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0000
                                         This file is generated by The Interactive Disassembler (IDA)
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0000
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                              File Name : D:\markm\pace\pacedev.net\sw\dev\platform\galaga\xevious\sub2.bin
Format : Binary File
Base Address: 0000h Range: 0000h - 1000h Loaded length: 1000h
0000
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0000
                            ; Target assembler: Table Driven Assembler (TASM) by Speech Technology Inc.
0000
0000
0000
                            ; Segment type: Pure code ; segment 'seg000'
0000
0000
0000
0000
                            RESET:
0000 31 00 A3
0003 C3 7F 00
0003
0006 00 00
                                                                   sp, 0A300h
START
                                                      1d
                                                      jp
                                                      .db 0, 0
0008
0008
0008
                                                      SUBROUTINE
0008
0008
0008 87
0008
                                                                                             ; CODE XREF: sub_0_248+3D|p; sub_0_28B+74|p ...
                            HL_plus_equals_2A:
                                                      add
0009 30 05
                                                      jr
inc
                                                                   nc, HL_plus_equals_A
0009 30 05
000B 24
000C 18 02
000C
000C
000C
000C
                                                                   h
HL_plus_equals_A
                            ; End of function HL_plus_equals_2A
                                                      .db 0, 0
0010
0010
0010
0010
0010
0010
                                  SUBROUTINE
                                                                                             ; CODE XREF: HL_plus_equals_2A+1^j; HL_plus_equals_2A+4^j; ...
                            HL plus equals A:
0010 85
0010 0011 6F
0012 D0
                                                                   a, 1
1, a
nc
                                                      ld
       D0
24
C9
                                                      ret
0012
0013
0014
0014
                            ; End of function HL_plus_equals_A
0014
0014
0015 00 00 00
0018
0018
                                                      .db 0, 0, 0
                            ; SUBROUTINE ...
0018
0018
0018
                                                                                              ; CODE XREF: memset_HL_A_B+2\f; sub_0_214+27\frac{1}{p} ...; store A
                            memset HL A B:
0018
0018 77
0018
0019 23
001A 10 FC
001C C9
001C
                                                                    (hl), a
                                                      inc
                                                                                                next address
                                                      dinz
                                                                   memset HL A B
                            ret; End of function memset_HL_A_B
001C
001D 00 00 00
0020
0020
                                                      .db 0, 0, 0
                               SUBROUTINE
0020
0020
0020
0020
                                                                                             ; CODE XREF: sub_0_307+24|p; sub_0_307+84|p
                            get volume channel A:
0020 0020 3A 98 A0 0020 0023 A7 0024 28 0B 0026 3D 0027 28 04 0029 21 90 A0 002C C9 002D
                                                      1 d
                                                                   a, (channel)
                                                      and
                                                                   a
z, loc_0_31
                                                      jr
dec
                                                                   z, loc_0_2D
hl, R_ch2_vol
                                                      ret
002D
002D
002D
002D 21 8B A0
                            loc_0_2D:
                                                                                             ; CODE XREF: get_volume_channel_A+7^j
                                                                   hl, R_ch1_vol
                                                      ld
0030 C9
0031
0031
0031
                                                      ret
                            loc 0 31:
                                                                                              ; CODE XREF: get volume channel A+41j
0031 21 86 A0
0034 C9
0034
                                                      1d
                                                                   hl, R_ch0_vol
                            ; End of function get volume channel A
0034
0, 0, 0, 0, 0,
0, 0, 0, 0, 0,
0, 0, 0, 0, 0,
                                                      .db 0,
.db 0,
.db 0,
                                                                 0, 0,
0, 0,
0, 0,
                                                                           0, 0, 0, 0,
0, 0, 0, 0,
0, 0, 0, 0,
                                                                                                                       0, 0,
0, 0,
0, 0,
0066
0066
0066
                            NMI:
0066  
0067   3A   80   A0  
006A   A7  
006B   28   03  
006D   F1  
006E   ED   45  
0070  
0070  
                                                      push
ld
and
                                                                   a, (R_busy_in_NMI)
a ; 1
z, loc_0_70 ; ;
af
                                                                                             ; busy?
; no, continue
                                                      ir
                                                      pop
retn
0070
0070 3E 01
0072 32 80 A0
0075 32 22 68
                                                                                             ; CODE XREF: 0000:006B\uparrowj; flag busy in NMI
                            loc_0_70:
                                                      ld
ld
                                                                   a, 1 , , (R_busy_in_NMI), a (6822h), a ;
                                                                                             ; sub2 IRO disable
                                                      ld
0078 AF
0079 32 22 68
                                                                    (6822h), a
                                                                                             ; sub2 IRQ enable
```

007C							
	СЗ	9A	00		jp	process_NMI	
007F 007F				;			
007F 007F	2.11	0.1		START:	1		CODE XREF: 0000:00031j
0081	32	22			ld ld		sub2 IRQ disable
0084 0087					call ld	calc_rom_checksum hl, 0A000h	
008A	36	00			ld	(hl), 0	
008C 008F					ld ld	de, 0A001h bc, 0FFh	
0092 0094	ED				ldir	;	clear A000-A0FF
0095		22	68		xor ld	a (6822h), a ;	sub2 IRQ enable
0098				loc_0_98:		;	CODE XREF: 0000:0098/j
0098		FE			jr		loop until interrupted
009A 009A				;			
009A	21	01	7.0	process_NMI:	1.4		CODE XREF: 0000:007C <sup>†</sup> j
009A 009D	36	00			ld ld	hl, R_ch0_freq_hi (hl), 0	
009F 00A2					ld ld	de, R_ch0_freq bc, 0Fh	
00A5	ED	В0			ldir	;	clear all channel freq, vol
00A7 00AA		94	A0		ld and	a, (unk_0_A094) a	
00AB	28		3.0		jr	z, loc_0_B8	
00AD 00B0	86	00	AU		ld add	hl, 0A000h a, (hl)	
00B1 00B2					ld xor	(hl), a a	
00B3	32		A0		ld	(unk_0_A094), a	
00B6 00B8		16		;	jr	loc_0_CE	
00B8				, 0.70			construction constitution
00B8 00B8	3A	28	80	loc_0_B8:	ld	a, (8028h)	CODE XREF: 0000:00AB <sup>†</sup> j
00BB 00BC	Α7				and jr	a z, loc_0_CE	
00BE	21	01	A0		ld	hl, 0A001h	
00C1 00C3			A0		ld ld	(hl), 0 de, 0A002h	
00C6	01	26			ld	bc, 26h ; '&'	1 2001 2007
00C9 00CB			01		ldir jp	loc_0_1D2 ;	clear A001-A027
00CE				;			
00CE				loc_0_CE:			CODE XREF: 0000:00B6†j
00CE	3A	02	A0		ld	a, (unk 0 A002)	0000:00BC1j
00D1					and	a	
00D2 00D4			A0		jr ld	z, loc_0_DF hl, 0A095h	
00D7			0.2		ld	(hl), 2 sub 0 28B	
00D9 00DC					call jp	loc_0_1D2	
00DF 00DF				;			
00DF				loc_0_DF:			CODE XREF: 0000:00D2 <sup>†</sup> j
00DF 00E2		03	A0		ld and	a, (unk_0_A003) a	
00E3			3.0		jr	z, loc_0_F0	
00E5 00E8		95	AU		ld	hl, 0A095h	
000		03			ld	(hl), 3	
00EA	36 CD	8B			call	sub_0_28B	
00EA 00ED 00F0	36 CD	8B		;			
00EA 00ED	36 CD C3	8B D2	01	;	call	sub_0_28B loc_0_1D2	CODE XREF: 0000:00E3 <sup>†</sup> i
00EA 00ED 00F0 00F0 00F0 00F0	36 CD C3	8B D2	01	;	call jp	sub_0_28B loc_0_1D2 ;	CODE XREF: 0000:00E31j
00EA 00ED 00F0 00F0 00F0	36 CD C3 3A A7	8B D2 04	01	;loc_0_F0:	call jp	sub_0_28B loc_0_1D2	CODE XREF: 0000:00E31j
00EA 00ED 00F0 00F0 00F0 00F3 00F4 00F6	36 CD C3 3A A7 28 21	8B D2 04 0B 95	01 A0	;	call jp  ld and jr ld	sub_0_28B loc_0_1D2 , a, (unk_0_A004) a z, loc_0_101 h1, 0A095h	CODE XREF: 0000:00E31j
00EA 00ED 00F0 00F0 00F0 00F3 00F4 00F6 00F9	36 CD C3 3A A7 28 21 36 CD	8B D2 04 0B 95 04 8B	01 A0 A0 02	;loc_0_F0:	call jp	sub_0_28B loc_0_1D2 ; a, (unk_0_A004); a z, loc_0_101 hl, 0A095h (hl), 4 sub_0_28B	CODE XREF: 0000:00E31j
00EA 00ED 00F0 00F0 00F0 00F3 00F4 00F6 00F9 00FB 00FE 0101	36 CD C3 3A A7 28 21 36 CD	8B D2 04 0B 95 04 8B	01 A0 A0 02	;	call jp	sub_0_28B loc_0_1D2 ; a, (unk_0_A004); a z, loc_0_101 hl, 0A095h (hl), 4	CODE XREF: 0000:00E3fj
00EA 00ED 00F0 00F0 00F0 00F3 00F4 00F6 00F9 00FB 00FE 0101	36 CD C3 3A A7 28 21 36 CD	8B D2 04 0B 95 04 8B	01 A0 A0 02	;	call jp	sub_0_28B loc_0_1D2 ; a, (unk_0_A004) a z, loc_0_101 hl, 0A095h (hl), 4 sub_0_28B loc_0_1D2	
00EA 00ED 00F0 00F0 00F0 00F3 00F4 00F6 00F9 00FB 0101 0101 0101	36 CD C3 3A A7 28 21 36 CD C3	8B D2 04 08 95 04 8B D2	01 A0 A0 02 01	;	ld and jr ld ld call jp	sub_0_28B loc_0_1D2  a, (unk_0_A004); a z, loc_0_101 h1, 0A095h (h1), 4 sub_0_28B loc_0_1D2  a, (unk_0_A00E);	CODE XREF: 0000:00E31j
00EA 00ED 00F0 00F0 00F0 00F3 00F4 00F6 00F9 00FB 0101 0101 0101	36 CD C3 3A A7 28 21 36 CD C3	8B D2 04 08 95 04 8B D2	01 A0 A0 02 01	;	call jp  ld and jr ld call jp	sub_0_28B loc_0_1D2;  a, (unk_0_A004); a z, loc_0_101 h1, 0A095h (h1), 4 sub_0_28B loc_0_1D2;  a, (unk_0_A00E); a	
00EA 00ED 00F0 00F0 00F0 00F0 00F6 00F9 00FB 00FE 0101 0101 0101 0101 0105 0107	36 CD C3 3A A7 28 21 36 CD C3 3A A7 28 21	8B D2 04 0B 95 04 8B D2 0E 08 95	01 A0 A0 02 01	;	call jp  ld and jr ld ld call jp  ld and jr	sub_0_28B loc_0_1D2  a, (unk_0_A004); a, loc_0_101 hl, 0A095h (hl), 4 sub_0_28B loc_0_1D2  a, (unk_0_A00E); a z, loc_0_10F hl, 0A095h	
00EA 00ED 00F0 00F0 00F0 00F3 00F4 00F6 00F9 00FB 0101 0101 0101 0101 0101 0104 0105 0107 010A 010C	36 CD C3 3A A7 28 21 36 CD C3 3A A7 28 21 36	8B D2 04 08 95 04 8B D2 0E 08 95 0E	A0 A0 02 01 A0 A0	;	call jp  ld and jr ld ld ccall jp  ld and jr ld ld ccall jp	sub_0_28B loc_0_1D2  a, (unk_0_A004) a z, loc_0_101 h1, 0A095h (h1), 4 sub_0_28B loc_0_1D2  ; a, (unk_0_A00E) a z, loc_0_10F	
00EA 00ED 00F0 00F0 00F0 00F3 00F4 00F6 00F9 00FE 0101 0101 0101 0101 0104 0105 0107 0107	36 CD C3 3A A7 28 21 36 CD C3 3A A7 28 21 36	8B D2 04 08 95 04 8B D2 0E 08 95 0E	A0 A0 02 01 A0 A0	;loc_0_101:	call jp  ld and jr ld ld ccall jp  ld and jr ld ld ccall jp	sub_0_28B loc_0_1D2  a, (unk_0_A004) a z, loc_0_101 hl, 0A095h (hl), 4 sub_0_28B loc_0_1D2  a, (unk_0_A00E) a z, loc_0_10F hl, 0A095h (hl), 0Eh sub_0_28B	CODE XREF: 0000:00f4†j
