L508
00002fe4 504f ADDQ.W#8,SP
00002fe6 2800 MOVE.LD0,D4
00002fe8 2f05 MOVE.LD5,-(SP)
00002fea 48780010 PEA $0010.W
00002fee 610031b8 BSR L508
00002ff2 584f ADDQ.W#4,SP
00002ff4 2e86 MOVE.LD6,(SP)
00002ff6 2f00 MOVE.LD0,-(SP)
00002ff8 610031de BSR L512
00002ffc 504f ADDQ.W#8,SP
00002ffe 2600 MOVE.LD0,D3
00003000 2f03 MOVE.LD3,-(SP)
00003002 2f04 MOVE.LD4,-(SP)
00003004 610031a2 BSR L508
00003008 584f ADDQ.W#4,SP
0000300a 2e83 MOVE.LD3,(SP)
0000300c 2f00 MOVE.LD0,-(SP)
0000300e 610031c8 BSR L512
00003012 504f ADDQ.W#8,SP
00003014 2480 MOVE.LD0,(A2)
00003016 2f06 MOVE.LD6,-(SP)
00003018 9880 SUB.L D0,D4
0000301a 2f04 MOVE.LD4,-(SP)
0000301c 6100318a BSR L508
00003020 2680 MOVE.LD0,(A3)
00003022 4cee0c78ffe8 MOVEM.L -24(A6),D3-D6/A2/A3
00003028 4e5e UNLK A6
0000302a 4e75 RTS
;-----
0000302c 01010202 L412 DC.W #257,#514
00003030 04040707 DC.W #1028,#1799

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00003034 08080b0b DC.W #2056,#2827
00003038 0d0d0e0e DC.W #3341,#3598
0000303c 10101313 DC.W #4112,#4883
00003040 15151616 DC.W #5397,#5654
00003044 19191a1a DC.W #6425,#6682
00003048 1c1c1f1f DC.W #7196,#7967
0000304c 20202323252526262929 DC.B '
##&&&))**,,//1122447788;==>@CCEEFFIIJLLLOOQRRRTTXX[[ ]^aabbddgghhkkmm
nn'
00003056 2a2a2c2c2f2f31313232
00003060 3434373738383b3b3d3d
0000306a 3e3e4040434345454646
00003074 49494a4a4c4c4f4f5151
0000307e 52525454575758585b5b
00003088 5d5d5e5e616162626464
00003092 676768686b6b6d6d6e6e
0000309c 70707373757576767979 DC.B 'ppssuuuvvyyzz||'
000030a6 7a7a7c7c
000030aa 7f7f8080 DC.W #32639,#-32640
000030ae 83838585 DC.W #-31869,#-31355
000030b2 86868989 DC.W #-31098,#-30327
000030b6 8a8a8c8c DC.W #-30070,#-29556
000030ba 8f8f9191 DC.W #-28785,#-28271
000030be 92929494 DC.W #-28014,#-27500
000030c2 97979898 DC.W #-26729,#-26472
000030c6 9b9b9d9d DC.W #-25701,#-25187
000030ca 9e9ea1a1 DC.W #-24930,#-24159
000030ce a2a2a4a4 DC.W #-23902,#-23388
000030d2 a7a7a8a8 DC.W #-22617,#-22360
000030d6 ababadad DC.W #-21589,#-21075
000030da aeae0b0 DC.W #-20818,#-20304
000030de b3b35b5 DC.W #-19533,#-19019
000030e2 b6b6b9b9 DC.W #-18762,#-17991
000030e6 bababcbc DC.W #-17734,#-17220
000030ea bfbf1c1c DC.W #-16449,#-15935
000030ee c2c2c4c4 DC.W #-15678,#-15164
000030f2 c7c7c8c8 DC.W #-14393,#-14136
000030f6 cbcbcdcd DC.W #-13365,#-12851
000030fa ceced0d0 DC.W #-12594,#-12080
000030fe d3d3d5d5 DC.W #-11309,#-10795
00003102 d6d6d9d9 DC.W #-10538,#-9767
00003106 dadadcdc DC.W #-9510,#-8996
0000310a dfdf0e0 DC.W #-8225,#-7968
0000310e e3e3e5e5 DC.W #-7197,#-6683
00003112 e6e6e9e9 DC.W #-6426,#-5655
00003116 eaeaecec DC.W #-5398,#-4884
0000311a efeff1f1 DC.W #-4113,#-3599
0000311e f2f2f4f4 DC.W #-3342,#-2828
00003122 f7f7f8f8 DC.W #-2057,#-1800
00003126 fbfbfdfd DC.W #-1029,#-515
0000312a fefe DC.W #-258
0000312c 00000000 DC.W #0,#0
00003130 00000010 DC.W #0,#16
00003134 20000000 DC.W #8192,#0
00003138 20000010 DC.W #8192,#16
0000313c 00010000 DC.W #1,#0
00003140 00010010 DC.W #1,#16
00003144 20010000 DC.W #8193,#0
00003148 20010010 DC.W #8193,#16
0000314c 00000800 DC.W #0,#2048
00003150 00000810 DC.W #0,#2064
00003154 20000800 DC.W #8192,#2048
00003158 20000810 DC.W #8192,#2064
0000315c 00010800 DC.W #1,#2048
00003160 00010810 DC.W #1,#2064
00003164 20010800 DC.W #8193,#2048

```

00003168 20010810
0000316c 00000020
00003170 00000030
00003174 20000020
00003178 20000030
0000317c 00010020
00003180 00010030
00003184 20010020
00003188 20010030
0000318c 00000820
00003190 00000830
00003194 20000820
00003198 20000830
0000319c 00010820
000031a0 00010830
000031a4 20010820
000031a8 20010830
000031ac 00000000
000031b0 00080010
000031b4 20080000
000031b8 20080010
000031bc 00090000
000031c0 00090010
000031c4 20090000
000031c8 20090010
000031cc 00080800
000031d0 00080810
000031d4 20080800
000031d8 20080810
000031dc 00090800
000031e0 00090810
000031e4 20090800
000031e8 20090810
000031ec 00080020
000031f0 00080030
000031f4 20080020
000031f8 20080030
000031fc 00090020
00003200 00090030
00003204 20090020
00003208 20090030
0000320c 00080820
00003210 00080830
00003214 20080820
00003218 20080830
0000321c 00090820
00003220 00090830
00003224 20090820
00003228 20090830
0000322c 00000000
00003230 02000000
00003234 00002000
00003238 02002000
0000323c 00200000
00003240 02200000
00003244 00202000
00003248 02202000
0000324c 00000004
00003250 02000004
00003254 00002004
00003258 02002004
0000325c 00200004
00003260 02200004
00003264 00202004
00003268 02202004
0000326c 00000400

L414

DC.W #8193,#2064
DC.W #0,#32
DC.W #0,#48
DC.W #8192,#32
DC.W #8192,#48
DC.W #1,#32
DC.W #1,#48
DC.W #8193,#32
DC.W #8193,#48
DC.W #0,#2080
DC.W #0,#2096
DC.W #8192,#2080
DC.W #8192,#2096
DC.W #1,#2080
DC.W #1,#2096
DC.W #8193,#2080
DC.W #8193,#2096
DC.W #8,#0
DC.W #8,#16
DC.W #8200,#0
DC.W #8200,#16
DC.W #9,#0
DC.W #9,#16
DC.W #8201,#0
DC.W #8201,#16
DC.W #8,#2048
DC.W #8,#2064
DC.W #8200,#2048
DC.W #8200,#2064
DC.W #9,#2048
DC.W #9,#2064
DC.W #8201,#2048
DC.W #8201,#2064
DC.W #8,#32
DC.W #8,#48
DC.W #8200,#32
DC.W #8200,#48
DC.W #9,#32
DC.W #9,#48
DC.W #8201,#32
DC.W #8201,#48
DC.W #8,#2080
DC.W #8,#2096
DC.W #8200,#2080
DC.W #8200,#2096
DC.W #9,#2080
DC.W #9,#2096
DC.W #8201,#2080
DC.W #8201,#2096
DC.W #0,#0
DC.W #512,#0
DC.W #0,#8192
DC.W #512,#8192
DC.W #32,#0
DC.W #544,#0
DC.W #32,#8192
DC.W #544,#8192
DC.W #0,#4
DC.W #512,#4
DC.W #0,#8196
DC.W #512,#8196
DC.W #32,#4
DC.W #544,#4
DC.W #32,#8196
DC.W #544,#8196
DC.W #0,#1024

00003270 02000400
00003274 00002400
00003278 02002400
0000327c 00200400
00003280 02200400
00003284 00202400
00003288 02202400
0000328c 00000404
00003290 02000404
00003294 00002404
00003298 02002404
0000329c 00200404
000032a0 02200404
000032a4 00202404
000032a8 02202404
000032ac 10000000
000032b0 12000000
000032b4 10002000
000032b8 12002000
000032bc 10200000
000032c0 12200000
000032c4 10202000
000032c8 12202000
000032cc 10000004
000032d0 12000004
000032d4 10002004
000032d8 12002004
000032dc 10200004
000032e0 12200004
000032e4 10202004
000032e8 12202004
000032ec 10000400
000032f0 12000400
000032f4 10002400
000032f8 12002400
000032fc 10200400
00003300 12200400
00003304 10202400
00003308 12202400
0000330c 10000404
00003310 12000404
00003314 10002404
00003318 12002404
0000331c 10200404
00003320 12200404
00003324 10202404
00003328 12202404
0000332c 00000000
00003330 00000001
00003334 00040000
00003338 00040001
0000333c 01000000
00003340 01000001
00003344 01040000
00003348 01040001
0000334c 00000002
00003350 00000003
00003354 00040002
00003358 00040003
0000335c 01000002
00003360 01000003
00003364 01040002
00003368 01040003
0000336c 00000200
00003370 00000201
00003374 00040200

L415

DC.W #512,#1024
DC.W #0,#9216
DC.W #512,#9216
DC.W #32,#1024
DC.W #544,#1024
DC.W #32,#9216
DC.W #544,#9216
DC.W #0,#1028
DC.W #512,#1028
DC.W #0,#9220
DC.W #512,#9220
DC.W #32,#1028
DC.W #544,#1028
DC.W #32,#9220
DC.W #544,#9220
DC.W #4096,#0
DC.W #4608,#0
DC.W #4096,#8192
DC.W #4608,#8192
DC.W #4128,#0
DC.W #4640,#0
DC.W #4128,#8192
DC.W #4640,#8192
DC.W #4096,#4
DC.W #4608,#4
DC.W #4096,#8196
DC.W #4608,#8196
DC.W #4128,#4
DC.W #4640,#4
DC.W #4128,#8196
DC.W #4640,#8196
DC.W #4096,#1024
DC.W #4608,#1024
DC.W #4096,#9216
DC.W #4608,#9216
DC.W #4128,#1024
DC.W #4640,#1024
DC.W #4128,#9216
DC.W #4640,#9216
DC.W #4096,#1028
DC.W #4608,#1028
DC.W #4096,#9220
DC.W #4608,#9220
DC.W #4128,#1028
DC.W #4640,#1028
DC.W #4128,#9220
DC.W #4640,#9220
DC.W #0,#0
DC.W #0,#1
DC.W #4,#0
DC.W #4,#1
DC.W #256,#0
DC.W #256,#1
DC.W #260,#0
DC.W #260,#1
DC.W #0,#2
DC.W #0,#3
DC.W #4,#2
DC.W #4,#3
DC.W #256,#2
DC.W #256,#3
DC.W #260,#2
DC.W #260,#3
DC.W #0,#512
DC.W #0,#513
DC.W #4,#512

00003378 00040201
0000337c 01000200
00003380 01000201
00003384 01040200
00003388 01040201
0000338c 00000202
00003390 00000203
00003394 00040202
00003398 00040203
0000339c 01000202
000033a0 01000203
000033a4 01040202
000033a8 01040203
000033ac 08000000
000033b0 08000001
000033b4 08040000
000033b8 08040001
000033bc 09000000
000033c0 09000001
000033c4 09040000
000033c8 09040001
000033cc 08000002
000033d0 08000003
000033d4 08040002
000033d8 08040003
000033dc 09000002
000033e0 09000003
000033e4 09040002
000033e8 09040003
000033ec 08000200
000033f0 08000201
000033f4 08040200
000033f8 08040201
000033fc 09000200
00003400 09000201
00003404 09040200
00003408 09040201
0000340c 08000202
00003410 08000203
00003414 08040202
00003418 08040203
0000341c 09000202
00003420 09000203
00003424 09040202
00003428 09040203
0000342c 00000000
00003430 00100000
00003434 00000100
00003438 00100100
0000343c 00000008
00003440 00100008
00003444 00000108
00003448 00100108
0000344c 00001000
00003450 00101000
00003454 00001100
00003458 00101100
0000345c 00001008
00003460 00101008
00003464 00001108
00003468 00101108
0000346c 04000000
00003470 04100000
00003474 04000100
00003478 04100100
0000347c 04000008

L416

DC.W #4, #513
DC.W #256, #512
DC.W #256, #513
DC.W #260, #512
DC.W #260, #513
DC.W #0, #514
DC.W #0, #515
DC.W #4, #514
DC.W #4, #515
DC.W #256, #514
DC.W #256, #515
DC.W #260, #514
DC.W #260, #515
DC.W #2048, #0
DC.W #2048, #1
DC.W #2052, #0
DC.W #2052, #1
DC.W #2304, #0
DC.W #2304, #1
DC.W #2308, #0
DC.W #2308, #1
DC.W #2048, #2
DC.W #2048, #3
DC.W #2052, #2
DC.W #2052, #3
DC.W #2304, #2
DC.W #2304, #3
DC.W #2308, #2
DC.W #2308, #3
DC.W #2048, #512
DC.W #2048, #513
DC.W #2052, #512
DC.W #2052, #513
DC.W #2304, #512
DC.W #2304, #513
DC.W #2308, #512
DC.W #2308, #513
DC.W #2048, #514
DC.W #2048, #515
DC.W #2052, #514
DC.W #2052, #515
DC.W #2304, #514
DC.W #2304, #515
DC.W #2308, #514
DC.W #2308, #515
DC.W #0, #0
DC.W #16, #0
DC.W #0, #256
DC.W #16, #256
DC.W #0, #8
DC.W #16, #8
DC.W #0, #264
DC.W #16, #264
DC.W #0, #4096
DC.W #16, #4096
DC.W #0, #4352
DC.W #16, #4352
DC.W #0, #4104
DC.W #16, #4104
DC.W #0, #4360
DC.W #16, #4360
DC.W #1024, #0
DC.W #1040, #0
DC.W #1024, #256
DC.W #1040, #256
DC.W #0, #4360
DC.W #16, #4360

00003480 04100008
00003484 04000108
00003488 04100108
0000348c 04001000
00003490 04101000
00003494 04001100
00003498 04001100
0000349c 04001008
000034a0 04101008
000034a4 04001108
000034a8 04101108
000034ac 00020000
000034b0 00120000
000034b4 00020100
000034b8 00120100
000034bc 00020008
000034c0 00120008
000034c4 00020108
000034c8 00120108
000034cc 00021000
000034d0 00121000
000034d4 00021100
000034d8 00121100
000034dc 00021008
000034e0 00121008
000034e4 00021108
000034e8 00121108
000034ec 04020000
000034f0 04120000
000034f4 04020100
000034f8 04120100
000034fc 04020008
00003500 04120008
00003504 04020108
00003508 04120108
0000350c 04021000
00003510 04121000
00003514 04021100
00003518 04121100
0000351c 04021008
00003520 04121008
00003524 04021108
00003528 04121108
0000352c 00000000
00003530 10000000
00003534 00010000
00003538 10010000
0000353c 00000004
00003540 10000004
00003544 00010004
00003548 10010004
0000354c 20000000
00003550 30000000
00003554 20010000
00003558 30010000
0000355c 20000004
00003560 30000004
00003564 20010004
00003568 30010004
0000356c 00100000
00003570 10100000
00003574 00110000
00003578 10110000
0000357c 00100004
00003580 10100004
00003584 00110004

L417

DC.W #1040, #8
DC.W #1024, #264
DC.W #1040, #264
DC.W #1024, #4096
DC.W #1040, #4096
DC.W #1024, #4352
DC.W #1040, #4352
DC.W #1024, #4104
DC.W #1040, #4104
DC.W #1024, #4360
DC.W #1040, #4360
DC.W #2, #0
DC.W #18, #0
DC.W #2, #256
DC.W #18, #256
DC.W #2, #8
DC.W #18, #8
DC.W #2, #264
DC.W #18, #264
DC.W #2, #4096
DC.W #18, #4096
DC.W #2, #4352
DC.W #18, #4352
DC.W #2, #4104
DC.W #18, #4104
DC.W #2, #4360
DC.W #18, #4360
DC.W #1026, #0
DC.W #1042, #0
DC.W #1026, #256
DC.W #1042, #256
DC.W #1026, #8
DC.W #1042, #8
DC.W #1026, #264
DC.W #1042, #264
DC.W #1026, #4096
DC.W #1042, #4096
DC.W #1026, #4352
DC.W #1042, #4352
DC.W #1026, #4104
DC.W #1042, #4104
DC.W #1026, #4360
DC.W #1042, #4360
DC.W #0, #0
DC.W #4096, #0
DC.W #1, #0
DC.W #4097, #0
DC.W #0, #4
DC.W #4096, #4
DC.W #1, #4
DC.W #4097, #4
DC.W #8192, #0
DC.W #12288, #0
DC.W #8193, #0
DC.W #12289, #0
DC.W #8192, #4
DC.W #12288, #4
DC.W #8193, #4
DC.W #12289, #4
DC.W #16, #0
DC.W #4112, #0
DC.W #17, #0
DC.W #4113, #0
DC.W #16, #4
DC.W #4112, #4
DC.W #17, #4

00003588 10110004
0000358c 20100000
00003590 30100000
00003594 20110000
00003598 30110000
0000359c 20100004
000035a0 30100004
000035a4 20110004
000035a8 30110004
000035ac 00001000
000035b0 10001000
000035b4 00011000
000035b8 10011000
000035bc 00001004
000035c0 10001004
000035c4 00011004
000035c8 10011004
000035cc 20001000
000035d0 30001000
000035d4 20011000
000035d8 30011000
000035dc 20001004
000035e0 30001004
000035e4 20011004
000035e8 30011004
000035ec 00101000
000035f0 10101000
000035f4 00111000
000035f8 10111000
000035fc 00101004
00003600 10101004
00003604 00111004
00003608 10111004
0000360c 20101000
00003610 30101000
00003614 20111000
00003618 30111000
0000361c 20101004
00003620 30101004
00003624 20111004
00003628 30111004
0000362c 00000000
00003630 08000000
00003634 00000008
00003638 08000008
0000363c 00000400
00003640 08000400
00003644 00000408
00003648 08000408
0000364c 00020000
00003650 08020000
00003654 00020008
00003658 08020008
0000365c 00020400
00003660 08020400
00003664 00020408
00003668 08020408
0000366c 00000001
00003670 08000001
00003674 00000009
00003678 08000009
0000367c 00000401
00003680 08000401
00003684 00000409
00003688 08000409
0000368c 00020001

L418

DC.W #4113,#4
DC.W #8208,#0
DC.W #12304,#0
DC.W #8209,#0
DC.W #12305,#0
DC.W #8208,#4
DC.W #12304,#4
DC.W #8209,#4
DC.W #12305,#4
DC.W #0,#4096
DC.W #4096,#4096
DC.W #1,#4096
DC.W #4097,#4096
DC.W #0,#4100
DC.W #4096,#4100
DC.W #1,#4100
DC.W #4097,#4100
DC.W #8192,#4096
DC.W #12288,#4096
DC.W #8193,#4096
DC.W #12289,#4096
DC.W #8192,#4100
DC.W #12288,#4100
DC.W #8193,#4100
DC.W #12289,#4100
DC.W #16,#4096
DC.W #4112,#4096
DC.W #17,#4096
DC.W #4113,#4096
DC.W #16,#4100
DC.W #4112,#4100
DC.W #17,#4100
DC.W #4113,#4100
DC.W #8208,#4096
DC.W #12304,#4096
DC.W #8209,#4096
DC.W #12305,#4096
DC.W #8208,#4100
DC.W #12304,#4100
DC.W #8209,#4100
DC.W #12305,#4100
DC.W #0,#0
DC.W #2048,#0
DC.W #0,#8
DC.W #2048,#8
DC.W #0,#1024
DC.W #2048,#1024
DC.W #0,#1032
DC.W #2048,#1032
DC.W #2,#0
DC.W #2050,#0
DC.W #2,#8
DC.W #2050,#8
DC.W #2,#1024
DC.W #2050,#1024
DC.W #2,#1032
DC.W #2050,#1032
DC.W #0,#1
DC.W #2048,#1
DC.W #0,#9
DC.W #2048,#9
DC.W #0,#1025
DC.W #2048,#1025
DC.W #0,#1033
DC.W #2048,#1033
DC.W #2,#1

00003690 08020001
00003694 00020009
00003698 08020009
0000369c 00020401
000036a0 08020401
000036a4 00020409
000036a8 08020409
000036ac 02000000
000036b0 0a000000
000036b4 02000008
000036b8 0a000008
000036bc 02000400
000036c0 0a000400
000036c4 02000408
000036c8 0a000408
000036cc 02020000
000036d0 0a020000
000036d4 02020008
000036d8 0a020008
000036dc 02020400
000036e0 0a020400
000036e4 02020408
000036e8 0a020408
000036ec 02000001
000036f0 0a000001
000036f4 02000009
000036f8 0a000009
000036fc 02000401
00003700 0a000401
00003704 02000409
00003708 0a000409
0000370c 02020001
00003710 0a020001
00003714 02020009
00003718 0a020009
0000371c 02020401
00003720 0a020401
00003724 02020409
00003728 0a020409
0000372c 00000000
00003730 00000100
00003734 00080000
00003738 00080100
0000373c 01000000
00003740 01000100
00003744 01080000
00003748 01080100
0000374c 00000010
00003750 00000110
00003754 00080010
00003758 00080110
0000375c 01000010
00003760 01000110
00003764 01080010
00003768 01080110
0000376c 00200000
00003770 00200100
00003774 00280000
00003778 00280100
0000377c 01200000
00003780 01200100
00003784 01280000
00003788 01280100
0000378c 00200010
00003790 00200110
00003794 00280010

L419

DC.W #2050,#1
DC.W #2,#9
DC.W #2050,#9
DC.W #2,#1025
DC.W #2050,#1025
DC.W #2,#1033
DC.W #2050,#1033
DC.W #512,#0
DC.W #2560,#0
DC.W #512,#8
DC.W #2560,#8
DC.W #512,#1024
DC.W #2560,#1024
DC.W #512,#1032
DC.W #2560,#1032
DC.W #514,#0
DC.W #2562,#0
DC.W #514,#8
DC.W #2562,#8
DC.W #514,#1024
DC.W #2562,#1024
DC.W #514,#1032
DC.W #2562,#1032
DC.W #512,#1
DC.W #2560,#1
DC.W #512,#9
DC.W #2560,#9
DC.W #512,#1025
DC.W #2560,#1025
DC.W #512,#1033
DC.W #2560,#1033
DC.W #514,#1
DC.W #2562,#1
DC.W #514,#9
DC.W #2562,#9
DC.W #514,#1025
DC.W #2562,#1025
DC.W #514,#1033
DC.W #2562,#1033
DC.W #0,#0
DC.W #0,#256
DC.W #8,#0
DC.W #8,#256
DC.W #256,#0
DC.W #256,#256
DC.W #264,#0
DC.W #264,#256
DC.W #0,#16
DC.W #0,#272
DC.W #8,#16
DC.W #8,#272
DC.W #256,#16
DC.W #256,#272
DC.W #264,#16
DC.W #264,#272
DC.W #32,#0
DC.W #32,#256
DC.W #40,#0
DC.W #40,#256
DC.W #288,#0
DC.W #288,#256
DC.W #296,#0
DC.W #296,#256
DC.W #32,#16
DC.W #32,#272
DC.W #40,#16

00003798 00280110
0000379c 01200010
000037a0 01200110
000037a4 01280010
000037a8 01280110
000037ac 00000200
000037b0 00000300
000037b4 00080200
000037b8 00080300
000037bc 01000200
000037c0 01000300
000037c4 01080200
000037c8 01080300
000037cc 00000210
000037d0 00000310
000037d4 00080210
000037d8 00080310
000037dc 01000210
000037e0 01000310
000037e4 01080210
000037e8 01080310
000037ec 00200200
000037f0 00200300
000037f4 00280200
000037f8 00280300
000037fc 01200200
00003800 01200300
00003804 01280200
00003808 01280300
0000380c 00200210
00003810 00200310
00003814 00280210
00003818 00280310
0000381c 01200210
00003820 01200310
00003824 01280210
00003828 01280310
0000382c 00000000
00003830 04000000
00003834 00040000
00003838 04040000
0000383c 00000002
00003840 04000002
00003844 00040002
00003848 04040002
0000384c 00002000
00003850 04002000
00003854 00042000
00003858 04042000
0000385c 00002002
00003860 04002002
00003864 00042002
00003868 04042002
0000386c 00000002
00003870 04000002
00003874 00040002
00003878 04040002
0000387c 00000022
00003880 04000022
00003884 00040022
00003888 04040022
0000388c 00002020
00003890 04002020
00003894 00042020
00003898 04042020
0000389c 00002022

L420

DC.W #40,#272
DC.W #288,#16
DC.W #288,#272
DC.W #296,#16
DC.W #296,#272
DC.W #0,#512
DC.W #0,#768
DC.W #8,#512
DC.W #8,#768
DC.W #256,#512
DC.W #256,#768
DC.W #264,#512
DC.W #264,#768
DC.W #0,#528
DC.W #0,#784
DC.W #8,#528
DC.W #8,#784
DC.W #256,#528
DC.W #256,#784
DC.W #264,#528
DC.W #264,#784
DC.W #32,#512
DC.W #32,#768
DC.W #40,#512
DC.W #40,#768
DC.W #288,#512
DC.W #288,#768
DC.W #296,#512
DC.W #296,#768
DC.W #32,#528
DC.W #32,#784
DC.W #40,#528
DC.W #40,#784
DC.W #288,#528
DC.W #288,#784
DC.W #296,#528
DC.W #296,#784
DC.W #0,#0
DC.W #1024,#0
DC.W #4,#0
DC.W #1028,#0
DC.W #0,#2
DC.W #1024,#2
DC.W #4,#2
DC.W #1028,#2
DC.W #0,#8192
DC.W #1024,#8192
DC.W #4,#8192
DC.W #1028,#8192
DC.W #0,#8194
DC.W #1024,#8194
DC.W #4,#8194
DC.W #1028,#8194
DC.W #0,#32
DC.W #1024,#32
DC.W #4,#32
DC.W #1028,#32
DC.W #0,#34
DC.W #1024,#34
DC.W #4,#34
DC.W #1028,#34
DC.W #0,#8224
DC.W #1024,#8224
DC.W #4,#8224
DC.W #1028,#8224
DC.W #0,#8226

000038a0 04002022
000038a4 00042022
000038a8 04042022
000038ac 00000800
000038b0 04000800
000038b4 00040800
000038b8 04040800
000038bc 00000802
000038c0 04000802
000038c4 00040802
000038c8 04040802
000038cc 00002800
000038d0 04002800
000038d4 00042800
000038d8 04042800
000038dc 00002802
000038e0 04002802
000038e4 00042802
000038e8 04042802
000038ec 00000820
000038f0 04000820
000038f4 00040820
000038f8 04040820
000038fc 00000822
00003900 04000822
00003904 00040822
00003908 04040822
0000390c 00002820
00003910 04002820
00003914 00042820
00003918 04042820
0000391c 00002822
00003920 04002822
00003924 00042822
00003928 04042822
0000392c 4e560000
00003930 41ec001c
00003934 4e5e
00003936 4e75
;-----
00003938 4e560000
0000393c 2f0a
0000393e 246e0008
00003942 4240
00003944 4241
00003946 3240
00003948 1231a800
0000394c 41faf6de
00003950 13b01000a800
00003956 5240
00003958 0c400007
0000395c 63e8
0000395e 246efffc
00003962 4e5e
00003964 4e75
;-----
00003966 4e560000
0000396a 226e0008
0000396e 4241
00003970 4242
00003972 10311000
00003976 1400
00003978 41faf6b2
0000397c b0302000
00003980 6706
00003982 4240

L421

L422

L423

L424

DC.W #1024,#8226
DC.W #4,#8226
DC.W #1028,#8226
DC.W #0,#2048
DC.W #1024,#2048
DC.W #4,#2048
DC.W #1028,#2048
DC.W #0,#2050
DC.W #1024,#2050
DC.W #4,#2050
DC.W #1028,#2050
DC.W #0,#10240
DC.W #1024,#10240
DC.W #4,#10240
DC.W #1028,#10240
DC.W #0,#10242
DC.W #1024,#10242
DC.W #4,#10242
DC.W #1028,#10242
DC.W #0,#2080
DC.W #1024,#2080
DC.W #4,#2080
DC.W #1028,#2080
DC.W #0,#2082
DC.W #1024,#2082
DC.W #4,#2082
DC.W #1028,#2082
DC.W #0,#10272
DC.W #1024,#10272
DC.W #4,#10272
DC.W #1028,#10272
DC.W #0,#10274
DC.W #1024,#10274
DC.W #4,#10274
DC.W #1028,#10274
LINK A6,#0
LEA 28(A4),A0
UNLK A6
RTS

LINK A6,#0
MOVE.LA2,-(SP)
MOVEA.L 8(A6),A2
CLR.W D0
CLR.W D1
MOVEA.W D0,A1
MOVE.B0(A1,A2.L),D1
LEA L412,A0
MOVE.B0(A0,D1.W),0(A1,A2.L)
ADDQ.W#1,D0
CMPI.W#7,D0
BLS L422
MOVEA.L -4(A6),A2
UNLK A6
RTS

LINK A6,#0
MOVEA.L 8(A6),A1
CLR.W D1
CLR.W D2
MOVE.B0(A1,D1.W),D0
MOVE.BD0,D2
LEA L412,A0
CMP.B 0(A0,D2.W),D0
BEQ L425
CLR.W D0

des-check-key

des-check-parity

00003984	6000000c		BRA L426	00003a2e	4240	CLR.W D0
00003988	5241	L425	ADDQ.W#1, D1	00003a30	8a80	OR.L D0, D5
0000398a	0c410007		CMPI.W#7, D1	00003a32	4280	CLR.L D0
0000398e	63e2		BLS L424	00003a34	1018	MOVE.B(A0)+, D0
00003990	7001		MOVEQ #1, D0	00003a36	e140	ASL.W #8, D0
00003992	4e5e	L426	UNLK A6	00003a38	4840	SWAP D0
00003994	4e75		RTS	00003a3a	4240	CLR.W D0

00003996	4e560000	L427	LINK A6, #0	00003a3c	8a80	OR.L D0, D5
0000399a	2f04		MOVE.LD4, -(SP)	00003a40	4284	CLR.L D4
0000399c	2f03		MOVE.LD3, -(SP)	00003a42	1818	MOVE.B(A0)+, D4
0000399e	282e0008		MOVE.L8(A6), D4	00003a44	4280	CLR.L D0
000039a2	4243		CLR.W D3	00003a46	1018	MOVE.B(A0)+, D0
000039a4	48780008	L428	PEA \$0008.W	00003a48	e180	ASL.L #8, D0
000039a8	2f04		MOVE.LD4, -(SP)	00003a4a	8880	OR.L D0, D4
000039aa	3003		MOVE.WD3, D0	00003a44	4280	CLR.L D0
000039ac	48c0		EXT.L D0	00003a4c	1018	MOVE.B(A0)+, D0
000039ae	e780		ASL.L #3, D0	00003a4e	4840	SWAP D0
000039b0	41ec001e		LEA 30(A4), A0	00003a50	4240	CLR.W D0
000039b4	48700800		PEA 0(A0, D0.L)	00003a52	8880	OR.L D0, D4
000039b8	4e4fa2d7		TRAP #15	00003a54	1010	MOVE.B(A0), D0
000039bc		DC.W	sysTrapMemCmp	00003a56	e140	ASL.W #8, D0
000039bc	defc000c		ADDA.W#5c, SP	00003a58	4840	SWAP D0
000039c0	4a40		TST.W D0	00003a5a	4240	CLR.W D0
000039c2	6606		BNE L429	00003a5c	8880	OR.L D0, D4
000039c4	7001		MOVEQ #1, D0	00003a5e	2004	MOVE.LD4, D0
000039c6	6000000c		BRA L430	00003a60	e888	LSR.L #4, D0
000039ca	5243	L429	ADDQ.W#1, D3	00003a62	bb80	EOR.L D5, D0
000039cc	0c43000f		CMPI.W#5f, D3	00003a64	2400	MOVE.LD0, D2
000039d0	6fd2		BLE L428	00003a66	02820f0f0f0f	- ANDI.L#\$33340000, D2
000039d2	4240		CLR.W D0	00003a6c	b585	EOR.L D2, D5
000039d4	262efff8	L430	MOVE.L-8(A6), D3	00003a6e	2002	MOVE.LD2, D0
000039d8	282efffc		MOVE.L-4(A6), D4	00003a70	e980	ASL.L #4, D0
000039dc	4e5e		UNLK A6	00003a72	b184	EOR.L D0, D4
000039de	4e75		RTS	00003a74	2005	MOVE.LD5, D0

000039e0	4e56fff8	L431	LINK A6, #-8	00003a76	e540	ASL.W #2, D0
000039e4	48e71f30		MOVEM.L D3-D7/A2/A3, -(SP)	00003a78	4840	SWAP D0
000039e8	246e0008		MOVEA.L 8(A6), A2	00003a7a	4240	CLR.W D0
000039ec	6100ff3e		BSR L421	00003a7c	bb80	EOR.L D5, D0
000039f0	4a50		TST.W(A0)	00003a7e	2400	MOVE.LD0, D2
000039f2	6722		BEQ L433	00003a80	0282cccc0000	ANDI.L#\$33340000, D2
000039f4	2f0a		MOVE.LA2, -(SP)	00003a86	2205	MOVE.LD5, D1
000039f6	6100ff6e		BSR L423	00003a88	b581	EOR.L D2, D1
000039fa	584f		ADDQ.W#4, SP	00003a8a	2002	MOVE.LD2, D0
000039fc	4a40		TST.W D0	00003a8c	4240	CLR.W D0
000039fe	6606		BNE L432	00003a8e	4840	SWAP D0
00003a00	70ff		MOVEQ #-1, D0	00003a90	e448	LSR.W #2, D0
00003a02	6000028e		BRA L437	00003a92	2a01	MOVE.LD1, D5
00003a06	2f0a	L432	MOVE.LA2, -(SP)	00003a94	b185	EOR.L D0, D5
00003a08	6100ff8c		BSR L427	00003a96	2004	MOVE.LD4, D0
00003a0c	4a40		TST.W D0	00003a98	e540	ASL.W #2, D0
00003a0e	6706		BEQ L433	00003a9a	4840	SWAP D0
00003a10	70fe		MOVEQ #-2, D0	00003a9c	4240	CLR.W D0
00003a12	6000027e		BRA L437	00003a9e	b980	EOR.L D4, D0
00003a16	266e000c	L433	MOVEA.L 12(A6), A3	00003aa0	2400	MOVE.LD0, D2
00003a1a	4285		CLR.L D5	00003aa2	0282cccc0000	ANDI.L#\$33340000, D2
00003a1c	1a1a		MOVE.B(A2)+, D5	00003aa8	2204	MOVE.LD4, D1
00003a1e	204a		MOVEA.L A2, A0	00003aaa	b581	EOR.L D2, D1
00003a20	4280		CLR.L D0	00003aac	2002	MOVE.LD2, D0
00003a22	1018		MOVE.B(A0)+, D0	00003aae	4240	CLR.W D0
00003a24	e180		ASL.L #8, D0	00003ab0	4840	SWAP D0
00003a26	8a80		OR.L D0, D5	00003ab2	e448	LSR.W #2, D0
00003a28	4280		CLR.L D0	00003ab4	2801	MOVE.LD1, D4
00003a2a	1018		MOVE.B(A0)+, D0	00003ab6	b184	EOR.L D0, D4
00003a2c	4840		SWAP D0	00003ab8	2004	MOVE.LD4, D0
				00003aba	e288	LSR.L #1, D0
				00003abc	bb80	EOR.L D5, D0

des-is-weak-key

73496

73410

7341C

des-check-key

- check-pend

- des-is-weak-key

73416

00003abe	2400	MOVE.LD0,D2
00003ac0	028255555555	ANDI.L#\$55555555,D2
00003ac6	b585	EOR.L D2,D5
00003ac8	2002	MOVE.LD2,D0
00003aca	d080	ADD.L D0,D0
00003acc	b184	EOR.L D0,D4
00003ace	2005	MOVE.LD5,D0
00003ad0	e088	LSR.L #8,D0
00003ad2	b980	EOR.L D4,D0
00003ad4	2400	MOVE.LD0,D2
00003ad6	028200ff00ff	ANDI.L#\$ff00ff,D2
00003adc	b584	EOR.L D2,D4
00003ade	2002	MOVE.LD2,D0
00003ae0	e180	ASL.L #8,D0
00003ae2	b185	EOR.L D0,D5
00003ae4	2004	MOVE.LD4,D0
00003ae6	e288	LSR.L #1,D0
00003ae8	bb80	EOR.L D5,D0
00003aea	2400	MOVE.LD0,D2
00003aec	028255555555	ANDI.L#\$55555555,D2
00003af2	b585	EOR.L D2,D5
00003af4	2002	MOVE.LD2,D0
00003af6	d080	ADD.L D0,D0
00003af8	b184	EOR.L D0,D4
00003afa	2204	MOVE.LD4,D1
00003afc	0281000000ff	ANDI.L#\$ff,D1
00003b02	4841	SWAP D1
00003b04	4241	CLR.W D1
00003b06	2004	MOVE.LD4,D0
00003b08	02800000ff00	ANDI.L#\$ff00,D0
00003b0e	8280	OR.L D0,D1
00003b10	2004	MOVE.LD4,D0
00003b12	028000ff0000	ANDI.L#\$ff0000,D0
00003b18	4240	CLR.W D0
00003b1a	4840	SWAP D0
00003b1c	8280	OR.L D0,D1
00003b1e	2005	MOVE.LD5,D0
00003b20	0280f0000000	ANDI.L#\$-f0000000,D0
00003b26	e888	LSR.L #4,D0
00003b28	2801	MOVE.LD1,D4
00003b2a	8680	OR.L D0,D4
00003b2c	02850fffffff	ANDI.L#\$ffffff,D5
00003b32	4246	CLR.W D6
00003b34	43faf6f6	LEA L414,A1
00003b38	2d49fffc	MOVE.LA1,-4(A6)
00003b3c	43faf9ee	LEA L417,A1
00003b40	2d49fff8	MOVE.LA1,-8(A6)
00003b44	45fafae6	LEA L418,A2
00003b48	3046	MOVEA.W D6,A0
00003b4a	43ec009e	LEA 158(A4),A1
00003b4e	d1c8	ADDA.LA0,A0
00003b50	4a718800	TST.W 0(A1,A0.L)
00003b54	6716	BEQ L435
00003b56	2205	MOVE.LD5,D1
00003b58	e489	LSR.L #2,D1
00003b5a	2005	MOVE.LD5,D0
00003b5c	7e1a	MOVEQ #26,D7
00003b5e	efa0	ASL.L D7,D0
00003b60	2a01	MOVE.LD1,D5
00003b62	8a80	OR.L D0,D5
00003b64	2204	MOVE.LD4,D1
00003b66	e489	LSR.L #2,D1
00003b68	60000014	BRA L436
00003b6c	2205	MOVE.LD5,D1
00003b6e	e289	LSR.L #1,D1
00003b70	2005	MOVE.LD5,D0

734P

73550

73564

73570 L434

L435

- 0x72c5c
- 0x72P5c

00003b72	7e1b	
00003b74	efa0	
00003b76	2a01	
00003b78	8a80	
00003b7a	2204	
00003b7c	e289	
00003b7e	2004	
00003b80	efa0	
00003b82	2801	
00003b84	8880	
00003b86	02850fffffff	
00003b8c	02840fffffff	
00003b92	743f	
00003b94	c485	
00003b96	41faf594	
00003b9a	e582	
00003b9c	2205	
00003b9e	ec89	
00003ba0	7e03	
00003ba2	c287	
00003ba4	2005	
00003ba6	ee88	
00003ba8	7e3c	
00003baa	c087	
00003bac	8280	
00003bae	e581	
00003bb0	26302800	
00003bb4	22e6ffffc	
00003bb8	86b11800	
00003bbc	2205	
00003bbe	7e0d	
00003bc0	eea9	
00003bc2	7e0f	
00003bc4	c287	
00003bc6	2005	
00003bc8	7e0e	
00003bca	eea8	
00003bcc	7e30	
00003bce	c087	
00003bd0	8280	
00003bd2	41faf758	
00003bd6	e581	
00003bd8	86b01800	
00003bdc	2205	
00003bde	4241	
00003be0	4841	
00003be2	e849	
00003be4	7e01	
00003be6	c287	
00003be8	2005	
00003bea	4240	
00003bec	4840	
00003bee	ea48	
00003bf0	7e06	
00003bf2	c087	
00003bf4	8280	
00003bf6	2005	
00003bf8	4240	
00003bfa	4840	
00003bfc	ec48	
00003bfe	7e38	
00003c00	c087	
00003c02	8280	
00003c04	41faf826	
00003c08	e581	
00003c0a	86b01800	

L436

735BC

MOVEQ #27,D7
ASL.L D7,D0
MOVE.LD1,D5
OR.L D0,D5
MOVE.LD4,D1
LSR.L #1,D1
MOVE.LD4,D0
ASL.L D7,D0
MOVE.LD1,D4
OR.L D0,D4
ANDI.L#\$ffffff,D5
ANDI.L#\$ffffff,D4
MOVEQ #63,D2
AND.L D5,D2
LEA L413,A0
ASL.L #2,D2
MOVE.LD5,D1
LSR.L #6,D1
MOVEQ #3,D7
AND.L D7,D1
MOVE.LD5,D0
LSR.L #7,D0
MOVEQ #60,D7
AND.L D7,D0
OR.L D0,D1
ASL.L #2,D1
MOVE.L0(A0,D2.L),D3
MOVEA.L -4(A6),A1
OR.L 0(A1,D1.L),D3
MOVE.LD5,D1
MOVEQ #13,D7
LSR.L D7,D1
MOVEQ #15,D7
AND.L D7,D1
MOVE.LD5,D0
MOVEQ #14,D7
LSR.L D7,D0
MOVEQ #48,D7
AND.L D7,D0
OR.L D0,D1
LEA L415,A0
ASL.L #2,D1
OR.L 0(A0,D1.L),D3
MOVE.LD5,D1
CLR.W D1
SWAP D1
LSR.W #4,D1
MOVEQ #1,D7
AND.L D7,D1
MOVE.LD5,D0
CLR.W D0
SWAP D0
LSR.W #5,D0
MOVEQ #6,D7
AND.L D7,D0
OR.L D0,D1
MOVE.LD5,D0
CLR.W D0
SWAP D0
LSR.W #6,D0
MOVEQ #56,D7
AND.L D7,D0
OR.L D0,D1
LEA L416,A0
ASL.L #2,D1
OR.L 0(A0,D1.L),D3

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00003c0e 743f MOVEQ #63,D2
00003c10 c484 AND.L D4,D2
00003c12 e582 ASL.L #2,D2
00003c14 2204 MOVE.LD4,D1
00003c16 ee89 LSR.L #7,D1
00003c18 7e03 MOVEQ #3,D7
00003c1a c287 AND.L D7,D1
00003c1c 2004 MOVE.LD4,D0
00003c1e e088 LSR.L #8,D0
00003c20 7e3c MOVEQ #60,D7
00003c22 c087 AND.L D7,D0
00003c24 8280 OR.L D0,D1
00003c26 e581 ASL.L #2,D1
00003c28 226efff8 MOVEA.L -8(A6),A1
00003c2c 24312800 MOVE.L0(A1,D2.L),D2
00003c30 84b21800 OR.L 0(A2,D1.L),D2
00003c34 2004 MOVE.LD4,D0
00003c36 7e0d MOVEQ #13,D7
00003c38 eea8 LSR.L D7,D0
00003c3a 41fafaf0 LEA L419,A0
00003c3e 0280000000fc ANDI.L#5fc,D0
00003c44 84b00800 OR.L 0(A0,D0.L),D2
00003c48 2204 MOVE.LD4,D1
00003c4a 4241 CLR.W D1
00003c4c 4841 SWAP D1
00003c4e ea49 LSR.W #5,D1
00003c50 7e0f MOVEQ #15,D7
00003c52 c287 AND.L D7,D1
00003c54 2004 MOVE.LD4,D0
00003c56 4240 CLR.W D0
00003c58 4840 SWAP D0
00003c5a ec48 LSR.W #6,D0
00003c5c 7e30 MOVEQ #48,D7
00003c5e c087 AND.L D7,D0
00003c60 8280 OR.L D0,D1
00003c62 41fafbc8 LEA L420,A0
00003c66 e581 ASL.L #2,D1
00003c68 84b01800 OR.L 0(A0,D1.L),D2
00003c6c 2002 MOVE.LD2,D0
00003c6e 4840 SWAP D0
00003c70 4240 CLR.W D0
00003c72 8043 OR.W D3,D0
00003c74 e598 ROL.L #2,D0
00003c76 26c0 MOVE.LD0,(A3)+
00003c78 4243 CLR.W D3
00003c7a 4843 SWAP D3
00003c7c 2002 MOVE.LD2,D0
00003c7e 4240 CLR.W D0
00003c80 8083 OR.L D3,D0
00003c82 ed98 ROL.L #6,D0
00003c84 26c0 MOVE.LD0,(A3)+
00003c86 5246 ADDQ.W#1,D6
00003c88 0c46000f CMPI.W#5f,D6
00003c8c 6f00feba BLE L434
00003c90 4240 CLR.W D0
00003c92 4cee0cf8ffdc L437 MOVEM.L -36(A6),D3-D7/A2/A3
00003c98 4e5e UNLK A6
00003c9a 4e75 RTS
;
00003c9c 4e560000 L438 LINK A6,#0
00003ca0 2f2e000c MOVE.L12(A6),-(SP)
00003ca4 2f2e0008 MOVE.L8(A6),-(SP)
00003ca8 6100fd36 BSR L431
00003cac 4e5e UNLK A6
00003cae 4e75 RTS
;