00EA 00ED 00F0 00F0 00F0 00F3 00F4 00F9 00FB 00FE 0101 0101 0101 0104 0105 0107 010A 010C 010F	36 CD C3 3A A7 28 21 36 CD C3 3A A7 28 21 36 CD C3	8B D2 04 08 95 04 8B D2 0E 08 95 0E 8B	A0 A0 O2 O1 A0 A0 O2	;	call jp  ld and jr ld ld call jp  ld and jr ld call jp	sub_0_28B loc_0_1D2  a, (unk_0_A004); a, loc_0_101 hl, 0A095h (hl), 4 sub_0_28B loc_0_1D2  a, (unk_0_A00E); a, (unk_0_A00E); a, loc_0_10F hl, 0A095h (hl), 0Eh sub_0_28B  a, (unk_0_A00D);	
00EA 00ED 00F0 00F0 00F0 00F3 00F4 00F9 00FB 00FE 0101 0101 0101 0101 0107 0107 0107 010	36 CD C3 3A A7 28 21 36 CD C3 3A A7 28 21 36 CD	8B D2 04 0B 95 04 8B D2 0E 08 95 0E 8B	A0 A0 O2 O1 A0 A0 O2	;loc_0_101:	call jp  ld and jr ld ld call jp  ld and jr ld and jr ld and jr ld ld call ld call	sub_0_28B loc_0_1D2  a, (unk_0_A004); a, loc_0_101 hl, 0A095h (hl), 4 sub_0_28B loc_0_1D2  ; a, (unk_0_A00E); a, (unk_0_A00E); a, loc_0_10F hl, 0A095h (hl), 0Eh sub_0_28B  ; a, (unk_0_A00D); a, (unk_0_A00D);	CODE XREF: 0000:00f4†j
00EA 00ED 00F0 00F0 00F0 00F3 00F4 00F6 00F9 00FB 0101 0101 0101 0101 0107 0107 0107 010	36 CD C3 3A A7 28 21 36 CD C3 3A A7 28 21 36 CD	8B D2 04 0B 95 04 8B D2 0E 08 95 0E 8B	A0 A0 O2 O1 A0 A0 A0 A0 A0 A0 A0 A0	;loc_0_101:	call jp  ld and jr ld ld call jp  ld and jr ld and jr ld and jr ld ld and jr ld ld ld call ld l	sub_0_28B loc_0_1D2  a, (unk_0_A004); a, loc_0_101 hl, 0A095h (hl), 4 sub_0_28B loc_0_1D2  a, (unk_0_A00E); a, (unk_0_A00E); a, loc_0_10F hl, 0A095h (hl), 0Eh sub_0_28B  a, (unk_0_A00D); a z, loc_0_11D hl, 0A095h	CODE XREF: 0000:00f4†j
00EA 00ED 00F0 00F0 00F0 00F3 00F4 00F9 00FB 0101 0101 0101 0101 0104 0105 0107 010A 010C 010F 010F 010F 010F	36 CD C3 3A A7 28 21 36 CD C3 3A A7 28 21 36 CD	8B D2 04 0B 95 04 8B D2 0E 8B 0D 0B 95 0D	A0 A0 A0 O2 O1 A0 A0 A0 A0 A0 A0 A0 A0 A0	;loc_0_101:	call jp  ld and jr ld ld call jp  ld and jr ld ld call ld call ld ld call ld ld call	sub_0_28B loc_0_1D2  a, (unk_0_A004); a z, loc_0_101 h1, 0A095h (h1), 4 sub_0_28B loc_0_1D2  ; a, (unk_0_A00E); a z, loc_0_10F h1, 0A095h (h1), 0Eh sub_0_28B ; a, (unk_0_A00D); a z, loc_0_1DF sub_0_28B ; a, (unk_0_A00D); a z, loc_0_11D	CODE XREF: 0000:00f4†j
00EA 00F0 00F0 00F1 00F1 00F1 00F1 00F1 00F	36 CD C3 3A A7 28 21 36 CD C3 3A A7 28 21 36 CD	8B D2 04 0B 95 04 8B D2 0E 8B 0D 0B 95 0D	A0 A0 A0 O2 O1 A0 A0 A0 A0 A0 A0 A0 A0 A0	;	call jp  ld and jr ld ld call jp  ld and jr ld ld call ld call ld ld call ld ld call	sub_0_28B loc_0_1D2  a, (unk_0_A004); a, loc_0_101 hl, 0A095h (hl), 4 sub_0_28B loc_0_1D2  a, (unk_0_A00E); a, (unk_0_A00E); a, loc_0_10F hl, 0A095h (hl), 0Eh sub_0_28B  a, (unk_0_A00D); a, loc_0_11D hl, 0A095h (hl), 0Eh sub_0_28B	CODE XREF: 0000:00F47j  CODE XREF: 0000:01057j
00EA 00F0 00F0 00F0 00F1 00F1 00F1 00F1 00F	36 CD C3  3A A7 28 21 36 CD C3  3A A7 28 21 36 CD CD  3A A7 28 21 36 CD 21	8B D2 04 0B 95 04 8B D2 0E 8B 0D 0B 95 0E 8B 0D 8B 95 0D 8 0D 8 0D 8 0D 8 0D 8 0D 8 95 0D 8 0D 8 0D 8 0D 8 0D 8 0D 8 0D 8 0D	A0 A0 C2 A0	;loc_0_101:	call jp  ld and jr ld ld call jp  ld and jr ld ld call ld call ld call	sub_0_28B loc_0_1D2  a, (unk_0_A004); a z, loc_0_101 hl, 0A095h (hl), 4 sub_0_28B loc_0_1D2  ; a, (unk_0_A00E); a z, loc_0_10F hl, 0A095h (hl), 0Eh sub_0_28B ; a, (unk_0_A00D); a z, loc_0_11D hl, 0A095h (hl), 0Eh sub_0_28B  ; hl, 0A095h (hl), 0Dh sub_0_28B ; hl, 0A095h	CODE XREF: 0000:00f4†j
00EA 00F0 00F0 00F1 00F1 00F1 00F1 00F1 00F	36 CD C3  3A A7 28 21 36 CD C3  3A A7 28 21 36 CD C3  3A A7 28 21 36 CD	8B D2 04 0B 95 04 8B D2 0E 08 95 0D 8B 95 05	A0 A	;	call jp  ld and jr ld ld call jp  ld and jr ld d and jr ld ld call ld ld call ld and jr ld ld ld call	sub_0_28B loc_0_1D2  a, (unk_0_A004); a, loc_0_101 hl, 0A095h (hl), 4 sub_0_28B loc_0_1D2  a, (unk_0_A00E); a, (unk_0_A00E); a, loc_0_10F hl, 0A095h (hl), 0Eh sub_0_28B  ; a, (unk_0_A00D); a, loc_0_11D hl, 0A095h (hl), 0Dh sub_0_28B  ; hl, 0A095h (hl), 5	CODE XREF: 0000:00F47j  CODE XREF: 0000:01057j
00EA 00F0 00F0 00F0 00F1 00F1 00F1 00F1 00F	36 CD C3 3A A7 28 21 36 CD C3 3A A7 27 28 21 36 CD C3 3A A7 A7 28 21 36 CD	8B D2 04 0B 95 04 8B D2 0E 8B 0D 08 95 0D 8B 95 0D 05	A0 A	;	call jp  ld and jr ld ld call jp  ld and jr ld ld call ld ld call ld ld and jr ld ld ld and jr ld ld and and jr ld ld and and jr ld ld and and ld ld ld ld ld ld ld ld ld and	sub_0_28B loc_0_1D2  a, (unk_0_A004); a, loc_0_101 hl, 0A095h (hl), 4 sub_0_28B loc_0_1D2  a, (unk_0_A00E); a	CODE XREF: 0000:00F47j  CODE XREF: 0000:01057j
00EA 00F0 00F0 00F0 00F0 00F0 00F0 00F0	36 CD C3 3AA7 28 21 36 CD C3 3AA7 28 21 36 CD 21 36 CD	8B D2 04 0B 95 04 8B D2 0E 8B 0D 08 95 0D 8B 95 0D 05	A0 A	;	call jp  ld and jr ld call jp  ld and jr ld ld call jr ld ld call	sub_0_28B loc_0_1D2  a, (unk_0_A004) a z, loc_0_101 h1, 0A095h (h1), 4 sub_0_28B loc_0_1D2  ; a, (unk_0_A00E) a z, loc_0_10F h1, 0A095h (h1), 0Eh sub_0_28B  ; a, (unk_0_A00D) a z, loc_0_11D h1, 0A095h (h1), 0Dh sub_0_28B  ; h1, 0A095h (h1), 5 a, (unk_0_A005) a z, loc_0_131	CODE XREF: 0000:00F47j  CODE XREF: 0000:01057j
00EA 00F0 00F0 00F1 00F1 00F1 00F1 00F1 00F	36 CDC3  3AAA7 28 21 36 CDC 3AA7 28 21 36 CD  3AA7 28 21 36 CD  21 36 CD  21 36 CD	8BD2  04  0B95 04 8BD2  0E08 08 95 0BB  0D0 08 95 0BB  00D 08 95 00D 08	A0	;	call jp  ld and jr ld ld call jp  ld and jr ld ld call ld ld call ld and jr ld ld call ld l	sub_0_28B loc_0_1D2  a, (unk_0_A004) a z, loc_0_101 hl, 0A095h (hl), 4 sub_0_28B loc_0_1D2  a, (unk_0_A00E) a z, loc_0_10F hl, 0A095h (hl), 0Eh sub_0_28B  a, (unk_0_A00D) a z, loc_0_11D hl, 0A095h (hl), 0Bh sub_0_28B  ; hl, 0A095h (hl), 0Dh sub_0_28B  ; hl, 0A095h (hl), 5 a, (unk_0_A005) a z, loc_0_131 a (unk_0_A005), a	CODE XREF: 0000:00F47j  CODE XREF: 0000:01057j
00EA 00FD 00FO 00FO 00FO 00FO 00FO 00FO 00FO	36 CD C3 3A A7 28 21 36 CD 3A A7 28 21 36 CD 21 36 3A A7 28 AF 28 CD CD C5 CD	8BD2 04 0B95 04 8BD2 0E 08 95 0BB 0D 08 95 00B 8B 0D 08 95 01 01 01 01 01 01 01 01 01 01	A0	;	call jp  ld and jr ld call jp  ld and jr ld ld call ld ld call ld and jr ld ld call	sub_0_28B loc_0_1D2  ; a, (unk_0_A004); a z, loc_0_101 hl, 0A095h (hl), 4 sub_0_28B loc_0_1D2  ; a, (unk_0_A00E); a z, loc_0_10F hl, 0A095h (hl), 0Eh sub_0_28B ; a, (unk_0_A00D); a z, loc_0_11D hl, 0A095h (hl), 0Dh sub_0_28B ; hl, 0A095h (hl), 0Dh sub_0_28B ; hl, 0A095h (hl), 5 a, (unk_0_A005); a z, loc_0_131 a	CODE XREF: 0000:00F47j  CODE XREF: 0000:01057j
00EA 00F0 00F0 00F0 00F0 00F0 00F0 00F0	36 CD C3 3A A7 28 21 36 CD 3A A7 28 21 36 CD 21 36 3A A7 28 AF 28 CD CD C5 CD	8BD2 04 0B95 04 8BD2 0E 08 95 0BB 0D 08 95 00B 8B 0D 08 95 01 01 01 01 01 01 01 01 01 01	A0	;	call jp  ld and jr ld ld call jp  ld and jr ld ld call jr ld ld call ld and jr ld ld call	sub_0_28B loc_0_1D2  a, (unk_0_A004) a z, loc_0_101 hl, 0A095h (hl), 4 sub_0_28B loc_0_1D2  a, (unk_0_A00E) a z, loc_0_10F hl, 0A095h (hl), 0Eh sub_0_28B  a, (unk_0_A00D) a z, loc_0_11D hl, 0A095h (hl), 0Dh sub_0_28B  ; hl, 0A095h (hl), 5 a, (unk_0_A005) a z, loc_0_131 a (unk_0_A005), a sub_0_214	CODE XREF: 0000:00F47j  CODE XREF: 0000:01057j
00EA 00FD 00FO 00FO 00FO 00FO 00FO 00FO 00FO	36 CD C3  3A A77 28 21 36 CD 3A A7 28 21 36 CD 21 36 3A A7 28 21 36 CD 21 36 3A A7 18 28 AF 32 CD 18	8BD2 04 0B954 8BD2 0E 0895 0BBD2 0B 955 0BBD5 0B 955 0B 955	A0 A	;	call jp  ld and jr ld ld call jp  ld and jr ld ld call ld l	sub_0_28B loc_0_1D2  a, (unk_0_A004); a z, loc_0_101 hl, 0A095h (hl), 4 sub_0_28B loc_0_1D2  a, (unk_0_A00E); a, (unk_0_A00E); a z, loc_0_10F hl, 0A095h (hl), 0Eh sub_0_28B  a, (unk_0_A00D); a z, loc_0_11D hl, 0A095h (hl), 0Dh sub_0_28B  ; hl, 0A095h (hl), 5 a, (unk_0_A005); a z, loc_0_131 a (unk_0_A005), a sub_0_214 loc_0_13B	CODE XREF: 0000:00F47j  CODE XREF: 0000:01057j
00EA 00F0 00F0 00F0 00F0 00F0 00F0 00F0	36 CDC 3AAA7282136CDC3 3AAA72821366CD 2136AA7282136CD 2136AA7328CD 2136AA7328AA7328AA732AA732AA732AA7332AA732AA7	8BD2 04 0B954 8BD2 0E 0895 0BBD2 0B 955 0BBD5 0B 955 0B 955	A0 A	;	call jp  ld and jr ld ld call jp  ld and jr ld ld call jr ld ld call ld call ld call ld call ld ld call ld l	sub_0_28B loc_0_1D2  a, (unk_0_A004); a, loc_0_101 hl, 0A095h (hl), 4 sub_0_28B loc_0_1D2  a, (unk_0_A00E); a, (unk_0_A00E); a, (unk_0_B05h (hl), 0Eh sub_0_28B  a, (unk_0_A00D); a z, loc_0_11D hl, 0A095h (hl), 0Dh sub_0_28B  ; hl, 0A095h (hl), 5 a, (unk_0_A005); a z, loc_0_131 a unk_0_A005, a sub_0_214 loc_0_13B	CODE XREF: 0000:00F4 j  CODE XREF: 0000:0105 j  CODE XREF: 0000:0113 j
00EA 00F0 00F0 00F0 00F0 00F0 00F0 00F0	36 CCC 3AAA7 28 21 3CCCC 3AA7 28 21 36 CCC 3AA7 28 21 36 CCC 3AA7 28 21 36 CCC 3AAA7 3A	8BD2 04 0B95 04 8BD2 0E 0895 0B8 0D 0895 0B8 0D 0895 005 005 005 005 005 005 005 0	A0 A	;	call jp  ld and jr ld call jp  ld and jr ld ld call jr ld ld call ld call ld call ld call ld and jr ld ld call ld dand jr ld ld and jr ld call ld ld and ld and jr jr	sub_0_28B loc_0_1D2  a, (unk_0_A004) ; a	CODE XREF: 0000:00F4 j  CODE XREF: 0000:0105 j  CODE XREF: 0000:0113 j
00EA 00FD 00FO 00FO 00FO 00FO 00FO 00FO 00FO	36 CCC 3AAA7 28 21 3CCCC 3AA7 28 21 36 CCC 3AA7 28 21 36 CCC 3AA7 28 21 36 CCC 3AAA7 3A	8BD2 04 0B95 04 8BD2 0E 0895 0B8 0D 0895 005 095 005 005 007 007 007 007 007 00	A0 A	;	call jp  ld and jr ld call jp  ld and jr ld ld call jr ld ld call ld call ld call ld call ld and jr ld ld call ld dand jr ld ld and jr ld call ld ld and ld and jr jr	sub_0_28B loc_0_1D2  a, (unk_0_A004); a, loc_0_101 hl, 0A095h (hl), 4 sub_0_28B loc_0_1D2  a, (unk_0_A00E); a, (unk_0_A00E); a, (unk_0_A00E); a, (unk_0_A00E); a, (unk_0_A00D); a, loc_0_1DF hl, 0A095h (hl), 0Eh sub_0_28B  a, (unk_0_A00D); a, (unk_0_A00D); a, (unk_0_A00D); a, loc_0_11D hl, 0A095h (hl), 5 a, (unk_0_A005); a, (unk_	CODE XREF: 0000:00F4↑j  CODE XREF: 0000:0105↑j  CODE XREF: 0000:0113↑j
00EA 00F0 00F0 00F0 00F0 00F0 00F0 00F0	36 CC3  3A7 288 2136 CC3  3A7 288 2136 CCD  3A7 288 216 CD  3A7 28 216 36 CD  3AA7 28 3AA7 28 AF7 28 AF7 CCD	8BD2 04 0895048BD2 0E 089508B 0D 0895005 09 05140A	A0 A	;	call jp  ld and jr ld call jp  ld and jr ld ld call jr ld ld call ld call ld call ld call ld and jr ld ld call ld dand jr ld ld and jr ld call ld ld and ld and jr jr	sub_0_28B loc_0_1D2  a, (unk_0_A004) a z, loc_0_101 hl, 0A095h (hl), 4 sub_0_28B loc_0_1D2  ; a, (unk_0_A00E); a z, loc_0_10F hl, 0A095h (hl), 0Eh sub_0_28B  ; a, (unk_0_A00D); a z, loc_0_11D hl, 0A095h (hl), 0A095h (hl), 5 a, (unk_0_A005); a z, loc_0_11D hl, 0A095h (hl), 5 a, (unk_0_A005); a z, loc_0_131 a (unk_0_A005); a z, loc_0_131 a cunk_0_A005), a sub_0_214 loc_0_13B  ; a, (unk_0_A019); a z, loc_0_13B sub_0_248	CODE XREF: 0000:00F4 j  CODE XREF: 0000:0105 j  CODE XREF: 0000:0113 j
00EA 00F0 00F0 00F0 00F0 00F0 00F0 00F0	36 CC3  3A7 288 2136 CC3  3A7 288 2136 CCD  3A7 288 216 CD  3A7 28 216 36 CD  3AA7 28 3AA7 28 AF7 28 AF7 CCD	8BD2 04 0895048BD2 0E 089508B 0D 0895005 09 05140A	A0 A	;	call jp  ld and jr ld ld call jp  ld and jr ld ld call ld ld call ld and jr ld ld call ld and jr ld	sub_0_28B loc_0_1D2  a, (unk_0_A004) a z, loc_0_101 hl, 0A095h (hl), 4 sub_0_28B loc_0_1D2  ; a, (unk_0_A00E); a z, loc_0_10F hl, 0A095h (hl), 0Eh sub_0_28B  ; a, (unk_0_A00D); a z, loc_0_11D hl, 0A095h (hl), 0A095h (hl), 5 a, (unk_0_A005); a z, loc_0_11D hl, 0A095h (hl), 5 a, (unk_0_A005); a z, loc_0_131 a (unk_0_A005); a z, loc_0_131 a cunk_0_A005), a sub_0_214 loc_0_13B  ; a, (unk_0_A019); a z, loc_0_13B sub_0_248	CODE XREF: 0000:00F4 j  CODE XREF: 0000:0105 j  CODE XREF: 0000:0113 j  CODE XREF: 0000:0126 j