```

des-sea-key

```

00003cb0 6c696264657320762033 DC.B 'libdes v 3.24 - 20-
Apr-1996 - eay'
00003cba 2e3234202d2032302d41
00003cc4 70722d31393936202d20
00003cce 656179
00003cd1 00 DC.B #0
00003cd2 4445532070617274206f DC.B 'DES part of SSLeay
0.8.1 19-Jul-1997'
00003cdc 662053534c6561792030
00003ce6 2e382e312031392d4a75
00003cf0 6c2d31393937
00003cf6 00 DC.B #0
00003cf7 70747200 L439 DC.W #28788,#29184
00003cfb 63 L440 DC.B #99
00003cfc 69736300 L441 DC.W #26995,#25344
00003d00 3400696e L441 DC.W #13312,#26990
00003d04 7400 DC.W #29696
00003d06 6c6f6e67 L442 DC.W #27759,#28263
00003d0a 00 DC.B #0
00003d0b 6465732825732c25732c L443 DC.B 'des(%s,%s,%s,%s)'
00003d15 25732c257329
00003d1b 00 DC.B #0
00003d1c 4e560000 LINK A6,#0
00003d20 41ec00c8 LEA 200(A4),A0
00003d24 4a50 TST.W (A0)
00003d26 6728 BEQ L444
00003d28 4250 CLR.W (A0)
00003d2a 43faffda LEA L442,A1
00003d2e 2f09 MOVE.LA1,-(SP)
00003d30 43faffce LEA L441,A1
00003d34 2f09 MOVE.LA1,-(SP)
00003d36 43faffc3 LEA L440,A1
00003d3a 2f09 MOVE.LA1,-(SP)
00003d3c 43faffb9 LEA L439,A1
00003d40 2f09 MOVE.LA1,-(SP)
00003d42 43faffc7 LEA L443,A1
00003d46 2f09 MOVE.LA1,-(SP)
00003d48 486c0338 PEA 824(A4)
00003d4c 4e4fa2de TRAP #15
00003d50 L444 DC.W sysTrapStrPrintF
00003d54 41ec0338 L444 LEA 824(A4),A0
00003d56 4e5e UNLK A6
00003d58 4e75 RTS
;-----
00003d58 4e56fff8 L445 LINK A6,#-8
00003d5c 2f0a MOVE.LA2,-(SP)
00003d5e 206e0008 MOVEA.L 8(A6),A0
00003d62 246e000c MOVEA.L 12(A6),A2
00003d66 4281 CLR.L D1
00003d68 1218 MOVE.B(A0)+,D1
00003d6a 4280 CLR.L D0
00003d6c 1018 MOVE.B(A0)+,D0
00003d6e e180 ASL.L #8,D0
00003d70 8280 OR.L D0,D1
00003d72 4280 CLR.L D0
00003d74 1018 MOVE.B(A0)+,D0
00003d76 4840 SWAP D0
00003d78 4240 CLR.W D0
00003d7a 8280 OR.L D0,D1
00003d7c 4280 CLR.L D0
00003d7e 1018 MOVE.B(A0)+,D0
00003d80 e140 ASL.W #8,D0
00003d82 4840 SWAP D0
00003d84 4240 CLR.W D0
00003d86 8280 OR.L D0,D1
00003d88 2d41fff8 MOVE.LD1,-8(A6)

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des-eb-encrypt


```

00003d8c 4281 CLR.L D1
00003d8e 1218 MOVE.B(A0)+,D1
00003d90 4280 CLR.L D0
00003d92 1018 MOVE.B(A0)+,D0
00003d94 e180 ASL.L #8,D0
00003d96 8280 OR.L D0,D1
00003d98 4280 CLR.L D0
00003d9a 1018 MOVE.B(A0)+,D0
00003d9c 4840 SWAP D0
00003d9e 4240 CLR.W D0
00003da0 8280 OR.L D0,D1
00003da2 1010 MOVE.B(A0),D0
00003da4 e140 ASL.W #8,D0
00003da6 4840 SWAP D0
00003da8 4240 CLR.W D0
00003daa 8280 OR.L D0,D1
00003dac 2d41fffc MOVE.LD1,-4(A6)
00003db0 3f2e0014 MOVE.W20(A6),-(SP)
00003db4 2f2e0010 MOVE.L16(A6),-(SP)
00003db8 486efff8 FEA -8(A6)
00003dbc 6100094e BSR L446 ←
00003dc0 222efff8 MOVE.L-8(A6),D1
00003dc4 14c1 MOVE.BD1,(A2)+
00003dc6 2001 MOVE.LD1,D0
00003dc8 e088 LSR.L #8,D0
00003dca 14c0 MOVE.BD0,(A2)+
00003dcc 2001 MOVE.LD1,D0
00003dce 4240 CLR.W D0
00003dd0 4840 SWAP D0
00003dd2 14c0 MOVE.BD0,(A2)+
00003dd4 2001 MOVE.LD1,D0
00003dd6 4240 CLR.W D0
00003dd8 4840 SWAP D0
00003dda e048 LSR.W #8,D0
00003ddc 14c0 MOVE.BD0,(A2)+
00003dde 222efffc MOVE.L-4(A6),D1
00003de2 14c1 MOVE.BD1,(A2)+
00003de4 2001 MOVE.LD1,D0
00003de6 e088 LSR.L #8,D0
00003de8 14c0 MOVE.BD0,(A2)+
00003dea 2001 MOVE.LD1,D0
00003dec 4240 CLR.W D0
00003dee 4840 SWAP D0
00003df0 14c0 MOVE.BD0,(A2)+
00003df2 2001 MOVE.LD1,D0
00003df4 4240 CLR.W D0
00003df6 4840 SWAP D0
00003df8 e048 LSR.W #8,D0
00003dfa 1480 MOVE.BD0,(A2)
00003dfc 42aefffc CLR.L -4(A6)
00003e00 42aefff8 CLR.L -8(A6)
00003e04 246efff4 MOVEA.L -12(A6),A2
00003e08 4e5e UNLK A6
00003e0a 4e75 RTS

```

```

-----
00003e0c 02080800 DC.W #520,#2048
00003e10 00080000 DC.W #8,#0
00003e14 02000002 DC.W #512,#2
00003e18 02080802 DC.W #520,#2050
00003e1c 02000000 DC.W #512,#0
00003e20 00080802 DC.W #8,#2050
00003e24 00080002 DC.W #8,#2
00003e28 02000002 DC.W #512,#2
00003e2c 00080802 DC.W #8,#2050
00003e30 02080800 DC.W #520,#2048
00003e34 02080000 DC.W #520,#0