```
013E A7
013F 28 0A
0141 21 95 A0
0144 36 06
                                                                and
                                                                              a z, loc_0_14B hl, 0A095h (hl), 6 sub_0_28B loc_0_179
                                                                jr
ld
                                                                ld
0144 50 06
0146 CD 8B 02
0149 18 2E
014B
014B
                                                                call
loc_0_14B:
                                                                                                             ; CODE XREF: 0000:013F<sup>†</sup>j
                                                                ld
                                                                               a, (unk_0_A007)
                                                                and
                                                                              a z, loc_0_15B hl, 0A095h (hl), 7 sub_0_28B loc_0_179
                                                               jr
ld
ld
call
                                                                jr
                                 loc_0_15B:
                                                                                                             ; CODE XREF: 0000:014F†j
                                                               ld
                                                                              a, (unk_0_A008)
                                                                              a, (unk_0_A00
a z, loc_0_16B
hl, 0A095h
(hl), 8
sub_0_28B
loc_0_179
                                                               and
jr
ld
                                                                ld
                                                               call
jr
; CODE XREF: 0000:015f<sup>†</sup>j
                                 loc_0_16B:
                                                                               a, (unk_0_A009)
                                                                ld
                                                                and
                                                                              a z, loc_0_179 h1, 0A095h (h1), 9 sub_0_28B
                                                                ld
                                                                call
                                                                                                             ; CODE XREF: 0000:0149<sup>†</sup>j; 0000:0159<sup>†</sup>j ...
                                 loc_0_179:
                                                                ld
                                                                               hl, 0A095h
0179
017C 36 0A
017E 3A 0A A0
0181 A7
0182 28 09
0184 AF
0185 32 0A A0
0188 CD 14 02
                                                               ld
ld
                                                                               (hl), 0Ah
a, (unk_0_A00A)
                                                                              a z, loc_0_18D
                                                                and
                                                               jr
xor
ld
                                                                              (unk_0_A00A), a sub_0_214 loc_0_1B5
                                                                call
0180 CB 14
018B 18 28
018D
018D
018D
                                                                                                             ; CODE XREF: 0000:0182†j
                                 loc_0_18D:
                                                                              a, (unk_0_A01E)
a
018D 3A 1E A0
0190 A7
0191 28 05
0193 CD 48 02
                                                               ld
and
                                                                               a
z, loc_0_198
sub_0_248
loc_0_1B5
call
                                 loc_0_198:
                                                                                                             ; CODE XREF: 0000:019114
                                                               ld
ld
                                                                              hl, 0A095h
(hl), 0Bh
                                                                              a, (unk_0_A00B)
a
z, loc_0_1AC
                                                                ld
                                                               and
jr
xor
                                                                               (unk_0_A00B), a sub_0_214 loc_0_1D2
                                                                1d
                                                                call
jr
                                 loc_0_1AC:
                                                                                                              ; CODE XREF: 0000:01A1<sup>†</sup>j
                                                                ld
                                                                               a, (unk_0_A01F)
                                                               and
                                                                               z, loc_0_1B5
sub_0_248
                                                                call
; CODE XREF: 0000:018B<sup>†</sup>j; 0000:0196<sup>†</sup>j ...
                                 loc_0_1B5:
                                                                              hl, 0A095h
(hl), 0Ch
                                                               ld
ld
                                                                               a, (unk_0_A00C)
a
z, loc_0_1C9
                                                                ld
                                                               and
jr
xor
                                                                               a (unk_0_A00C), a sub_0_214 loc_0_1D2
                                                                1d
                                                               call
jr
                                                                                                             ; CODE XREF: 0000:01BE<sup>†</sup>j
                                 loc_0_1C9:
                                                                              a, (unk_0_A020)
                                                                ld
                                                                and
                                                                               a
z, loc_0_1D2
sub_0_248
01D2
01D2 3A 00 AO
01D2 3A 00 AO
01D5 A7
01D5 A7
01D6 28 0A
01D8 21 95 AO
01DB 36 00
01DD CD 8B 02
01E0 18 0E
01E2
01E2
01E2
                                                                                                             ; CODE XREF: 0000:00CB<sup>†</sup>j; 0000:00DC<sup>†</sup>j ...
                                 loc_0_1D2:
                                                                ld
                                                                               a, (ram_a000)
                                                                             a, ... _
z, loc_0_1E2
hl, 0A095h
(hl), 0
sub_0_28B
loc_0_1F0
                                                                and
                                                                jr
ld
ld
                                                                call
01E2
01E2 3A 01 A0
01E5 A7
01E6 28 08
01E8 21 95 A0
01EB 36 01
01ED CD 8B 02
01F0
                                 loc_0_1E2:
                                                                                                             ; CODE XREF: 0000:01D6 1
                                                                              a, (unk_0_A001)
a
z, loc_0_1F0
hl, 0A095h
                                                               ld
and
                                                                jr
ld
                                                                               (hl), 1
sub_0_28B
                                                                ld
                                                                                                                CODE XREF: 0000:01E0†j
0000:01E6†j
 01F0
                                 loc_0_1F0:
01F0 21 81 A0
01F0
                                                                              hl, R_ch0_freq_hi
```