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~~des-ecb-empt~~
des-ecb-empt

```

00003e38 00000802 DC.W #0,#2050
00003e3c 02000802 DC.W #512,#2050
00003e40 02000000 DC.W #512,#0
00003e44 00000000 DC.W #0,#0
00003e48 00080002 DC.W #8,#2
00003e4c 00080000 DC.W #8,#0
00003e50 00000002 DC.W #0,#2
00003e54 02000800 DC.W #512,#2048
00003e58 00080800 DC.W #8,#2048
00003e5c 02080802 DC.W #520,#2050
00003e60 02080000 DC.W #520,#0
00003e64 00000802 DC.W #0,#2050
00003e68 02000800 DC.W #512,#2048
00003e6c 00000002 DC.W #0,#2
00003e70 00000800 DC.W #0,#2048
00003e74 00080800 DC.W #8,#2048
00003e78 02080002 DC.W #520,#2
00003e7c 00000800 DC.W #0,#2048
00003e80 02000802 DC.W #512,#2050
00003e84 02080002 DC.W #520,#2
00003e88 00000000 DC.W #0,#0
00003e8c 00000000 DC.W #0,#0
00003e90 02080802 DC.W #520,#2050
00003e94 02000800 DC.W #512,#2048
00003e98 00080002 DC.W #8,#2
00003e9c 02080800 DC.W #520,#2048
00003ea0 00080000 DC.W #8,#0
00003ea4 00000802 DC.W #0,#2050
00003ea8 02000800 DC.W #512,#2048
00003eac 02080002 DC.W #520,#2
00003eb0 00000800 DC.W #0,#2048
00003eb4 00080800 DC.W #8,#2048
00003eb8 02000002 DC.W #512,#2
00003ebc 00080802 DC.W #8,#2050
00003ec0 00000002 DC.W #0,#2
00003ec4 02000002 DC.W #512,#2
00003ec8 02080000 DC.W #520,#0
00003ecc 02080802 DC.W #520,#2050
00003ed0 00080800 DC.W #8,#2048
00003ed4 02080000 DC.W #520,#0
00003ed8 02000802 DC.W #512,#2050
00003edc 02000000 DC.W #512,#0
00003ee0 00000802 DC.W #0,#2050
00003ee4 00080002 DC.W #8,#2
00003ee8 00000000 DC.W #0,#0
00003eec 00080000 DC.W #8,#0
00003ef0 02000000 DC.W #512,#0
00003ef4 02000802 DC.W #512,#2050
00003ef8 02080800 DC.W #520,#2048
00003efc 00000002 DC.W #0,#2
00003f00 02080002 DC.W #520,#2
00003f04 00000800 DC.W #0,#2048
00003f08 00080802 DC.W #8,#2050
00003f0c 40108010 DC.W #16400,#-32752
00003f10 00000000 DC.W #0,#0
00003f14 00108000 DC.W #16,#-32768
00003f18 40100000 DC.W #16400,#0
00003f1c 40000010 DC.W #16384,#16
00003f20 00008010 DC.W #0,#-32752
00003f24 40008000 DC.W #16384,#-32768
00003f28 00108000 DC.W #16,#-32768
00003f2c 00008000 DC.W #0,#-32768
00003f30 40100010 DC.W #16400,#16
00003f34 00000010 DC.W #0,#16
00003f38 40008000 DC.W #16384,#-32768
00003f3c 00100010 DC.W #16,#16

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00003f40	40108000	DC.W	#16400, #-32768	00004048	04040001	DC.W	#1028, #1
00003f44	40100000	DC.W	#16400, #0	0000404c	00000000	DC.W	#0, #0
00003f48	00000010	DC.W	#0, #16	00004050	00040001	DC.W	#4, #1
00003f4c	00100000	DC.W	#16, #0	00004054	04040100	DC.W	#1028, #256
00003f50	40008010	DC.W	#16384, #-32752	00004058	00000100	DC.W	#0, #256
00003f54	40100010	DC.W	#16400, #16	0000405c	00000101	DC.W	#0, #257
00003f58	00008000	DC.W	#0, #-32768	00004060	04040101	DC.W	#1028, #257
00003f5c	00108010	DC.W	#16, #-32752	00004064	00040000	DC.W	#4, #0
00003f60	40000000	DC.W	#16384, #0	00004068	04000001	DC.W	#1024, #1
00003f64	00000000	DC.W	#0, #0	0000406c	04040001	DC.W	#1028, #1
00003f68	00100010	DC.W	#16, #16	00004070	04000100	DC.W	#1024, #256
00003f6c	40008010	DC.W	#16384, #-32752	00004074	00040101	DC.W	#4, #257
00003f70	00108010	DC.W	#16, #-32752	00004078	04040000	DC.W	#1028, #0
00003f74	40108000	DC.W	#16400, #-32768	0000407c	00040100	DC.W	#4, #256
00003f78	40000010	DC.W	#16384, #16	00004080	00000000	DC.W	#0, #0
00003f7c	40000000	DC.W	#16384, #0	00004084	04000000	DC.W	#1024, #0
00003f80	00100000	DC.W	#16, #0	00004088	00040101	DC.W	#4, #257
00003f84	00008010	DC.W	#0, #-32752	0000408c	04040100	DC.W	#1028, #256
00003f88	40108010	DC.W	#16400, #-32752	00004090	00000100	DC.W	#0, #256
00003f8c	00100010	DC.W	#16, #16	00004094	00000001	DC.W	#0, #1
00003f90	40108000	DC.W	#16400, #-32768	00004098	00040000	DC.W	#4, #0
00003f94	40008000	DC.W	#16384, #-32768	0000409c	00000101	DC.W	#0, #257
00003f98	00108010	DC.W	#16, #-32752	000040a0	00040001	DC.W	#4, #1
00003f9c	40108010	DC.W	#16400, #-32752	000040a4	04040000	DC.W	#1028, #0
00003fa0	00100010	DC.W	#16, #16	000040a8	04000101	DC.W	#1024, #257
00003fa4	40000010	DC.W	#16384, #16	000040ac	00000000	DC.W	#0, #0
00003fa8	00000000	DC.W	#0, #0	000040b0	04040100	DC.W	#1028, #256
00003fac	40000000	DC.W	#16384, #0	000040b4	00040100	DC.W	#4, #256
00003fb0	00008010	DC.W	#0, #-32752	000040b8	04040001	DC.W	#1028, #1
00003fb4	00100000	DC.W	#16, #0	000040bc	00040001	DC.W	#4, #1
00003fb8	40100010	DC.W	#16400, #16	000040c0	04000000	DC.W	#1024, #0
00003fbc	00008000	DC.W	#0, #-32768	000040c4	04040101	DC.W	#1028, #257
00003fc0	40000000	DC.W	#16384, #0	000040c8	00000001	DC.W	#0, #1
00003fc4	00108010	DC.W	#16, #-32752	000040cc	00040101	DC.W	#4, #257
00003fc8	40008010	DC.W	#16384, #-32752	000040d0	04000001	DC.W	#1024, #1
00003fcc	40108000	DC.W	#16400, #-32768	000040d4	04000000	DC.W	#1024, #0
00003fd0	00008000	DC.W	#0, #-32768	000040d8	04040101	DC.W	#1028, #257
00003fd4	00000000	DC.W	#0, #0	000040dc	00040000	DC.W	#4, #0
00003fd8	40000010	DC.W	#16384, #16	000040e0	04000100	DC.W	#1024, #256
00003fdc	00000010	DC.W	#0, #16	000040e4	04000101	DC.W	#1024, #257
00003fe0	40108010	DC.W	#16400, #-32752	000040e8	00040100	DC.W	#4, #256
00003fe4	00108000	DC.W	#16, #-32768	000040ec	04000100	DC.W	#1024, #256
00003fe8	40100000	DC.W	#16400, #0	000040f0	00000000	DC.W	#0, #0
00003fec	40100010	DC.W	#16400, #16	000040f4	04040001	DC.W	#1028, #1
00003ff0	00100000	DC.W	#16, #0	000040f8	00000101	DC.W	#0, #257
00003ff4	00008010	DC.W	#0, #-32752	000040fc	04000001	DC.W	#1024, #1
00003ff8	40008000	DC.W	#16384, #-32768	00004100	00040101	DC.W	#4, #257
00003ffc	40008010	DC.W	#16384, #-32752	00004104	00000100	DC.W	#0, #256
00004000	00000010	DC.W	#0, #16	00004108	04040000	DC.W	#1028, #0
00004004	40100000	DC.W	#16400, #0	0000410c	00040100	DC.W	#64, #4104
00004008	00108000	DC.W	#16, #-32768	00004110	10001000	DC.W	#4096, #4096
0000400c	04000001	DC.W	#1024, #1	00004114	00000000	DC.W	#0, #8
00004010	04040100	DC.W	#1028, #256	00004118	10401008	DC.W	#4160, #4104
00004014	00000100	DC.W	#0, #256	0000411c	00000000	DC.W	#0, #0
00004018	04000101	DC.W	#1024, #257	00004120	10400000	DC.W	#4160, #0
0000401c	00040001	DC.W	#4, #1	00004124	10001008	DC.W	#4096, #4104
00004020	04000000	DC.W	#1024, #0	00004128	04000000	DC.W	#64, #8
00004024	04000101	DC.W	#1024, #257	0000412c	10401000	DC.W	#4160, #4096
00004028	00040100	DC.W	#4, #256	00004130	10000000	DC.W	#4096, #8
0000402c	04000100	DC.W	#1024, #256	00004134	10000000	DC.W	#4096, #0
00004030	00040000	DC.W	#4, #0	00004138	00001008	DC.W	#0, #4104
00004034	04040000	DC.W	#1028, #0	0000413c	10000000	DC.W	#4096, #8
00004038	00000001	DC.W	#0, #1	00004140	00401008	DC.W	#64, #4104
0000403c	04040101	DC.W	#1028, #257	00004144	00400000	DC.W	#64, #0
00004040	00000101	DC.W	#0, #257	00004148	10000000	DC.W	#4096, #0
00004044	00000001	DC.W	#0, #1	0000414c	10400008	DC.W	#4160, #8

00004150 00401000
00004154 00001000
00004158 00000008
0000415c 00401000
00004160 10001008
00004164 10400000
00004168 00001000
0000416c 00001008
00004170 00000000
00004174 00400008
00004178 10401000
0000417c 10001000
00004180 10400008
00004184 10401008
00004188 00400000
0000418c 10400008
00004190 00001008
00004194 00400000
00004198 10000008
0000419c 00401000
000041a0 10001000
000041a4 00000008
000041a8 10400000
000041ac 10001008
000041b0 00000000
000041b4 00001000
000041b8 00400008
000041bc 00000000
000041c0 10400008
000041c4 10401000
000041c8 00001000
000041cc 10000000
000041d0 10401008
000041d4 00401008
000041d8 00400000
000041dc 10401008
000041e0 00000008
000041e4 10001000
000041e8 00401008
000041ec 00400008
000041f0 00401000
000041f4 10400000
000041f8 10001008
000041fc 00001008
00004200 10000000
00004204 10000008
00004208 10401000
0000420c 08000000
00004210 00010000
00004214 00000400
00004218 08010420
0000421c 08010020
00004220 08000400
00004224 00010420
00004228 08010000
0000422c 00010000
00004230 00000020
00004234 08000020
00004238 00010400
0000423c 08000420
00004240 08010020
00004244 08010400
00004248 00000000
0000424c 00010400
00004250 08000000
00004254 00010020

DC.W #64,#4096
DC.W #0,#4096
DC.W #0,#8
DC.W #64,#4096
DC.W #4096,#4104
DC.W #4160,#0
DC.W #0,#4096
DC.W #0,#4104
DC.W #0,#0
DC.W #64,#8
DC.W #4160,#4096
DC.W #4096,#4096
DC.W #4160,#8
DC.W #4160,#4104
DC.W #64,#0
DC.W #4160,#8
DC.W #0,#4104
DC.W #64,#0
DC.W #4096,#8
DC.W #64,#4096
DC.W #4096,#4096
DC.W #0,#8
DC.W #4160,#0
DC.W #4096,#4104
DC.W #0,#0
DC.W #0,#4096
DC.W #64,#8
DC.W #0,#0
DC.W #4160,#8
DC.W #4160,#4096
DC.W #0,#4096
DC.W #4096,#0
DC.W #4160,#4104
DC.W #64,#4104
DC.W #64,#0
DC.W #4160,#4104
DC.W #0,#8
DC.W #4096,#4096
DC.W #64,#4104
DC.W #64,#8
DC.W #64,#4096
DC.W #4160,#0
DC.W #4096,#4104
DC.W #0,#4104
DC.W #4096,#0
DC.W #4096,#8
DC.W #4160,#4096
DC.W #2048,#0
DC.W #1,#0
DC.W #0,#1024
DC.W #2049,#1056
DC.W #2049,#32
DC.W #2048,#1024
DC.W #1,#1056
DC.W #2049,#0
DC.W #1,#0
DC.W #0,#32
DC.W #2048,#32
DC.W #1,#1024
DC.W #2048,#1056
DC.W #2049,#32
DC.W #2049,#1024
DC.W #0,#0
DC.W #0,#8256
DC.W #32,#8192
DC.W #0,#8192
DC.W #-32768,#8256
DC.W #32,#0
DC.W #0,#8256
DC.W #-32736,#8256
DC.W #32,#8192
DC.W #-32768,#0
DC.W #-32768,#8192
DC.W #-32768,#64
DC.W #-32736,#0
DC.W #32,#8256
DC.W #32,#0
DC.W #-32768,#8256
DC.W #-32736,#64
DC.W #0,#0
DC.W #0,#8192

00004258 00000420
0000425c 08000400
00004260 00010420
00004264 00000000
00004268 08000020
0000426c 00000020
00004270 08000420
00004274 08010420
00004278 00010020
0000427c 08010000
00004280 00000400
00004284 00000420
00004288 08010400
0000428c 08010400
00004290 08000420
00004294 00010020
00004298 08010000
0000429c 00010000
000042a0 00000020
000042a4 08000020
000042a8 08000400
000042ac 08000000
000042b0 00010400
000042b4 08010420
000042b8 00000000
000042bc 00010420
000042c0 08000000
000042c4 00000400
000042c8 00010020
000042cc 08000420
000042d0 00000400
000042d4 00000000
000042d8 08010420
000042dc 08010020
000042e0 08010400
000042e4 00000420
000042e8 00010000
000042ec 00010400
000042f0 08010020
000042f4 08000400
000042f8 00000420
000042fc 00000020
00004300 00010420
00004304 08010000
00004308 08000020
0000430c 80000040
00004310 00200040
00004314 00000000
00004318 80202000
0000431c 00200040
00004320 00002000
00004324 80002040
00004328 00200000
0000432c 00002040
00004330 80202040
00004334 00202000
00004338 80000000
0000433c 80002000
00004340 80000040
00004344 80200000
00004348 00202040
0000434c 00200000
00004350 80002040
00004354 80200040
00004358 00000000
0000435c 00002000

DC.W #0,#1056
DC.W #2048,#1024
DC.W #1,#1056
DC.W #0,#0
DC.W #2048,#32
DC.W #0,#32
DC.W #2048,#1056
DC.W #2049,#1056
DC.W #1,#32
DC.W #2049,#0
DC.W #0,#1024
DC.W #0,#1056
DC.W #2049,#1024
DC.W #2049,#1024
DC.W #2048,#1056
DC.W #1,#32
DC.W #2049,#0
DC.W #2049,#0
DC.W #1,#0
DC.W #0,#32
DC.W #2048,#32
DC.W #2048,#1024
DC.W #0,#0
DC.W #1,#1056
DC.W #2048,#0
DC.W #0,#1024
DC.W #1,#32
DC.W #2048,#1056
DC.W #0,#1024
DC.W #0,#0
DC.W #2049,#1056
DC.W #2049,#32
DC.W #2049,#1024
DC.W #0,#1056
DC.W #1,#0
DC.W #1,#1024
DC.W #2049,#32
DC.W #2048,#1024
DC.W #0,#1056
DC.W #0,#32
DC.W #1,#1056
DC.W #2049,#0
DC.W #2048,#32
DC.W #-32768,#64
DC.W #32,#64
DC.W #0,#0
DC.W #-32736,#8192
DC.W #32,#64
DC.W #0,#8192
DC.W #-32768,#8256
DC.W #32,#0
DC.W #0,#8256
DC.W #-32736,#8256
DC.W #32,#8192
DC.W #-32768,#0
DC.W #-32768,#8192
DC.W #-32768,#64
DC.W #-32736,#0
DC.W #32,#8256
DC.W #32,#0
DC.W #-32768,#8256
DC.W #-32736,#64
DC.W #0,#0
DC.W #0,#8192

00004360 00000040
00004364 80202000
00004368 80200040
0000436c 80202040
00004370 80200000
00004374 80000000
00004378 00002040
0000437c 00000040
00004380 00202000
00004384 00202040
00004388 80002000
0000438c 00002040
00004390 80000000
00004394 80002000
00004398 00202040
0000439c 80202000
000043a0 00200040
000043a4 00000000
000043a8 80002000
000043ac 80000000
000043b0 00002000
000043b4 80200040
000043b8 00200000
000043bc 00200040
000043c0 80202040
000043c4 00202000
000043c8 00000040
000043cc 80202040
000043d0 00202000
000043d4 00200000
000043d8 80002040
000043dc 80000040
000043e0 80200000
000043e4 00202040
000043e8 00000000
000043ec 00002000
000043f0 80000040
000043f4 80002040
000043f8 80202000
000043fc 80200000
00004400 00002040
00004404 00000040
00004408 80200040
0000440c 00004000
00004410 00000200
00004414 01000200
00004418 01000040
0000441c 01004204
00004420 00004004
00004424 00004200
00004428 00000000
0000442c 01000000
00004430 01000204
00004434 00000204
00004438 01004000
0000443c 00000040
00004440 01004200
00004444 01004000
00004448 00000204
0000444c 01000204
00004450 00004000
00004454 00004004
00004458 01004204
0000445c 00000000
00004460 01000200
00004464 01000004

DC.W #0,#64
DC.W #-32736,#8192
DC.W #-32736,#64
DC.W #-32736,#8256
DC.W #-32736,#0
DC.W #-32768,#0
DC.W #0,#8256
DC.W #0,#64
DC.W #32,#8192
DC.W #32,#8256
DC.W #-32768,#8192
DC.W #0,#8256
DC.W #-32768,#0
DC.W #-32768,#8192
DC.W #32,#8256
DC.W #-32768,#8192
DC.W #0,#0
DC.W #-32768,#8192
DC.W #-32768,#0
DC.W #0,#8192
DC.W #-32736,#64
DC.W #32,#0
DC.W #32,#64
DC.W #-32736,#8256
DC.W #32,#8192
DC.W #0,#64
DC.W #-32736,#8256
DC.W #32,#8192
DC.W #32,#0
DC.W #-32768,#8256
DC.W #-32768,#64
DC.W #-32736,#0
DC.W #32,#8256
DC.W #0,#0
DC.W #0,#8192
DC.W #-32768,#64
DC.W #-32768,#8256
DC.W #-32736,#8192
DC.W #-32736,#0
DC.W #0,#8256
DC.W #0,#64
DC.W #-32736,#64
DC.W #0,#16384
DC.W #0,#512
DC.W #256,#512
DC.W #256,#4
DC.W #256,#16900
DC.W #0,#16388
DC.W #0,#0
DC.W #256,#16384
DC.W #0,#4
DC.W #256,#0
DC.W #256,#516
DC.W #0,#516
DC.W #0,#516
DC.W #256,#16384
DC.W #0,#4
DC.W #256,#16896
DC.W #256,#16384
DC.W #0,#516
DC.W #256,#516
DC.W #0,#516
DC.W #256,#16384
DC.W #0,#16388
DC.W #0,#16388
DC.W #256,#16900
DC.W #0,#0
DC.W #256,#512
DC.W #256,#4

00004468 00004200
0000446c 01004004
00004470 00004204
00004474 01004200
00004478 00000004
0000447c 00004204
00004480 01004004
00004484 00000200
00004488 01000000
0000448c 00004204
00004490 01004000
00004494 01004004
00004498 00000204
0000449c 00004000
000044a0 00000200
000044a4 01000000
000044a8 01004004
000044ac 01000204
000044b0 00004204
000044b4 00004200
000044b8 00000000
000044bc 00000200
000044c0 01000004
000044c4 00000004
000044c8 01000200
000044cc 00000000
000044d0 01000204
000044d4 01000200
000044d8 00004200
000044dc 00000204
000044e0 00004000
000044e4 01004204
000044e8 01000000
000044ec 01004200
000044f0 00000004
000044f4 00004004
000044f8 01004204
000044fc 01000004
00004500 01004200
00004504 01004000
00004508 00004004
0000450c 20800080
00004510 20820000
00004514 00020080
00004518 00000000
0000451c 20020000
00004520 00800080
00004524 20800000
00004528 20820080
0000452c 00000080
00004530 20000000
00004534 00820000
00004538 00020080
0000453c 00820080
00004540 20020080
00004544 20000080
00004548 20800000
0000454c 00020000
00004550 00820080
00004554 00800080
00004558 20020000
0000455c 20820080
00004560 20000080
00004564 00000000
00004568 00820000
0000456c 20000000

DC.W #0,#16896
DC.W #256,#16388
DC.W #0,#16900
DC.W #256,#16896
DC.W #0,#4
DC.W #0,#16900
DC.W #256,#16388
DC.W #0,#512
DC.W #256,#0
DC.W #0,#16900
DC.W #256,#16384
DC.W #256,#16388
DC.W #0,#516
DC.W #0,#16384
DC.W #0,#512
DC.W #256,#0
DC.W #256,#16388
DC.W #0,#16900
DC.W #0,#0
DC.W #0,#512
DC.W #256,#4
DC.W #0,#4
DC.W #256,#512
DC.W #0,#0
DC.W #256,#516
DC.W #0,#16896
DC.W #0,#516
DC.W #0,#16384
DC.W #256,#16900
DC.W #256,#0
DC.W #256,#16896
DC.W #0,#4
DC.W #0,#16388
DC.W #256,#16900
DC.W #256,#4
DC.W #256,#16896
DC.W #256,#16384
DC.W #0,#16388
DC.W #8322,#128
DC.W #8322,#0
DC.W #2,#128
DC.W #0,#0
DC.W #8194,#0
DC.W #128,#128
DC.W #8320,#0
DC.W #8322,#128
DC.W #0,#128
DC.W #8192,#0
DC.W #130,#0
DC.W #2,#128
DC.W #130,#128
DC.W #8194,#128
DC.W #8192,#128
DC.W #8320,#0
DC.W #2,#0
DC.W #130,#128
DC.W #128,#128
DC.W #8194,#0
DC.W #8322,#128
DC.W #8192,#128
DC.W #0,#0
DC.W #130,#0
DC.W #8192,#0

00004570 00800000
00004574 20020080
00004578 20800080
0000457c 00800000
00004580 00020000
00004584 20820000
00004588 00000080
0000458c 00800000
00004590 00020000
00004594 20000080
00004598 20820080
0000459c 00020080
000045a0 20000000
000045a4 00000000
000045a8 00820000
000045ac 20800080
000045b0 20020080
000045b4 20020000
000045b8 00800080
000045bc 20820000
000045c0 00000080
000045c4 00800080
000045c8 20020000
000045cc 20820080
000045d0 00800000
000045d4 20800000
000045d8 20000080
000045dc 00820000
000045e0 00020080
000045e4 20020080
000045e8 20800000
000045ec 00000080
000045f0 20820000
000045f4 00820080
000045f8 00000000
000045fc 20000000
00004600 20800080
00004604 00020000
00004608 00820080
0000460c 4e56fffc
00004610 48e71f30
00004614 246c00cc
00004618 266e0008
0000461c 2a13
0000461e 282b0004
00004622 2004
00004624 e888
00004626 bb80
00004628 02800f0f0f0f
0000462e b185
00004630 e980
00004632 b184
00004634 2005
00004636 4240
00004638 4840
0000463a b980
0000463c 02800000ffff
00004642 b184
00004644 4840
00004646 4240
00004648 b185
0000464a 2004
0000464c e488
0000464e bb80
00004650 008033333333
00004656 b185

L446

DC.W #128,#0
DC.W #8194,#128
DC.W #8320,#128
DC.W #128,#0
DC.W #2,#0
DC.W #8322,#0
DC.W #0,#128
DC.W #128,#0
DC.W #2,#0
DC.W #8192,#128
DC.W #8322,#128
DC.W #2,#128
DC.W #8192,#0
DC.W #0,#0
DC.W #130,#0
DC.W #8320,#128
DC.W #8194,#128
DC.W #8194,#0
DC.W #128,#128
DC.W #8322,#0
DC.W #0,#128
DC.W #128,#128
DC.W #8194,#0
DC.W #8322,#128
DC.W #128,#0
DC.W #8320,#0
DC.W #8192,#128
DC.W #130,#0
DC.W #2,#128
DC.W #8194,#128
DC.W #8320,#0
DC.W #0,#128
DC.W #8322,#0
DC.W #130,#128
DC.W #0,#0
DC.W #8192,#0
DC.W #8320,#128
DC.W #2,#0
DC.W #130,#128
LINK A6,#-4
MOVEM.L D3-D7/A2/A3,-(SP)
MOVEA.L 204(A4),A2
MOVEA.L 8(A6),A3
MOVE.L(A3),D5
MOVE.L4(A3),D4
MOVE.LD4,D0
LSR.L #4,D0
EOR.L D5,D0
ANDI.L#\$f0f0f0f,D0
EOR.L D0,D5
ASL.L #4,D0
EOR.L D0,D4
MOVE.LD5,D0
CLR.W D0
SWAP D0
EOR.L D4,D0
ANDI.L#\$ffff,D0
EOR.L D0,D4
SWAP D0
CLR.W D0
EOR.L D0,D5
MOVE.LD4,D0
LSR.L #2,D0
EOR.L D5,D0
ANDI.L#\$33333333,D0
EOR.L D0,D5

(des-ecb-encrypt)

~~*(des-ecb-encrypt)*~~

00004658 e580
0000465a b184
0000465c 2005
0000465e e088
00004660 b980
00004662 028000ff00ff
00004664 b184
00004666 e180
0000466c b185
0000466e 2004
00004670 e288
00004672 bb80
00004674 028055555555
00004676 b185
0000467c d080
0000467e b184
00004680 e79d
00004682 e79c
00004684 2d6e000cffff
00004686 4a6e0010
00004688 670002f0
00004690 4246
00004692 3006
00004694 48c0
00004696 e580
00004698 266efffc
0000469a 26330800
0000469c bb83
0000469e 224b
000046a0 d3c0
000046a2 24290004
000046a4 bb82
000046a6 7e1c
000046a8 efa
000046aa 2203
000046ac 0281000000fc
000046ae 2003
000046b0 e088
000046b2 0280000000fc
000046b4 41f20800
000046b6 22321800
000046b8 2e280200
000046ba bf81
000046bc 2003
000046be 4240
000046c0 4840
000046c2 0280000000fc
000046c4 41f20800
000046c6 2e280400
000046c8 bf81
000046ca 2003
000046cc 4240
000046ce 4840
000046d0 e048
000046d2 0280000000fc
000046d4 41f20800
000046d6 2e280600
000046d8 bf81
000046da 2002
000046dc 0280000000fc
000046de 41f20800
000046e0 2e280100
000046e2 bf81
000046e4 2002
000046e6 e088
000046e8 0280000000fc
000046ea 41f20800
000046ec 2e280100
000046ee bf81
000046f0 2002
000046f2 e088
000046f4 0280000000fc
000046f6 41f20800
000046f8 2e280100
000046fa bf81
000046fc 2002
000046fe e088
00004700 0280000000fc
00004702 41f20800
00004704 2e280100
00004706 bf81
00004708 2002
0000470a e088
0000470c 0280000000fc
0000470e 41f20800
00004710 2e280100
00004712 bf81
00004714 2002
00004716 e088
00004718 0280000000fc

L447

ASL.L #2,D0
EOR.L D0,D4
MOVE.LD5,D0
LSR.L #8,D0
EOR.L D4,D0
ANDI.L#\$fff00ff,D0
EOR.L D0,D4
ASL.L #8,D0
EOR.L D0,D5
MOVE.LD4,D0
LSR.L #1,D0
EOR.L D5,D0
ANDI.L#\$55555555,D0
EOR.L D0,D5
ADD.L D0,D0
EOR.L D0,D4
ROL.L #3,D5
ROL.L #3,D4
MOVE.LI2(A6),-4(A6)
TST.W 16(A6)
BEQ L448
CLR.W D6
MOVE.WD6,D0
EXT.L D0
ASL.L #2,D0
MOVEA.L -4(A6),A3
MOVE.L0(A3,D0.L),D3
EOR.L D5,D3
MOVEA.L A3,A1
ADDA.LD0,A1
MOVE.L4(A1),D2
EOR.L D5,D2
MOVEQ #28,D7
ROL.L D7,D2
MOVE.LD3,D1
ANDI.L#\$fc,D1
MOVE.LD3,D0
LSR.L #8,D0
ANDI.L#\$fc,D0
LEA 0(A2,D0.L),A0
MOVE.L0(A2,D1.L),D1
MOVE.L512(A0),D7
EOR.L D7,D1
MOVE.LD3,D0
CLR.W D0
SWAP D0
ANDI.L#\$fc,D0
LEA 0(A2,D0.L),A0
MOVE.L1024(A0),D7
EOR.L D7,D1
MOVE.LD3,D0
CLR.W D0
SWAP D0
LSR.W #8,D0
ANDI.L#\$fc,D0
LEA 0(A2,D0.L),A0
MOVE.L1536(A0),D7
EOR.L D7,D1
MOVE.LD2,D0
ANDI.L#\$fc,D0
LEA 0(A2,D0.L),A0
MOVE.L256(A0),D7
EOR.L D7,D1
MOVE.LD2,D0
LSR.L #8,D0
ANDI.L#\$fc,D0

0000471c	41f20800	LEA 0(A2,D0.L),A0	000047ee	bf81	EOR.L D7,D1
00004720	2e280300	MOVE.L768(A0),D7	000047f0	2002	MOVE.LD2,D0
00004724	bf81	EOR.L D7,D1	000047f2	4240	CLR.W D0
00004726	2002	MOVE.LD2,D0	000047f4	4840	SWAP D0
00004728	4240	CLR.W D0	000047f6	e048	LSR.W #8,D0
0000472a	4840	SWAP D0	000047f8	0280000000fc	ANDI.L#\$fc,D0
0000472c	0280000000fc	ANDI.L#\$fc,D0	000047fe	41f20800	LEA 0(A2,D0.L),A0
00004732	41f20800	LEA 0(A2,D0.L),A0	00004802	2e280700	MOVE.L1792(A0),D7
00004736	2e280500	MOVE.L1280(A0),D7	00004806	bf81	EOR.L D7,D1
0000473a	bf81	EOR.L D7,D1	00004808	b385	EOR.L D1,D5
0000473c	2002	MOVE.LD2,D0	0000480a	26290010	MOVE.L16(A1),D3
0000473e	4240	CLR.W D0	0000480c	bb83	EOR.L D5,D3
00004740	4840	SWAP D0	0000480e	24290014	MOVE.L20(A1),D2
00004742	e048	LSR.W #8,D0	00004810	bb82	EOR.L D5,D2
00004744	0280000000fc	ANDI.L#\$fc,D0	00004812	7e1c	MOVEQ #28,D7
00004746	41f20800	LEA 0(A2,D0.L),A0	00004814	efba	ROL.L D7,D2
00004748	2e280700	MOVE.L1792(A0),D7	00004816	2203	MOVE.LD3,D1
0000474a	bf81	EOR.L D7,D1	00004818	0281000000fc	ANDI.L#\$fc,D1
0000474c	b384	EOR.L D1,D4	0000481a	2003	MOVE.LD3,D0
0000474e	26290008	MOVE.L8(A1),D3	0000481c	e088	LSR.L #8,D0
00004750	b983	EOR.L D4,D3	0000481e	0280000000fc	ANDI.L#\$fc,D0
00004752	2429000c	MOVE.L12(A1),D2	00004820	41f20800	LEA 0(A2,D0.L),A0
00004754	b982	EOR.L D4,D2	00004822	22321800	MOVE.L0(A2,D1.L),D1
00004756	7e1c	MOVEQ #28,D7	00004824	2e280200	MOVE.L512(A0),D7
00004758	efba	ROL.L D7,D2	00004826	bf81	EOR.L D7,D1
0000475a	2203	MOVE.LD3,D1	00004828	2003	MOVE.LD3,D0
0000475c	0281000000fc	ANDI.L#\$fc,D1	0000482a	4240	CLR.W D0
0000475e	2003	MOVE.LD3,D0	0000482c	4840	SWAP D0
00004760	e088	LSR.L #8,D0	0000482e	0280000000fc	ANDI.L#\$fc,D0
00004762	0280000000fc	ANDI.L#\$fc,D0	00004830	41f20800	LEA 0(A2,D0.L),A0
00004764	41f20800	LEA 0(A2,D0.L),A0	00004832	22321800	MOVE.L0(A2,D1.L),D1
00004766	22321800	MOVE.L0(A2,D1.L),D1	00004834	2e280200	MOVE.L512(A0),D7
00004768	2e280200	MOVE.L512(A0),D7	00004836	bf81	EOR.L D7,D1
0000476a	bf81	EOR.L D7,D1	00004838	2003	MOVE.LD3,D0
0000476c	2003	MOVE.LD3,D0	0000483a	4240	CLR.W D0
0000476e	e088	LSR.L #8,D0	0000483c	4840	SWAP D0
00004770	0280000000fc	ANDI.L#\$fc,D0	0000483e	0280000000fc	ANDI.L#\$fc,D0
00004772	41f20800	LEA 0(A2,D0.L),A0	00004840	41f20800	LEA 0(A2,D0.L),A0
00004774	22321800	MOVE.L0(A2,D1.L),D1	00004842	2e280400	MOVE.L1024(A0),D7
00004776	2e280200	MOVE.L512(A0),D7	00004844	bf81	EOR.L D7,D1
00004778	bf81	EOR.L D7,D1	00004846	2003	MOVE.LD3,D0
0000477a	2003	MOVE.LD3,D0	00004848	4240	CLR.W D0
0000477c	4240	CLR.W D0	0000484a	4840	SWAP D0
0000477e	4840	SWAP D0	0000484c	e048	LSR.W #8,D0
00004780	0280000000fc	ANDI.L#\$fc,D0	0000484e	0280000000fc	ANDI.L#\$fc,D0
00004782	41f20800	LEA 0(A2,D0.L),A0	00004850	41f20800	LEA 0(A2,D0.L),A0
00004784	2e280400	MOVE.L1024(A0),D7	00004852	2e280600	MOVE.L1536(A0),D7
00004786	bf81	EOR.L D7,D1	00004854	bf81	EOR.L D7,D1
00004788	2003	EOR.L D7,D1	00004856	2002	MOVE.LD2,D0
0000478a	4240	MOVE.LD3,D0	00004858	0280000000fc	ANDI.L#\$fc,D0
0000478c	4840	CLR.W D0	0000485a	41f20800	LEA 0(A2,D0.L),A0
0000478e	0280000000fc	SWAP D0	0000485c	2e280600	MOVE.L1536(A0),D7
00004790	41f20800	LSR.W #8,D0	0000485e	bf81	EOR.L D7,D1
00004792	2e280400	ANDI.L#\$fc,D0	00004860	2002	MOVE.LD2,D0
00004794	bf81	LEA 0(A2,D0.L),A0	00004862	0280000000fc	ANDI.L#\$fc,D0
00004796	2002	MOVE.L1024(A0),D7	00004864	41f20800	LEA 0(A2,D0.L),A0
00004798	bf81	EOR.L D7,D1	00004866	2e280300	MOVE.L768(A0),D7
0000479a	2003	EOR.L D7,D1	00004868	bf81	EOR.L D7,D1
0000479c	4240	MOVE.LD3,D0	0000486a	2002	MOVE.LD2,D0
0000479e	4840	CLR.W D0	0000486c	e088	LSR.L #8,D0
000047a0	e048	SWAP D0	0000486e	0280000000fc	ANDI.L#\$fc,D0
000047a2	0280000000fc	ANDI.L#\$fc,D0	00004870	41f20800	LEA 0(A2,D0.L),A0
000047a4	41f20800	LEA 0(A2,D0.L),A0	00004872	2e280100	MOVE.L256(A0),D7
000047a6	2e280600	MOVE.L1536(A0),D7	00004874	bf81	EOR.L D7,D1
000047a8	bf81	EOR.L D7,D1	00004876	2002	MOVE.LD2,D0
000047aa	2002	MOVE.LD2,D0	00004878	e088	LSR.L #8,D0
000047ac	0280000000fc	ANDI.L#\$fc,D0	0000487a	0280000000fc	ANDI.L#\$fc,D0
000047ae	41f20800	LEA 0(A2,D0.L),A0	0000487c	41f20800	LEA 0(A2,D0.L),A0
000047b0	2e280100	MOVE.L256(A0),D7	0000487e	2e280300	MOVE.L768(A0),D7
000047b2	bf81	EOR.L D7,D1	00004880	bf81	EOR.L D7,D1
000047b4	2002	MOVE.LD2,D0	00004882	2002	MOVE.LD2,D0
000047b6	0280000000fc	ANDI.L#\$fc,D0	00004884	0280000000fc	ANDI.L#\$fc,D0
000047b8	41f20800	LEA 0(A2,D0.L),A0	00004886	41f20800	LEA 0(A2,D0.L),A0
000047ba	2e280100	MOVE.L256(A0),D7	00004888	2e280500	MOVE.L1280(A0),D7
000047bc	bf81	EOR.L D7,D1	0000488a	bf81	EOR.L D7,D1
000047be	2002	MOVE.LD2,D0	0000488c	2002	MOVE.LD2,D0
000047c0	e088	LSR.L #8,D0	0000488e	4240	CLR.W D0
000047c2	0280000000fc	ANDI.L#\$fc,D0	00004890	4840	SWAP D0
000047c4	41f20800	LEA 0(A2,D0.L),A0	00004892	0280000000fc	ANDI.L#\$fc,D0
000047c6	2002	MOVE.LD2,D0	00004894	41f20800	LEA 0(A2,D0.L),A0
000047c8	e088	LSR.L #8,D0	00004896	2e280500	MOVE.L1280(A0),D7
000047ca	0280000000fc	ANDI.L#\$fc,D0	00004898	bf81	EOR.L D7,D1
000047cc	41f20800	LEA 0(A2,D0.L),A0	0000489a	2002	MOVE.LD2,D0
000047ce	2e280300	MOVE.L768(A0),D7	0000489c	4240	CLR.W D0
000047d0	bf81	EOR.L D7,D1	0000489e	4840	SWAP D0
000047d2	2002	MOVE.LD2,D0	000048a0	e048	LSR.W #8,D0
000047d4	4240	CLR.W D0	000048a2	0280000000fc	ANDI.L#\$fc,D0
000047d6	4840	SWAP D0	000048a4	41f20800	LEA 0(A2,D0.L),A0
000047d8	0280000000fc	ANDI.L#\$fc,D0	000048a6	2e280700	MOVE.L1792(A0),D7
000047da	41f20800	LEA 0(A2,D0.L),A0	000048a8	bf81	EOR.L D7,D1
000047dc	2e280500	MOVE.L1280(A0),D7	000048aa	2002	MOVE.LD2,D0
000047de	bf81	EOR.L D7,D1	000048ac	4240	CLR.W D0
000047e0	2e280300	MOVE.L768(A0),D7	000048ae	4840	SWAP D0
000047e2	bf81	EOR.L D7,D1	000048b0	e048	LSR.W #8,D0
000047e4	2002	MOVE.LD2,D0	000048b2	0280000000fc	ANDI.L#\$fc,D0
000047e6	4240	CLR.W D0	000048b4	41f20800	LEA 0(A2,D0.L),A0
000047e8	4840	SWAP D0	000048b6	2e280700	MOVE.L1792(A0),D7
000047ea	0280000000fc	ANDI.L#\$fc,D0	000048b8	bf81	EOR.L D7,D1
000047ec	41f20800	LEA 0(A2,D0.L),A0			
000047ee	2e280500	MOVE.L1280(A0),D7			

000048bc	b384	EOR.L D1,D4	00004988	266efffc	MOVEA.L -4(A6),A3
000048be	26290018	MOVE.L24(A1),D3	0000498c	26330800	MOVE.L0(A3,D0.L),D3
000048c2	b983	EOR.L D4,D3	00004990	bb83	EOR.L D5,D3
000048c4	2429001c	MOVE.L28(A1),D2	00004992	224b	MOVEA.L A3,A1
000048c8	b982	EOR.L D4,D2	00004994	d3c0	ADDA.LD0,A1
000048ca	7elc	MOVEQ #28,D7	00004996	24290004	MOVE.L4(A1),D2
000048cc	efba	ROL.L D7,D2	0000499a	bb82	EOR.L D5,D2
000048ce	2203	MOVE.LD3,D1	0000499c	7elc	MOVEQ #28,D7
000048d0	0281000000fc	ANDI.L#\$fc,D1	0000499e	efba	ROL.L D7,D2
000048d6	2003	MOVE.LD3,D0	000049a0	2203	MOVE.LD3,D1
000048d8	e088	LSR.L #8,D0	000049a2	0281000000fc	ANDI.L#\$fc,D1
000048da	0280000000fc	ANDI.L#\$fc,D0	000049a8	2003	MOVE.LD3,D0
000048e0	41f20800	LEA 0(A2,D0.L),A0	000049aa	e088	LSR.L #8,D0
000048e4	22321800	MOVE.L0(A2,D1.L),D1	000049ac	0280000000fc	ANDI.L#\$fc,D0
000048e8	2e280200	MOVE.L512(A0),D7	000049b2	41f20800	LEA 0(A2,D0.L),A0
000048ec	bf81	EOR.L D7,D1	000049b6	22321800	MOVE.L0(A2,D1.L),D1
000048ee	2003	MOVE.LD3,D0	000049ba	2e280200	MOVE.L512(A0),D7
000048f0	4240	CLR.W D0	000049be	bf81	EOR.L D7,D1
000048f2	4840	SWAP D0	000049c0	2003	MOVE.LD3,D0
000048f4	0280000000fc	ANDI.L#\$fc,D0	000049c2	4240	CLR.W D0
000048fa	41f20800	LEA 0(A2,D0.L),A0	000049c4	4840	SWAP D0
000048fe	2e280400	MOVE.L1024(A0),D7	000049c6	0280000000fc	ANDI.L#\$fc,D0
00004902	bf81	EOR.L D7,D1	000049cc	41f20800	LEA 0(A2,D0.L),A0
00004904	2003	MOVE.LD3,D0	000049d0	2e280400	MOVE.L1024(A0),D7
00004906	4240	CLR.W D0	000049d4	bf81	EOR.L D7,D1
00004908	4840	SWAP D0	000049d6	2003	MOVE.LD3,D0
0000490a	e048	LSR.W #8,D0	000049d8	4240	CLR.W D0
0000490c	0280000000fc	ANDI.L#\$fc,D0	000049da	4840	SWAP D0
00004912	41f20800	LEA 0(A2,D0.L),A0	000049dc	e048	LSR.W #8,D0
00004916	2e280600	MOVE.L1536(A0),D7	000049de	0280000000fc	ANDI.L#\$fc,D0
0000491a	bf81	EOR.L D7,D1	000049e4	41f20800	LEA 0(A2,D0.L),A0
0000491c	2002	MOVE.LD2,D0	000049e8	2e280600	MOVE.L1536(A0),D7
0000491e	0280000000fc	ANDI.L#\$fc,D0	000049ec	bf81	EOR.L D7,D1
00004924	41f20800	LEA 0(A2,D0.L),A0	000049ee	2002	MOVE.LD2,D0
00004928	2e280100	MOVE.L256(A0),D7	000049f0	0280000000fc	ANDI.L#\$fc,D0
0000492c	bf81	EOR.L D7,D1	000049f6	41f20800	LEA 0(A2,D0.L),A0
0000492e	2002	MOVE.LD2,D0	000049fa	2e280100	MOVE.L256(A0),D7
00004930	e088	LSR.L #8,D0	000049fe	bf81	EOR.L D7,D1
00004932	0280000000fc	ANDI.L#\$fc,D0	00004a00	2002	MOVE.LD2,D0
00004938	41f20800	LEA 0(A2,D0.L),A0	00004a02	e088	LSR.L #8,D0
0000493c	2e280300	MOVE.L768(A0),D7	00004a04	0280000000fc	ANDI.L#\$fc,D0
00004940	bf81	EOR.L D7,D1	00004a0a	41f20800	LEA 0(A2,D0.L),A0
00004942	2002	MOVE.LD2,D0	00004a0e	2e280300	MOVE.L768(A0),D7
00004944	4240	CLR.W D0	00004a12	bf81	EOR.L D7,D1
00004946	4840	SWAP D0	00004a14	2002	MOVE.LD2,D0
00004948	0280000000fc	ANDI.L#\$fc,D0	00004a16	4240	CLR.W D0
0000494e	41f20800	LEA 0(A2,D0.L),A0	00004a18	4840	SWAP D0
00004952	2e280500	MOVE.L1280(A0),D7	00004a1a	0280000000fc	ANDI.L#\$fc,D0
00004956	bf81	EOR.L D7,D1	00004a20	41f20800	LEA 0(A2,D0.L),A0
00004958	2002	MOVE.LD2,D0	00004a24	2e280500	MOVE.L1280(A0),D7
0000495a	4240	CLR.W D0	00004a28	bf81	EOR.L D7,D1
0000495c	4840	SWAP D0	00004a2a	2002	MOVE.LD2,D0
0000495e	e048	LSR.W #8,D0	00004a2c	4240	CLR.W D0
00004960	0280000000fc	ANDI.L#\$fc,D0	00004a2e	4840	SWAP D0
00004966	41f20800	LEA 0(A2,D0.L),A0	00004a30	e048	LSR.W #8,D0
0000496a	2e280700	MOVE.L1792(A0),D7	00004a32	0280000000fc	ANDI.L#\$fc,D0
0000496e	bf81	EOR.L D7,D1	00004a38	41f20800	LEA 0(A2,D0.L),A0
00004970	b385	EOR.L D1,D5	00004a3c	2e280700	MOVE.L1792(A0),D7
00004972	5046	ADDQ.W#8,D6	00004a40	bf81	EOR.L D7,D1
00004974	0c46001f	CMPI.W#\$1f,D6	00004a42	b384	EOR.L D1,D4
00004978	6f00fd1a	BLE L447	00004a44	2629ffff	MOVE.L-8(A1),D3
0000497c	600002ea	BRA L450	00004a48	b983	EOR.L D4,D3
00004980	7c1e	MOVEQ #30,D6	00004a4a	2429ffff	MOVE.L-4(A1),D2
00004982	3006	MOVE.WD6,D0	00004a4e	b982	EOR.L D4,D2
00004984	48c0	EXT.L D0	00004a50	7elc	MOVEQ #28,D7
00004986	e580	ASL.L #2,D0	00004a52	efba	ROL.L D7,D2

L448
L449

00004a54	2203	MOVE.LD3,D1	00004b28	2003	MOVE.LD3,D0
00004a56	0281000000fc	ANDI.L#\$fc,D1	00004b2a	4240	CLR.W D0
00004a5c	2003	MOVE.LD3,D0	00004b2c	4840	SWAP D0
00004a5e	e088	LSR.L #8,D0	00004b2e	0280000000fc	ANDI.L#\$fc,D0
00004a60	0280000000fc	ANDI.L#\$fc,D0	00004b34	41f20800	LEA 0(A2,DO.L),A0
00004a66	41f20800	LEA 0(A2,DO.L),A0	00004b38	2e280400	MOVE.L1024(A0),D7
00004a6a	22321800	MOVE.L0(A2,D1.L),D1	00004b3c	bf81	EOR.L D7,D1
00004a6e	2e280200	MOVE.L512(A0),D7	00004b3e	2003	MOVE.LD3,D0
00004a72	bf81	EOR.L D7,D1	00004b40	4240	CLR.W D0
00004a74	2003	MOVE.LD3,D0	00004b42	4840	SWAP D0
00004a76	4240	CLR.W D0	00004b44	e048	LSR.W #8,D0
00004a78	4840	SWAP D0	00004b46	0280000000fc	ANDI.L#\$fc,D0
00004a7a	0280000000fc	ANDI.L#\$fc,D0	00004b4c	41f20800	LEA 0(A2,DO.L),A0
00004a80	41f20800	LEA 0(A2,DO.L),A0	00004b50	2e280600	MOVE.L1536(A0),D7
00004a84	2e280400	MOVE.L1024(A0),D7	00004b54	bf81	EOR.L D7,D1
00004a88	bf81	EOR.L D7,D1	00004b56	2002	MOVE.LD2,D0
00004a8a	2003	MOVE.LD3,D0	00004b58	0280000000fc	ANDI.L#\$fc,D0
00004a8c	4240	CLR.W D0	00004b5e	41f20800	LEA 0(A2,DO.L),A0
00004a8e	4840	SWAP D0	00004b62	2e280100	MOVE.L256(A0),D7
00004a90	e048	LSR.W #8,D0	00004b66	bf81	EOR.L D7,D1
00004a92	0280000000fc	ANDI.L#\$fc,D0	00004b68	2002	MOVE.LD2,D0
00004a98	41f20800	LEA 0(A2,DO.L),A0	00004b6a	e088	LSR.L #8,D0
00004a9c	2e280600	MOVE.L1536(A0),D7	00004b6c	0280000000fc	ANDI.L#\$fc,D0
00004aa0	bf81	EOR.L D7,D1	00004b72	41f20800	LEA 0(A2,DO.L),A0
00004aa2	2002	MOVE.LD2,D0	00004b76	2e280300	MOVE.L768(A0),D7
00004aa4	0280000000fc	ANDI.L#\$fc,D0	00004b7a	bf81	EOR.L D7,D1
00004aaa	41f20800	LEA 0(A2,DO.L),A0	00004b7c	2002	MOVE.LD2,D0
00004aae	2e280100	MOVE.L256(A0),D7	00004b7e	4240	CLR.W D0
00004ab2	bf81	EOR.L D7,D1	00004b80	4840	SWAP D0
00004ab4	2002	MOVE.LD2,D0	00004b82	0280000000fc	ANDI.L#\$fc,D0
00004ab6	e088	LSR.L #8,D0	00004b88	41f20800	LEA 0(A2,DO.L),A0
00004ab8	0280000000fc	ANDI.L#\$fc,D0	00004b8c	2e280500	MOVE.L1280(A0),D7
00004abe	41f20800	LEA 0(A2,DO.L),A0	00004b90	bf81	EOR.L D7,D1
00004ac2	2e280300	MOVE.L768(A0),D7	00004b92	2002	MOVE.LD2,D0
00004ac6	bf81	EOR.L D7,D1	00004b94	4240	CLR.W D0
00004ac8	2002	MOVE.LD2,D0	00004b96	4840	SWAP D0
00004aca	4240	CLR.W D0	00004b98	e048	LSR.W #8,D0
00004acc	4840	SWAP D0	00004b9a	0280000000fc	ANDI.L#\$fc,D0
00004ace	0280000000fc	ANDI.L#\$fc,D0	00004ba0	41f20800	LEA 0(A2,DO.L),A0
00004ad4	41f20800	LEA 0(A2,DO.L),A0	00004ba4	2e280700	MOVE.L1792(A0),D7
00004ad8	2e280500	MOVE.L1280(A0),D7	00004ba8	bf81	EOR.L D7,D1
00004adc	bf81	EOR.L D7,D1	00004baa	b384	EOR.L D1,D4
00004ade	2002	MOVE.LD2,D0	00004bac	2629ffe8	MOVE.L-24(A1),D3
00004ae0	4240	CLR.W D0	00004bb0	b983	EOR.L D4,D3
00004ae2	4840	SWAP D0	00004bb2	2429ffec	MOVE.L-20(A1),D2
00004ae4	e048	LSR.W #8,D0	00004bb6	b982	EOR.L D4,D2
00004ae6	0280000000fc	ANDI.L#\$fc,D0	00004bb8	7e1c	MOVEQ #28,D7
00004aec	41f20800	LEA 0(A2,DO.L),A0	00004bba	efba	ROL.L D7,D2
00004af0	2e280700	MOVE.L1792(A0),D7	00004bbc	2203	MOVE.LD3,D1
00004af4	bf81	EOR.L D7,D1	00004bbe	0281000000fc	ANDI.L#\$fc,D1
00004af6	b385	EOR.L D1,D5	00004bc4	2003	MOVE.LD3,D0
00004af8	2629fff0	MOVE.L-16(A1),D3	00004bc6	e088	LSR.L #8,D0
00004afc	bb83	EOR.L D5,D3	00004bc8	0280000000fc	ANDI.L#\$fc,D0
00004afe	2429fff4	MOVE.L-12(A1),D2	00004bce	41f20800	LEA 0(A2,DO.L),A0
00004b02	bb82	EOR.L D5,D2	00004bd2	22321800	MOVE.L0(A2,D1.L),D1
00004b04	7e1c	MOVEQ #28,D7	00004bd6	2e280200	MOVE.L512(A0),D7
00004b06	efba	ROL.L D7,D2	00004bda	bf81	EOR.L D7,D1
00004b08	2203	MOVE.LD3,D1	00004bdc	2003	MOVE.LD3,D0
00004b0a	0281000000fc	ANDI.L#\$fc,D1	00004bde	4240	CLR.W D0
00004b10	2003	MOVE.LD3,D0	00004be0	4840	SWAP D0
00004b12	e088	LSR.L #8,D0	00004be2	0280000000fc	ANDI.L#\$fc,D0
00004b14	0280000000fc	ANDI.L#\$fc,D0	00004be8	41f20800	LEA 0(A2,DO.L),A0
00004b1a	41f20800	LEA 0(A2,DO.L),A0	00004bec	2e280400	MOVE.L1024(A0),D7
00004b1e	22321800	MOVE.L0(A2,D1.L),D1	00004bf0	bf81	EOR.L D7,D1
00004b22	2e280200	MOVE.L512(A0),D7	00004bf2	2003	MOVE.LD3,D0
00004b26	bf81	EOR.L D7,D1	00004bf4	4240	CLR.W D0

00004bf6	4840	SWAP D0	00004cb0	2004	MOVE.LD4,D0
00004bf8	e048	LSR.W #8,D0	00004cb2	4240	CLR.W D0
00004bfa	0280000000fc	ANDI.L#\$fc,D0	00004cb4	4840	SWAP D0
00004c00	41f20800	LEA 0(A2,D0.L),A0	00004cb6	bb80	EOR.L D5,D0
00004c04	2e280600	MOVE.L1536(A0),D7	00004cb8	2200	MOVE.LD0,D1
00004c08	bf81	EOR.L D7,D1	00004cba	02810000ffff	ANDI.L#\$ffff,D1
00004c0a	2002	MOVE.LD2,D0	00004cc0	b385	EOR.L D1,D5
00004c0c	0280000000fc	ANDI.L#\$fc,D0	00004cc2	2001	MOVE.LD1,D0
00004c12	41f20800	LEA 0(A2,D0.L),A0	00004cc4	4840	SWAP D0
00004c16	2e280100	MOVE.L256(A0),D7	00004cc6	4240	CLR.W D0
00004c1a	bf81	EOR.L D7,D1	00004cc8	b184	EOR.L D0,D4
00004c1c	2002	MOVE.LD2,D0	00004cca	2005	MOVE.LD5,D0
00004c1e	e088	LSR.L #8,D0	00004ccc	e888	LSR.L #4,D0
00004c20	0280000000fc	ANDI.L#\$fc,D0	00004cce	b980	EOR.L D4,D0
00004c26	41f20800	LEA 0(A2,D0.L),A0	00004cd0	2200	MOVE.LD0,D1
00004c2a	2e280300	MOVE.L768(A0),D7	00004cd2	02810f0f0f0f	ANDI.L#\$f0f0f0f,D1
00004c2e	bf81	EOR.L D7,D1	00004cd8	2001	MOVE.LD1,D0
00004c30	2002	MOVE.LD2,D0	00004cda	e980	ASL.L #4,D0
00004c32	4240	CLR.W D0	00004cdc	b384	EOR.L D1,D4
00004c34	4840	SWAP D0	00004cde	266e0008	MOVEA.L 8(A6),A3
00004c36	0280000000fc	ANDI.L#\$fc,D0	00004ce2	2684	MOVE.LD4,(A3)
00004c3c	41f20800	LEA 0(A2,D0.L),A0	00004ce4	b185	EOR.L D0,D5
00004c40	2e280500	MOVE.L1280(A0),D7	00004ce6	27450004	MOVE.LD5,4(A3)
00004c44	bf81	EOR.L D7,D1	00004cea	4cee0cf8ffe0	MOVEM.L -32(A6),D3-D7/A2/A3
00004c46	2002	MOVE.LD2,D0	00004cf0	4e5e	UNLK A6
00004c48	4240	CLR.W D0	00004cf2	4e75	RTS
00004c4a	4840	SWAP D0	;-----		
00004c4c	e048	LSR.W #8,D0	00004cf4	4e56ffff	L451 LINK A6,#-4
00004c4e	0280000000fc	ANDI.L#\$fc,D0	00004cf8	48e71f30	MOVEM.L D3-D7/A2/A3,-(SP)
00004c54	41f20800	LEA 0(A2,D0.L),A0	00004cfc	246c00cc	MOVEA.L 204(A4),A2
00004c58	2e280700	MOVE.L1792(A0),D7	00004d00	266e0008	MOVEA.L 8(A6),A3
00004c5c	bf81	EOR.L D7,D1	00004d04	2a13	MOVE.L(A3),D5
00004c5e	b385	EOR.L D1,D5	00004d06	282b0004	MOVE.L4(A3),D4
00004c60	5146	SUBQ.W#8,D6	00004d0a	e79d	ROL.L #3,D5
00004c62	4a46	TST.W D6	00004d0c	e79c	ROL.L #3,D4
00004c64	6e00fd1c	BGT L449	00004d0e	2d6e000cffff	MOVE.L12(A6),-4(A6)
00004c68	7e1d	MOVEQ #29,D7	00004d14	4a6e0010	TST.W 16(A6)
00004c6a	efbc	ROL.L D7,D4	00004d18	670002f0	BEQ L453
00004c6c	efbd	ROL.L D7,D5	00004d1c	4246	CLR.W D6
00004c6e	2005	MOVE.LD5,D0	00004d1e	3006	MOVE.WD6,D0
00004c70	e288	LSR.L #1,D0	00004d20	48c0	EXT.L D0
00004c72	b980	EOR.L D4,D0	00004d22	e580	ASL.L #2,D0
00004c74	2200	MOVE.LD0,D1	00004d24	266efffc	MOVEA.L -4(A6),A3
00004c76	028155555555	ANDI.L#\$55555555,D1	00004d28	26330800	MOVE.L0(A3,D0.L),D3
00004c7c	b384	EOR.L D1,D4	00004d2c	bb83	EOR.L D5,D3
00004c7e	2001	MOVE.LD1,D0	00004d2e	224b	MOVEA.L A3,A1
00004c80	d080	ADD.L D0,D0	00004d30	d3c0	ADDA.LD0,A1
00004c82	b185	EOR.L D0,D5	00004d32	24290004	MOVE.L4(A1),D2
00004c84	2004	MOVE.LD4,D0	00004d36	bb82	EOR.L D5,D2
00004c86	e088	LSR.L #8,D0	00004d38	7e1c	MOVEQ #28,D7
00004c88	bb80	EOR.L D5,D0	00004d3a	efba	ROL.L D7,D2
00004c8a	2200	MOVE.LD0,D1	00004d3c	2203	MOVE.LD3,D1
00004c8c	028100ff00ff	ANDI.L#\$ff00ff,D1	00004d3e	0281000000fc	ANDI.L#\$fc,D1
00004c92	b385	EOR.L D1,D5	00004d44	2003	MOVE.LD3,D0
00004c94	2001	MOVE.LD1,D0	00004d46	e088	LSR.L #8,D0
00004c96	e180	ASL.L #8,D0	00004d48	0280000000fc	ANDI.L#\$fc,D0
00004c98	b184	EOR.L D0,D4	00004d4e	41f20800	LEA 0(A2,D0.L),A0
00004c9a	2005	MOVE.LD5,D0	00004d52	22321800	MOVE.L0(A2,D1.L),D1
00004c9c	e488	LSR.L #2,D0	00004d56	2e280200	MOVE.L512(A0),D7
00004c9e	b980	EOR.L D4,D0	00004d5a	bf81	EOR.L D7,D1
00004ca0	2200	MOVE.LD0,D1	00004d5c	2003	MOVE.LD3,D0
00004ca2	028133333333	ANDI.L#\$33333333,D1	00004d5e	4240	CLR.W D0
00004ca8	b384	EOR.L D1,D4	00004d60	4840	SWAP D0
00004caa	2001	MOVE.LD1,D0	00004d62	0280000000fc	ANDI.L#\$fc,D0
00004cac	e580	ASL.L #2,D0	00004d68	41f20800	LEA 0(A2,D0.L),A0
00004cae	b185	EOR.L D0,D5	00004d6c	2e280400	MOVE.L1024(A0),D7

00004d70	bf81	EOR.L D7,D1	00004e3e	2002	MOVE.LD2,D0
00004d72	2003	MOVE.LD3,D0	00004e40	0280000000fc	ANDI.L#\$fc,D0
00004d74	4240	CLR.W D0	00004e46	41f20800	LEA 0(A2,D0.L),A0
00004d76	4840	SWAP DO	00004e4a	2e280100	MOVE.L256(A0),D7
00004d78	e048	LSR.W #8,D0	00004e4e	bf81	EOR.L D7,D1
00004d7a	0280000000fc	ANDI.L#\$fc,D0	00004e50	2002	MOVE.LD2,D0
00004d80	41f20800	LEA 0(A2,D0.L),A0	00004e52	e088	LSR.L #8,D0
00004d84	2e280600	MOVE.L1536(A0),D7	00004e54	0280000000fc	ANDI.L#\$fc,D0
00004d88	bf81	EOR.L D7,D1	00004e5a	41f20800	LEA 0(A2,D0.L),A0
00004d8a	2002	MOVE.LD2,D0	00004e5e	2e280300	MOVE.L768(A0),D7
00004d8c	0280000000fc	ANDI.L#\$fc,D0	00004e62	bf81	EOR.L D7,D1
00004d92	41f20800	LEA 0(A2,D0.L),A0	00004e64	2002	MOVE.LD2,D0
00004d96	2e280100	MOVE.L256(A0),D7	00004e66	4240	CLR.W D0
00004d9a	bf81	EOR.L D7,D1	00004e68	4840	SWAP DO
00004d9c	2002	MOVE.LD2,D0	00004e6a	0280000000fc	ANDI.L#\$fc,D0
00004d9e	e088	LSR.L #8,D0	00004e70	41f20800	LEA 0(A2,D0.L),A0
00004da0	0280000000fc	ANDI.L#\$fc,D0	00004e74	2e280500	MOVE.L1280(A0),D7
00004da6	41f20800	LEA 0(A2,D0.L),A0	00004e78	bf81	EOR.L D7,D1
00004daa	2e280300	MOVE.L768(A0),D7	00004e7a	2002	MOVE.LD2,D0
00004dae	bf81	EOR.L D7,D1	00004e7c	4240	CLR.W D0
00004db0	2002	MOVE.LD2,D0	00004e7e	4840	SWAP DO
00004db2	4240	CLR.W D0	00004e80	e048	LSR.W #8,D0
00004db4	4840	SWAP DO	00004e82	0280000000fc	ANDI.L#\$fc,D0
00004db6	0280000000fc	ANDI.L#\$fc,D0	00004e88	41f20800	LEA 0(A2,D0.L),A0
00004dbc	41f20800	LEA 0(A2,D0.L),A0	00004e8c	2e280700	MOVE.L1792(A0),D7
00004dc0	2e280500	MOVE.L1280(A0),D7	bf81	00004e90	EOR.L D7,D1
00004dc4	bf81	EOR.L D7,D1	00004e92	b385	EOR.L D1,D5
00004dc6	2002	MOVE.LD2,D0	00004e94	26290010	MOVE.L16(A1),D3
00004dc8	4240	CLR.W D0	00004e98	bb83	EOR.L D5,D3
00004dca	4840	SWAP DO	00004e9a	24290014	MOVE.L20(A1),D2
00004dcc	e048	LSR.W #8,D0	00004e9e	bb82	EOR.L D5,D2
00004dce	0280000000fc	ANDI.L#\$fc,D0	00004ea0	7e1c	MOVEQ #28,D7
00004dd4	41f20800	LEA 0(A2,D0.L),A0	00004ea2	efba	ROL.L D7,D2
00004dd8	2e280700	MOVE.L1792(A0),D7	00004ea4	2203	MOVE.LD3,D1
00004ddc	bf81	EOR.L D7,D1	00004ea6	0281000000fc	ANDI.L#\$fc,D1
00004dde	b384	EOR.L D1,D4	00004eac	2003	MOVE.LD3,D0
00004de0	26290008	MOVE.L8(A1),D3	00004eae	e088	LSR.L #8,D0
00004de4	b983	EOR.L D4,D3	00004eb0	0280000000fc	ANDI.L#\$fc,D0
00004de6	2429000c	MOVE.L12(A1),D2	00004eb6	41f20800	LEA 0(A2,D0.L),A0
00004dea	b982	EOR.L D4,D2	00004eba	22321800	MOVE.L0(A2,D1.L),D1
00004dec	7e1c	MOVEQ #28,D7	00004ebe	2e280200	MOVE.L512(A0),D7
00004dee	efba	ROL.L D7,D2	00004ec2	bf81	EOR.L D7,D1
00004df0	2203	MOVE.LD3,D1	00004ec4	2003	MOVE.LD3,D0
00004df2	0281000000fc	ANDI.L#\$fc,D1	00004ec6	4240	CLR.W D0
00004df8	2003	MOVE.LD3,D0	00004ec8	4840	SWAP DO
00004dfa	e088	LSR.L #8,D0	00004eca	0280000000fc	ANDI.L#\$fc,D0
00004dfc	0280000000fc	ANDI.L#\$fc,D0	00004ed0	41f20800	LEA 0(A2,D0.L),A0
00004e02	41f20800	LEA 0(A2,D0.L),A0	00004ed4	2e280400	MOVE.L1024(A0),D7
00004e06	22321800	MOVE.L0(A2,D1.L),D1	00004ed8	bf81	EOR.L D7,D1
00004e0a	2e280200	MOVE.L512(A0),D7	00004eda	2003	MOVE.LD3,D0
00004e0e	bf81	EOR.L D7,D1	00004edc	4240	CLR.W D0
00004e10	2003	MOVE.LD3,D0	00004ede	4840	SWAP DO
00004e12	4240	CLR.W D0	00004ee0	e048	LSR.W #8,D0
00004e14	4840	SWAP DO	00004ee2	0280000000fc	ANDI.L#\$fc,D0
00004e16	0280000000fc	ANDI.L#\$fc,D0	00004ee8	41f20800	LEA 0(A2,D0.L),A0
00004e1c	41f20800	LEA 0(A2,D0.L),A0	00004eec	2e280600	MOVE.L1536(A0),D7
00004e20	2e280400	MOVE.L1024(A0),D7	00004ef0	bf81	EOR.L D7,D1
00004e24	bf81	EOR.L D7,D1	00004ef2	2002	MOVE.LD2,D0
00004e26	2003	MOVE.LD3,D0	00004ef4	0280000000fc	ANDI.L#\$fc,D0
00004e28	4240	CLR.W D0	00004efa	41f20800	LEA 0(A2,D0.L),A0
00004e2a	4840	SWAP DO	00004efe	2e280100	MOVE.L256(A0),D7
00004e2c	e048	LSR.W #8,D0	00004f02	bf81	EOR.L D7,D1
00004e2e	0280000000fc	ANDI.L#\$fc,D0	00004f04	2002	MOVE.LD2,D0
00004e34	41f20800	LEA 0(A2,D0.L),A0	00004f06	e088	LSR.L #8,D0
00004e38	2e280600	MOVE.L1536(A0),D7	00004f08	0280000000fc	ANDI.L#\$fc,D0
00004e3c	bf81	EOR.L D7,D1	00004f0e	41f20800	LEA 0(A2,D0.L),A0

00004f12	2e280300	MOVE.L768(A0),D7	00004fe2	2002	MOVE.LD2,D0
00004f16	bf81	EOR.L D7,D1	00004fe4	4240	CLR.W D0
00004f18	2002	MOVE.LD2,D0	00004fe6	4840	SWAP D0
00004f1a	4240	CLR.W D0	00004fe8	e048	LSR.W #8,D0
00004f1c	4840	SWAP D0	00004fea	0280000000fc	ANDI.L#\$fc,D0
00004f1e	0280000000fc	ANDI.L#\$fc,D0	00004ff0	41f20800	LEA 0(A2,D0.L),A0
00004f24	41f20800	LEA 0(A2,D0.L),A0	00004ff4	2e280700	MOVE.L1792(A0),D7
00004f28	2e280500	MOVE.L1280(A0),D7	00004ff8	bf81	EOR.L D7,D1
00004f2c	bf81	EOR.L D7,D1	00004ffa	b385	EOR.L D1,D5
00004f2e	2002	MOVE.LD2,D0	00004ffc	5046	ADDQ.W#8,D6
00004f30	4240	CLR.W D0	00004ffe	0c46001f	CMPI.W#\$1f,D6
00004f32	4840	SWAP D0	00005002	6f00fd1a	BLE L452
00004f34	e048	LSR.W #8,D0	00005006	600002ea	BRA L455
00004f36	0280000000fc	ANDI.L#\$fc,D0	0000500a	7c1e	MOVEQ #30,D6
00004f3c	41f20800	LEA 0(A2,D0.L),A0	0000500c	3006	MOVE.WD6,D0
00004f40	2e280700	MOVE.L1792(A0),D7	0000500e	48c0	EXT.L D0
00004f44	bf81	EOR.L D7,D1	00005010	e580	ASL.L #2,D0
00004f46	b384	EOR.L D1,D4	00005012	266efffc	MOVEA.L -4(A6),A3
00004f48	26290018	MOVE.L24(A1),D3	00005016	26330800	MOVE.L0(A3,D0.L),D3
00004f4c	b983	EOR.L D4,D3	0000501a	bb83	EOR.L D5,D3
00004f4e	2429001c	MOVE.L28(A1),D2	0000501c	224b	MOVEA.L A3,A1
00004f52	b982	EOR.L D4,D2	0000501e	d3c0	ADDA.LD0,A1
00004f54	7e1c	MOVEQ #28,D7	00005020	24290004	MOVE.L4(A1),D2
00004f56	efba	ROL.L D7,D2	00005024	bb92	EOR.L D5,D2
00004f58	2203	MOVE.LD3,D1	00005026	7e1c	MOVEQ #28,D7
00004f5a	0281000000fc	ANDI.L#\$fc,D1	00005028	efba	ROL.L D7,D2
00004f60	2003	MOVE.LD3,D0	0000502a	2203	MOVE.LD3,D1
00004f62	e088	LSR.L #8,D0	0000502c	0281000000fc	ANDI.L#\$fc,D1
00004f64	0280000000fc	ANDI.L#\$fc,D0	00005032	2003	MOVE.LD3,D0
00004f6a	41f20800	LEA 0(A2,D0.L),A0	00005034	e088	LSR.L #8,D0
00004f6e	22321800	MOVE.L0(A2,D1.L),D1	00005036	0280000000fc	ANDI.L#\$fc,D0
00004f72	2e280200	MOVE.L512(A0),D7	0000503c	41f20800	LEA 0(A2,D0.L),A0
00004f76	bf81	EOR.L D7,D1	00005040	22321800	MOVE.L0(A2,D1.L),D1
00004f78	2003	MOVE.LD3,D0	00005044	2e280200	MOVE.L512(A0),D7
00004f7a	4240	CLR.W D0	00005048	bf81	EOR.L D7,D1
00004f7c	4840	SWAP D0	0000504a	2003	MOVE.LD3,D0
00004f7e	0280000000fc	ANDI.L#\$fc,D0	0000504c	4240	CLR.W D0
00004f84	41f20800	LEA 0(A2,D0.L),A0	0000504e	4840	SWAP D0
00004f88	2e280400	MOVE.L1024(A0),D7	00005050	0280000000fc	ANDI.L#\$fc,D0
00004f8c	bf81	EOR.L D7,D1	00005056	41f20800	LEA 0(A2,D0.L),A0
00004f8e	2003	MOVE.LD3,D0	0000505a	2e280400	MOVE.L1024(A0),D7
00004f90	4240	CLR.W D0	0000505e	bf81	EOR.L D7,D1
00004f92	4840	SWAP D0	00005060	2003	MOVE.LD3,D0
00004f94	e048	LSR.W #8,D0	00005062	4240	CLR.W D0
00004f96	0280000000fc	ANDI.L#\$fc,D0	00005064	4840	SWAP D0
00004f9c	41f20800	LEA 0(A2,D0.L),A0	00005066	e048	LSR.W #8,D0
00004fa0	2e280600	MOVE.L1536(A0),D7	00005068	0280000000fc	ANDI.L#\$fc,D0
00004fa4	bf81	EOR.L D7,D1	0000506e	41f20800	LEA 0(A2,D0.L),A0
00004fa6	2002	MOVE.LD2,D0	00005072	2e280600	MOVE.L1536(A0),D7
00004fa8	0280000000fc	ANDI.L#\$fc,D0	00005076	bf81	EOR.L D7,D1
00004fae	41f20800	LEA 0(A2,D0.L),A0	00005078	2002	MOVE.LD2,D0
00004fb2	2e280100	MOVE.L256(A0),D7	0000507a	0280000000fc	ANDI.L#\$fc,D0
00004fb6	bf81	EOR.L D7,D1	00005080	41f20800	LEA 0(A2,D0.L),A0
00004fb8	2002	MOVE.LD2,D0	00005084	2e280100	MOVE.L256(A0),D7
00004fba	e088	LSR.L #8,D0	00005088	bf81	EOR.L D7,D1
00004fbc	0280000000fc	ANDI.L#\$fc,D0	0000508a	2002	MOVE.LD2,D0
00004fc2	41f20800	LEA 0(A2,D0.L),A0	0000508c	e088	LSR.L #8,D0
00004fc6	2e280300	MOVE.L768(A0),D7	0000508e	0280000000fc	ANDI.L#\$fc,D0
00004fca	bf81	EOR.L D7,D1	00005094	41f20800	LEA 0(A2,D0.L),A0
00004fcc	2002	MOVE.LD2,D0	00005098	2e280300	MOVE.L768(A0),D7
00004fce	4240	CLR.W D0	0000509c	bf81	EOR.L D7,D1
00004fd0	4840	SWAP D0	0000509e	2002	MOVE.LD2,D0
00004fd2	0280000000fc	ANDI.L#\$fc,D0	000050a0	4240	CLR.W D0
00004fd8	41f20800	LEA 0(A2,D0.L),A0	000050a2	4840	SWAP D0
00004fdc	2e280500	MOVE.L1280(A0),D7	000050a4	0280000000fc	ANDI.L#\$fc,D0
00004fe0	bf81	EOR.L D7,D1	000050aa	41f20800	LEA 0(A2,D0.L),A0

L453
L454

000050ae	2e280500	MOVE.L1280(A0),D7	0000517e	bf81	EOR.L D7, D1
000050b2	bf81	EOR.L D7, D1	00005180	b385	EOR.L D1, D5
000050b4	2002	MOVE.LD2, D0	00005182	2629fff0	MOVE.L-16(A1), D3
000050b6	4240	CLR.W D0	00005186	bb83	EOR.L D5, D3
000050b8	4840	SWAP D0	00005188	2429fff4	MOVE.L-12(A1), D2
000050ba	e048	LSR.W #8, D0	0000518c	bb82	EOR.L D5, D2
000050bc	0280000000fc	ANDI.L#\$f, D0	0000518e	7e1c	MOVEQ #28, D7
000050c2	41f20800	LEA 0(A2, D0.L), A0	00005190	efba	ROL.L D7, D2
000050c6	2e280700	MOVE.L1792(A0), D7	00005192	2203	MOVE.LD3, D1
000050ca	bf81	EOR.L D7, D1	00005194	0281000000fc	ANDI.L#\$f, D1
000050cc	b384	EOR.L D1, D4	0000519a	2003	MOVE.LD3, D0
000050ce	2629fff8	MOVE.L-8(A1), D3	0000519c	e088	LSR.L #8, D0
000050d2	b983	EOR.L D4, D3	0000519e	0280000000fc	ANDI.L#\$f, D0
000050d4	2429fff4	MOVE.L-4(A1), D2	000051a4	41f20800	LEA 0(A2, D0.L), A0
000050d8	b982	EOR.L D4, D2	000051a8	22321800	MOVE.L0(A2, D1.L), D1
000050da	7e1c	MOVEQ #28, D7	000051ac	2e280200	MOVE.L512(A0), D7
000050dc	efba	ROL.L D7, D2	000051b0	bf81	EOR.L D7, D1
000050de	2203	MOVE.LD3, D1	000051b2	2003	MOVE.LD3, D0
000050e0	0281000000fc	ANDI.L#\$f, D1	000051b4	4240	CLR.W D0
000050e6	2003	MOVE.LD3, D0	000051b6	4840	SWAP D0
000050e8	e088	LSR.L #8, D0	000051b8	0280000000fc	ANDI.L#\$f, D0
000050ea	0280000000fc	ANDI.L#\$f, D0	000051be	41f20800	LEA 0(A2, D0.L), A0
000050f0	41f20800	LEA 0(A2, D0.L), A0	000051c2	2e280400	MOVE.L1024(A0), D7
000050f4	22321800	MOVE.L0(A2, D1.L), D1	000051c6	bf81	EOR.L D7, D1
000050f8	2e280200	MOVE.L512(A0), D7	000051c8	2003	MOVE.LD3, D0
000050fc	bf81	EOR.L D7, D1	000051ca	4240	CLR.W D0
000050fe	2003	MOVE.LD3, D0	000051cc	4840	SWAP D0
00005100	4240	CLR.W D0	000051ce	e048	LSR.W #8, D0
00005102	4840	SWAP D0	000051d0	0280000000fc	ANDI.L#\$f, D0
00005104	0280000000fc	ANDI.L#\$f, D0	000051d6	41f20800	LEA 0(A2, D0.L), A0
0000510a	41f20800	LEA 0(A2, D0.L), A0	000051da	2e280600	MOVE.L1536(A0), D7
0000510e	2e280400	MOVE.L1024(A0), D7	000051de	bf81	EOR.L D7, D1
00005112	bf81	EOR.L D7, D1	000051e0	2002	MOVE.LD2, D0
00005114	2003	MOVE.LD3, D0	000051e2	0280000000fc	ANDI.L#\$f, D0
00005116	4240	CLR.W D0	000051e8	41f20800	LEA 0(A2, D0.L), A0
00005118	4840	SWAP D0	000051ec	2e280100	MOVE.L256(A0), D7
0000511a	e048	LSR.W #8, D0	000051f0	bf81	EOR.L D7, D1
0000511c	0280000000fc	ANDI.L#\$f, D0	000051f2	2002	MOVE.LD2, D0
00005122	41f20800	LEA 0(A2, D0.L), A0	000051f4	e088	LSR.L #8, D0
00005126	2e280600	MOVE.L1536(A0), D7	000051f6	0280000000fc	ANDI.L#\$f, D0
0000512a	bf81	EOR.L D7, D1	000051fc	41f20800	LEA 0(A2, D0.L), A0
0000512c	2002	MOVE.LD2, D0	00005200	2e280300	MOVE.L768(A0), D7
0000512e	0280000000fc	ANDI.L#\$f, D0	00005204	bf81	EOR.L D7, D1
00005134	41f20800	LEA 0(A2, D0.L), A0	00005206	2002	MOVE.LD2, D0
00005138	2e280100	MOVE.L256(A0), D7	00005208	4240	CLR.W D0
0000513c	bf81	EOR.L D7, D1	0000520a	4840	SWAP D0
0000513e	2002	MOVE.LD2, D0	0000520c	0280000000fc	ANDI.L#\$f, D0
00005140	e088	LSR.L #8, D0	00005212	41f20800	LEA 0(A2, D0.L), A0
00005142	0280000000fc	ANDI.L#\$f, D0	00005216	2e280500	MOVE.L1280(A0), D7
00005148	41f20800	LEA 0(A2, D0.L), A0	0000521a	bf81	EOR.L D7, D1
0000514c	2e280300	MOVE.L768(A0), D7	0000521c	2002	MOVE.LD2, D0
00005150	bf81	EOR.L D7, D1	0000521e	4240	CLR.W D0
00005152	2002	MOVE.LD2, D0	00005220	4840	SWAP D0
00005154	4240	CLR.W D0	00005222	e048	LSR.W #8, D0
00005156	4840	SWAP D0	00005224	0280000000fc	ANDI.L#\$f, D0
00005158	0280000000fc	ANDI.L#\$f, D0	0000522a	41f20800	LEA 0(A2, D0.L), A0
0000515e	41f20800	LEA 0(A2, D0.L), A0	0000522e	2e280700	MOVE.L1792(A0), D7
00005162	2e280500	MOVE.L1280(A0), D7	00005232	bf81	EOR.L D7, D1
00005166	bf81	EOR.L D7, D1	00005234	b384	EOR.L D1, D4
00005168	2002	MOVE.LD2, D0	00005236	2629ffe8	MOVE.L-24(A1), D3
0000516a	4240	CLR.W D0	0000523a	b983	EOR.L D4, D3
0000516c	4840	SWAP D0	0000523c	2429ffec	MOVE.L-20(A1), D2
0000516e	e048	LSR.W #8, D0	00005240	b982	EOR.L D4, D2
00005170	0280000000fc	ANDI.L#\$f, D0	00005242	7e1c	MOVEQ #28, D7
00005176	41f20800	LEA 0(A2, D0.L), A0	00005244	efba	ROL.L D7, D2
0000517a	2e280700	MOVE.L1792(A0), D7	00005246	2203	MOVE.LD3, D1

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00005248 0281000000fc ANDI.L#$fc,D1
0000524e 2003 MOVE.LD3,D0
00005250 e088 LSR.L #8,D0
00005252 0280000000fc ANDI.L#$fc,D0
00005258 41f20800 LEA 0(A2,D0.L),A0
0000525c 22321800 MOVE.L0(A2,D1.L),D1
00005260 2e280200 MOVE.L512(A0),D7
00005264 bf81 EOR.L D7,D1
00005266 2003 MOVE.LD3,D0
00005268 4240 CLR.W D0
0000526a 4840 SWAP D0
0000526c 0280000000fc ANDI.L#$fc,D0
00005272 41f20800 LEA 0(A2,D0.L),A0
00005276 2e280400 MOVE.L1024(A0),D7
0000527a bf81 EOR.L D7,D1
0000527c 2003 MOVE.LD3,D0
0000527e 4240 CLR.W D0
00005280 4840 SWAP D0
00005282 e048 LSR.W #8,D0
00005284 0280000000fc ANDI.L#$fc,D0
0000528a 41f20800 LEA 0(A2,D0.L),A0
0000528e 2e280600 MOVE.L1536(A0),D7
00005292 bf81 EOR.L D7,D1
00005294 2002 MOVE.LD2,D0
00005296 0280000000fc ANDI.L#$fc,D0
0000529c 41f20800 LEA 0(A2,D0.L),A0
000052a0 2e280100 MOVE.L256(A0),D7
000052a4 bf81 EOR.L D7,D1
000052a6 2002 MOVE.LD2,D0
000052a8 e088 LSR.L #8,D0
000052aa 0280000000fc ANDI.L#$fc,D0
000052b0 41f20800 LEA 0(A2,D0.L),A0
000052b4 2e280300 MOVE.L768(A0),D7
000052b8 bf81 EOR.L D7,D1
000052ba 2002 MOVE.LD2,D0
000052bc 4240 CLR.W D0
000052be 4840 SWAP D0
000052c0 0280000000fc ANDI.L#$fc,D0
000052c6 41f20800 LEA 0(A2,D0.L),A0
000052ca 2e280500 MOVE.L1280(A0),D7
000052ce bf81 EOR.L D7,D1
000052d0 2002 MOVE.LD2,D0
000052d2 4240 CLR.W D0
000052d4 4840 SWAP D0
000052d6 e048 LSR.W #8,D0
000052d8 0280000000fc ANDI.L#$fc,D0
000052de 41f20800 LEA 0(A2,D0.L),A0
000052e2 2e280700 MOVE.L1792(A0),D7
000052e6 bf81 EOR.L D7,D1
000052e8 b385 EOR.L D1,D5
000052ea 5146 SUBQ.W#8,D6
000052ec 4a46 TST.W D6
000052ee 6e00fd1c BGT L454
000052f2 2004 MOVE.LD4,D0
000052f4 7e1d MOVEQ #29,D7
000052f6 efb8 ROL.L D7,D0
000052f8 266e0008 MOVEA.L 8(A6),A3
000052fc 2680 MOVE.LD0,(A3)
000052fe 2005 MOVE.LD5,D0
00005300 efb8 ROL.L D7,D0
00005302 27400004 MOVE.LD0,4(A3)
00005306 4cee0cf8ffe0 MOVEM.L -32(A6),D3-D7/A2/A3
0000530c 4e5e UNLK A6
0000530e 4e75 RTS

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L455

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00005310 4e560000 LINK A6,#0

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00005314 48e71c20
00005318 246e0008
0000531c 262e0010
00005320 282e0014
00005324 2412
00005326 2a2a0004
0000532a 2005
0000532c e888
0000532e b580
00005330 2200
00005332 02810f0f0f0f
00005338 b382
0000533a 2001
0000533c e980
0000533e b185
00005340 2002
00005342 4240
00005344 4840
00005346 bb80
00005348 2200
0000534a 02810000ffff
00005350 b385
00005352 2001
00005354 4840
00005356 4240
00005358 b182
0000535a 2005
0000535c e488
0000535e b580
00005360 2200
00005362 028133333333
00005368 b382
0000536a 2001
0000536c e580
0000536e b185
00005370 2002
00005372 e088
00005374 bb80
00005376 2200
00005378 028100ff00ff
0000537e b385
00005380 2001
00005382 e180
00005384 b182
00005386 2005
00005388 e288
0000538a b580
0000538c 2200
0000538e 028155555555
00005394 2001
00005396 d080
00005398 b382
0000539a 2482
0000539c b185
0000539e 25450004
000053a2 3f3c0001
000053a6 2f2e000c
000053aa 2f0a
000053ac 6100f946
000053b0 4267
000053b2 2f03
000053b4 2f0a
000053b6 6100f93c
000053ba 3f3c0001
000053be 2f04
000053c0 2f0a

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MOVEM.L D3-D5/A2,-(SP)
MOVEA.L 8(A6),A2
MOVE.L16(A6),D3
MOVE.L20(A6),D4
MOVE.L(A2),D2
MOVE.L4(A2),D5
MOVE.LD5,D0
LSR.L #4,D0
EOR.L D2,D0
MOVE.LD0,D1
ANDI.L#$f0f0f0f,D1
EOR.L D1,D2
MOVE.LD1,D0
ASL.L #4,D0
EOR.L D0,D5
MOVE.LD2,D0
CLR.W D0
SWAP D0
EOR.L D5,D0
MOVE.LD0,D1
ANDI.L#$ffff,D1
EOR.L D1,D5
MOVE.LD1,D0
SWAP D0
CLR.W D0
EOR.L D0,D2
MOVE.LD5,D0
LSR.L #2,D0
EOR.L D2,D0
MOVE.LD0,D1
ANDI.L#$33333333,D1
EOR.L D1,D2
MOVE.LD1,D0
ASL.L #2,D0
EOR.L D0,D5
MOVE.LD2,D0
LSR.L #8,D0
EOR.L D5,D0
MOVE.LD0,D1
ANDI.L#$fff00ff,D1
EOR.L D1,D5
MOVE.LD1,D0
ASL.L #8,D0
EOR.L D0,D2
MOVE.LD5,D0
LSR.L #1,D0
EOR.L D2,D0
MOVE.LD0,D1
ANDI.L#$55555555,D1
MOVE.LD1,D0
ADD.L D0,D0
EOR.L D1,D2
MOVE.LD2,(A2)
EOR.L D0,D5
MOVE.LD5,4(A2)
MOVE.W#1,-(SP)
MOVE.L12(A6),-(SP)
MOVE.LA2,-(SP)
BSR L451
CLR.W -(SP)
MOVE.LD3,-(SP)
MOVE.LA2,-(SP)
BSR L451
MOVE.W#1,-(SP)
MOVE.LD4,-(SP)
MOVE.LA2,-(SP)

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000053c2	6100f930	BSR L451	0000546e	2200	MOVE.LD0, D1
000053c6	2412	MOVE.L (A2), D2	00005470	02810f0f0f0f	ANDI.L#\$f0f0f0f, D1
000053c8	2a2a0004	MOVE.L4 (A2), D5	00005476	b382	EOR.L D1, D2
000053cc	2005	MOVE.LD5, D0	00005478	2001	MOVE.LD1, D0
000053ce	e288	LSR.L #1, D0	0000547a	e980	ASL.L #4, D0
000053d0	b580	EOR.L D2, D0	0000547c	b185	EOR.L D0, D5
000053d2	2200	MOVE.LD0, D1	0000547e	2002	MOVE.LD2, D0
000053d4	028155555555	ANDI.L#\$55555555, D1	00005480	4240	CLR.W D0
000053da	b382	EOR.L D1, D2	00005482	4840	SWAP D0
000053dc	2001	MOVE.LD1, D0	00005484	bb80	EOR.L D5, D0
000053de	d080	ADD.L D0, D0	00005486	2200	MOVE.LD0, D1
000053e0	b185	EOR.L D0, D5	00005488	02810000ffff	ANDI.L#\$ffff, D1
000053e2	2002	MOVE.LD2, D0	0000548e	b385	EOR.L D1, D5
000053e4	e088	LSR.L #8, D0	00005490	2001	MOVE.LD1, D0
000053e6	bb80	EOR.L D5, D0	00005492	4840	SWAP D0
000053e8	2200	MOVE.LD0, D1	00005494	4240	CLR.W D0
000053ea	028100ff00ff	ANDI.L#\$fff00ff, D1	00005496	b182	EOR.L D0, D2
000053f0	b385	EOR.L D1, D5	00005498	2005	MOVE.LD5, D0
000053f2	2001	MOVE.LD1, D0	0000549a	e488	LSR.L #2, D0
000053f4	e180	ASL.L #8, D0	0000549c	b580	EOR.L D2, D0
000053f6	b182	EOR.L D0, D2	0000549e	2200	MOVE.LD0, D1
000053f8	2005	MOVE.LD5, D0	000054a0	028133333333	ANDI.L#\$33333333, D1
000053fa	e488	LSR.L #2, D0	000054a6	b382	EOR.L D1, D2
000053fc	b580	EOR.L D2, D0	000054a8	2001	MOVE.LD1, D0
000053fe	2200	MOVE.LD0, D1	000054aa	e580	ASL.L #2, D0
00005400	028133333333	ANDI.L#\$33333333, D1	000054ac	b185	EOR.L D0, D5
00005406	b382	EOR.L D1, D2	000054ae	2002	MOVE.LD2, D0
00005408	2001	MOVE.LD1, D0	000054b0	e088	LSR.L #8, D0
0000540a	e580	ASL.L #2, D0	000054b2	bb80	EOR.L D5, D0
0000540c	b185	EOR.L D0, D5	000054b4	2200	MOVE.LD0, D1
0000540e	2002	MOVE.LD2, D0	000054b6	028100ff00ff	ANDI.L#\$ff00ff, D1
00005410	4240	CLR.W D0	000054bc	b385	EOR.L D1, D5
00005412	4840	SWAP D0	000054be	2001	MOVE.LD1, D0
00005414	bb80	EOR.L D5, D0	000054c0	e180	ASL.L #8, D0
00005416	2200	MOVE.LD0, D1	000054c2	b182	EOR.L D0, D2
00005418	02810000ffff	ANDI.L#\$ffff, D1	000054c4	2005	MOVE.LD5, D0
0000541e	b385	EOR.L D1, D5	000054c6	e288	LSR.L #1, D0
00005420	2001	MOVE.LD1, D0	000054c8	b580	EOR.L D2, D0
00005422	4840	SWAP D0	000054ca	2200	MOVE.LD0, D1
00005424	4240	CLR.W D0	000054cc	028155555555	ANDI.L#\$55555555, D1
00005426	b182	EOR.L D0, D2	000054d2	2001	MOVE.LD1, D0
00005428	2005	MOVE.LD5, D0	000054d4	d080	ADD.L D0, D0
0000542a	e888	LSR.L #4, D0	000054d6	b382	EOR.L D1, D2
0000542c	b580	EOR.L D2, D0	000054d8	2482	MOVE.LD2, (A2)
0000542e	2200	MOVE.LD0, D1	000054da	b185	EOR.L D0, D5
00005430	02810f0f0f0f	ANDI.L#\$f0f0f0f, D1	000054dc	25450004	MOVE.LD5, 4 (A2)
00005436	2001	MOVE.LD1, D0	000054e0	4267	CLR.W - (SP)
00005438	e980	ASL.L #4, D0	000054e2	2f2e0014	MOVE.L20 (A6), - (SP)
0000543a	b382	EOR.L D1, D2	000054e6	2f0a	MOVE.LA2, - (SP)
0000543c	2482	MOVE.LD2, (A2)	000054e8	6100f80a	BSR L451
0000543e	b185	EOR.L D0, D5	000054ec	3f3c0001	MOVE.W#1, - (SP)
00005440	25450004	MOVE.LD5, 4 (A2)	000054f0	2f03	MOVE.LD3, - (SP)
00005444	4cee0438ffff	MOVEM.L -16 (A6), D3-D5/A2	000054f2	2f0a	MOVE.LA2, - (SP)
0000544a	4e5e	UNLK A6	000054f4	6100f7fe	BSR L451
0000544c	4e75	RTS	000054f8	4267	CLR.W - (SP)
-----	-----	-----	000054fa	2f04	MOVE.LD4, - (SP)
0000544e	4e560000	LINK A6, #0	000054fc	2f0a	MOVE.LA2, - (SP)
00005452	48e71c20	MOVEM.L D3-D5/A2, - (SP)	000054fe	6100f7f4	BSR L451
00005456	246e0008	MOVEA.L 8 (A6), A2	00005502	2412	MOVE.L (A2), D2
0000545a	282e000c	MOVE.L12 (A6), D4	00005504	2a2a0004	MOVE.L4 (A2), D5
0000545e	262e0010	MOVE.L16 (A6), D3	00005508	2005	MOVE.LD5, D0
00005462	2412	MOVE.L (A2), D2	0000550a	e288	LSR.L #1, D0
00005464	2a2a0004	MOVE.L4 (A2), D5	0000550c	b580	EOR.L D2, D0
00005468	2005	MOVE.LD5, D0	0000550e	2200	MOVE.LD0, D1
0000546a	e888	LSR.L #4, D0	00005510	028155555555	ANDI.L#\$55555555, D1
0000546c	b580	EOR.L D2, D0	00005516	b382	EOR.L D1, D2

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00005518 2001 MOVE.LD1,D0
0000551a d080 ADD.L D0,D0
0000551c b185 EOR.L D0,D5
0000551e 2002 MOVE.LD2,D0
00005520 e088 LSR.L #8,D0
00005522 bb80 EOR.L D5,D0
00005524 2200 MOVE.LD0,D1
00005526 028100ff00ff ANDI.L#$ff00ff,D1
0000552c b385 EOR.L D1,D5
0000552e 2001 MOVE.LD1,D0
00005530 e180 ASL.L #8,D0
00005532 b182 EOR.L D0,D2
00005534 2005 MOVE.LD5,D0
00005536 e488 LSR.L #2,D0
00005538 b580 EOR.L D2,D0
0000553a 2200 MOVE.LD0,D1
0000553c 028133333333 ANDI.L#$33333333,D1
00005542 b382 EOR.L D1,D2
00005544 2001 MOVE.LD1,D0
00005546 e580 ASL.L #2,D0
00005548 b185 EOR.L D0,D5
0000554a 2002 MOVE.LD2,D0
0000554c 4240 CLR.W D0
0000554e 4840 SWAP D0
00005550 bb80 EOR.L D5,D0
00005552 2200 MOVE.LD0,D1
00005554 02810000ffff ANDI.L#$ffff,D1
0000555a b385 EOR.L D1,D5
0000555c 2001 MOVE.LD1,D0
0000555e 4840 SWAP D0
00005560 4240 CLR.W D0
00005562 b182 EOR.L D0,D2
00005564 2005 MOVE.LD5,D0
00005566 e888 LSR.L #4,D0
00005568 b580 EOR.L D2,D0
0000556a 2200 MOVE.LD0,D1
0000556c 02810f0f0f0f ANDI.L#$f0f0f0f,D1
00005572 2001 MOVE.LD1,D0
00005574 e980 ASL.L #4,D0
00005576 b382 EOR.L D1,D2
00005578 2482 MOVE.LD2,(A2)
0000557a b185 EOR.L D0,D5
0000557c 25450004 MOVE.LD5,4(A2)
00005580 4cee0438ffff MOVEM.L -16(A6),D3-D5/A2
00005586 4e5e UNLK A6
00005588 4e75 RTS
;-----
0000558a 0000 DC.W #0
0000558c 4d44352070617274206f DC.B 'MD5 part of SSLeay
0.8.1 19-Jul-1997'
00005596 662053534c6561792030
000055a0 2e382e312031392d4a75
000055aa 6c2d31393937
000055b0 0000 DC.W #0
000055b2 4e560000 LINK A6,#0
000055b6 206e0008 MOVEA.L 8(A6),A0
000055ba 20bc67452301 MOVE.L#$67452301,(A0)
000055c0 217cefcdab890004 MOVE.L#-$10325477,4(A0)
000055c8 217c98badcfe0008 MOVE.L#-$67452302,8(A0)
000055d0 217c10325476000c MOVE.L#$10325476,12(A0)
000055d8 42a80010 CLR.L 16(A0)
000055dc 42a80014 CLR.L 20(A0)
000055e0 42680058 CLR.W 88(A0)
000055e4 4e5e UNLK A6
000055e6 4e75 RTS
;-----