```
File: E:\Projects\pace\pacedev.net\sw\dev\platform\galaga\xevious\xev_sub2.lst 15/06/2011, 12:48:07 AM
                                                                     01F3 11 10 68
, set sound regis
a, (R ch 0 waveform)
(ch 0 waveform), a
a, (R ch 1 waveform)
(ch 1 waveform), a
a, (R ch 2 waveform)
(ch 2 waveform), a
a
(R busy_in_NMI), a
af
                                                        ld
                                                        ld
ld
ld
ld
                                                        ld
xor
ld
                                                        pop
retn
                                                       SUBROUTINE
                                                                                                ; CODE XREF: 0000:012C\p; 0000:0188\p ...
                             sub_0_214:
                                                                    hl, 0A014h
a, (unk_0_A095)
10h
(hl)
                                                        ld
                                                        ld
rst
                                                                                                ; HL += A
                                                        inc
                                                                     hl, 0A095h
a, (hl)
                                                        ld
ld
add
                                                                                                ; A = 2A
; A = 3A
; table of triplets
; HL += A
                                                                     a, a
a, (hl)
                                                        add
                                                        ld
rst
ld
                                                                     hl, 4C0h
10h
de, 0A096h
                                                        ld
                                                                     bc, 3
                                                        ldir
ld
ld
                                                                     hl, 0A097h
b, (hl)
c, b
hl, 0A054h
a, (unk_0_A096)
10h
                                                        ld
                                                        ld
ld
                                                                                               ; HL += A
                                                        rst
                                                        xor
023A AF
023B DF
023C 41
023D 21 28 AO
0240 3A 96 AO
0243 D7
0244 AF
0245 DF
                                                        rst
ld
                                                                     18h
                                                                                                ; memset(HL,A,B)
                                                                     b, c
hl, 0A028h
a, (unk_0_A096)
10h
                                                        ld
                                                        ld
                                                        rst
                                                                                                ; HL += A
                                                        xor
                                                                     a
18h
                                                                                                ; memset(HL,A,B)
                                                        rst
0246 18 12
0246
0246
                             jr loc_0_25A ; End of function sub_0_214
 0248
0248
0248
0248
                             ; SUBSCIENT SUBROUTINE
                                                                                                 ; CODE XREF: 0000:0138 p; 0000:0193 p ...
 0248
                             sub_0_248:
0248 21 95 A0
0248
                                                                     hl, 0A095h
a, (hl)
a, a
a, (hl)
hl, 4C0h
10h
024B 7E
024C 87
                                                        ld
                                                                                                ; A = 2A
; A = 3A
; table of triplets
; HL += A
                                                        add
024C 87