```

MDS-Init
MDS prep.
A6 = 1B078

-74FE2

B

*A6 = 67452301EFC DAB81
98 BADCFE1032 5476
C
D

MD5-update
length
data
-A6?
if data is null
exit

```

000055e8 4e56fff8
000055ec 48e71f30
000055f0 2a2e0008
000055f4 246e000c
000055f8 206e0010
000055fc b0fc0000
00005600 6700039a
00005604 2208
00005606 e781
00005608 2245
0000560a 20290010
0000560e 2400
00005610 d481
00005612 b082
00005614 6304
00005616 52a90014
0000561a 2008
0000561c 7e1d
0000561e eea8
00005620 2245
00005622 d1a90014
00005624 23420010
00005626 34290058
00005628 67000222
00005632 47e90018
00005636 3602
00005638 e443
0000563a 3202
0000563c 02410003
00005640 43f02000
00005644 2009
00005646 7e3f
00005648 be80
0000564a 640000be
0000564c 3003
0000564e 48c0
00005652 e580
00005654 24330800
00005658 0c410001
0000565c 671e
0000565e 6e08
00005660 4a41
00005662 6714
00005664 60000034
00005668 0c410002
0000566c 6716
0000566e 0c410003
00005672 671a
00005674 60000024
00005678 4282
0000567a 141a
0000567c 4280
0000567e 101a
00005680 e180
00005682 8480
00005684 4280
00005686 101a
00005688 4840
0000568a 4240
0000568c 8480
0000568e 4280
00005690 101a
00005692 e140
00005694 4840
00005696 4240
00005698 8480

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L457
L458
L459
L460
L461
L462
L463

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LINK A6,#-8
MOVEM.L D3-D5/A2/A3,-(SP)
MOVE.L8(A6),D5
MOVEA.L 12(A6),A2
MOVEA.L 16(A6),A0
CMPA.W#0,A0
BEQ L495
MOVE.LA0,D1
ASL.L #3,D1
MOVEA.L D5,A1
MOVE.L16(A1),D0
MOVE.LD0,D2
ADD.L D1,D2
CMP.L D2,D0
BLS L458
ADDQ.L#1,20(A1)
MOVE.LA0,D0
MOVEQ #29,D7
LSR.L D7,D0
MOVEA.L D5,A1
ADD.L D0,20(A1)
MOVE.LD2,16(A1)
MOVE.W88(A1),D2
BEQ L485
LEA 24(A1),A3
MOVE.WD2,D3
ASR.W #2,D3
MOVE.WD2,D1
ANDI.W#3,D1
LEA 0(A0,D2.W),A1
MOVE.LA1,D0
MOVEQ #63,D7
CMP.L D0,D7
ECC L467
MOVE.WD3,D0
EXT.L D0
ASL.L #2,D0
MOVE.L0(A3,D0.L),D2
CMPI.W#1,D1
BEQ L461
BGT L459
TST.W D1
BEQ L460
BRA L464
CMPI.W#2,D1
BEQ L462
CMPI.W#3,D1
BEQ L463
BRA L464
CLR.L D2
MOVE.B(A2)+,D2
CLR.L D0
MOVE.B(A2)+,D0
ASL.L #8,D0
OR.L D0,D2
CLR.L D0
MOVE.B(A2)+,D0
SWAP D0
CLR.W D0
OR.L D0,D2
CLR.L D0
MOVE.B(A2)+,D0
ASL.W #8,D0
SWAP D0
CLR.W D0
OR.L D0,D2

```

initialization vector (as in RFC1321)

0000569a	3003	L464	MOVE.WD3, D0	0000573e	60000104		BRA L484
0000569c	48c0		EXT.L D0	00005742	4282	L469	CLR.L D2
0000569e	e580		ASL.L #2, D0	00005744	141a		MOVE.B (A2)+, D2
000056a0	27820800		MOVE.LD2, 0 (A3, D0.L)	00005746	5348		SUBQ.W#1, A0
000056a4	5243		ADDQ.W#1, D3	00005748	b0fc0000		CMPA.W#0, A0
000056a6	0c43000f		CMPI.W#\$f, D3	0000574c	670000f6		BEQ L484
000056aa	6e38		BGT L466	00005750	4280	L470	CLR.L D0
000056ac	7800		MOVEQ #0, D4	00005752	101a		MOVE.B (A2)+, D0
000056ae	4282	L465	CLR.L D2	00005754	e180		ASL.L #8, D0
000056b0	141a		MOVE.B (A2)+, D2	00005756	8480		OR.L D0, D2
000056b2	101a		MOVE.B (A2)+, D0	00005758	7e01		MOVEQ #1, D7
000056b4	1800		MOVE.BD0, D4	0000575a	be88		CMP.L A0, D7
000056b6	2004		MOVE.LD4, D0	0000575c	670000e6		BEQ L484
000056b8	e180		ASL.L #8, D0	00005760	4280	L471	CLR.L D0
000056ba	8480		OR.L D0, D2	00005762	1012		MOVE.B (A2), D0
000056bc	4280		CLR.L D0	00005764	4840		SWAP D0
000056be	101a		MOVE.B (A2)+, D0	00005766	4240		CLR.W D0
000056c0	4840		SWAP D0	00005768	8480		OR.L D0, D2
000056c2	4240		CLR.W D0	0000576a	600000d8		BRA L484
000056c4	8480		OR.L D0, D2	0000576e	3c02	L472	MOVE.WD2, D6
000056c6	4281		CLR.L D1	00005770	e446		ASR.W #2, D6
000056c8	121a		MOVE.B (A2)+, D1	00005772	3a02		MOVE.WD2, D5
000056ca	e141		ASL.W #8, D1	00005774	02450003		ANDI.W#3, D5
000056cc	4841		SWAP D1	00005778	3003		MOVE.WD3, D0
000056ce	4241		CLR.W D1	0000577a	48c0		EXT.L D0
000056d0	3003		MOVE.WD3, D0	0000577c	e580		ASL.L #2, D0
000056d2	48c0		EXT.L D0	0000577e	24330800		MOVE.L0 (A3, D0.L), D2
000056d4	e580		ASL.L #2, D0	00005782	0c410001		CMPI.W#1, D1
000056d6	8481		OR.L D1, D2	00005786	671e		BEQ L475
000056d8	27820800		MOVE.LD2, 0 (A3, D0.L)	00005788	6e08		BGT L473
000056dc	5243		ADDQ.W#1, D3	0000578a	4a41		TST.W D1
000056de	0c43000f		CMPI.W#\$f, D3	0000578c	6714		BEQ L474
000056e2	6fca		BLE L465	0000578e	60000034		BRA L478
000056e4	7040	L466	MOVEQ #64, D0	00005792	0c410002	L473	CMPI.W#2, D1
000056e6	2245		MOVEA.L D5, A1	00005796	6716		BEQ L476
000056e8	90690058		SUB.W 88 (A1), D0	00005798	0c410003		CMPI.W#3, D1
000056ec	90c0		SUBA.WD0, A0	0000579c	671a		BEQ L477
000056ee	2f0b		MOVE.LA3, -(SP)	0000579e	60000024		BRA L478
000056f0	2f05		MOVE.LD5, -(SP)	000057a2	4282	L474	CLR.L D2
000056f2	2d48ffff		MOVE.LA0, -4 (A6)	000057a4	141a		MOVE.B (A2)+, D2
000056f6	610002ae		BSR L496	000057a6	4280	L475	CLR.L D0
000056fa	2245		MOVEA.L D5, A1	000057a8	101a		MOVE.B (A2)+, D0
000056fc	42690058		CLR.W 88 (A1)	000057aa	e180		ASL.L #8, D0
00005700	504f		ADDQ.W#8, SP	000057ac	8480		OR.L D0, D2
00005702	206efffc		MOVEA.L -4 (A6), A0	000057ae	4280	L476	CLR.L D0
00005706	6000014a		BRA L485	000057b0	101a		MOVE.B (A2)+, D0
0000570a	d448	L467	ADD.W A0, D2	000057b2	4840		SWAP D0
0000570c	2245		MOVEA.L D5, A1	000057b4	4240		CLR.W D0
0000570e	33420058		MOVE.WD2, 88 (A1)	000057b6	8480		OR.L D0, D2
00005712	43f01000		LEA 0 (A0, D1.W), A1	000057b8	4280	L477	CLR.L D0
00005716	2009		MOVE.LA1, D0	000057ba	101a		MOVE.B (A2)+, D0
00005718	7e03		MOVEQ #3, D7	000057bc	e140		ASL.W #8, D0
0000571a	be80		CMP.L D0, D7	000057be	4840		SWAP D0
0000571c	6550		BCS L472	000057c0	4240		CLR.W D0
0000571e	3003		MOVE.WD3, D0	000057c2	8480		OR.L D0, D2
00005720	48c0		EXT.L D0	000057c4	3003	L478	MOVE.WD3, D0
00005722	e580		ASL.L #2, D0	000057c6	48c0		EXT.L D0
00005724	24330800		MOVE.L0 (A3, D0.L), D2	000057c8	e580		ASL.L #2, D0
00005728	0c410001		CMPI.W#1, D1	000057ca	27820800		MOVE.LD2, 0 (A3, D0.L)
0000572c	6722		BEQ L470	000057ce	5243		ADDQ.W#1, D3
0000572e	6e08		BGT L468	000057d0	bc43		CMP.W D3, D6
00005730	4a41		TST.W D1	000057d2	6f36		BLE L480
00005732	670e		BEQ L469	000057d4	7800		MOVEQ #0, D4
00005734	6000010e		BRA L484	000057d8	4282	L479	CLR.L D2
00005738	0c410002	L468	CMPI.W#2, D1	000057da	141a		MOVE.B (A2)+, D2
0000573c	6722		BEQ L471	000057da	101a		MOVE.B (A2)+, D0

000057dc	1800	MOVE.BD0,D4
000057de	2004	MOVE.LD4,D0
000057e0	e180	ASL.L #8,D0
000057e2	8480	OR.L D0,D2
000057e4	4280	CLR.L D0
000057e6	101a	MOVE.B(A2)+,D0
000057e8	4840	SWAP D0
000057ea	4240	CLR.W D0
000057ec	8480	OR.L D0,D2
000057ee	4281	CLR.L D1
000057f0	121a	MOVE.B(A2)+,D1
000057f2	e141	ASL.W #8,D1
000057f4	4841	SWAP D1
000057f6	4241	CLR.W D1
000057f8	3003	MOVE.WD3,D0
000057fa	48c0	EXT.L D0
000057fc	e580	ASL.L #2,D0
000057fe	8481	OR.L D1,D2
00005800	27820800	MOVE.LD2,0(A3,D0.L)
00005804	5243	ADDQ.W#1,D3
00005806	bc43	CMP.W D3,D6
00005808	6ecc	BGT L479
0000580a	4a45	TST.W D5
0000580c	6700018e	BEQ L495
00005810	7400	MOVEQ #0,D2
00005812	3045	MOVEA.W D5,A0
00005814	d5c8	ADDA.LA0,A2
00005816	0c450002	CMPI.W#2,D5
0000581a	671c	BEQ L482
0000581c	6e0a	BGT L481
0000581e	0c450001	CMPI.W#1,D5
00005822	671c	BEQ L483
00005824	6000001e	BRA L484
00005828	0c450003	CMPI.W#3,D5
0000582c	6616	BNE L484
0000582e	4280	CLR.L D0
00005830	1022	MOVE.B-(A2),D0
00005832	2400	MOVE.LD0,D2
00005834	4842	SWAP D2
00005836	4242	CLR.W D2
00005838	4280	CLR.L D0
0000583a	1022	MOVE.B-(A2),D0
0000583c	e180	ASL.L #8,D0
0000583e	8480	OR.L D0,D2
00005840	842affff	OR.B -1(A2),D2
00005844	3003	MOVE.WD3,D0
00005846	48c0	EXT.L D0
00005848	e580	ASL.L #2,D0
0000584a	27820800	MOVE.LD2,0(A3,D0.L)
0000584e	6000014c	BRA L495
00005852	2245	MOVEA.L D5,A1
00005854	47e90018	LEA 24(A1),A3
00005858	7e3f	MOVEQ #63,D7
0000585a	be88	CMP.L A0,D7
0000585c	640000c6	BCC L488
00005860	7800	MOVEQ #0,D4
00005862	7604	MOVEQ #4,D3
00005864	7200	MOVEQ #0,D1
00005866	4282	CLR.L D2
00005868	141a	MOVE.B(A2)+,D2
0000586a	101a	MOVE.B(A2)+,D0
0000586c	1200	MOVE.BD0,D1
0000586e	2001	MOVE.LD1,D0
00005870	e180	ASL.L #8,D0
00005872	8480	OR.L D0,D2
00005874	101a	MOVE.B(A2)+,D0

L480

L481

L482

L483

L484

L485

L486

L487

00005876	1800	MOVE.BD0,D4
00005878	2004	MOVE.LD4,D0
0000587a	4840	SWAP D0
0000587c	4240	CLR.W D0
0000587e	8480	OR.L D0,D2
00005880	4280	CLR.L D0
00005882	101a	MOVE.B(A2)+,D0
00005884	e140	ASL.W #8,D0
00005886	4840	SWAP D0
00005888	4240	CLR.W D0
0000588a	8480	OR.L D0,D2
0000588c	26c2	MOVE.LD2,(A3)+
0000588e	4282	CLR.L D2
00005890	141a	MOVE.B(A2)+,D2
00005892	4280	CLR.L D0
00005894	101a	MOVE.B(A2)+,D0
00005896	e180	ASL.L #8,D0
00005898	8480	OR.L D0,D2
0000589a	4280	CLR.L D0
0000589c	101a	MOVE.B(A2)+,D0
0000589e	4840	SWAP D0
000058a0	4240	CLR.W D0
000058a2	8480	OR.L D0,D2
000058a4	4280	CLR.L D0
000058a6	101a	MOVE.B(A2)+,D0
000058a8	e140	ASL.W #8,D0
000058aa	4840	SWAP D0
000058ac	4240	CLR.W D0
000058ae	8480	OR.L D0,D2
000058b0	26c2	MOVE.LD2,(A3)+
000058b2	4282	CLR.L D2
000058b4	141a	MOVE.B(A2)+,D2
000058b6	4280	CLR.L D0
000058b8	101a	MOVE.B(A2)+,D0
000058ba	e180	ASL.L #8,D0
000058bc	8480	OR.L D0,D2
000058be	4280	CLR.L D0
000058c0	101a	MOVE.B(A2)+,D0
000058c2	4840	SWAP D0
000058c4	4240	CLR.W D0
000058c6	8480	OR.L D0,D2
000058c8	4280	CLR.L D0
000058ca	101a	MOVE.B(A2)+,D0
000058cc	e140	ASL.W #8,D0
000058ce	4840	SWAP D0
000058d0	4240	CLR.W D0
000058d2	8480	OR.L D0,D2
000058d4	26c2	MOVE.LD2,(A3)+
000058d6	4282	CLR.L D2
000058d8	141a	MOVE.B(A2)+,D2
000058da	4280	CLR.L D0
000058dc	101a	MOVE.B(A2)+,D0
000058de	e180	ASL.L #8,D0
000058e0	8480	OR.L D0,D2
000058e2	4280	CLR.L D0
000058e4	101a	MOVE.B(A2)+,D0
000058e6	4840	SWAP D0
000058e8	4240	CLR.W D0
000058ea	8480	OR.L D0,D2
000058ec	4280	CLR.L D0
000058ee	101a	MOVE.B(A2)+,D0
000058f0	e140	ASL.W #8,D0
000058f2	4840	SWAP D0
000058f4	4240	CLR.W D0
000058f6	8480	OR.L D0,D2
000058f8	26c2	MOVE.LD2,(A3)+

00005876	1800	MOVE.BD0,D4
00005878	2004	MOVE.LD4,D0
0000587a	4840	SWAP D0
0000587c	4240	CLR.W D0
0000587e	8480	OR.L D0,D2
00005880	4280	CLR.L D0
00005882	101a	MOVE.B(A2)+,D0
00005884	e140	ASL.W #8,D0
00005886	4840	SWAP D0
00005888	4240	CLR.W D0
0000588a	8480	OR.L D0,D2
0000588c	26c2	MOVE.LD2,(A3)+
0000588e	4282	CLR.L D2
00005890	141a	MOVE.B(A2)+,D2
00005892	4280	CLR.L D0
00005894	101a	MOVE.B(A2)+,D0
00005896	e180	ASL.L #8,D0
00005898	8480	OR.L D0,D2
0000589a	4280	CLR.L D0
0000589c	101a	MOVE.B(A2)+,D0
0000589e	4840	SWAP D0
000058a0	4240	CLR.W D0
000058a2	8480	OR.L D0,D2
000058a4	4280	CLR.L D0
000058a6	101a	MOVE.B(A2)+,D0
000058a8	e140	ASL.W #8,D0
000058aa	4840	SWAP D0
000058ac	4240	CLR.W D0
000058ae	8480	OR.L D0,D2
000058b0	26c2	MOVE.LD2,(A3)+
000058b2	4282	CLR.L D2
000058b4	141a	MOVE.B(A2)+,D2
000058b6	4280	CLR.L D0
000058b8	101a	MOVE.B(A2)+,D0
000058ba	e180	ASL.L #8,D0
000058bc	8480	OR.L D0,D2
000058be	4280	CLR.L D0
000058c0	101a	MOVE.B(A2)+,D0
000058c2	4840	SWAP D0
000058c4	4240	CLR.W D0
000058c6	8480	OR.L D0,D2
000058c8	4280	CLR.L D0
000058ca	101a	MOVE.B(A2)+,D0
000058cc	e140	ASL.W #8,D0
000058ce	4840	SWAP D0
000058d0	4240	CLR.W D0
000058d2	8480	OR.L D0,D2
000058d4	26c2	MOVE.LD2,(A3)+
000058d6	4282	CLR.L D2
000058d8	141a	MOVE.B(A2)+,D2
000058da	4280	CLR.L D0
000058dc	101a	MOVE.B(A2)+,D0
000058de	e180	ASL.L #8,D0
000058e0	8480	OR.L D0,D2
000058e2	4280	CLR.L D0
000058e4	101a	MOVE.B(A2)+,D0
000058e6	4840	SWAP D0
000058e8	4240	CLR.W D0
000058ea	8480	OR.L D0,D2
000058ec	4280	CLR.L D0
000058ee	101a	MOVE.B(A2)+,D0
000058f0	e140	ASL.W #8,D0
000058f2	4840	SWAP D0
000058f4	4240	CLR.W D0
000058f6	8480	OR.L D0,D2
000058f8	26c2	MOVE.LD2,(A3)+

753cc

000058fa	5343	SUBQ.W#1,D3		0000599c	4cee0cf8ffdc		MOVEM.L	-36(A6),D3-D7/A2/A3
000058fc	6600ff68	BNE L487		000059a2	4e5e		UNLK A6	
00005900	2245	MOVEA.L D5,A1		000059a4	4e75		RTS	
00005902	47e90018	LEA 24(A1),A3						
00005906	2f0b	MOVE.LA3,-(SP)		000059a6	4e56fffd0	L496	LINK A6,#-48	
00005908	2f05	MOVE.LD5,-(SP)		000059aa	48e71f30		MOVEM.L D3-D7/A2/A3,-(SP)	
0000590a	2d48ffffc	MOVE.LA0,-4(A6)		000059ae	206e000c		MOVEA.L 12(A6),A0	
0000590e	61000096	BSR L496		000059b2	226e0008		MOVEA.L 8(A6),A1	
00005912	206efffc	MOVEA.L -4(A6),A0		000059b6	24290004		MOVE.L4(A1),D2	
00005916	d0fcffc0	ADDA.W#-\$40,A0		000059ba	26290008		MOVE.L8(A1),D3	
0000591a	504f	ADDQ.W#8,SP		000059be	2829000c		MOVE.L12(A1),D4	
0000591c	7e3f	MOVEQ #63,D7		000059c2	2203		MOVE.LD3,D1	
0000591e	be88	CMP.L A0,D7		000059c4	b981		EOR.L D4,D1	
00005920	6500ff40	BCS L486		000059c6	c282		AND.L D2,D1	
00005924	3208	MOVE.WA0,D1	L488	000059c8	b981		EOR.L D4,D1	
00005926	2245	MOVEA.L D5,A1		000059ca	0681d76aa478		ADDI.L#-\$28955b88,D1	
00005928	33410058	MOVE.WD1,88(A1)		000059d0	2d50ffffc		MOVE.L(A0),-4(A6)	
0000592c	676e	BEQ L495		000059d4	d2aeffffc		ADD.L -4(A6),D1	
0000592e	3601	MOVE.WD1,D3		000059d8	d291		ADD.L(A1),D1	
00005930	e443	ASR.W #2,D3		000059da	ef99		ROL.L #7,D1	
00005932	02410003	ANDI.W#3,D1		000059dc	d282		ADD.L D2,D1	
00005936	4a43	TST.W D3		000059de	2002		MOVE.LD2,D0	
00005938	672c	BEQ L490		000059e0	b780		EOR.L D3,D0	
0000593a	7800	MOVEQ #0,D4		000059e2	c081		AND.L D1,D0	
0000593c	4282	CLR.L D2	L489	000059e4	b780		EOR.L D3,D0	
0000593e	141a	MOVE.B(A2)+,D2		000059e6	0680e8c7b756		ADDI.L#-\$173848aa,D0	
00005940	101a	MOVE.B(A2)+,D0		000059ec	2d680004ffff8		MOVE.L4(A0),-8(A6)	
00005942	1800	MOVE.BD0,D4		000059f2	d0aefff8		ADD.L -8(A6),D0	
00005944	2004	MOVE.LD4,D0		000059f6	d880		ADD.L D0,D4	
00005946	e180	ASL.L #8,D0		000059f8	7a0c		MOVEQ #12,D5	
00005948	8480	OR.L D0,D2		000059fa	ebbc		ROL.L D5,D4	
0000594a	4280	CLR.L D0		000059fc	d881		ADD.L D1,D4	
0000594c	101a	MOVE.B(A2)+,D0		000059fe	2001		MOVE.LD1,D0	
0000594e	4840	SWAP D0		00005a00	b580		EOR.L D2,D0	
00005950	4240	CLR.W D0		00005a02	c084		AND.L D4,D0	
00005952	8480	OR.L D0,D2		00005a04	b580		EOR.L D2,D0	
00005954	4280	CLR.L D0		00005a06	0680242070db		ADDI.L#\$242070db,D0	
00005956	101a	MOVE.B(A2)+,D0		00005a0c	2d680008ffff4		MOVE.L8(A0),-12(A6)	
00005958	e140	ASL.W #8,D0		00005a12	d0aefff4		ADD.L -12(A6),D0	
0000595a	4840	SWAP D0		00005a16	d680		ADD.L D0,D3	
0000595c	4240	CLR.W D0		00005a18	7a11		MOVEQ #17,D5	
0000595e	8480	OR.L D0,D2		00005a1a	ebbb		ROL.L D5,D3	
00005960	26c2	MOVE.LD2,(A3)+		00005a1c	d684		ADD.L D4,D3	
00005962	5343	SUBQ.W#1,D3		00005a1e	2004		MOVE.LD4,D0	
00005964	66d6	BNE L489		00005a20	b380		EOR.L D1,D0	
00005966	7400	MOVEQ #0,D2	L490	00005a22	c083		AND.L D3,D0	
00005968	45f21000	LEA 0(A2,D1.W),A2		00005a24	b380		EOR.L D1,D0	
0000596c	0c410002	CMPI.W#2,D1		00005a26	0680c1bdceee		ADDI.L#-\$3e423112,D0	
00005970	671c	BEQ L492		00005a2c	2d68000cffff0		MOVE.L12(A0),-16(A6)	
00005972	6e0a	BGT L491		00005a32	d0aefff0		ADD.L -16(A6),D0	
00005974	0c410001	CMPI.W#1,D1		00005a36	d480		ADD.L D0,D2	
00005976	671c	BEQ L493		00005a38	7a16		MOVEQ #22,D5	
00005978	6000001e	BRA L494		00005a3a	ebba		ROL.L D5,D2	
0000597a	0c410003	CMPI.W#3,D1	L491	00005a3c	d483		ADD.L D3,D2	
0000597c	6616	BNE L494		00005a3e	2003		MOVE.LD3,D0	
0000597e	4280	CLR.L D0		00005a40	b980		EOR.L D4,D0	
00005980	1022	MOVE.B-(A2),D0		00005a42	c082		AND.L D2,D0	
00005982	2400	MOVE.LD0,D2		00005a44	b980		EOR.L D4,D0	
00005984	4842	SWAP D2		00005a46	0680f57c0faf		ADDI.L#-\$a83f051,D0	
00005986	4242	CLR.W D2		00005a4c	2d680010ffec		MOVE.L16(A0),-20(A6)	
00005988	4280	CLR.L D0	L492	00005a52	d0aeffec		ADD.L -20(A6),D0	
0000598a	1022	MOVE.B-(A2),D0		00005a56	d280		ADD.L D0,D1	
0000598c	e180	ASL.L #8,D0		00005a58	ef99		ROL.L #7,D1	
0000598e	8480	OR.L D0,D2		00005a5a	d282		ADD.L D2,D1	
00005990	842affff	OR.B -1(A2),D2	L493	00005a5c	2002		MOVE.LD2,D0	
00005992	2682	MOVE.LD2,(A3)	L494	00005a5e	b780		EOR.L D3,D0	

00005a60 c081 AND.L D1,D0
00005a62 b780 EOR.L D3,D0
00005a64 06804787c62a ADDI.L#\$4787c62a,D0
00005a6a 2d680014ffe8 MOVE.L20(A0),-24(A6)
00005a70 d0aeffe8 ADD.L -24(A6),D0
00005a74 d880 ADD.L D0,D4
00005a76 7a0c MOVEQ #12,D5
00005a78 ebbc ROL.L D5,D4
00005a7a d881 ADD.L D1,D4
00005a7c 2001 MOVE.LD1,D0
00005a7e b580 EOR.L D2,D0
00005a80 c084 AND.L D4,D0
00005a82 b580 EOR.L D2,D0
00005a84 0680a8304613 ADDI.L#-\$57cfb9ed,D0
00005a8a 2d680018ffe4 MOVE.L24(A0),-28(A6)
00005a90 d0aeffe4 ADD.L -28(A6),D0
00005a94 d680 ADD.L D0,D3
00005a96 7a11 MOVEQ #17,D5
00005a98 ebbb ROL.L D5,D3
00005a9a d684 ADD.L D4,D3
00005a9c 2004 MOVE.LD4,D0
00005a9e b380 EOR.L D1,D0
00005aa0 c083 AND.L D3,D0
00005aa2 b380 EOR.L D1,D0
00005aa4 0680fd469501 ADDI.L#-\$2b96aff,D0
00005aaa 2468001c MOVEA.L 28(A0),A2
00005aae d08a ADD.L A2,D0
00005ab0 d480 ADD.L D0,D2
00005ab2 7a16 MOVEQ #22,D5
00005ab4 ebba ROL.L D5,D2
00005ab6 d483 ADD.L D3,D2
00005ab8 2003 MOVE.LD3,D0
00005aba b980 EOR.L D4,D0
00005abc c082 AND.L D2,D0
00005abe b980 EOR.L D4,D0
00005ac0 0680698098d8 ADDI.L#\$698098d8,D0
00005ac6 2d680020ffe0 MOVE.L32(A0),-32(A6)
00005acc d0aeffe0 ADD.L -32(A6),D0
00005ad0 d280 ADD.L D0,D1
00005ad2 ef99 ROL.L #7,D1
00005ad4 d282 ADD.L D2,D1
00005ad6 2002 MOVE.LD2,D0
00005ad8 b780 EOR.L D3,D0
00005ada c081 AND.L D1,D0
00005adc b780 EOR.L D3,D0
00005ade 06808b44f7af ADDI.L#-\$74bb0851,D0
00005ae4 2d680024ffdc MOVE.L36(A0),-36(A6)
00005aea d0aeffdc ADD.L -36(A6),D0
00005aee d880 ADD.L D0,D4
00005af0 7a0c MOVEQ #12,D5
00005af2 ebbc ROL.L D5,D4
00005af4 d881 ADD.L D1,D4
00005af6 2001 MOVE.LD1,D0
00005af8 b580 EOR.L D2,D0
00005afa c084 AND.L D4,D0
00005afc b580 EOR.L D2,D0
00005afe 0680ffff5bb1 ADDI.L#-\$a44f,D0
00005b04 26680028 MOVEA.L 40(A0),A3
00005b08 d08b ADD.L A3,D0
00005b0a d680 ADD.L D0,D3
00005b0c 7a11 MOVEQ #17,D5
00005b0e ebbb ROL.L D5,D3
00005b10 d684 ADD.L D4,D3
00005b12 2004 MOVE.LD4,D0
00005b14 b380 EOR.L D1,D0
00005b16 c083 AND.L D3,D0

00005b18 b380
00005b1a 0680895cd7be
00005b20 2d68002cffd8
00005b26 d0aeffd8
00005b2a d480
00005b2c 7a16
00005b2e ebba
00005b30 d483
00005b32 2003
00005b34 b980
00005b36 c082
00005b38 b980
00005b3a 06806b901122
00005b40 2c280030
00005b44 d086
00005b46 d280
00005b48 ef99
00005b4a d282
00005b4c 2002
00005b4e b780
00005b50 c081
00005b52 b780
00005b54 0680fd987193
00005b5a 2d680034ffd0
00005b60 d0aeffd0
00005b64 d880
00005b66 7a0c
00005b68 ebbc
00005b6a d881
00005b6c 2001
00005b6e b580
00005b70 c084
00005b72 b580
00005b74 0680a679438e
00005b7a 2d680038ffd4
00005b80 d0aeffd4
00005b84 d680
00005b86 7a11
00005b88 ebbb
00005b8a d684
00005b8c 2004
00005b8e b380
00005b90 c083
00005b92 b380
00005b94 068049b40821
00005b9a 2e28003c
00005b9e d087
00005ba0 d480
00005ba2 7a16
00005ba4 ebba
00005ba6 d483
00005ba8 2002
00005baa b780
00005bac c084
00005bae b780
00005bb0 0680f61e2562
00005bb6 d0aefff8
00005bba d280
00005bbc eb99
00005bbe d282
00005bc0 2001
00005bc2 b580
00005bc4 c083
00005bc6 b580
00005bc8 0680c040b340
00005bce d0aeffe4

EOR.L D1,D0
ADDI.L#-\$76a32842,D0
MOVE.L44(A0),-40(A6)
ADD.L -40(A6),D0
ADD.L D0,D2
MOVEQ #22,D5
ROL.L D5,D2
ADD.L D3,D2
MOVE.LD3,D0
EOR.L D4,D0
AND.L D2,D0
EOR.L D4,D0
ADDI.L#\$6b901122,D0
MOVE.L48(A0),D6
ADD.L D6,D0
ADD.L D0,D1
ROL.L #7,D1
ADD.L D2,D1
MOVE.LD2,D0
EOR.L D3,D0
AND.L D1,D0
EOR.L D3,D0
ADDI.L#-\$2678e6d,D0
MOVE.L52(A0),-48(A6)
ADD.L -48(A6),D0
ADD.L D0,D4
MOVEQ #12,D5
ROL.L D5,D4
ADD.L D1,D4
MOVE.LD1,D0
EOR.L D2,D0
AND.L D4,D0
EOR.L D2,D0
ADDI.L#-\$5986bc72,D0
MOVE.L56(A0),-44(A6)
ADD.L -44(A6),D0
ADD.L D0,D3
MOVEQ #17,D5
ROL.L D5,D3
ADD.L D4,D3
MOVE.LD4,D0
EOR.L D1,D0
AND.L D3,D0
EOR.L D1,D0
ADDI.L#\$49b40821,D0
MOVE.L60(A0),D7
ADD.L D7,D0
ADD.L D0,D2
MOVEQ #22,D5
ROL.L D5,D2
ADD.L D3,D2
MOVE.LD2,D0
EOR.L D3,D0
AND.L D4,D0
EOR.L D3,D0
ADDI.L#-\$9e1da9e,D0
ADD.L -8(A6),D0
ADD.L D0,D1
ROL.L #5,D1
ADD.L D2,D1
MOVE.LD1,D0
EOR.L D2,D0
AND.L D3,D0
EOR.L D2,D0
ADDI.L#-\$3fbf4cc0,D0
ADD.L -28(A6),D0