024D 86

024E 21 C0 04

0251 D7

0252 11 96 A0

0255 01 03 00

0258 ED B0
                                                        add
ld
                                                        rst
                                                                     de, 0A096h
bc, 3
                                                        ld
ld
                                                        ldir
025A
025A
025A CD 07 03
025A
                                                                                                ; CODE XREF: sub_0_214+32<sup>†</sup>j; sub_0_248+23<sup>†</sup>j
                             loc_0_25A:
                                                                     sub_0_307
hl, 0A097h
(hl)
                                                        call
ld
dec
jr
ld
                                                                     z, loc_0_26D
hl, 0A096h
                                                        inc
ld
inc
                                                                     (hl)
hl, 0A098h
(hl)
026B 18 ED
026D
                                                                     loc_0_25A
026D 026D 026D 026D 026D 026D 0270 A7 0271 C8 0273 32 99 A0 0276 21 14 A0 0279 3A 95 A0 0276 21 33 04 0282 3A 95 A0 0285 CF 0287 23 0288 56 0289 EB
                             loc_0_26D:
                                                                                                ; CODE XREF: sub_0_248+19 j
                                                        ld
                                                                     a, (unk_0_A099)
                                                        and
ret
                                                                    a (unk_0_A099), a hl, 0A014h a, (unk_0_A095) 10h
                                                        xor
                                                        ld
ld
ld
                                                                                                ; HL += A
                                                        rst
                                                                     (hl), 0
hl, 433h
                                                        ld
ld
ld
                                                                     hl, 433h
a, (unk_0_A095)
                                                                                                ; jump table
                                                                                                ; HL += 2A (get table entry)
                                                        rst
                                                                     e, (hl)
hl
                                                        ld
                                                                     d, (hl)
                                                                                                ; get jump address
                                                        ld
 0289 EB
                                                        ex
                                                                     de,
                                                                           hl
028A E9
028A
028A
                             jp (hl); End of function sub_0_248
 028B
028B
028B
                                                     SUBROUTINE
028B
028B
028B 21 95 A0
028B
                                                                                                 ; CODE XREF: 0000:00D9<sup>†</sup>p
; 0000:00EA<sup>†</sup>p ...
                             sub_0_28B:
                                                                     hl, 0A095h
ld
                                                                     a, (h1)
a, a
a, (h1)
h1, 4C0h
                                                        ld
                                                        add
add
ld
                                                                                                ; A = 2A
; A = 3A
; table of triplets
; HL += A
                                                                     10h
                                                        rst
                                                                     de, 0A096h
bc, 3
                                                        ld
ld
                                                                                                ; length ; copy triplet to RAM
```

ldir

ld ld rst hl, 0A014h

a, (unk\_0\_A095) 10h

; HL += A