00005bd2	d880	ADD.L D0,D4	00005c76	b780	EOR.L D3,D0
00005bd4	7a09	MOVEQ #9,D5	00005c78	068021e1cde6	ADDI.L#\$21e1cde6,D0
00005bd6	ebbc	ROL.L D5,D4	00005c7e	d0aeffdc	ADD.L -36(A6),D0
00005bd8	d881	ADD.L D1,D4	00005c82	d280	ADD.L D0,D1
00005bda	2004	MOVE.LD4,D0	00005c84	eb99	ROL.L #5,D1
00005bdc	b380	EOR.L D1,D0	00005c86	d282	ADD.L D2,D1
00005bde	c082	AND.L D2,D0	00005c88	2001	MOVE.LD1,D0
00005be0	b380	EOR.L D1,D0	00005c8a	b580	EOR.L D2,D0
00005be2	0680265e5a51	ADDI.L#\$265e5a51,D0	00005c8c	c083	AND.L D3,D0
00005be8	d0aeffd8	ADD.L -4(A6),D0	00005c8e	b580	EOR.L D2,D0
00005bec	d680	ADD.L D0,D3	00005c90	0680c33707d6	ADDI.L#-\$3cc8f82a,D0
00005bee	7a0e	MOVEQ #14,D5	00005c96	d0aeffd4	ADD.L -44(A6),D0
00005bf0	ebbb	ROL.L D5,D3	00005c9a	d880	ADD.L D0,D4
00005bf2	d684	ADD.L D4,D3	00005c9c	7a09	MOVEQ #9,D5
00005bf4	2003	MOVE.LD3,D0	00005c9e	ebbc	ROL.L D5,D4
00005bf6	b980	EOR.L D4,D0	00005ca0	d881	ADD.L D1,D4
00005bf8	c081	AND.L D1,D0	00005ca2	2004	MOVE.LD4,D0
00005bfa	b980	EOR.L D4,D0	00005ca4	b380	EOR.L D1,D0
00005bfc	0680e9b6c7aa	ADDI.L#-\$16493856,D0	00005ca6	c082	AND.L D2,D0
00005c02	d0aefffc	ADD.L -4(A6),D0	00005ca8	b380	EOR.L D1,D0
00005c06	d480	ADD.L D0,D2	00005caa	0680f4d50d87	ADDI.L#-\$b2af279,D0
00005c08	7a14	MOVEQ #20,D5	00005cb0	d0aefff0	ADD.L -16(A6),D0
00005c0a	ebba	ROL.L D5,D2	00005cb4	d680	ADD.L D0,D3
00005c0c	d483	ADD.L D3,D2	00005cb6	7a0e	MOVEQ #14,D5
00005c0e	2002	MOVE.LD2,D0	00005cb8	ebbb	ROL.L D5,D3
00005c10	b780	EOR.L D3,D0	00005cba	d684	ADD.L D4,D3
00005c12	c084	AND.L D4,D0	00005cbc	2003	MOVE.LD3,D0
00005c14	b780	EOR.L D3,D0	00005cbe	b980	EOR.L D4,D0
00005c16	0680d62f105d	ADDI.L#-\$29d0efa3,D0	00005cc0	c081	AND.L D1,D0
00005c1c	d0aeffe8	ADD.L -24(A6),D0	00005cc2	b980	EOR.L D4,D0
00005c20	d280	ADD.L D0,D1	00005cc4	0680455a14ed	ADDI.L#\$455a14ed,D0
00005c22	eb99	ROL.L #5,D1	00005cca	d0aeffe0	ADD.L -32(A6),D0
00005c24	d282	ADD.L D2,D1	00005cce	d480	ADD.L D0,D2
00005c26	2001	MOVE.LD1,D0	00005cd0	7a14	MOVEQ #20,D5
00005c28	b580	EOR.L D2,D0	00005cd2	ebba	ROL.L D5,D2
00005c2a	c083	AND.L D3,D0	00005cd4	d483	ADD.L D3,D2
00005c2c	b580	EOR.L D2,D0	00005cd6	2002	MOVE.LD2,D0
00005c2e	068002441453	ADDI.L#\$2441453,D0	00005cd8	b780	EOR.L D3,D0
00005c34	d08b	ADD.L A3,D0	00005cda	c084	AND.L D4,D0
00005c36	d880	ADD.L D0,D4	00005cdc	b780	EOR.L D3,D0
00005c38	7a09	MOVEQ #9,D5	00005cde	0680a9e3e905	ADDI.L#-\$561c16fb,D0
00005c3a	ebbc	ROL.L D5,D4	00005ce4	d0aeffd0	ADD.L -48(A6),D0
00005c3c	d881	ADD.L D1,D4	00005ce8	d280	ADD.L D0,D1
00005c3e	2004	MOVE.LD4,D0	00005cea	eb99	ROL.L #5,D1
00005c40	b380	EOR.L D1,D0	00005cec	d282	ADD.L D2,D1
00005c42	c082	AND.L D2,D0	00005cee	2001	MOVE.LD1,D0
00005c44	b380	EOR.L D1,D0	00005cf0	b580	EOR.L D2,D0
00005c46	0680d8ale681	ADDI.L#-\$275e197f,D0	00005cf2	c083	AND.L D3,D0
00005c4c	d087	ADD.L D7,D0	00005cf4	b580	EOR.L D2,D0
00005c4e	d680	ADD.L D0,D3	00005cf6	0680fcef3f8	ADDI.L#-\$3105c08,D0
00005c50	7a0e	MOVEQ #14,D5	00005cfc	d0aefff4	ADD.L -12(A6),D0
00005c52	ebbb	ROL.L D5,D3	00005d00	d880	ADD.L D0,D4
00005c54	d684	ADD.L D4,D3	00005d02	7a09	MOVEQ #9,D5
00005c56	2003	MOVE.LD3,D0	00005d04	ebbc	ROL.L D5,D4
00005c58	b980	EOR.L D4,D0	00005d06	d881	ADD.L D1,D4
00005c5a	c081	AND.L D1,D0	00005d08	2004	MOVE.LD4,D0
00005c5c	b980	EOR.L D4,D0	00005d0a	b380	EOR.L D1,D0
00005c5e	0680e7d3fbc8	ADDI.L#-\$182c0438,D0	00005d0c	c082	AND.L D2,D0
00005c64	d0aeffec	ADD.L -20(A6),D0	00005d0e	b380	EOR.L D1,D0
00005c68	d480	ADD.L D0,D2	00005d10	0680676f02d9	ADDI.L#\$676f02d9,D0
00005c6a	7a14	MOVEQ #20,D5	00005d16	d08a	ADD.L A2,D0
00005c6c	ebba	ROL.L D5,D2	00005d18	d680	ADD.L D0,D3
00005c6e	d483	ADD.L D3,D2	00005d1a	7a0e	MOVEQ #14,D5
00005c70	2002	MOVE.LD2,D0	00005d1c	ebbb	ROL.L D5,D3
00005c72	b780	EOR.L D3,D0	00005d1e	d684	ADD.L D4,D3
00005c74	c084	AND.L D4,D0	00005d20	2003	MOVE.LD3,D0

00005d22	b980	EOR.L D4,D0	00005dd2	d680	ADD.L D0,D3
00005d24	c081	AND.L D1,D0	00005dd4	7a10	MOVEQ #16,D5
00005d26	b980	EOR.L D4,D0	00005dd6	ebbb	ROL.L D5,D3
00005d28	06808d2a4c8a	ADDI.L#-\$72d5b376,D0	00005dd8	d684	ADD.L D4,D3
00005d2e	d086	ADD.L D6,D0	00005dda	2003	MOVE.LD3,D0
00005d30	d480	ADD.L D0,D2	00005ddc	b980	EOR.L D4,D0
00005d32	7a14	MOVEQ #20,D5	00005dde	b380	EOR.L D1,D0
00005d34	ebba	ROL.L D5,D2	00005de0	0680bebfb70	ADDI.L#-\$41404390,D0
00005d36	d483	ADD.L D3,D2	00005de6	d08b	ADD.L A3,D0
00005d38	2002	MOVE.LD2,D0	00005de8	d480	ADD.L D0,D2
00005d3a	b780	EOR.L D3,D0	00005dea	7a17	MOVEQ #23,D5
00005d3c	b980	EOR.L D4,D0	00005dec	ebba	ROL.L D5,D2
00005d3e	0680fffa3942	ADDI.L#-\$5c6be,D0	00005dee	d483	ADD.L D3,D2
00005d44	d0aeffe8	ADD.L -24(A6),D0	00005df0	2002	MOVE.LD2,D0
00005d48	d280	ADD.L D0,D1	00005df2	b780	EOR.L D3,D0
00005d4a	e999	ROL.L #4,D1	00005df4	b980	EOR.L D4,D0
00005d4c	d282	ADD.L D2,D1	00005df6	0680289b7ec6	ADDI.L#\$289b7ec6,D0
00005d4e	2001	MOVE.LD1,D0	00005dfc	d0aeffd0	ADD.L -48(A6),D0
00005d50	b580	EOR.L D2,D0	00005e00	d280	ADD.L D0,D1
00005d52	b780	EOR.L D3,D0	00005e02	e999	ROL.L #4,D1
00005d54	06808771f681	ADDI.L#-\$788e097f,D0	00005e04	d282	ADD.L D2,D1
00005d5a	d0aeffe0	ADD.L -32(A6),D0	00005e06	2001	MOVE.LD1,D0
00005d5e	d880	ADD.L D0,D4	00005e08	b580	EOR.L D2,D0
00005d60	7a0b	MOVEQ #11,D5	00005e0a	b780	EOR.L D3,D0
00005d62	ebbc	ROL.L D5,D4	00005e0c	0680eaa127fa	ADDI.L#-\$155ed806,D0
00005d64	d881	ADD.L D1,D4	00005e12	d0aefff8	ADD.L -4(A6),D0
00005d66	2004	MOVE.LD4,D0	00005e16	d880	ADD.L D0,D4
00005d68	b380	EOR.L D1,D0	00005e18	7a0b	MOVEQ #11,D5
00005d6a	b580	EOR.L D2,D0	00005e1a	ebbc	ROL.L D5,D4
00005d6c	06806d9d6122	ADDI.L#\$6d9d6122,D0	00005e1c	d881	ADD.L D1,D4
00005d72	d0aeffd8	ADD.L -40(A6),D0	00005e1e	2004	MOVE.LD4,D0
00005d76	d680	ADD.L D0,D3	00005e20	b380	EOR.L D1,D0
00005d78	7a10	MOVEQ #16,D5	00005e22	b580	EOR.L D2,D0
00005d7a	ebbb	ROL.L D5,D3	00005e24	0680d4ef3085	ADDI.L#-\$2b10cf7b,D0
00005d7c	d684	ADD.L D4,D3	00005e2a	d0aefff0	ADD.L -16(A6),D0
00005d7e	2003	MOVE.LD3,D0	00005e2e	d680	ADD.L D0,D3
00005d80	b980	EOR.L D4,D0	00005e30	7a10	MOVEQ #16,D5
00005d82	b380	EOR.L D1,D0	00005e32	ebbb	ROL.L D5,D3
00005d84	0680fde5380c	ADDI.L#-\$21ac7f4,D0	00005e34	d684	ADD.L D4,D3
00005d8a	d0aeffd4	ADD.L -44(A6),D0	00005e36	2003	MOVE.LD3,D0
00005d8e	d480	ADD.L D0,D2	00005e38	b980	EOR.L D4,D0
00005d90	7a17	MOVEQ #23,D5	00005e3a	b380	EOR.L D1,D0
00005d92	ebba	ROL.L D5,D2	00005e3c	068004881d05	ADDI.L#\$4881d05,D0
00005d94	d483	ADD.L D3,D2	00005e42	d0aeffe4	ADD.L -28(A6),D0
00005d96	2002	MOVE.LD2,D0	00005e46	d480	ADD.L D0,D2
00005d98	b780	EOR.L D3,D0	00005e48	7a17	MOVEQ #23,D5
00005d9a	b980	EOR.L D4,D0	00005e4a	ebba	ROL.L D5,D2
00005d9c	0680a4beea44	ADDI.L#-\$5b4115bc,D0	00005e4c	d483	ADD.L D3,D2
00005da2	d0aefff8	ADD.L -8(A6),D0	00005e4e	2002	MOVE.LD2,D0
00005da6	d280	ADD.L D0,D1	00005e50	b780	EOR.L D3,D0
00005da8	e999	ROL.L #4,D1	00005e52	b980	EOR.L D4,D0
00005daa	d282	ADD.L D2,D1	00005e54	0680d9d4d039	ADDI.L#-\$262b2fc7,D0
00005dac	2001	MOVE.LD1,D0	00005e5a	d0aeffdc	ADD.L -36(A6),D0
00005dae	b580	EOR.L D2,D0	00005e5e	d280	ADD.L D0,D1
00005db0	b780	EOR.L D3,D0	00005e60	e999	ROL.L #4,D1
00005db2	06804bdecfa9	ADDI.L#\$4bdecfa9,D0	00005e62	d282	ADD.L D2,D1
00005db8	d0aeffec	ADD.L -20(A6),D0	00005e64	2001	MOVE.LD1,D0
00005dbc	d880	ADD.L D0,D4	00005e66	b580	EOR.L D2,D0
00005dbe	7a0b	MOVEQ #11,D5	00005e68	b780	EOR.L D3,D0
00005dc0	ebbc	ROL.L D5,D4	00005e6a	0680e6db99e5	ADDI.L#-\$1924661b,D0
00005dc2	d881	ADD.L D1,D4	00005e70	d086	ADD.L D6,D0
00005dc4	2004	MOVE.LD4,D0	00005e72	d880	ADD.L D0,D4
00005dc6	b380	EOR.L D1,D0	00005e74	7a0b	MOVEQ #11,D5
00005dc8	b580	EOR.L D2,D0	00005e76	ebbc	ROL.L D5,D4
00005dca	0680f6bb4b60	ADDI.L#-\$944b4a0,D0	00005e78	d881	ADD.L D1,D4
00005dd0	d08a	ADD.L A2,D0	00005e7a	2004	MOVE.LD4,D0

00005e7c	b380	EOR.L D1,D0	00005f26	2003	MOVE.LD3,D0
00005e7e	b580	EOR.L D2,D0	00005f28	4680	NOT.L D0
00005e80	06801fa27cf8	ADDI.L#1fa27cf8,D0	00005f2a	8081	OR.L D1,D0
00005e86	d087	ADD.L D7,D0	00005f2c	b580	EOR.L D2,D0
00005e88	d680	ADD.L D0,D3	00005f2e	06808f0ccc92	ADDI.L#-\$70f3336e,D0
00005e8a	7a10	MOVEQ #16,D5	00005f34	d0aefff0	ADD.L -16(A6),D0
00005e8c	ebbb	ROL.L D5,D3	00005f38	d880	ADD.L D0,D4
00005e8e	d684	ADD.L D4,D3	00005f3a	7a0a	MOVEQ #10,D5
00005e90	2003	MOVE.LD3,D0	00005f3c	ebbc	ROL.L D5,D4
00005e92	b980	EOR.L D4,D0	00005f3e	d881	ADD.L D1,D4
00005e94	b380	EOR.L D1,D0	00005f40	2002	MOVE.LD2,D0
00005e96	0680c4ac5665	ADDI.L#-\$3b53a99b,D0	00005f42	4680	NOT.L D0
00005e9c	d0aefff4	ADD.L -12(A6),D0	00005f44	8084	OR.L D4,D0
00005ea0	d480	ADD.L D0,D2	00005f46	b380	EOR.L D1,D0
00005ea2	7a17	MOVEQ #23,D5	00005f48	0680ffeff47d	ADDI.L#-\$100b83,D0
00005ea4	ebba	ROL.L D5,D2	00005f4e	d7c0	ADDA.LD0,A3
00005ea6	d483	ADD.L D3,D2	00005f50	d68b	ADD.L A3,D3
00005ea8	2004	MOVE.LD4,D0	00005f52	7a0f	MOVEQ #15,D5
00005eaa	4680	NOT.L D0	00005f54	ebbb	ROL.L D5,D3
00005eac	8082	OR.L D2,D0	00005f56	d684	ADD.L D4,D3
00005eae	b780	EOR.L D3,D0	00005f58	2001	MOVE.LD1,D0
00005eb0	0680f4292244	ADDI.L#-\$bd6ddbc,D0	00005f5a	4680	NOT.L D0
00005eb6	d0aefffc	ADD.L -4(A6),D0	00005f5c	8083	OR.L D3,D0
00005eba	d280	ADD.L D0,D1	00005f5e	b980	EOR.L D4,D0
00005ebc	ed99	ROL.L #6,D1	00005f60	068085845dd1	ADDI.L#-\$7a7ba22f,D0
00005ebe	d282	ADD.L D2,D1	00005f66	d0aefff8	ADD.L -8(A6),D0
00005ec0	2003	MOVE.LD3,D0	00005f6a	d480	ADD.L D0,D2
00005ec2	4680	NOT.L D0	00005f6c	7a15	MOVEQ #21,D5
00005ec4	8081	OR.L D1,D0	00005f6e	ebba	ROL.L D5,D2
00005ec6	b580	EOR.L D2,D0	00005f70	d483	ADD.L D3,D2
00005ec8	0680432aff97	ADDI.L#432aff97,D0	00005f72	2004	MOVE.LD4,D0
00005ece	d5c0	ADDA.LD0,A2	00005f74	4680	NOT.L D0
00005ed0	d88a	ADD.L A2,D4	00005f76	8082	OR.L D2,D0
00005ed2	7a0a	MOVEQ #10,D5	00005f78	b780	EOR.L D3,D0
00005ed4	ebbc	ROL.L D5,D4	00005f7a	06806fa87e4f	ADDI.L#6fa87e4f,D0
00005ed6	d881	ADD.L D1,D4	00005f80	d0aeffe0	ADD.L -32(A6),D0
00005ed8	2002	MOVE.LD2,D0	00005f84	d280	ADD.L D0,D1
00005eda	4680	NOT.L D0	00005f86	ed99	ROL.L #6,D1
00005edc	8084	OR.L D4,D0	00005f88	d282	ADD.L D2,D1
00005ede	b380	EOR.L D1,D0	00005f8a	2003	MOVE.LD3,D0
00005ee0	0680ab9423a7	ADDI.L#-\$546bdc59,D0	00005f8c	4680	NOT.L D0
00005ee6	d0aeffd4	ADD.L -44(A6),D0	00005f8e	8081	OR.L D1,D0
00005eea	2d40ffd4	MOVE.LD0,-44(A6)	00005f90	b580	EOR.L D2,D0
00005eee	d680	ADD.L D0,D3	00005f92	0680fe2ce6e0	ADDI.L#-\$1d31920,D0
00005ef0	7a0f	MOVEQ #15,D5	00005f98	de80	ADD.L D0,D7
00005ef2	ebbb	ROL.L D5,D3	00005f9a	d887	ADD.L D7,D4
00005ef4	d684	ADD.L D4,D3	00005f9c	7a0a	MOVEQ #10,D5
00005ef6	2001	MOVE.LD1,D0	00005f9e	ebbc	ROL.L D5,D4
00005ef8	4680	NOT.L D0	00005fa0	d881	ADD.L D1,D4
00005efa	8083	OR.L D3,D0	00005fa2	2002	MOVE.LD2,D0
00005efc	b980	EOR.L D4,D0	00005fa4	4680	NOT.L D0
00005efe	0680fc93a039	ADDI.L#-\$36c5fc7,D0	00005fa6	8084	OR.L D4,D0
00005f04	d0aeffe8	ADD.L -24(A6),D0	00005fa8	b380	EOR.L D1,D0
00005f08	d480	ADD.L D0,D2	00005faa	0680a3014314	ADDI.L#-\$5cfcbcc,D0
00005f0a	7a15	MOVEQ #21,D5	00005fab	d0aeffe4	ADD.L -28(A6),D0
00005f0c	ebba	ROL.L D5,D2	00005fb4	d680	ADD.L D0,D3
00005f0e	d483	ADD.L D3,D2	00005fb6	7a0f	MOVEQ #15,D5
00005f10	2004	MOVE.LD4,D0	00005fb8	ebbb	ROL.L D5,D3
00005f12	4680	NOT.L D0	00005fba	d684	ADD.L D4,D3
00005f14	8082	OR.L D2,D0	00005fbc	2001	MOVE.LD1,D0
00005f16	b780	EOR.L D3,D0	00005fbe	4680	NOT.L D0
00005f18	0680655b59c3	ADDI.L#655b59c3,D0	00005fc0	8083	OR.L D3,D0
00005f1e	dc80	ADD.L D0,D6	00005fc2	b980	EOR.L D4,D0
00005f20	d286	ADD.L D6,D1	00005fc4	06804e0811a1	ADDI.L#4e0811a1,D0
00005f22	ed99	ROL.L #6,D1	00005fca	d0aeffd0	ADD.L -48(A6),D0
00005f24	d282	ADD.L D2,D1	00005fce	d480	ADD.L D0,D2

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00005fd0 7a15 MOVEQ #21,D5
00005fd2 ebba ROL.L D5,D2
00005fd4 d483 ADD.L D3,D2
00005fd6 2004 MOVE.LD4,D0
00005fd8 4680 NOT.L D0
00005fda 8082 OR.L D2,D0
00005fdc b780 EOR.L D3,D0
00005fde 0680f7537e82 ADDI.L#-$8ac817e,D0
00005fe4 d0aeftec ADD.L -20(A6),D0
00005fe8 d280 ADD.L D0,D1
00005fea ed99 ROL.L #6,D1
00005fec d282 ADD.L D2,D1
00005fee 2003 MOVE.LD3,D0
00005ff0 4680 NOT.L D0
00005ff2 8081 OR.L D1,D0
00005ff4 b580 EOR.L D2,D0
00005ff6 0680bd3af235 ADDI.L#-$42c50dcb,D0
00005ffc d0aeffd8 ADD.L -40(A6),D0
00060000 d880 ADD.L D0,D4
00060002 7a0a MOVEQ #10,D5
00060004 ebba ROL.L D5,D4
00060006 d881 ADD.L D1,D4
00060008 2002 MOVE.LD2,D0
0006000a 4680 NOT.L D0
0006000c 8084 OR.L D4,D0
0006000e b380 EOR.L D1,D0
00060010 06802ad7d2bb ADDI.L#$2ad7d2bb,D0
00060016 d0aefff4 ADD.L -12(A6),D0
0006001a d680 ADD.L D0,D3
0006001c 7a0f MOVEQ #15,D5
0006001e ebba ROL.L D5,D3
00060020 d684 ADD.L D4,D3
00060022 2001 MOVE.LD1,D0
00060024 4680 NOT.L D0
00060026 8083 OR.L D3,D0
00060028 b980 EOR.L D4,D0
0006002a 0680eb86d391 ADDI.L#-$14792c6f,D0
00060030 d0aeffdc ADD.L -36(A6),D0
00060034 d480 ADD.L D0,D2
00060036 7a15 MOVEQ #21,D5
00060038 ebba ROL.L D5,D2
0006003a d483 ADD.L D3,D2
0006003c d391 ADD.L D1,(A1)
0006003e d5a90004 ADD.L D2,4(A1)
00060042 d7a90008 ADD.L D3,8(A1)
00060046 d9a9000c ADD.L D4,12(A1)
0006004a 4cee0cf8ffb4 MOVEM.L -76(A6),D3-D7/A2/A3
00060050 4e5e UNLK A6
00060052 4e75 RTS

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-----L497-----
0006054 4e560000 LINK A6,#0
0006058 48e71030 MOVEM.L D3/A2/A3,-(SP)
000605c 266e000c MOVEA.L 12(A6),A3
0006060 41ec00d4 LEA 212(A4),A0
0006064 45eb0018 LEA 24(A3),A2
0006068 322b0058 MOVE.W88(A3),D1
000606c 3401 MOVE.WD1,D2
000606e e442 ASR.W #2,D2
0006070 3002 MOVE.WD2,D0
0006072 48c0 EXT.L D0
0006074 e580 ASL.L #2,D0
0006076 26320800 MOVE.L0(A2,D0.L),D3
000607a 02410003 ANDI.W#3,D1
000607e 0c410001 CMPI.W#1,D1
0006082 671e BEQ L500
0006084 6e08 BGT L498

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MDS - Fin

8000 0000 0000 0000

... MDS ...

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00006086 4a41
00006088 6714
0000608a 60000032
0000608e 0c410002
00006092 6716
00006094 0c410003
00006098 671a
0000609a 60000022
0000609e 4283
000060a0 1618
000060a2 4280
000060a4 1018
000060a6 e180
000060a8 8680
000060aa 4280
000060ac 1018
000060ae 4840
000060b0 4240
000060b2 6680
000060b4 1010
000060b6 e140
000060b8 4840
000060ba 4240
000060bc 8680
000060be 3002
000060c0 48c0
000060c2 e580
000060c4 25830800
000060c8 5242
000060ca 0c6b00370058
000060d0 6f34
000060d2 0c42000f
000060d6 6e12
000060d8 3002
000060da 48c0
000060dc e580
000060de 42b20800
000060e2 5242
000060e4 0c42000f
000060e8 6fee
000060ea 2f0a
000060ec 2f0b
000060ee 6100f8b6
000060f2 4242
000060f4 504f
000060f6 6000000e
000060fa 3002
000060fc 48c0
000060fe e580
00006100 42b20800
00006104 5242
00006106 0c42000d
0000610a 6fee
0000610c 256b00100038
00006112 256b0014003c
00006118 2f0a
0000611a 2f0b
0000611c 6100f888
00006120 206e0008
00006124 2613
00006126 10c3
00006128 2003
0000612a e088
0000612c 10c0
0000612e 2003
00006130 4240

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L498 TST.W D1
      BEQ L499
      BRA L503
      CMPI.W#2,D1
      BEQ L501
      CMPI.W#3,D1
      BEQ L502
      BRA L503
      CLR.L D3
      MOVE.B(A0)+,D3
      CLR.L D0
      MOVE.B(A0)+,D0
      ASL.L #8,D0
      OR.L D0,D3
      CLR.L D0
      MOVE.B(A0)+,D0
      SWAP D0
      CLR.W D0
      OR.L D0,D3
      MOVE.B(A0),D0
      ASL.W #8,D0
      SWAP D0
      CLR.W D0
      OR.L D0,D3
      MOVE.WD2,D0
      EXT.L D0
      ASL.L #2,D0
      MOVE.LD3,0(A2,D0.L)
      ADDQ.W#1,D2
      CMPI.W#$37,88(A3)
      BLE L507
      CMPI.W#$f,D2
      BGT L505
      MOVE.WD2,D0
      EXT.L D0
      ASL.L #2,D0
      CLR.L 0(A2,D0.L)
      ADDQ.W#1,D2
      CMPI.W#$f,D2
      BLE L504
      MOVE.LA2,-(SP)
      MOVE.LA3,-(SP)
      BSR L496
      CLR.W D2
      ADDQ.W#8,SP
      BRA L507
      MOVE.WD2,D0
      EXT.L D0
      ASL.L #2,D0
      CLR.L 0(A2,D0.L)
      ADDQ.W#1,D2
      CMPI.W#$d,D2
      BLE L506
      MOVE.L16(A3),56(A2)
      MOVE.L20(A3),60(A2)
      MOVE.LA2,-(SP)
      MOVE.LA3,-(SP)
      BSR L496
      MOVEA.L 8(A6),A0
      MOVE.L(A3),D3
      MOVE.BD3,(A0)+
      MOVE.LD3,D0
      LSR.L #8,D0
      MOVE.BD0,(A0)+
      MOVE.LD3,D0
      CLR.W D0

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L497

L504

L505

L506

L507

00006132	4840	SWAP D0
00006134	10c0	MOVE.BD0, (A0)+
00006136	2003	MOVE.LD3, D0
00006138	4240	CLR.W D0
0000613a	4840	SWAP D0
0000613c	e048	LSR.W #8, D0
0000613e	10c0	MOVE.BD0, (A0)+
00006140	262b0004	MOVE.L4 (A3), D3
00006144	10c3	MOVE.BD3, (A0)+
00006146	2003	MOVE.LD3, D0
00006148	e088	LSR.L #8, D0
0000614a	10c0	MOVE.BD0, (A0)+
0000614c	2003	MOVE.LD3, D0
0000614e	4240	CLR.W D0
00006150	4840	SWAP D0
00006152	10c0	MOVE.BD0, (A0)+
00006154	2003	MOVE.LD3, D0
00006156	4240	CLR.W D0
00006158	4840	SWAP D0
0000615a	e048	LSR.W #8, D0
0000615c	10c0	MOVE.BD0, (A0)+
0000615e	262b0008	MOVE.L8 (A3), D3
00006162	10c3	MOVE.BD3, (A0)+
00006164	2003	MOVE.LD3, D0
00006166	e088	LSR.L #8, D0
00006168	10c0	MOVE.BD0, (A0)+
0000616a	2003	MOVE.LD3, D0
0000616c	4240	CLR.W D0
0000616e	4840	SWAP D0
00006170	10c0	MOVE.BD0, (A0)+
00006172	2003	MOVE.LD3, D0
00006174	4240	CLR.W D0
00006176	4840	SWAP D0
00006178	e048	LSR.W #8, D0
0000617a	10c0	MOVE.BD0, (A0)+
0000617c	262b000c	MOVE.L12 (A3), D3
00006180	10c3	MOVE.BD3, (A0)+
00006182	2003	MOVE.LD3, D0
00006184	e088	LSR.L #8, D0
00006186	10c0	MOVE.BD0, (A0)+
00006188	2003	MOVE.LD3, D0
0000618a	4240	CLR.W D0
0000618c	4840	SWAP D0
0000618e	10c0	MOVE.BD0, (A0)+
00006190	2003	MOVE.LD3, D0
00006192	4240	CLR.W D0
00006194	4840	SWAP D0
00006196	e048	LSR.W #8, D0
00006198	1080	MOVE.BD0, (A0)
0000619a	426b0058	CLR.W #8 (A3)
0000619e	4cee0c08fff4	MOVEM.L -12 (A6), D3/A2/A3
000061a4	4e5e	UNLK A6
000061a6	4e75	RTS
<hr/>		
000061a8	2f02	MOVE.LD2, -(SP) - save stack
000061aa	143c0001	MOVE.B#1, D2
000061ae	222f000c	MOVE.L12 (SP), D1
000061b2	6a04	BPL L509
000061b4	4481	NEG.L D1
000061b6	4402	NEG.B D2
000061b8	202f0008	MOVE.L8 (SP), D0
000061bc	6a04	BPL L510
000061be	4480	NEG.L D0
000061c0	4402	NEG.B D2
000061c2	2f01	MOVE.LD1, -(SP)
000061c4	2f00	MOVE.LD0, -(SP)

75B08

75B06

75B08-L508

75B08-L509

75B07-L510

divide 32-bit

prepare data

000061c6	61000c8c	75B06	--BSR L573
000061ca	508f		ADDQ.L#8, SP
000061cc	4a02		TST.B D2
000061ce	6a02	75C02	BPL L511
000061d0	4480		NEG.L D0
000061d2	241f	L511	MOVE.L (SP)+, D2
000061d4	4e75		RTS
<hr/>			
000061d6	0000	75C03	DC.W #0
000061d8	302f0004	L512	MOVE.W4 (SP), D0
000061dc	c0ef000a		MULU.W10 (SP), D0
000061e0	322f0006		MOVE.W6 (SP), D1
000061e4	c2ef0008		MULU.W8 (SP), D1
000061e8	d041		ADD.W D1, D0
000061ea	4840	75C0A	--SWAP D0
000061ec	4240		CLR.W D0
000061ee	322f0006		MOVE.W6 (SP), D1
000061f2	c2ef000a		MULU.W10 (SP), D1
000061f6	d081		ADD.L D1, D0
000061f8	4e75		RTS
<hr/>			
000061fa	0000		DC.W #0
000061fc	222f0008	75C06	MOVE.L8 (SP), D1
00006200	202f0004		MOVE.L4 (SP), D0
00006204	2f01		MOVE.LD1, -(SP)
00006206	2f00		MOVE.LD0, -(SP)
00006208	61000c4a		BSR L573
0000620c	508f	75C0C	--ADDQ.L#8, SP
0000620e	222f0008		MOVE.L8 (SP), D1
00006212	2f01		MOVE.LD1, -(SP)
00006214	2f00		MOVE.LD0, -(SP)
00006216	6100ffc0		BSR L512
0000621a	508f	75C0A	--ADDQ.L#8, SP
0000621c	222f0004		MOVE.L4 (SP), D1
00006220	9280		SUB.L D0, D1
00006222	2001		MOVE.LD1, D0
00006224	4e75		RTS
<hr/>			
00006226	0000		DC.W #0
00006228	00010202	L514	DC.W #1, #514
0000622c	03030303		DC.W #771, #771
00006230	04040404		DC.W #1028, #1028
00006234	04040404		DC.W #1028, #1028
00006238	05050505		DC.W #1285, #1285
0000623c	05050505		DC.W #1285, #1285
00006240	05050505		DC.W #1285, #1285
00006244	05050505		DC.W #1285, #1285
00006248	06060606		DC.W #1542, #1542
0000624c	06060606		DC.W #1542, #1542
00006250	06060606		DC.W #1542, #1542
00006254	06060606		DC.W #1542, #1542
00006258	06060606		DC.W #1542, #1542
0000625c	06060606		DC.W #1542, #1542
00006260	06060606		DC.W #1542, #1542
00006264	06060606		DC.W #1542, #1542
00006268	07070707		DC.W #1799, #1799
0000626c	07070707		DC.W #1799, #1799
00006270	07070707		DC.W #1799, #1799
00006274	07070707		DC.W #1799, #1799
00006278	07070707		DC.W #1799, #1799
0000627c	07070707		DC.W #1799, #1799
00006280	07070707		DC.W #1799, #1799
00006284	07070707		DC.W #1799, #1799
00006288	07070707		DC.W #1799, #1799
0000628c	07070707		DC.W #1799, #1799
00006290	07070707		DC.W #1799, #1799