```
File: E:\Projects\pace\pacedev.net\sw\dev\platform\galaga\xevious\xev_sub2.lst 15/06/2011, 12:48:07 AM
 02A4 7E
                                                                                  a, (hl)
02A4 7E
02A5 A7
02A6 20 19
02A8 34
02A9 21 97 A0
02AC 46
02AD 48
02AE 21 54 A0
                                                                  and
jr
                                                                                 a nz, loc_0_2C1 (h1) h1, 0A097h b, (h1) c, b h1, 0A054h
                                                                  inc
                                                                  ld
ld
ld
ld
02AE 21 54 A0
02B1 3A 96 A0
02B4 D7
02B5 AF
02B6 DF
02B7 41
02B8 21 28 A0
02BB 3A 96 A0
02BE D7
02BF AF
                                                                  ld
rst
                                                                                       (unk_0_A096)
                                                                                                                ; HL += A
                                                                  xor
                                                                                  a
18h
                                                                  rst
                                                                                                                 ; memset(HL,A,B)
                                                                  ld
ld
ld
                                                                                 b, c
h1, 0A028h
a, (unk_0_A096)
10h
                                                                                                                 ; HL += A
                                                                  rst
02BF AF
02C0 DF
02C1
02C1
02C1 CD 07 03
02C1
02C4 21 97 A0
                                                                                  18h
                                                                                                                 ; memset(HL,A,B)
                                                                  rst
                                                                                                                 ; CODE XREF: sub_0_28B+1B†j; sub_0_28B+47|j
                                  loc_0_2C1:
                                                                                 sub_0_307
hl, 0A097h
(hl)
z, loc_0_2D4
hl, 0A096h
(hl)
                                                                  call
ld
02C4 21 97 A0
02C7 35
02C8 28 0A
02CA 21 96 A0
02CD 34
02CE 21 98 A0
02D1 34
02D2 18 ED
02D4
                                                                  dec
jr
ld
                                                                  inc
                                                                                 hl, 0A098h
(hl)
loc_0_2C1
                                                                  ld
inc
                                                                  jr
; CODE XREF: sub_0_28B+3D<sup>†</sup>j
                                   loc_0_2D4:
                                                                  ld
                                                                                 a, (unk_0_A099)
                                                                  and
                                                                  ret
                                                                                (unk_0_A099), a
hl, 0A014h
a, (unk_0_A095)
10h
                                                                  ld
ld
rst
ld
ld
ld
                                                                                 (h1), 0
h1, 0A000h
a, (unk_0_A095)
                                                                                  a,
10h
                                                                  rst
ld
                                                                                  a, (unk_0_A095)
                                                                              a,
a
z, loc_0_
14h
z, loc_0_305
(hl), 0
hl, 433h
'unk_0_A'
                                                                  and
jr
                                                                  cp
jr
ld
ld
ld
                                                                                  h1, 433h
a, (unk_0_A095)
8
                                                                                                                 ; jump table
                                                                  rst
                                                                                                                 ; {\tt HL} += 2A (get entry address)
                                                                  ld
inc
                                                                                       (hl)
                                                                                 d, (hl)
de, h1
                                                                  ld
                                                                                                                 ; DE = jump address
0304 E9
0305
0305
                                                                                  (hl)
                                                                                                                 ; go
0305
0305 35
0305
0306 C9
                                                                                                                 ; CODE XREF: sub_0_28B+66<sup>†</sup>j; sub_0_28B+6A<sup>†</sup>j
                                  loc_0_305:
                                                                  dec
                                                                                  (hl)
                                                                  ret
0306
0306
0307
                                  ; End of function sub_0_28B
0307
0307
0307
                                  ; THE STATE SUBROUTINE STATES
0307
0307 21 28 A0
0307
0307
030A 3A 96 A0
                                                                                                                 ; CODE XREF: sub 0_248+121p
                                  sub 0 307:
                                                                                                                 ; sub_0_28B+361p
                                                                                 hl, 0A028h
                                                                  ld
ld
                                                                                 a, (unk_0_A096)
10h
                                                                  rst
inc
ld
ld
 030D D7
030E 34
                                                                                                                 ; HL += A
                                                                                  (hl)
030E 34
030F 3A 96 A0
0312 21 8A 04
0315 CF
0316 5E
0317 23
0318 56
0319 21 54 A0
031C 3A 96 A0
031F D7
0320 7E
                                                                                 a, (unk_0_A096)
hl, 48Ah
                                                                                                                 ; data table
; HL += 2A
                                                                  rst
                                                                  ld
inc
ld
                                                                                  e, (hl)
hl
                                                                                  d, (hl)
                                                                                                                 ; DE = data address
                                                                                 hl, 0A054h
a, (unk_0_A096)
                                                                  ld
ld
rst
ld
                                                                              hi,
a, (u.
10h
a, (hl)
de, hl
10h
'unk_0
'\frac{1}{\frac{1}{1}}
                                                                                                                 ; HL += A
0320 7E
0321 EB
0322 D7
0323 22 9A A0
0326 7E
0327 3C
0328 C2 34 03
032B E7
032C 36 00
032E 3E 01
0330 32 99 A0
0333 C9
0334 0334
                                                                  ex
rst
ld
                                                                                 ; HL += A (unk_0\_A09A), hl a, (hl)
                                                                  ld
                                                                  inc
jp
rst
                                                                                  a nz, loc_0_334 20h
                                                                                  (hl), 0
                                                                  ld
                                                                  ld
ld
                                                                                  a, 1
(unk_0_A099), a
                                                                  ret
0334
0334
0334 21 FC 04
0337 3A 96 A0
033A D7
033B 7E
033C A7
033D 28 05
033F 11 82 05
0342 18 03
0344
                                                                                                                 ; CODE XREF: sub_0_307+21<sup>†</sup>j; table of triplets
                                   loc_0_334:
                                                                                 hl, 4FCh
                                                                  ld
                                                                  ld
rst
ld
                                                                                 a, (unk
10h
a, (hl)
                                                                                       (unk_0_A096)
                                                                                 a z, loc_0_344 de, 582h loc_0_347
                                                                  and
                                                                  jr
ld
                                                                  jr
 0344
0344
0344
0344 11 68 05
                                                                                                                 ; CODE XREF: sub_0_307+36^j
                                   loc_0_344:
                                                                  ld
                                                                                  de, 568h
```

; CODE XREF: sub\_0\_307+3B|j hl, (unk\_0\_A09A)

0347

0347 2A 9A A0

loc\_0\_347:

```
034A 7E
                                                                                                     a, (hl)
 034B 0F
034C 0F
034D 0F
                                                                                 rrca
rrca
                                                                                 rrca
034E 0F
034F E6 0F
0351 EB
0352 CF
0353 4E
0352 CF
0354 23
0355 46
0356 EB
0357 7E
0358 E6 0F
0350 C
035C CB 38
035C CB 38
035C CB 38
035C CB 95
0361 20 F9
0363 030
0363 0363
                                                                                 rrca
                                                                                 and
                                                                                                     0Fh
                                                                                                                                           ; high nibble
                                                                                                     de, hl
                                                                                 ex
rst
                                                                                                                                           ; HL += 2A
                                                                                 ld
inc
ld
                                                                                                     c,
hl
                                                                                                           (hl)
                                                                                                     b, (hl)
                                                                                 ex
                                                                                                     de, hl
                                                                                 ld
and
jr
                                                                                                     a, (hl)

0Fh

z, loc_0_363
                                                                                                                                            ; low nibble
                                          loc_0_35C:
                                                                                                                                           ; CODE XREF: sub_0_307+5A|j
                                                                                 srl
                                                                                                                                           ; BC >>= 1
                                                                                 rr
                                                                                 dec
                                                                                                     nz, loc_0_35C
                                                                                                                                           ; BC >>= A
                                                                                                                                            ; CODE XREF: sub_0_307+53 j
                                          loc 0 363:
0363 3A 98 A0
0366 A7
0367 28 0D
0369 3D
                                                                                                    a, (channel)
a
z, loc_0_376
                                                                                 1d
                                                                                 and
                                                                                                                                            ; channel 0?
                                                                                                                                               yes, branch
channel 1?
                                                                                 jr
                                                                                 dec
0369 3D
036A 28 05
036C 21 8C A0
036F 18 08
0371
0371
0371 21 87 A0
0374 18 03
                                                                                                     z, loc_0_371
hl, R_ch2_freq
loc_0_379
                                                                                 jr
ld
                                                                                                                                               yes, branch
                                                                                 jr
                                                                                                                                            ; CODE XREF: sub_0_307+631j
                                           loc_0_371:
                                                                                                    hl, 0A087h
loc_0_379
                                                                                 ld
                                                                                 jr
0376
0376
0376
                                          loc_0_376:
                                                                                                                                           ; CODE XREF: sub 0 307+601j
0376
0376 21 82 A0
0379
0379
0379 71
                                                                                 ld
                                                                                                     hl, R_ch0_freq
                                                                                                                                           ; CODE XREF: sub_0_307+68<sup>†</sup>j; sub_0_307+60<sup>†</sup>j
                                          loc_0_379:
0379 7E
0377 7E
0377 7E
0377 0F
0377 0F
0370 0F
0371 0F
0377 0F
0377 23
0380 77
0381 23
0382 70
0383 7E
0384 0F
0385 0F
0387 0F
0387 0F
0388 23
0389 77
0388 EB
0380 2A 9A A0
0390 7E
0391 D6 C0
0387 0F
0391 D6 C0
0393 28 4A
0395 3A 96 A0
0396 27
0390 28 21
0390 390 7E
0391 D6 C0
0393 28 4A
0395 3A 96 A0
0398 D7
0390 A7
                                                                                 ld
ld
                                                                                                    (hl), c
a, (hl)
                                                                                 rrca
                                                                                 rrca
                                                                                 rrca
                                                                                                     hl
                                                                                 inc
                                                                                                     (hl), a
                                                                                 ld
                                                                                 inc
ld
ld
                                                                                                    (hl), b
a, (hl)
                                                                                 rrca
rrca
rrca
                                                                                 rrca
inc
ld
ex
                                                                                                     (hl), a
de, hl
20h
                                                                                 rst
ex
ld
                                                                                                                                           ; get volume channel A
                                                                                                    20h
de, h1
h1, (unk_0_A09A)
a, (h1)
0C0h; 'L'
z, loc_0_3DF
a, (unk_0_A096)
h1, 532h
10h
                                                                                 ld
                                                                                 sub
                                                                                 jr
ld
ld
                                                                                 rst
and
                                                                                                                                           ; HL += A
                                                                                                    a
z, loc_0_3C0
                                                                                 jr
                                                                                 dec
                                                                                                   a
z, loc_0_3B1
hl, 0A028h
a, (unk_0_A096)
10h
                                                                                 jr
ld
ld
                                                                                 rst
ld
                                                                                                                                           ; HL += A
                                                                                                    a, (hl)
                                                                                 cp
jr
                                                                                                     nc, loc_0_3C0
                                                                                  -
cpl
 03AF 18 33
03B1
03B1
                                                                                                     loc_0_3E4
 0.3B1
                                          loc_0_3B1:
                                                                                                                                           ; CODE XREF: sub 0 307+991j
03B1
03B1 21 28 A0
03B4 3A 96 A0
03B7 D7
03B8 7E
03B9 FE 08
03BB 30 03
03BD 87
                                                                                                    hl, 0A028h
a, (unk_0_A096)
10h
                                                                                 ld
ld
                                                                                                                                           ; HL += A
                                                                                 rst
                                                                                 ld
cp
jr
                                                                                                     a, (hl)
8
                                                                                                     nc, loc_0_3C0
                                                                                 add
03BE 18 24
03C0
03C0
                                                                                                     loc_0_3E4
; CODE XREF: sub_0_307+96<sup>†</sup>j; sub_0_307+A5<sup>†</sup>j ...
                                          loc_0_3C0:
                                                                                                    hl, 54Dh
                                                                                                            (unk_0_A096)
                                                                                 ld
                                                                                                     a,
10h
                                                                                 rst
ld
and
                                                                                                                                           ; HL += A
                                                                                                    a, (h1)
a
z, loc_0_3E2
                                                                                 jr
ld
ld
ld
                                                                                                    b, a
hl, 0A028h
a, (unk_0_A096)
                                                                                                                                           ; HL += A
                                                                                 rst
ld
                                                                                                    a, (hl)
                                                                                  sub
                                                                                                    c, loc_0_3E2
0Ah
                                                                                 jr
 03D7 D6 0A
03D9 30 04
03DB ED 44
03DD 18 05
                                                                                 sub
                                                                                                     nc, loc_0_3DF
                                                                                 neg
                                                                                                     loc 0 3E4
 03DF
 03DF
03DF
                                          loc_0_3DF:
                                                                                                                                           ; CODE XREF: sub_0_307+8Cfj
```