Multiply 32-bit

ds=ds
dl=33C

Module

75B07

00006294	07070707	DC.W	#1799,#1799	0000638c	10300800	MOVE.B0(A0,D0.L),D0
00006298	07070707	DC.W	#1799,#1799	00006390	0280000000ff	ANDI.L#\$fff,D0
0000629c	07070707	DC.W	#1799,#1799	00006396	d089	ADD.L A1,D0
000062a0	07070707	DC.W	#1799,#1799	00006398	7c20	MOVEQ #32,D6
000062a4	07070707	DC.W	#1799,#1799	0000639a	9c80	SUB.L D0,D6
000062a8	08080808	DC.W	#2056,#2056	0000639c	2d46fff0	MOVE.LD6,-16(A6)
000062ac	08080808	DC.W	#2056,#2056	000063a0	6732	BEQ L518
000062b0	08080808	DC.W	#2056,#2056	000063a2	4282	CLR.L D2
000062b4	08080808	DC.W	#2056,#2056	000063a4	342efff2	MOVE.W-14(A6),D2
000062b8	08080808	DC.W	#2056,#2056	000063a8	2e0a	MOVE.LA2,D7
000062bc	08080808	DC.W	#2056,#2056	000063aa	e5a7	ASL.L D2,D7
000062c0	08080808	DC.W	#2056,#2056	000063ac	2447	MOVEA.L D7,A2
000062c4	08080808	DC.W	#2056,#2056	000063ae	200b	MOVE.LA3,D0
000062c8	08080808	DC.W	#2056,#2056	000063b0	e5a0	ASL.L D2,D0
000062cc	08080808	DC.W	#2056,#2056	000063b2	7220	MOVEQ #32,D1
000062d0	08080808	DC.W	#2056,#2056	000063b4	926efff2	SUB.W -14(A6),D1
000062d4	08080808	DC.W	#2056,#2056	000063b8	02810000ffff	ANDI.L#\$ffff,D1
000062d8	08080808	DC.W	#2056,#2056	000063be	2a2efff4	MOVE.L-12(A6),D5
000062dc	08080808	DC.W	#2056,#2056	000063c2	e2ad	LSR.L D1,D5
000062e0	08080808	DC.W	#2056,#2056	000063c4	2205	MOVE.LD5,D1
000062e4	08080808	DC.W	#2056,#2056	000063c6	8081	OR.L D1,D0
000062e8	08080808	DC.W	#2056,#2056	000063c8	2640	MOVEA.L D0,A3
000062ec	08080808	DC.W	#2056,#2056	000063ca	2c2efff4	MOVE.L-12(A6),D6
000062f0	08080808	DC.W	#2056,#2056	000063ce	e5a6	ASL.L D2,D6
000062f4	08080808	DC.W	#2056,#2056	000063d0	2d46fff4	MOVE.LD6,-12(A6)
000062f8	08080808	DC.W	#2056,#2056	000063d4	2e0a	MOVE.LA2,D7
000062fc	08080808	DC.W	#2056,#2056	000063d6	4247	CLR.W D7
00006300	08080808	DC.W	#2056,#2056	000063d8	4847	SWAP D7
00006304	08080808	DC.W	#2056,#2056	000063da	2d47ffd4	MOVE.LD7,-44(A6)
00006308	08080808	DC.W	#2056,#2056	000063de	2a0a	MOVE.LA2,D5
0000630c	08080808	DC.W	#2056,#2056	000063e0	02850000ffff	ANDI.L#\$ffff,D5
00006310	08080808	DC.W	#2056,#2056	000063e6	2d45ffd8	MOVE.LD5,-40(A6)
00006314	08080808	DC.W	#2056,#2056	000063ea	2f07	MOVE.LD7,-(SP)
00006318	08080808	DC.W	#2056,#2056	000063ec	2f0b	MOVE.LA3,-(SP)
0000631c	08080808	DC.W	#2056,#2056	000063ee	6100fe0c	BSR L513
00006320	08080808	DC.W	#2056,#2056	000063f2	504f	ADDQ.W#8,SP
00006324	08080808	DC.W	#2056,#2056	000063f4	2800	MOVE.LD0,D4
00006328	4e56ffd4	LINK	A6,#-44	000063f6	2f07	MOVE.LD7,-(SP)
0000632c	48e71f30	MOVEM.L	D3-D7/A2/A3,-(SP)	000063f8	2f0b	MOVE.LA3,-(SP)
00006330	242e0008	MOVE.L8(A6),D2		000063fa	61000a58	BSR L573
00006334	262e000c	MOVE.L12(A6),D3		000063fe	584f	ADDQ.W#4,SP
00006338	202e0010	MOVE.L16(A6),D0		00006400	2e85	MOVE.LD5,(SP)
0000633c	222e0014	MOVE.L20(A6),D1		00006402	60000172	BRA L527
00006340	2441	MOVEA.L	D1,A2	00006406	b4fc0000	CMPA.W#0,A2
00006342	2d40ffd8	MOVE.LD0,-40(A6)		0000640a	660e	BNE L520
00006346	2d43fff4	MOVE.LD3,-12(A6)		0000640c	42a7	CLR.L -(SP)
0000634a	2642	MOVEA.L	D2,A3	0000640e	48780001	PEA \$0001.W
0000634c	4a80	TST.L	D0	00006412	61000a40	BSR L573
0000634e	660002b4	BNE	L530	00006416	504f	ADDQ.W#8,SP
00006352	b7ca	CMPA.LA2,A3		00006418	2440	MOVEA.L D0,A2
00006354	640000b0	BCC	L519	0000641a	200a	MOVE.LA2,D0
00006358	200a	MOVE.LA2,D0		0000641c	b5fc0000ffff	CMPA.L#\$ffff,A2
0000635a	b5fc0000ffff	CMPA.L#\$ffff,A2		00006422	6212	BHI L521
00006360	6212	BHI	L516	00006424	93c9	SUBA.LA1,A1
00006362	93c9	SUBA.LA1,A1		00006426	b5fc000000ff	CMPA.L#\$ff,A2
00006364	b5fc000000ff	CMPA.L#\$ff,A2		0000642c	6318	BLS L522
0000636a	6318	BLS	L517	0000642e	327c0008	MOVEA.W #8,A1
0000636c	327c0008	MOVEA.W	#8,A1	00006432	60000012	BRA L522
00006370	60000012	BRA	L517	00006436	327c0018	MOVEA.W #8,A1
00006374	327c0018	MOVEA.W	#8,A1	0000643a	b5fc00ffffff	CMPA.L#\$ffffff,A2
00006378	b5fc00ffffff	CMPA.L#\$ffffff,A2		00006440	6204	BHI L522
0000637e	6204	BHI	L517	00006442	327c0010	MOVEA.W #8,A1
00006380	327c0010	MOVEA.W	#8,A1	00006446	2c09	MOVE.LA1,D6
00006384	2a09	MOVE.LA1,D5		00006448	eca8	LSR.L D6,D0
00006386	ea8	LSR.L	D5,D0	0000644a	41fafddc	LEA L514,A0
00006388	41fafe9e	LEA	L514,A0	0000644e	10300800	MOVE.B0(A0,D0.L),D0

L515

L518

L519

L520

L521

L522

00006452	0280000000ff	ANDI.L#\$ff,D0	000064fe	9882	L524	SUB.L D2,D4
00006458	d089	ADD.L A1,D0	00006500	2f2effd4		MOVE.L-44(A6),-(SP)
0000645a	7e20	MOVEQ #32,D7	00006504	2f04		MOVE.LD4, -(SP)
0000645c	9e80	SUB.L D0,D7	00006506	6100fcf4		BSR L513
0000645e	2d47fff0	MOVE.LD7,-16(A6)	0000650a	504f		ADDQ.W#8,SP
00006462	606e	BNE L523	0000650c	2600		MOVE.LD0,D3
00006464	97ca	SUBA.LA2,A3	0000650e	2f2effd4		MOVE.L-44(A6),-(SP)
00006466	600000e0	BRA L526	00006512	2f04		MOVE.LD4, -(SP)
0000646a	7a20	MOVEQ #32,D5	00006514	6100093e		BSR L573
0000646c	9aaefff0	SUB.L -16(A6),D5	00006518	584f		ADDQ.W#4,SP
00006470	2d45ffec	MOVE.LD5,-20(A6)	0000651a	2eaeffd8		MOVE.L-40(A6), (SP)
00006474	4282	CLR.L D2	0000651e	2f00		MOVE.LD0, -(SP)
00006476	342efff2	MOVE.W-14(A6), D2	00006520	6100fcb6		BSR L512
0000647a	2c0a	MOVE.LA2,D6	00006524	504f		ADDQ.W#8,SP
0000647c	e5a6	ASL.L D2,D6	00006526	2400		MOVE.LD0,D2
0000647e	2446	MOVEA.L D6,A2	00006528	2003		MOVE.LD3,D0
00006480	4280	CLR.L D0	0000652a	4840		SWAP D0
00006482	302effee	MOVE.W-18(A6), D0	0000652c	4240		CLR.W D0
00006486	260b	MOVE.LA3,D3	0000652e	2600		MOVE.LD0,D3
00006488	e0ab	LSR.L D0,D3	00006530	3e0b		MOVE.WA3,D7
0000648a	220b	MOVE.LA3,D1	00006532	8647		OR.W D7,D3
0000648c	e5a1	ASL.L D2,D1	00006534	b483		CMP.L D3,D2
0000648e	2e2efff4	MOVE.L-12(A6), D7	00006536	630c		BLS L525
00006492	e0af	LSR.L D0,D7	00006538	d68a		ADD.L A2,D3
00006494	2007	MOVE.LD7,D0	0000653a	b5c3		CMPA.LD3,A2
00006496	8280	OR.L D0,D1	0000653c	6206		BHI L525
00006498	2641	MOVEA.L D1,A3	0000653e	b483		CMP.L D3,D2
0000649a	2a2efff4	MOVE.L-12(A6), D5	00006540	6302		BLS L525
0000649e	e5a5	ASL.L D2,D5	00006542	d68a		ADD.L A2,D3
000064a0	2d45fff4	MOVE.LD5,-12(A6)	00006544	2643	L525	MOVEA.L D3,A3
000064a4	4246	CLR.W D6	00006546	97c2		SUBA.LD2,A3
000064a6	4846	SWAP D6	00006548	2a0a	L526	MOVE.LA2,D5
000064a8	2d46ffd4	MOVE.LD6,-44(A6)	0000654a	4245		CLR.W D5
000064ac	2c0a	MOVE.LA2,D6	0000654c	4845		SWAP D5
000064ae	02860000ffff	ANDI.L#\$ffff,D6	0000654e	2d45ffd4		MOVE.LD5,-44(A6)
000064b4	2d46ffd8	MOVE.LD6,-40(A6)	00006552	2c0a		MOVE.LA2,D6
000064b8	2f2effd4	MOVE.L-44(A6), -(SP)	00006554	02860000ffff		ANDI.L#\$ffff,D6
000064bc	2f03	MOVE.LD3, -(SP)	0000655a	2d46ffd8		MOVE.LD6,-40(A6)
000064be	6100fd3c	BSR L513	0000655e	2f05		MOVE.LD5, -(SP)
000064c2	504f	ADDQ.W#8,SP	00006560	2f0b		MOVE.LA3, -(SP)
000064c4	2800	MOVE.LD0,D4	00006562	6100fc98		BSR L513
000064c6	2f2effd4	MOVE.L-44(A6), -(SP)	00006566	504f		ADDQ.W#8,SP
000064ca	2f03	MOVE.LD3, -(SP)	00006568	2800		MOVE.LD0,D4
000064cc	61000986	BSR L573	0000656a	2f05		MOVE.LD5, -(SP)
000064d0	584f	ADDQ.W#4,SP	0000656c	2f0b		MOVE.LA3, -(SP)
000064d2	2e86	MOVE.LD6, (SP)	0000656e	610008e4		BSR L573
000064d4	2f00	MOVE.LD0, -(SP)	00006572	584f		ADDQ.W#4,SP
000064d6	6100fd00	BSR L512	00006574	2e86		MOVE.LD6, (SP)
000064da	504f	ADDQ.W#8,SP	00006576	2f00	L527	MOVE.LD0, -(SP)
000064dc	2400	MOVE.LD0,D2	00006578	6100fc5e		BSR L512
000064de	2204	MOVE.LD4,D1	0000657c	504f		ADDQ.W#8,SP
000064e0	4841	SWAP D1	0000657e	2400		MOVE.LD0,D2
000064e2	4241	CLR.W D1	00006580	2204		MOVE.LD4,D1
000064e4	200b	MOVE.LA3,D0	00006582	4841		SWAP D1
000064e6	4240	CLR.W D0	00006584	4241		CLR.W D1
000064e8	4840	SWAP D0	00006586	202efff4		MOVE.L-12(A6), D0
000064ea	2801	MOVE.LD1,D4	0000658a	4240		CLR.W D0
000064ec	8880	OR.L D0,D4	0000658c	4840		SWAP D0
000064ee	b484	CMP.L D4,D2	0000658e	2801		MOVE.LD1,D4
000064f0	630c	BLS L524	00006590	8880		OR.L D0,D4
000064f2	d88a	ADD.L A2,D4	00006592	b484		CMP.L D4,D2
000064f4	b5c4	CMPA.LD4,A2	00006594	630c		BLS L528
000064f6	6206	BHI L524	00006596	d88a		ADD.L A2,D4
000064f8	b484	CMP.L D4,D2	00006598	b5c4		CMPA.LD4,A2
000064fa	6302	BLS L524	0000659a	6206		BHI L528
000064fc	d88a	ADD.L A2,D4	0000659c	b484		CMP.L D4,D2

0000659e	6302		BLS L528	0000666a	6206	BHI L534
000065a0	d88a		ADD.L A2,D4	0000666c	b5eefff4	CMPA.L-12 (A6),A2
000065a2	9892	L528	SUB.L D2,D4	00006670	6214	BHI L535
000065a4	2f2effd4		MOVE.L-44 (A6),-(SP)	00006672	2e0b	MOVE.LA3,D7
000065a8	2f04		MOVE.LD4,-(SP)	00006674	2a2efff4	MOVE.L-12 (A6),D5
000065aa	6100fc50		BSR L513	00006678	2c2effd8	MOVE.L-40 (A6),D6
000065ae	504f		ADDQ.W#8,SP	0000667c	9a8a	SUB.L A2,D5
000065b0	2600		MOVE.LD0,D3	0000667e	9f86	SUBX.LD6,D7
000065b2	2f2effd4		MOVE.L-44 (A6),-(SP)	00006680	2d45fff4	MOVE.LD5,-12 (A6)
000065b6	2f04		MOVE.LD4,-(SP)	00006684	2647	MOVEA.L D7,A3
000065b8	6100089a		BSR L573	00006686	2d6efff4ffe8	MOVE.L-12 (A6),-24 (A6)
000065bc	584f		ADDQ.W#4,SP	0000668c	2d4bffe4	MOVE.LA3,-28 (A6)
000065be	2eaeffd8		MOVE.L-40 (A6),(SP)	00006690	6000019c	BRA L542
000065c2	2f00		MOVE.LD0,-(SP)	00006694	7e20	MOVEQ #32,D7
000065c4	6100fc12		BSR L512	00006696	9eaefff0	SUB.L -16 (A6),D7
000065c8	2400		MOVE.LD0,D2	0000669a	2d47ffec	MOVE.LD7,-20 (A6)
000065ca	2003		MOVE.LD3,D0	0000669e	4284	CLR.L D4
000065cc	4840		SWAP D0	000066a0	382efff2	MOVE.W-14 (A6),D4
000065ce	4240		CLR.W D0	000066a4	222effd8	MOVE.L-40 (A6),D1
000065d0	2600		MOVE.LD0,D3	000066a8	e9a1	ASL.L D4,D1
000065d2	866efff6		OR.W -10 (A6),D3	000066aa	4282	CLR.L D2
000065d6	b483		CMP.L D3,D2	000066ac	342effee	MOVE.W-18 (A6),D2
000065d8	630c		BLS L529	000066b0	200a	MOVE.LA2,D0
000065da	d68a		ADD.L A2,D3	000066b2	e4a8	LSR.L D2,D0
000065dc	b5c3		CMPA.LD3,A2	000066b4	8280	OR.L D0,D1
000065de	6206		BHI L529	000066b6	2d41ffd8	MOVE.LD1,-40 (A6)
000065e0	b483		CMP.L D3,D2	000066ba	2a0a	MOVE.LA2,D5
000065e2	6302		BLS L529	000066bc	e9a5	ASL.L D4,D5
000065e4	d68a		ADD.L A2,D3	000066be	2445	MOVEA.L D5,A2
000065e6	9682	L529	SUB.L D2,D3	000066c0	260b	MOVE.LA3,D3
000065e8	2d43fff4		MOVE.LD3,-12 (A6)	000066c2	e4ab	LSR.L D2,D3
000065ec	4280		CLR.L D0	000066c4	220b	MOVE.LA3,D1
000065ee	302efff2		MOVE.W-14 (A6),D0	000066c6	e9a1	ASL.L D4,D1
000065f2	2e2efff4		MOVE.L-12 (A6),D7	000066c8	202efff4	MOVE.L-12 (A6),D0
000065f6	e0af		LSR.L D0,D7	000066cc	e4a8	LSR.L D2,D0
000065f8	2d47ffe8		MOVE.LD7,-24 (A6)	000066ce	8280	OR.L D0,D1
000065fc	42aeffe4		CLR.L -28 (A6)	000066d0	2641	MOVEA.L D1,A3
00006600	6000022c		BRA L542	000066d2	2c2efff4	MOVE.L-12 (A6),D6
00006604	b7eeffd8	L530	CMPA.L-40 (A6),A3	000066d6	e9a6	ASL.L D4,D6
00006608	640e		BCC L531	000066d8	2d46fff4	MOVE.LD6,-12 (A6)
0000660a	2d6efff4ffe8		MOVE.L-12 (A6),-24 (A6)	000066dc	2e2effd8	MOVE.L-40 (A6),D7
00006610	2d4bffe4		MOVE.LA3,-28 (A6)	000066e0	4247	CLR.W D7
00006614	60000218		BRA L542	000066e2	4847	SWAP D7
00006618	202effd8	L531	MOVE.L-40 (A6),D0	000066e4	2d47ffdc	MOVE.LD7,-36 (A6)
0000661c	0c800000ffff		CMPI.L#\$fff,D0	000066e8	2a2effd8	MOVE.L-40 (A6),D5
00006622	6212		BHI L532	000066ec	02850000ffff	ANDI.L#\$fff,D5
00006624	93c9		SUBA.LA1,A1	000066f2	2d45ffe0	MOVE.LD5,-32 (A6)
00006626	0c80000000ff		CMPI.L#\$ff,D0	000066f6	2f07	MOVE.LD7,-(SP)
0000662c	631a		BLS L533	000066f8	2f03	MOVE.LD3,-(SP)
0000662e	327c0008		MOVEA.W #8,A1	000066fa	6100fb00	BSR L513
00006632	60000014		BRA L533	000066fe	504f	ADDQ.W#8,SP
00006636	327c0018	L532	MOVEA.W #8,A1	00006700	2800	MOVE.LD0,D4
0000663a	0cae00fffffd8		CMPI.L#\$ffff,-40 (A6)	00006702	2f07	MOVE.LD7,-(SP)
00006642	6204		BHI L533	00006704	2f03	MOVE.LD3,-(SP)
00006644	327c0010	L533	MOVEA.W #8,A1	00006706	6100074c	BSR L573
00006648	2a03		MOVE.LA1,D5	0000670a	504f	ADDQ.W#8,SP
0000664a	ea8a		LSR.L D5,D0	0000670c	2d40fff4	MOVE.LD0,-44 (A6)
0000664c	41fafbda		LEA L514,A0	00006710	2f05	MOVE.LD5,-(SP)
00006650	10300800		MOVE.B0 (A0,D0.L),D0	00006712	2f2effd4	MOVE.L-44 (A6),-(SP)
00006654	0280000000ff		ANDI.L#\$ff,D0	00006716	6100fac0	BSR L512
0000665a	d089		ADD.L A1,D0	0000671a	504f	ADDQ.W#8,SP
0000665c	7c20		MOVEQ #32,D6	0000671c	2400	MOVE.LD0,D2
0000665e	9c80		SUB.L D0,D6	0000671e	2204	MOVE.LD4,D1
00006660	2d46fff0		MOVE.LD6,-16 (A6)	00006720	4841	SWAP D1
00006664	662e		BNE L536	00006722	4241	CLR.W D1
00006666	b7eeffd8		CMPA.L-40 (A6),A3	00006724	200b	MOVE.LA3,D0

00006726	4240	CLR.W D0	000067c8	d483	ADD.L D3,D2
00006728	4840	SWAP D0	000067ca	6406	BCC L539
0000672a	2801	MOVE.LD1,D4	000067cc	068100010000	ADDI.L#\$10000,D1
0000672c	8880	OR.L D0,D4	000067d2	4842	SWAP D2
0000672e	b484	CMP.L D4,D2	000067d4	7000	MOVEQ #0,D0
00006730	631a	BLS L537	000067d6	3002	MOVE.WD2,D0
00006732	53aeffd4	SUBQ.L#1,-44(A6)	000067d8	3404	MOVE.WD4,D2
00006736	d8aeffd8	ADD.L -40(A6),D4	000067da	2042	MOVEA.L D2,A0
0000673a	b8aeffd8	CMP.L -40(A6),D4	000067dc	d081	ADD.L D1,D0
0000673e	650c	BCS L537	000067de	2240	MOVEA.L D0,A1
00006740	b484	CMP.L D4,D2	000067e0	b7c9	CMPA.LA1,A3
00006742	6308	BLS L537	000067e2	6508	BCS L540
00006744	53aeffd4	SUBQ.L#1,-44(A6)	000067e4	6616	BNE L541
00006748	d8aeffd8	ADD.L -40(A6),D4	000067e6	bleefff4	CMPA.L-12(A6),A0
0000674c	9882	SUB.L D2,D4	000067ea	6310	BLS L541
0000674e	2f2effdc	MOVE.L-36(A6),-(SP)	000067ec	2e09	MOVE.LA1,D7
00006752	2f04	MOVE.LD4,-(SP)	000067ee	2a08	MOVE.LA0,D5
00006754	6100faa6	BSR L513	000067f0	2c2effd8	MOVE.L-40(A6),D6
00006758	504f	ADDQ.W#8,SP	000067f4	9a8a	SUB.L A2,D5
0000675a	2600	MOVE.LD0,D3	000067f6	9f86	SUBX.LD6,D7
0000675c	2f2effdc	MOVE.L-36(A6),-(SP)	000067f8	2045	MOVEA.L D5,A0
00006760	2f04	MOVE.LD4,-(SP)	000067fa	2247	MOVEA.L D7,A1
00006762	610006f0	BSR L573	000067fc	2e0b	MOVE.LA3,D7
00006766	504f	ADDQ.W#8,SP	000067fe	2a2efff4	MOVE.L-12(A6),D5
00006768	2800	MOVE.LD0,D4	00006802	2c09	MOVE.LA1,D6
0000676a	2f2effe0	MOVE.L-32(A6),-(SP)	00006804	9a88	SUB.L A0,D5
0000676e	2f04	MOVE.LD4,-(SP)	00006806	9f86	SUBX.LD6,D7
00006770	6100fa66	BSR L512	00006808	2d45fff4	MOVE.LD5,-12(A6)
00006774	2400	MOVE.LD0,D2	0000680c	2647	MOVEA.L D7,A3
00006776	2003	MOVE.LD3,D0	0000680e	4280	CLR.L D0
00006778	4840	SWAP D0	00006810	302effee	MOVE.W-18(A6),D0
0000677a	4240	CLR.W D0	00006814	220b	MOVE.LA3,D1
0000677c	2600	MOVE.LD0,D3	00006816	e1a1	ASL.L D0,D1
0000677e	3c0b	MOVE.WA3,D6	00006818	4282	CLR.L D2
00006780	8646	OR.W D6,D3	0000681a	342efff2	MOVE.W-14(A6),D2
00006782	b483	CMP.L D3,D2	0000681e	2005	MOVE.LD5,D0
00006784	6316	BLS L538	00006820	e4a8	LSR.L D2,D0
00006786	5384	SUBQ.L#1,D4	00006822	8280	OR.L D0,D1
00006788	d6aeffd8	ADD.L -40(A6),D3	00006824	2d41ffe8	MOVE.LD1,-24(A6)
0000678c	b6aeffd8	CMP.L -40(A6),D3	00006828	e4af	LSR.L D2,D7
00006790	650a	BCS L538	0000682a	2d47ffe4	MOVE.LD7,-28(A6)
00006792	b483	CMP.L D3,D2	0000682e	2d6effe4fff8	MOVE.L-28(A6),-8(A6)
00006794	6306	BLS L538	00006834	2d6effe8fffc	MOVE.L-24(A6),-4(A6)
00006796	5384	SUBQ.L#1,D4	0000683a	202efff8	MOVE.L-8(A6),D0
00006798	d6aeffd8	ADD.L -40(A6),D3	0000683e	222efffc	MOVE.L-4(A6),D1
0000679c	2a2effd4	MOVE.L-44(A6),D5	00006842	4cee0cf8ffb8	MOVEM.L -72(A6),D3-D7/A2/A3
000067a0	4845	SWAP D5	00006848	4e5e	UNLK A6
000067a2	4245	CLR.W D5	0000684a	4e75	RTS
000067a4	8a84	OR.L D4,D5			
000067a6	2643	MOVEA.L D3,A3	0000684c	00010202	L543 DC.W #1,#514
000067a8	97c2	SUBA.LD2,A3	00006850	03030303	DC.W #771,#771
000067aa	2005	MOVE.LD5,D0	00006854	04040404	DC.W #1028,#1028
000067ac	220a	MOVE.LA2,D1	00006858	04040404	DC.W #1028,#1028
000067ae	2400	MOVE.LD0,D2	0000685c	05050505	DC.W #1285,#1285
000067b0	4840	SWAP D0	00006860	05050505	DC.W #1285,#1285
000067b2	2601	MOVE.LD1,D3	00006864	05050505	DC.W #1285,#1285
000067b4	4841	SWAP D1	00006868	05050505	DC.W #1285,#1285
000067b6	3802	MOVE.WD2,D4	0000686c	06060606	DC.W #1542,#1542
000067b8	c8c3	MULU.WD3,D4	00006870	06060606	DC.W #1542,#1542
000067ba	c4c1	MULU.WD1,D2	00006874	06060606	DC.W #1542,#1542
000067bc	c6c0	MULU.WD0,D3	00006878	06060606	DC.W #1542,#1542
000067be	c2c0	MULU.WD0,D1	0000687c	06060606	DC.W #1542,#1542
000067c0	2004	MOVE.LD4,D0	00006880	06060606	DC.W #1542,#1542
000067c2	b140	EOR.W D0,D0	00006884	06060606	DC.W #1542,#1542
000067c4	4840	SWAP D0	00006888	06060606	DC.W #1542,#1542
000067c6	d480	ADD.L D0,D2	0000688c	07070707	DC.W #1799,#1799

00006890	07070707	DC.W	#1799,#1799	0000698c	6318	BLS	L546
00006894	07070707	DC.W	#1799,#1799	0000698e	327c0008	MOVEA.W	#8,A1
00006898	07070707	DC.W	#1799,#1799	00006992	60000012	BRA	L546
0000689c	07070707	DC.W	#1799,#1799	00006996	327c0018	MOVEA.W	#S18,A1
000068a0	07070707	DC.W	#1799,#1799	0000699a	0c8600ffffff	CMPI.L#\$ffffff,D6	
000068a4	07070707	DC.W	#1799,#1799	000069a0	6204	BHI	L546
000068a8	07070707	DC.W	#1799,#1799	000069a2	327c0010	MOVEA.W	#S10,A1
000068ac	07070707	DC.W	#1799,#1799	000069a6	2e09	MOVE.LA1,D7	
000068b0	07070707	DC.W	#1799,#1799	000069a8	eee8	LSR.L	D7,D0
000068b4	07070707	DC.W	#1799,#1799	000069aa	41fafa0	LEA	L543,A0
000068b8	07070707	DC.W	#1799,#1799	000069ae	10300800	MOVE.B0	(A0,D0.L),D0
000068bc	07070707	DC.W	#1799,#1799	000069b2	028000000fff	ANDI.L#\$fff,D0	
000068c0	07070707	DC.W	#1799,#1799	000069b8	d089	ADD.L	A1,D0
000068c4	07070707	DC.W	#1799,#1799	000069ba	7220	MOVEQ	#32,D1
000068c8	07070707	DC.W	#1799,#1799	000069bc	9280	SUB.L	D0,D1
000068cc	08080808	DC.W	#2056,#2056	000069be	672c	BEQ	L547
000068d0	08080808	DC.W	#2056,#2056	000069c0	4282	CLR.L	D2
000068d4	08080808	DC.W	#2056,#2056	000069c2	3401	MOVE.WD1,D2	
000068d8	08080808	DC.W	#2056,#2056	000069c4	e5a6	ASL.L	D2,D6
000068dc	08080808	DC.W	#2056,#2056	000069c6	200b	MOVE.LA3,D0	
000068e0	08080808	DC.W	#2056,#2056	000069c8	e5a0	ASL.L	D2,D0
000068e4	08080808	DC.W	#2056,#2056	000069ca	7e20	MOVEQ	#32,D7
000068e8	08080808	DC.W	#2056,#2056	000069cc	9e41	SUB.W	D1,D7
000068ec	08080808	DC.W	#2056,#2056	000069ce	3207	MOVE.WD7,D1	
000068f0	08080808	DC.W	#2056,#2056	000069d0	02810000ffff	ANDI.L#\$ffff,D1	
000068f4	08080808	DC.W	#2056,#2056	000069d6	2e2efffc	MOVE.L-4	(A6),D7
000068f8	08080808	DC.W	#2056,#2056	000069da	e2af	LSR.L	D1,D7
000068fc	08080808	DC.W	#2056,#2056	000069dc	2207	MOVE.LD7,D1	
00006900	08080808	DC.W	#2056,#2056	000069de	8081	OR.L	D1,D0
00006904	08080808	DC.W	#2056,#2056	000069e0	2640	MOVEA.L	D0,A3
00006908	08080808	DC.W	#2056,#2056	000069e2	2e2efffc	MOVE.L-4	(A6),D7
0000690c	08080808	DC.W	#2056,#2056	000069e6	e5a7	ASL.L	D2,D7
00006910	08080808	DC.W	#2056,#2056	000069e8	2d47ffff	MOVE.LD7,-4	(A6)
00006914	08080808	DC.W	#2056,#2056	000069ec	2e06	MOVE.LD6,D7	
00006918	08080808	DC.W	#2056,#2056	000069ee	4247	CLR.W	D7
0000691c	08080808	DC.W	#2056,#2056	000069f0	4847	SWAP	D7
00006920	08080808	DC.W	#2056,#2056	000069f2	2d47ffe8	MOVE.LD7,-24	(A6)
00006924	08080808	DC.W	#2056,#2056	000069f6	2e06	MOVE.LD6,D7	
00006928	08080808	DC.W	#2056,#2056	000069f8	02870000ffff	ANDI.L#\$ffff,D7	
0000692c	08080808	DC.W	#2056,#2056	000069fe	2447	MOVEA.L	D7,A2
00006930	08080808	DC.W	#2056,#2056	00006a00	2f2effe8	MOVE.L-24	(A6),-(SP)
00006934	08080808	DC.W	#2056,#2056	00006a04	2f0b	MOVE.LA3,-(SP)	
00006938	08080808	DC.W	#2056,#2056	00006a06	6100f7f4	BSR	L513
0000693c	08080808	DC.W	#2056,#2056	00006a0a	504f	ADDQ.W#8,SP	
00006940	08080808	DC.W	#2056,#2056	00006a0c	2600	MOVE.LD0,D3	
00006944	08080808	DC.W	#2056,#2056	00006a0e	2f2effe8	MOVE.L-24	(A6),-(SP)
00006948	08080808	DC.W	#2056,#2056	00006a12	2f0b	MOVE.LA3,-(SP)	
0000694c	4e56ffe8	LINK	A6,#-24	00006a14	6100043e	BSR	L573
00006950	48e71f30	MOVEM.L	D3-D7/A2/A3,-(SP)	00006a18	504f	ADDQ.W#8,SP	
00006954	242e0008	MOVE.L	8(A6),D2	00006a1a	2a00	MOVE.LD0,D5	
00006958	262e000c	MOVE.L	12(A6),D3	00006a1c	2f0a	MOVE.LA2,-(SP)	
0000695c	202e0010	MOVE.L	16(A6),D0	00006a1e	2f05	MOVE.LD5,-(SP)	
00006960	222e0014	MOVE.L	20(A6),D1	00006a20	6100f7b6	BSR	L512
00006964	2c01	MOVE.L	D1,D6	00006a24	504f	ADDQ.W#8,SP	
00006966	2a00	MOVE.L	D0,D5	00006a26	2400	MOVE.LD0,D2	
00006968	2d43ffff	MOVE.L	D3,-4(A6)	00006a28	2203	MOVE.LD3,D1	
0000696c	2642	MOVEA.L	D2,A3	00006a2a	4841	SWAP	D1
0000696e	4a85	TST.L	D5	00006a2c	4241	CLR.W	D1
00006970	66000330	BNE	L560	00006a2e	202efffc	MOVE.L-4	(A6),D0
00006974	b7c6	CMPLA	LD6,A3	00006a32	4240	CLR.W	D0
00006976	6400012a	BCC	L550	00006a34	4840	SWAP	D0
0000697a	2006	MOVE.L	D6,D0	00006a36	2601	MOVE.LD1,D3	
0000697c	0c860000ffff	CMPI.L#\$ffff,D6		00006a38	8680	OR.L	D0,D3
00006982	6212	BHI	L545	00006a3a	b483	CMP.L	D3,D2
00006984	93c9	SUBA.L	A1,A1	00006a3c	6310	BLS	L548
00006986	0c86000000ff	CMPI.L#\$ff,D6		00006a3e	5385	SUBQ.L	#1,D5

00006a40	d686		ADD.L D6,D3	00006af2	d089		ADD.L A1,D0
00006a42	bc83		CMP.L D3,D6	00006af4	7220		MOVEQ #32,D1
00006a44	6208		BHI L548	00006af6	9280		SUB.L D0,D1
00006a46	b483		CMP.L D3,D2	00006af8	660a		BNE L554
00006a48	6304		BLS L548	00006afa	97c6		SUBA.LD6,A3
00006a4a	5385		SUBQ.L#1,D5	00006afc	347c0001		MOVEA.W #1,A2
00006a4c	d686		ADD.L D6,D3	00006b00	600000e6		BRA L557
00006a4e	9682	L548	SUB.L D2,D3	00006b04	7020	L554	MOVEQ #32,D0
00006a50	2f2effe8		MOVE.L-24(A6),-(SP)	00006b06	9081		SUB.L D1,D0
00006a54	2f03		MOVE.LD3, -(SP)	00006b08	4282		CLR.L D2
00006a56	6100f7a4		BSR L513	00006b0a	3401		MOVE.WD1,D2
00006a5a	504f		ADDQ.W#8,SP	00006b0c	e5a6		ASL.L D2,D6
00006a5c	2800		MOVE.LD0,D4	00006b0e	0280000ffff		ANDI.L#\$ffff,D0
00006a5e	2f2effe8		MOVE.L-24(A6),-(SP)	00006b14	260b		MOVE.LA3,D3
00006a62	2f03		MOVE.LD3, -(SP)	00006b16	e0ab		LSR.L D0,D3
00006a64	610003ee		BSR L573	00006b18	220b		MOVE.LA3,D1
00006a68	504f		ADDQ.W#8,SP	00006b1a	e5a1		ASL.L D2,D1
00006a6a	2600		MOVE.LD0,D3	00006b1c	2e2efffc		MOVE.L-4(A6),D7
00006a6c	2f0a		MOVE.LA2, -(SP)	00006b20	e0af		LSR.L D0,D7
00006a6e	2f03		MOVE.LD3, -(SP)	00006b22	2007		MOVE.LD7,D0
00006a70	6100f766		BSR L512	00006b24	8280		OR.L D0,D1
00006a74	2400		MOVE.LD0,D2	00006b26	2641		MOVEA.L D1,A3
00006a76	2004		MOVE.LD4,D0	00006b28	2e2efffc		MOVE.L-4(A6),D7
00006a78	4840		SWAP D0	00006b2c	e5a7		ASL.L D2,D7
00006a7a	4240		CLR.W D0	00006b2e	2d47fffc		MOVE.LD7,-4(A6)
00006a7c	2800		MOVE.LD0,D4	00006b32	2a06		MOVE.LD6,D5
00006a7e	886efffe		OR.W -2(A6),D4	00006b34	4245		CLR.W D5
00006a82	b484		CMP.L D4,D2	00006b36	4845		SWAP D5
00006a84	630e		BLS L549	00006b38	2e06		MOVE.LD6,D7
00006a86	5383		SUBQ.L#1,D3	00006b3a	02870000ffff		ANDI.L#\$ffff,D7
00006a88	d886		ADD.L D6,D4	00006b40	2447		MOVEA.L D7,A2
00006a8a	bc84		CMP.L D4,D6	00006b42	2f05		MOVE.LD5, -(SP)
00006a8c	6206		BHI L549	00006b44	2f03		MOVE.LD3, -(SP)
00006a8e	b484		CMP.L D4,D2	00006b46	6100f6b4		BSR L513
00006a90	6302		BLS L549	00006b4a	504f		ADDQ.W#8,SP
00006a92	5383		SUBQ.L#1,D3	00006b4c	2800		MOVE.LD0,D4
00006a94	2005	L549	MOVE.LD5,D0	00006b4e	2f05		MOVE.LD5, -(SP)
00006a96	4840		SWAP D0	00006b50	2f03		MOVE.LD3, -(SP)
00006a98	4240		CLR.W D0	00006b52	61000300		BSR L573
00006a9a	2a00		MOVE.LD0,D5	00006b56	504f		ADDQ.W#8,SP
00006a9c	8a83		OR.L D3,D5	00006b58	2d40ffe8		MOVE.LD0,-24(A6)
00006a9e	60000396		BRA L571	00006b5c	2f0a		MOVE.LA2, -(SP)
00006aa2	4a86	L550	TST.L D6	00006b5e	2f2effe8		MOVE.L-24(A6),-(SP)
00006aa4	660e		BNE L551	00006b62	6100f674		BSR L512
00006aa6	42a7		CLR.L -(SP)	00006b66	504f		ADDQ.W#8,SP
00006aa8	48780001		PEA \$0001.W	00006b68	2400		MOVE.LD0,D2
00006aac	610003a6		BSR L573	00006b6a	2204		MOVE.LD4,D1
00006ab0	504f		ADDQ.W#8,SP	00006b6c	4841		SWAP D1
00006ab2	2c00		MOVE.LD0,D6	00006b6e	4241		CLR.W D1
00006ab4	2006	L551	MOVE.LD6,D0	00006b70	200b		MOVE.LA3,D0
00006ab6	0c860000ffff		CMPI.L#\$ffff,D6	00006b72	4240		CLR.W D0
00006abc	6212		BHI L552	00006b74	4840		SWAP D0
00006abe	93c9		SUBA.LA1,A1	00006b76	2801		MOVE.LD1,D4
00006ac0	0c86000000ff		CMPI.L#\$ff,D6	00006b78	8880		OR.L D0,D4
00006ac6	6318		BLS L553	00006b7a	b484		CMP.L D4,D2
00006ac8	327c0008		MOVEA.W #8,A1	00006b7c	6314		BLS L555
00006acc	60000012		BRA L553	00006b7e	53aeffe8		SUBQ.L#1,-24(A6)
00006ad0	327c0018	L552	MOVEA.W #18,A1	00006b82	d886		ADD.L D6,D4
00006ad4	0c8600ffff		CMPI.L#\$ffff,D6	00006b84	bc84		CMP.L D4,D6
00006ada	6204		BHI L553	00006b86	620a		BHI L555
00006adc	327c0010		MOVEA.W #10,A1	00006b88	b484		CMP.L D4,D2
00006ae0	2e09	L553	MOVE.LA1,D7	00006b8a	6306		BLS L555
00006ae2	eea8		LSR.L D7,D0	00006b8c	53aeffe8		SUBQ.L#1,-24(A6)
00006ae4	41fafd66		LEA L543,A0	00006b90	d886		ADD.L D6,D4
00006ae8	10300800		MOVE.B0(A0,D0.L),D0	00006b92	9882	L555	SUB.L D2,D4
00006aec	0280000000ff		ANDI.L#\$ff,D0	00006b94	2f05		MOVE.LD5, -(SP)

00006b96 2f04
00006b98 6100f662
00006b9c 504f
00006b9e 2600
00006ba0 2f05
00006ba2 2f04
00006ba4 610002ae
00006ba8 504f
00006baa 2800
00006bac 2f0a
00006bae 2f04
00006bb0 6100f626
00006bb4 504f
00006bb6 2400
00006bb8 2003
00006bba 4840
00006bbc 4240
00006bbe 2600
00006bc0 3e0b
00006bc2 8647
00006bc4 b483
00006bc6 6310
00006bc8 5384
00006bca d686
00006bcc bc83
00006bce 6208
00006bd0 b483
00006bd2 6304
00006bd4 5384
00006bd6 d686
00006bd8 202effe8
00006bdc 4840
00006bde 4240
00006be0 8084
00006be2 2440
00006be4 2643
00006be6 97c2
00006be8 2e06
00006bea 4247
00006bec 4847
00006bee 2d47ffe8
00006bf2 2e06
00006bf4 02870000ffff
00006bfa 2d47fff8
00006bfe 2f2effe8
00006c02 2f0b
00006c04 6100f5f6
00006c08 504f
00006c0a 2600
00006c0c 2f2effe8
00006c10 2f0b
00006c12 61000240
00006c16 504f
00006c18 2a00
00006c1a 2f07
00006c1c 2f05
00006c1e 6100f5b8
00006c22 504f
00006c24 2400
00006c26 2203
00006c28 4841
00006c2a 4241
00006c2c 202efffc
00006c30 4240
00006c32 4840
00006c34 2601

L556

L557

MOVE.LD4,-(SP)
BSR L513
ADDQ.W#8,SP
MOVE.LD0,D3
MOVE.LD5,-(SP)
MOVE.LD4,-(SP)
BSR L573
ADDQ.W#8,SP
MOVE.LD0,D4
MOVE.LA2,-(SP)
MOVE.LD4,-(SP)
BSR L512
ADDQ.W#8,SP
MOVE.LD0,D2
MOVE.LD3,D0
SWAP D0
CLR.W D0
MOVE.LD0,D3
MOVE.WA3,D7
OR.W D7,D3
CMP.L D3,D2
BLS L556
SUBQ.L#1,D4
ADD.L D6,D3
CMP.L D3,D6
BHI L556
CMP.L D3,D2
BLS L556
SUBQ.L#1,D4
ADD.L D6,D3
MOVE.L-24(A6),D0
SWAP D0
CLR.W D0
OR.L D4,D0
MOVEA.L D0,A2
MOVEA.L D3,A3
SUBA.LD2,A3
MOVE.LD6,D7
CLR.W D7
SWAP D7
MOVE.LD7,-24(A6)
MOVE.LD6,D7
ANDI.L#\$ffff,D7
MOVE.LD7,-8(A6)
MOVE.L-24(A6),-(SP)
MOVE.LA3,-(SP)
BSR L513
ADDQ.W#8,SP
MOVE.LD0,D3
MOVE.L-24(A6),-(SP)
MOVE.LA3,-(SP)
BSR L573
ADDQ.W#8,SP
MOVE.LD0,D5
MOVE.LD7,-(SP)
MOVE.LD5,-(SP)
BSR L512
ADDQ.W#8,SP
MOVE.LD0,D2
MOVE.LD3,D1
SWAP D1
CLR.W D1
MOVE.L-4(A6),D0
CLR.W D0
SWAP D0
MOVE.LD1,D3

00006c36 8680
00006c38 b483
00006c3a 6310
00006c3c 5385
00006c3e d686
00006c40 bc83
00006c42 6208
00006c44 b483
00006c46 6304
00006c48 5385
00006c4a d686
00006c4c 9682
00006c4e 2f2effe8
00006c52 2f03
00006c54 6100f5a6
00006c58 504f
00006c5a 2800
00006c5c 2f2effe8
00006c60 2f03
00006c62 610001f0
00006c66 504f
00006c68 2600
00006c6a 2f2efff8
00006c6e 2f03
00006c70 6100f566
00006c74 2400
00006c76 2004
00006c78 4840
00006c7a 4240
00006c7c 2800
00006c7e 886efffe
00006c82 b484
00006c84 630e
00006c86 5383
00006c88 d886
00006c8a bc84
00006c8c 6206
00006c8e b484
00006c90 6302
00006c92 5383
00006c94 2005
00006c96 4840
00006c98 4240
00006c9a 2a00
00006c9c 8a83
00006c9e 60000198
00006ca2 b7c5
00006ca4 6406
00006ca6 7a00
00006ca8 6000018c
00006cac 2005
00006cae 0c850000ffff
00006cb4 6212
00006cb6 93c9
00006cb8 0c85000000ff
00006cbe 6318
00006cc0 327c0008
00006cc4 60000012
00006cc8 327c0018
00006ccc 0c8500fffff
00006cd2 6204
00006cd4 327c0010
00006cd8 2e09
00006cda eea8
00006cdc 41fafb6e
00006cee 10300800

L558

L559

L560

L561

L562

L563

L564

OR.L D0,D3
CMP.L D3,D2
BLS L558
SUBQ.L#1,D5
ADD.L D6,D3
CMP.L D3,D6
BHI L558
CMP.L D3,D2
BLS L558
SUBQ.L#1,D5
ADD.L D6,D3
SUB.L D2,D3
MOVE.L-24(A6),-(SP)
MOVE.LD3,-(SP)
BSR L513
ADDQ.W#8,SP
MOVE.LD0,D4
MOVE.L-24(A6),-(SP)
MOVE.LD3,-(SP)
BSR L573
ADDQ.W#8,SP
MOVE.LD0,D3
MOVE.L-8(A6),-(SP)
MOVE.LD3,-(SP)
BSR L512
MOVE.LD0,D2
MOVE.LD4,D0
SWAP D0
CLR.W D0
MOVE.LD0,D4
OR.W -2(A6),D4
CMP.L D4,D2
BLS L559
SUBQ.L#1,D3
ADD.L D6,D4
CMP.L D4,D6
BHI L559
CMP.L D4,D2
BLS L559
SUBQ.L#1,D3
MOVE.LD5,D0
SWAP D0
CLR.W D0
MOVE.LD0,D5
OR.L D3,D5
BRA L572
CMPA.LD5,A3
BCC L562
MOVEQ #0,D5
BRA L571
MOVE.LD5,D0
CMPI.L#\$ffff,D5
BHI L563
SUBA.LA1,A1
CMPI.L#\$fff,D5
BLS L564
MOVEA.W #8,A1
BRA L564
MOVEA.W #8,A1
CMPI.L#\$ffffff,D5
BHI L564
MOVEA.W #8,A1
MOVE.LA1,D7
LSR.L D7,D0
LEA L543,A0
MOVE.B0(A0,D0.L),D0

00006ce4	0280000000ff	ANDI.L#\$ff,D0		00006d86	6314	BLS	L567
00006cea	d089	ADD.L A1,D0		00006d88	53aeffe8	SUBQ.L#1,-24(A6)	
00006cec	7220	MOVEQ #32,D1		00006d8c	d885	ADD.L D5,D4	
00006cee	9280	SUB.L D0,D1		00006d8e	ba84	CMP.L D4,D5	
00006cf0	6610	BNE L566		00006d90	620a	BHI L567	
00006cf2	ba8b	CMP.L A3,D5		00006d92	b484	CMP.L D4,D2	
00006cf4	6506	BCS L565		00006d94	6306	BLS L567	
00006cf6	bcaefffc	CMP.L -4(A6),D6		00006d96	53aeffe8	SUBQ.L#1,-24(A6)	
00006cfa	62aa	BHI L561		00006d9a	d885	ADD.L D5,D4	
00006cfc	7a01	MOVEQ #1,D5	L565	00006d9c	9882	SUB.L D2,D4	
00006cfe	60000136	BRA L571		00006d9e	2f0a	MOVE.LA2,-(SP)	
00006d02	7020	MOVEQ #32,D0	L566	00006da0	2f04	MOVE.LD4,-(SP)	
00006d04	9081	SUB.L D1,D0		00006da2	6100f458	BSR L513	
00006d06	4284	CLR.L D4		00006da6	504f	ADDQ.W#8,SP	
00006d08	3801	MOVE.WD1,D4		00006da8	2600	MOVE.LD0,D3	
00006d0a	2205	MOVE.LD5,D1		00006daa	2f0a	MOVE.LA2,-(SP)	
00006d0c	e9a1	ASL.L D4,D1		00006dac	2f04	MOVE.LD4,-(SP)	
00006d0e	4282	CLR.L D2		00006dae	610000a4	BSR L573	
00006d10	3400	MOVE.WD0,D2		00006db2	504f	ADDQ.W#8,SP	
00006d12	2006	MOVE.LD6,D0		00006db4	2800	MOVE.LD0,D4	
00006d14	e4a8	LSR.L D2,D0		00006db6	2f2efff4	MOVE.L-12(A6),-(SP)	
00006d16	2a01	MOVE.LD1,D5		00006dba	2f04	MOVE.LD4,-(SP)	
00006d18	8a80	OR.L D0,D5		00006dbc	6100f41a	BSR L512	
00006d1a	e9a6	ASL.L D4,D6		00006dc0	2400	MOVE.LD0,D2	
00006d1c	260b	MOVE.LA3,D3		00006dc2	2003	MOVE.LD3,D0	
00006d1e	e4ab	LSR.L D2,D3		00006dc4	4840	SWAP D0	
00006d20	220b	MOVE.LA3,D1		00006dc6	4240	CLR.W D0	
00006d22	e9a1	ASL.L D4,D1		00006dc8	2600	MOVE.LD0,D3	
00006d24	202efffc	MOVE.L-4(A6),D0		00006dca	3e0b	MOVE.WA3,D7	
00006d28	e4a8	LSR.L D2,D0		00006dcc	8647	OR.W D7,D3	
00006d2a	8280	OR.L D0,D1		00006dce	b483	CMP.L D3,D2	
00006d2c	2641	MOVEA.L D1,A3		00006dd0	6310	BLS L568	
00006d2e	2e2efffc	MOVE.L-4(A6),D7		00006dd2	5384	SUBQ.L#1,D4	
00006d32	e9a7	ASL.L D4,D7		00006dd4	d685	ADD.L D5,D3	
00006d34	2d47ffff	MOVE.LD7,-4(A6)		00006dd6	ba83	CMP.L D3,D5	
00006d38	2e05	MOVE.LD5,D7		00006dd8	6208	BHI L568	
00006d3a	4247	CLR.W D7		00006dda	b483	CMP.L D3,D2	
00006d3c	4847	SWAP D7		00006ddc	6304	BLS L568	
00006d3e	2447	MOVEA.L D7,A2		00006dde	5384	SUBQ.L#1,D4	
00006d40	2e05	MOVE.LD5,D7		00006de0	d685	ADD.L D5,D3	
00006d42	02870000ffff	ANDI.L#\$ffff,D7		00006de2	202effe8	MOVE.L-24(A6),D0	
00006d48	2d47fff4	MOVE.LD7,-12(A6)		00006de6	4840	SWAP D0	
00006d4c	2f0a	MOVE.LA2,-(SP)		00006de8	4240	CLR.W D0	
00006d4e	2f03	MOVE.LD3,-(SP)		00006dea	2a00	MOVE.LD0,D5	
00006d50	6100f4aa	BSR L513		00006dec	8a84	OR.L D4,D5	
00006d54	504f	ADDQ.W#8,SP		00006dee	2643	MOVEA.L D3,A3	
00006d56	2800	MOVE.LD0,D4		00006df0	97c2	SUBA.LD2,A3	
00006d58	2f0a	MOVE.LA2,-(SP)		00006df2	2005	MOVE.LD5,D0	
00006d5a	2f03	MOVE.LD3,-(SP)		00006df4	2206	MOVE.LD6,D1	
00006d5c	610000f6	BSR L573		00006df6	2400	MOVE.LD0,D2	
00006d60	504f	ADDQ.W#8,SP		00006df8	4840	SWAP D0	
00006d62	2d40ffe8	MOVE.LD0,-24(A6)		00006dfa	2601	MOVE.LD1,D3	
00006d66	2f07	MOVE.LD7,-(SP)		00006dfc	4841	SWAP D1	
00006d68	2f2effe8	MOVE.L-24(A6),-(SP)		00006dfe	3802	MOVE.WD2,D4	
00006d6c	6100f46a	BSR L512		00006e00	c8c3	MULU.WD3,D4	
00006d70	504f	ADDQ.W#8,SP		00006e02	c4c1	MULU.WD1,D2	
00006d72	2400	MOVE.LD0,D2		00006e04	c6c0	MULU.WD0,D3	
00006d74	2204	MOVE.LD4,D1		00006e06	c2c0	MULU.WD0,D1	
00006d76	4841	SWAP D1		00006e08	2004	MOVE.LD4,D0	
00006d78	4241	CLR.W D1		00006e0a	b140	EOR.W D0,D0	
00006d7a	200b	MOVE.LA3,D0		00006e0c	4840	SWAP D0	
00006d7c	4240	CLR.W D0		00006e0e	d480	ADD.L D0,D2	
00006d7e	4840	SWAP D0		00006e10	d483	ADD.L D3,D2	
00006d80	2801	MOVE.LD1,D4		00006e12	6406	BCC L569	
00006d82	8880	OR.L D0,D4		00006e14	068100010000	ADDI.L#\$10000,D1	
00006d84	b484	CMP.L D4,D2		00006e1a	4842	SWAP D2	


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00006e1c 7000 MOVEQ #0,D0
00006e1e 3002 MOVE.WD2,D0
00006e20 3404 MOVE.WD4,D2
00006e22 2042 MOVEA.L D2,A0
00006e24 d081 ADD.L D1,D0
00006e26 2c00 MOVE.LD0,D6
00006e28 b7c6 CMPA.LD6,A3
00006e2a 6508 BCS L570
00006e2c 6608 BNE L571
00006e2e b1eefffc CMPA.L-4(A6),A0
00006e32 6302 BLS L571
00006e34 5385 L570 SUBQ.L#1,D5
00006e36 95ca L571 SUBA.LA2,A2
00006e38 2d45fff0 L572 MOVE.LD5,-16(A6)
00006e3c 2d4affec MOVE.LA2,-20(A6)
00006e40 202effec MOVE.L-20(A6),D0
00006e44 222efff0 MOVE.L-16(A6),D1
00006e48 4cee0cf8ffcc MOVEM.L -52(A6),D3-D7/A2/A3
00006e4e 4e5e UNLK A6
00006e50 4e75 RTS

-----
00006e52 0000 DC.W #0
00006e54 2f02 MOVE.LD2,-(SP)
00006e56 222f000c MOVE.L12(SP),D1
00006e5a 202f0008 MOVE.L8(SP),D0
00006e5e 0c8100010000 CMPI.L#$10000,D1
00006e64 6416 BCC L574
00006e66 2400 MOVE.LD0,D2
00006e68 4242 CLR.W D2
00006e6a 4842 SWAP D2
00006e6c 84c1 DIVU.WD1,D2
00006e6e 3002 MOVE.WD2,D0
00006e70 4840 SWAP D0
00006e72 342f000a MOVE.W10(SP),D2
00006e76 84c1 DIVU.WD1,D2
00006e78 3002 MOVE.WD2,D0
00006e7a 6032 BRA L577
00006e7c 2401 L574 MOVE.LD1,D2
00006e7e e289 L575 LSR.L #1,D1
00006e80 e288 LSR.L #1,D0
00006e82 0c8100010000 CMPI.L#$10000,D1
00006e88 64f4 BCC L575
00006e8a 80c1 DIVU.WD1,D0
00006e8c 02800000ffff ANDI.L#$ffff,D0
00006e92 2202 MOVE.LD2,D1
00006e94 c2c0 MULU.WD0,D1
00006e96 4842 SWAP D2
00006e98 c4c0 MULU.WD0,D2
00006e9a 4842 SWAP D2
00006e9c 08020000 BTST.L#0,D2
00006ea0 660a BNE L576
00006ea2 d282 ADD.L D2,D1
00006ea4 6506 BCS L576
00006ea6 b2af0008 CMP.L 8(SP),D1
00006eaa 6302 BLS L577
00006eac 5380 SUBQ.L#1,D0
00006eae 241f MOVE.L(SP)+,D2
00006eb0 4e75 RTS

-----
00006eb2 0000 DC.W #0

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Label Address : Used by (B=Branch, S=Call Subroutine, L=Load)
-----
L1 00000010 : 00000cdc(S) 0000185e(S)
L2 00000026 : 0000001c(B)
L3 0000002a : 00000022(B)
L4 00000032 : 0000014a(S) 00000486(S)
L5 00000062 : 00000052(B) 0000005c(B)
L6 00000066 : 000001da(S) 000003a4(S) 00000560(S)
000008d4(S)
L7 0000007a : 00000072(B)
L8 00000090 : 00000080(B)
L9 00000098 : 00000174(L)
L11 000000da : 000019d8(L)
L12 00000118 : 0000010a(L)
L13 00000236 : 00000220(B)
L14 00000250 : 00000232(B)
L15 0000025c : 0000022e(B) 0000024a(B)
L16 00000260 : 0000023a(B)
L17 000002aa : 00000298(B)
L18 000002be : 0000029e(B)
L19 000002d6 : 000002a4(B)
L20 000002f0 : 00000296(B)
L21 0000032c : 00000326(B)
L22 00000344 : 00000338(B)
L23 0000035c : 000002ae(B)
L24 00000382 : 0000037c(B)
L25 0000039a : 000002b6(B)
L26 0000039e : 00000396(B)
L27 000003a4 : 00000390(B)
L28 000003ae : 000001d6(B) 000001fc(B) 00000272(B)
000002d2(B)
L29 000003b2 : 000002ec(B) 00000358(B)
000002a6(B) 00000100(B) 000001de(B) 00000268(B)
L30 000003c4 : 000002ba(B)
L31 000003f4 : 000004de(L)
L32 0000040c : 000004ea(L)
L33 00000444 : 00000446(L)
L34 00000454 : 00000446(L)
L35 000005fc : 000005de(B) 000005ec(B)
L36 00000616 : 000005d8(B)
L37 00000642 : 00000620(B) 00000630(B)
L38 0000065c : 00000612(B)
00000656(B) 00000668 : 00000600(B) 0000060e(B) 00000646(B)
L39 0000066c : 0000061a(B)
L40 0000067c : 00000670(B)
L41 000006e4 : 000006d8(B)
L42 000006f0 : 000006d0(B)
L43 00000704 : 000006f8(B)
L44 00000710 : 000006de(B)
L45 00000728 : 000006d6(B)
L46 00000742 : 000006ce(B)
L47 0000075a : 000006fe(B)
L48 00000774 : 000006e8(B)
L49 000007c6 : 000007c0(B)
L50 000007da : 000007d4(B)
L51 000007f2 : 000007e6(B)
L52 00000812 : 000006f4(B)
L53 00000862 : 00000856(B)
L54 00000868 : 00000888(B)
L55 00000882 : 00000874(B)
L56 00000884 : 0000087a(B) 0000087e(B)
L57 0000088e : 0000085e(B)
L58 00000898 : 00000892(B)

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Label Cross Reference

76881-L573

768AA

768DE

Divide 32-bit

D1=91E

D0 = 91AF6B568
 D2 = 91AF6B568
 D2 = 91AF6B568 / 91E = 9EB6
 D0 = 900E61AP6

D2 = 9B568
 D2 = 9B568 / 91E = 9171D
 D0 = 900E6171D

else

0000184a (B)		00001814 (B)	00001832 (B)	0000183c (B)	L221	00001dd4 :	00001eae (S)	00001eba (S)
		00001856 (B)	00001864 (B)	00001882 (B)	L222	00001e52 :	000025a4 (S)	000025ca (S)
L162	00001734 :	00001724 (B)			L223	00001ec8 :	00001eee (L)	
L163	00001752 :	00001732 (B)			L224	00001ecc :	00001ef6 (L)	
L164	000017c0 :	00001792 (B)			L225	00001ed0 :	00002302 (S)	0000248c (S)
L165	000017f6 :	000017c4 (B)			L226	00001ef6 :	00001eec (B)	
L166	00001808 :	00001800 (B)			L227	00001efa :	00001ef2 (B)	
L167	00001836 :	0000182a (B)			L228	00001f0e :	00002038 (L)	
L168	00001840 :	00001830 (B)			L230	00001f14 :	0000209e (L)	
L169	0000184e :	00001828 (B)			L231	00001f18 :	000020a6 (L)	
L170	00001868 :	0000183a (B)			L232	00001f1c :	000020ae (L)	
L171	000018c2 :	000018b4 (L)			L233	00001f20 :	000020b6 (L)	
L172	000018f8 :	000018f0 (B)			L234	00001f24 :	000020be (L)	
L173	00001964 :	00001804 (B)			L235	00001f28 :	000020c6 (L)	
L174	0000196e :	00001714 (B)	0000180c (B)	000018aa (B)	L237	00001f2e :	000020d6 (L)	
00001912 (B)					L239	00001f34 :	000020e6 (L)	
		0000191e (B)	0000192a (B)	00001956 (B)	L241	00001f3a :	000020f6 (L)	
L175	00001974 :	00001644 (B)	0000173e (B)	0000174e (B)	L243	00001f40 :	00002106 (L)	
00001756 (B)					L245	00001f46 :	00002116 (L)	
L176	00001986 :	00001d72 (S)			L247	00001f4c :	00002126 (L)	
L177	000019c0 :	000019b4 (B)			L249	00001f52 :	00002136 (L)	
L178	000019d0 :	000019ba (B)			L251	00001f58 :	00002146 (L)	
L179	000019d8 :	000019b2 (B)			L253	00001f5e :	00002156 (L)	
L180	000019e0 :	000019ca (B)			L254	00001f62 :	0000215e (L)	
L181	000019e8 :	000019c4 (B)			L255	00001f66 :	00002166 (L)	
L182	000019ec :	000019d4 (B)	000019dc (B)	000019e4 (B)	L256	00001f6a :	0000216e (L)	
L183	000019f4 :	000019bc (B)	000019cc (B)		L257	00001f6e :	00002176 (L)	
L184	000019f8 :	00001998 (B)			L258	00001f72 :	00002196 (L)	
L185	00001a08 :	00001b7a (L)			L260	00001f78 :	000021a6 (L)	
L187	00001a38 :	00001da2 (S)			L262	00001f7e :	000021c4 (L)	000021f6 (L)
L188	00001a8c :	00001a96 (B)			L263	00001f80 :	000021d8 (L)	0000220a (L)
L189	00001a9a :	00001aa6 (B)			L264	00001f82 :	00002228 (L)	0000225a (L)
L190	00001b2a :	00001b34 (B)			L265	00001f84 :	0000223c (L)	0000226e (L)
L191	00001b3c :	00001a5c (B)			L266	00001f86 :	00002239c (S)	0000229e (S)
L192	00001b92 :	00001b78 (B)			L267	00001fac :	00001fa8 (B)	
L193	00001bbc :	00001b96 (B)	00001b9c (B)	00001ba6 (B)	L268	00002040 :	00002036 (B)	
00001bac (B)					L269	00002048 :	00002030 (B)	
		00001bb4 (B)			L270	000020a6 :	0000209c (B)	
L194	00001bc2 :	00001bd6 (B)			L271	000020ae :	00002096 (B)	
L195	00001bc8 :	00001bba (B)			L272	000020b6 :	00002090 (B)	
L196	00001bd2 :	00001bde (B)			L273	000020be :	0000208a (B)	
L197	00001be0 :	00001bbe (B)	00001bc4 (B)	00001bd0 (B)	L274	000020c6 :	00002084 (B)	
L198	00001bf8 :	00001b5e (B)			L275	000020ce :	0000207e (B)	
L199	00001c14 :	00001b42 (B)	00001bee (B)		L276	000020d6 :	00002078 (B)	
L200	00001c30 :	00001c10 (B)			L277	000020de :	00002072 (B)	
L201	00001c3a :	00001db8 (S)			L278	000020e6 :	0000206c (B)	
L202	00001c70 :	00001c64 (B)			L279	000020ee :	00002064 (B)	
L203	00001c82 :	00001c76 (B)			L280	000020f6 :	0000205c (B)	
L204	00001c92 :	00001c88 (B)			L281	000020fe :	00002054 (B)	
L205	00001c9a :	00001db4 (S)			L282	00002106 :	0000204c (B)	
L206	00001cb2 :	00001d8a (B)			L283	0000210e :	0000202a (B)	
L207	00001cc2 :	00001cba (B)			L284	00002116 :	00002022 (B)	
L208	00001cca :	00001cc0 (B)			L285	0000211e :	0000201a (B)	
L209	00001cce :	00001cc6 (B)			L286	00002126 :	00002012 (B)	
L210	00001cf4 :	00001cea (B)			L287	0000212e :	0000200a (B)	
L211	00001cf6 :	00001cf0 (B)			L288	00002136 :	00002002 (B)	
L212	00001d10 :	00001d08 (B)			L289	0000213e :	00001ffa (B)	
L213	00001d50 :	00001cfe (B)	00001d0e (B)	00001d32 (B)	L290	00002146 :	00001ff2 (B)	
L214	00001d84 :	00001d5a (B)	00001d6e (B)	00001d7a (B)	L291	0000214e :	00001fea (B)	
L215	00001d98 :	00002654 (S)	000028a6 (L)		L292	00002156 :	00001fe2 (B)	
L216	00001db4 :	00001da8 (B)			L293	0000215e :	00001fda (B)	
L217	00001dc0 :	00001da0 (B)			L294	00002166 :	00001fd2 (B)	
L218	00001dca :	00001dbc (B)			L295	0000216e :	00001fca (B)	
L219	00001dcc :	00001db0 (B)	00001dc6 (B)		L296	00002176 :	00001fc2 (B)	
L220	00001dd0 :	00001e16 (L)			L297	0000217a :	0000203c (B)	00002044 (B) 000020a2 (B)
					000020aa (B)			

000020ca (B)		000020b2 (B)	000020ba (B)	000020c2 (B)	L349	0000285a :	00002846 (B)	
					L350	00002864 :	0000264a (S)	
000020ea (B)		000020d2 (B)	000020da (B)	000020e2 (B)	L351	000028b8 :	00002872 (B)	0000288c (B)
					L352	000028ba :	000028b4 (B)	
0000210a (B)		000020f2 (B)	000020fa (B)	00002102 (B)	L353	000028c4 :	00000f84 (S)	
					L354	000029b4 :	000029d8 (B)	
0000212a (B)		00002112 (B)	0000211a (B)	00002122 (B)	L355	000029c2 :	000029aa (B)	
					L356	000029ca :	000029e2 (B)	
0000214a (B)		00002132 (B)	0000213a (B)	00002142 (B)	L357	000029e4 :	000029c8 (B)	
					L358	00002a2e :	000029b0 (B)	000029be (B)
0000216a (B)		00002152 (B)	0000215a (B)	00002162 (B)	L359	00002a3a :	0000293c (S)	00002a0e (S)
					L360	00002a90 :	00002a74 (S)	
L298	0000219e :	00002172 (B)			L361	00002ad2 :	00002ac8 (B)	
L299	000021a6 :	00002194 (B)			L362	00002adc :	00002ab6 (S)	
L300	000021ae :	0000218e (B)			L363	00002af6 :	00002b36 (B)	
L301	000021b2 :	0000219a (B)	000021a2 (B)	000021aa (B)	L364	00002af8 :	00002b24 (B)	
L302	000021d8 :	000021c2 (B)			L365	00002b0a :	00002afe (B)	
L303	000021e6 :	000021d4 (B)			L366	00002b10 :	00002b06 (B)	
L304	0000220a :	000021f4 (B)			L367	00002b38 :	00002af4 (B)	
L305	00002218 :	00002206 (B)			L368	00002b42 :	00002b0c (S)	
L306	0000223c :	00002226 (B)			L369	00002b5c :	00002b50 (B)	
L307	0000224a :	00002238 (B)			L370	00002b5e :	00002b58 (B)	
L308	0000226e :	00002258 (B)			L371	00002b74 :	00002b68 (B)	
L309	0000227c :	0000226a (B)			L372	00002b76 :	00002b70 (B)	
L310	0000228c :	000019e8 (L)			L373	00002b84 :	00002b02 (S)	
L311	000022c0 :	000022b4 (B)			L374	00002ba0 :	00002b12 (S)	00002b18 (S) 00002c80 (S)
L312	000023aa :	000022c4 (B)			00002d22 (S)			
L313	000023b8 :	000022b0 (B)			L375		00002d28 (S)	
L314	000023dc :	000023ce (L)			L376	00002bc0 :	00002bae (B)	
L315	00002472 :	00002466 (B)			L377	00002bc8 :	00002bbc (B)	
L316	00002474 :	0000246e (B)			L378	00002bda :	00002bca (B)	
L317	000024c4 :	000024ba (B)			L379	00002be0 :	00002bd6 (B)	
L318	000024cc :	000024b4 (B)			L380	00002be4 :	00002aac (S)	00002abe (S)
L319	000024d4 :	000024ae (B)			L381	00002c00 :	00002ce0 (B)	
L320	000024d8 :	000024c0 (B)	000024c8 (B)	000024d0 (B)	L382	00002c2a :	00002cd2 (B)	
L321	000024f8 :	000024e8 (B)			L383	00002c60 :	00002ca8 (B)	
L322	00002508 :	000024f4 (B)	000024fc (B)		L384	00002caa :	00002c58 (B)	
L323	000025a2 :	000023a6 (B)			L385	00002cf8 :	00002ace (S)	
L324	000025c8 :	000022b8 (B)			L386	00002d1e :	00002d84 (B)	
L325	000025d6 :	000022bc (B)	000022cc (B)	000023b4 (B)	L387	00002d20 :	00002d34 (B)	
000023c4 (B)					L388	00002d7e :	00002d5c (B)	
					L389	00002d90 :	00002a58 (S)	
L326	000025e8 :	00002494 (B)	000025ac (B)	000025c4 (B)	L390	00002dac :	0000294e (S)	0000295a (S)
00002830 (L)		00000008 (S)	000026cc (L)	000027e2 (L)	L391	00002dba :	00002dc0 (B)	000028fa (S)
					L392	00002dc8 :	000028ea (S)	
L327	0000261a :	0000289a (L)			L393	00002de0 :	00002df2 (B)	
L328	0000263e :	00002608 (B)			L394	00002df4 :	00002ddc (B)	
L329	00002640 :	0000262c (B)			L395	00002e0e :	00002e30 (B)	
L330	00002678 :	0000263a (B)			L396	00002e32 :	00002e0c (B)	
L331	00002682 :	00002616 (B)			L397	00002e36 :	0000296a (S)	
L334	000026b4 :	00002736 (L)			L398	00002e76 :	00002e64 (S)	
L335	00002728 :	00002636 (S)			L399	00002e8e :	00002eb8 (B)	
L336	0000274e :	000027b4 (B)			L400	00002eaa :	00002e9e (B)	
L337	00002774 :	00002734 (B)			L401	00002eb0 :	00002ea6 (B)	
L338	00002784 :	00002768 (B)			L402	00002eba :	00002e8a (B)	
L339	0000278e :	0000276e (B)			L403	00002ec6 :	00002e5c (S)	
L340	00002798 :	00002770 (B)	00002778 (B)		L404	00002ee0 :	00002f02 (B)	
L341	000027b0 :	00002780 (B)	0000278a (B)	00002794 (B)	L405	00002f04 :	00002ede (B)	
L342	000027b8 :	00002720 (B)			L406	00002f0e :	0000290c (S)	00002a68 (S)
L343	000027c4 :	000026da (B)	0000270c (B)		L407	00002f24 :	00002f2e (B)	
L344	000027ce :	00002646 (S)			L408	00002f30 :	00002f22 (B)	
L345	000027f8 :	00002810 (B)			L409	00002f4a :	00002f5e (B)	
L346	00002812 :	000027f6 (B)			L410	00002f5a :	00002f52 (B)	
L347	0000281c :	00002660 (S)			L411	00002f60 :	00002f48 (B)	
L348	00002848 :	00002858 (B)			L412	00002f62 :	00002f56 (B)	
						0000302c :	0000394c (L)	00003978 (L)

L514	00006228 :	00006388 (L)	0000644a (L)	0000664c (L)	00006a14 (S)			
L515	00006328 :	00000efa (S)					00006a64 (S)	00006aac (S) 00006b52 (S)
L516	00006374 :	00006360 (B)			00006ba4 (S)			
L517	00006384 :	0000636a (B)	00006370 (B)	0000637e (B)			00006c12 (S)	00006c62 (S) 00006d5c (S)
L518	000063d4 :	000063a0 (B)			00006dae (S)			
L519	00006406 :	00006354 (B)			L574	00006e7c :	00006e64 (B)	
L520	0000641a :	0000640a (B)			L575	00006e7e :	00006e88 (B)	
L521	00006436 :	00006422 (B)			L576	00006eac :	00006ea0 (B)	00006ea4 (B)
L522	00006446 :	0000642c (B)	00006432 (B)	00006440 (B)	L577	00006eae :	00006e7a (B)	00006eaa (B)
L523	0000646a :	00006462 (B)			-----			
L524	000064fe :	000064f0 (B)	000064f6 (B)	000064fa (B)	---			
L525	00006544 :	00006536 (B)	0000653c (B)	00006540 (B)				
L526	00006548 :	00006466 (B)						
L527	00006576 :	00006402 (B)						
L528	000065a2 :	00006594 (B)	0000659a (B)	0000659e (B)				
L529	000065e6 :	000065d8 (B)	000065de (B)	000065e2 (B)				
L530	00006604 :	0000634e (B)						
L531	00006618 :	00006608 (B)						
L532	00006636 :	00006622 (B)						
L533	00006648 :	0000662c (B)	00006632 (B)	00006642 (B)				
L534	00006672 :	0000666a (B)						
L535	00006686 :	00006670 (B)						
L536	00006694 :	00006664 (B)						
L537	0000674c :	00006730 (B)	0000673e (B)	00006742 (B)				
L538	0000679c :	00006784 (B)	00006790 (B)	00006794 (B)				
L539	000067d2 :	000067ca (B)						
L540	000067ec :	000067e2 (B)						
L541	000067fc :	000067e4 (B)	000067ea (B)					
L542	0000682e :	00006600 (B)	00006614 (B)	00006690 (B)				
L543	0000684c :	000069aa (L)	00006ae4 (L)	00006cdc (L)				
L544	0000694c :	00000f1c (S)						
L545	00006996 :	00006982 (B)						
L546	000069a6 :	0000698c (B)	00006992 (B)	000069a0 (B)				
L547	000069ec :	000069be (B)						
L548	00006a4e :	00006a3c (B)	00006a44 (B)	00006a48 (B)				
L549	00006a94 :	00006a84 (B)	00006a8c (B)	00006a90 (B)				
L550	00006aa2 :	00006976 (B)						
L551	00006ab4 :	00006aa4 (B)						
L552	00006ad0 :	00006abc (B)						
L553	00006ae0 :	00006ac6 (B)	00006acc (B)	00006ada (B)				
L554	00006b04 :	00006af8 (B)						
L555	00006b92 :	00006b7c (B)	00006b86 (B)	00006b8a (B)				
L556	00006bd8 :	00006bc6 (B)	00006bce (B)	00006bd2 (B)				
L557	00006be8 :	00006b00 (B)						
L558	00006c4c :	00006c3a (B)	00006c42 (B)	00006c46 (B)				
L559	00006c94 :	00006c84 (B)	00006c8c (B)	00006c90 (B)				
L560	00006ca2 :	00006970 (B)						
L561	00006ca6 :	00006cfa (B)						
L562	00006cac :	00006ca4 (B)						
L563	00006cc8 :	00006cb4 (B)						
L564	00006cd8 :	00006cbe (B)	00006cc4 (B)	00006cd2 (B)				
L565	00006cfc :	00006cf4 (B)						
L566	00006d02 :	00006cf0 (B)						
L567	00006d9c :	00006d86 (B)	00006d90 (B)	00006d94 (B)				
L568	00006de2 :	00006dd0 (B)	00006dd8 (B)	00006ddc (B)				
L569	00006e1a :	00006e12 (B)						
L570	00006e34 :	00006e2a (B)						
L571	00006e36 :	00006a9e (B)	00006ca8 (B)	00006cfe (B)				
00006e2c (B)		00006e32 (B)						
L572	00006e38 :	00006c9e (B)						
L573	00006e54 :	00002f94 (S)	000061c6 (S)	00006208 (S)				
000063fa (S)								
		00006412 (S)	000064cc (S)	00006514 (S)				
0000656e (S)								
		000065b8 (S)	00006706 (S)	00006762 (S)				