```
03DF AF
                                                                                                                                                     ; sub_0_307+D2<sup>†</sup>j
 03DF
03E0 18 02
                                                                                                            loc_0_3E4
 03E2
 03E2
 03E2
03E2
03E2 3E 0A
03E2
                                                                                                                                                     ; CODE XREF: sub_0_307+C2<sup>†</sup>j; sub_0_307+CE<sup>†</sup>j
                                             loc_0_3E2:
                                                                                                            a, OAh
                                                                                       ld
 03E4
 03E4
03E4 12
                                                                                                                                                     ; CODE XREF: sub_0_307+A8<sup>†</sup>j; sub_0_307+B7<sup>†</sup>j ...
                                             loc_0_3E4:
                                                                                                           (de), a
hl, R_ch_0 wavrform
a, (channel)
10h ; HI
 03E4
                                                                                       ld
 03E4
03E5 21 91 A0
03E8 3A 98 A0
03EB D7
                                                                                       ld
ld
rst
                                                                                                                                                     ; HL += A ; DE = channel <n> waveform (RAM copy) ; table of waveform triplets
03EB D7
03EC EB
03ED 21 17 05
03F0 3A 96 A0
03F3 D7
03F4 ED A0
03F6 21 ED 04
03F6 21 ED 04
03F6 D7
03FD 7E
03FD 7E
03FD 2A 9A A0
0401 23
0402 5E
0403 16 00
                                                                                                           de, hl
hl, 517h
a, (unk_0_A096)
                                                                                       ex
ld
ld
rst
ldi
                                                                                                                                                    ; HL += A
                                                                                                           hl, 4EDh
a, (unk_0_A095)
10h
a, (hl)
                                                                                       ld
ld
                                                                                                                                                    ; HL += A
                                                                                       rst
                                                                                       ld
ld
                                                                                                           a, (h1)
h1, (unk_0_A09A)
                                                                                       inc
                                                                                                           e, (hl)
d, 0
hl, 0
b, 8
                                                                                       ld
 0403 16 00
0405 21 00 00
0408 06 08
                                                                                       ld
ld
                                                                                       ld
040A
040A
040A
040A
040A
040B
040E
040E
040F
040F
040F
040F
0411 CB 12
0413 10 F5
0415 45
0416 21 28 A0
0419 3A 96 A0
041C D7
041D 78
041E BE
041F CO
 040A
                                            loc_0_40A:
                                                                                                                                                     ; CODE XREF: sub_0_307+10C|j
                                                                                       srl
                                                                                                           nc, loc_0_40F
hl, de
                                                                                       add
                                             loc_0_40F:
                                                                                                                                                     ; CODE XREF: sub_0_307+105^j
                                                                                       sla
                                                                                       rl
                                                                                                           d loc_0_40A b, I hl, 0A028h a, (unk_0_A096) 10h a, b (hl)
                                                                                       djnz
ld
                                                                                       ld
ld
rst
ld
                                                                                                                                                     ; HL += A
                                                                                       cp
ret
ld
ld
041F CO
0420 21 54 AO
0426 D7
0427 34
0428 34
0429 21 28 AO
0426 D7
0427 34
0428 34
0429 21 28 AO
042F D7
0430 36 OO
0432 CO
0432 CO
0432 CO
0432 CO
0432 CO
0432 CO
0432 BF O4
0437 51 O4
0437 51 O4
0438 6F O4
0439 51 O4
0439 51 O4
0441 60 O4
0441 60 O4
0445 51 O4
0447 67 O4
0445 51 O4
0448 51 O4
                                                                                                           nz
hl, 0A054h
a, (unk_0_A096)
10h
                                                                                                                                                     ; HL += A
                                                                                       rst
                                                                                       inc
                                                                                                            (hl)
                                                                                                           hl, 0A028h
a, (unk_0_A096)
10h
                                                                                       ld
                                                                                       ld
                                                                                                                                                     ; HL += A
                                                                                       ret
                                             ; End of function sub_0_307
                                                                                      .dw clear_A005_A019
.dw clear_A005_A019
.dw null_routine
.dw null_routine
.dw clear_A005_A019
.dw null_routine
.dw loc_0_460
.dw null_routine
.dw loc_0_467
.dw null_routine
.dw loc_0_467
.dw null_routine
.dw loc_0_452
.dw null_routine
.dw loc_0_452
.dw null_routine
 0451
0451
0451
0451
0451 C9
0451
                                                                                                                                                     ; DATA XREF: 0000:0437†o; 0000:0439†o ...
                                             null_routine:
                                                                                       ret
0451
0452
0452
0452
0452 AF
0453 32 05 A0
0456 32 19 A0
0459 AF
045A 32 09 A0
045D 32 1D A0
0460
0460
0460 AF
                                             loc_0_452:
                                                                                                                                                     ; DATA XREF: 0000:044D o
                                                                                       xor
                                                                                                            (unk_0_A005), a
(unk_0_A019), a
                                                                                       ld
ld
                                                                                       xor
                                                                                                            (unk_0_A009), a (unk_0_A01D), a
                                                                                       ld
                                             loc 0 460:
                                                                                                                                                     ; DATA XREF: 0000:0441 o
 0460 AF
0461 32 OC A0
0464 32 20 A0
                                                                                       xor
                                                                                                            (unk_0_A00C), a
(unk_0_A020), a
                                                                                       ld
0464 32 20 A0
0467
0467 AF
0468 32 0B A0
046B 32 1F A0
046E C9
046F
                                             loc_0_467:
                                                                                                                                                     ; DATA XREF: 0000:04471o
                                                                                                            (unk_0_A00B), a
(unk_0_A01F), a
                                                                                       ld
                                                                                       ld
                                                                                                                                                     ; DATA XREF: 0000:0433<sup>†</sup>o; 0000:0435<sup>†</sup>o ...
 046F
                                             clear_A005_A019:
 046F 21 05 A0
046F
                                                                                                           hl, 0A005h
de, 0A006h
bc, 9
(hl), 0
0446F
0472 11 06 A0
0475 01 09 00
0478 36 00
047A ED B0
047C 21 19 A0
047F 11 1A A0
0482 01 09 00
0485 36 00
0487 ED B0
                                                                                       ld
                                                                                       ld
ld
ld
ld
                                                                                                                                                     ; clear A005-A00E
                                                                                                           hl, 0A019h
                                                                                       ld
                                                                                                            de, 0A01Ah
bc, 9
(h1), 0
                                                                                       ld
ld
                                                                                                                                                     ; clear A019-A022
                                                                                       ld
                                                                                       ldir
 0489 C9
0489
```

```
; data table
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5DDh
61Eh
665h
6ACh
6F5h
738h
76Bh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  . **\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\tex{
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          79Eh
70Fh
820h
90Ph
9DBh
9DDh
883h
886Ph
93Dh
885h
886Fh
93Bh
99Eh
8C8h
938h
93Ah
858h
93Ah
858h
93Ch
0A11h
0, 2, 0
2, 3, 0
0Eh, 3, 0
0Ch, 10h, 1, 1
12h, 1, 1
13h, 1, 2
15h, 2, 0
17h, 1, 0
18h, 1, 1
19h, 1, 0
17h, 1, 0
18h, 1, 1
19h, 1, 0
17h, 1, 1
17h, 1
17h, 1, 1

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OEFh;
65h;
0FFh;
6Bh;
72h;
39h;
79h;
6Eh;
80h;
11h;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                k
k
9
Y
n
Ç
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ê)É∰Ÿðíp½
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   29h
90h
0BCh
98h
0D0h
0A1h
70h
0ABh
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0;
11h;
5Ch;
8Bh;
61h;
58h;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   \
a
X
g
}
```

```
0589 6D
                                                                                                                           .db 6Dh; m
 058A 00
058B 74
058C E6
                                                                                                                           .db 0E6h ;
                                                                                                                                                                 μ
058E 35
058F 82
059^
                                                                                                                           .db
                                                                                                                                           7Ah :
                                                                                                                           .db
                                                                                                                                          35h ;
                                                                                                                                                                  é
                                                                                                                           .db 0F2h ;
                   89
27
92
  0591
                                                                                                                           .db
                                                                                                                                         89h ;
27h ;
  0592
0593
                                                                                                                           .db
  0594
                   D8
                                                                                                                            .db 0D8h ;
                                                                                                                           .db
.db
  0595
                   9A
                                                                                                                                            9Ah;
                                                                                                                                                                  Ü
                                                                                                                 db OCh; db Och
                                                                                                                                                                  ñ
  0598 CE
                                                                                                                           .db 0CEh ;
  0599 AD
                                                                                                                            .db 0ADh ;
                   00
  059B
                   00
 059C
059C
059C
059C
                   79 01 69 01+
                  59 01 49 01+
39 01 29 01+
19 01 09 01+
  059C
                   78 01 68 01+
  05DD 89 01 79 01+
05DD 69 01 59 01+
                   69 01 59 01+
49 01 39 01+
  05DD
 05DD 29 01 19 01+
05DD 88 01 78 01+
061E 56 04 C0 01+
  061E 06 01 56
                                                   01+
  061E
                   96 01 05
                                                   01+
                   96
56
                             01 C0
01 76
                                                   01+
  061E
  061E CO 01 76
                                                   01+
  0665
0665
                  97 04 C0
97 01 97
                                                   01+
  0665 06 01 56
                                                   01+
  0665 06 01 C0
                                                   01+
  0665 97 01 A7
0665 CO 01 A7
06AC 59 01 59
                                                   01+
                                                   01+
 06AC 59 01 59 01+
06AC CO 02 59 01+
06AC 59 01 59 01+
06AC 59 01 CO 02+
  06AC 59 01 59 01+
  06F5 07 01 07
06F5 07 02 07
                                                   01+
  06F5 07
                             02 07
                                                   02+
 06F5 07 02 07
06F5 27 02 47
0738 C0 02 A8
                                                   02+
                                                   02+
  0738 A8 02 C0 04+
 0738
0738
                  A8 02 A8
C0 04 98
  0738 98 02 C0 04+
076B C0 02 08 02+
  076B 08 02 C0
076B 08 02 08
                                                   04+
  076B C0 04 58
                                                   02+
  079E
                   96 04 96
                                                   04+
                   96 04 96
96 04 96
                                                   04+
  079E
  079E
                   96 04 96 04+
                  96 04 96 04+
56 04 56 04+
56 04 56 04+
  079E
  07DF
                   56 04 56
56 04 56
56 04 56
58 01 07
  07DF
                                                   0.4 +
  07DF
07DF
                                                   04+
  0820
                                                    01+
 0820 46 0D 26
0820 16 03 46
0847 69 01 64
0847 79 01 14
                                                   01+
                                                   01+
01+
01+
  0858 06 01 16
                                                   01+
 0858 06 01 16 01+
0858 26 01 36 01+
0858 46 01 36 01+
0858 26 01 16 01+
 0858 06 01 B7
0858 A7 01 97
0858 87 01 77
08B3 04 01 74
                                                   01+
01+
01+
                                                   0.1 +
 08B9 94 01 44
08BF 64 01 14
08C8 0A 01 19
                                                   01+
                                                   01+
 08C8 0A 01 19 01+
08E1 09 01 19 01+
08E1 09 01 29 01+
  08E1 09 01 39 01+
  08E1 09 01 49 01+
 08E1 09 01 39 01+
08E1 09 01 29 01+
  0938 05 01
 093A 15 05 FF
093D 04 01 29 01+
093D 14 01 29 01+
  093D 04 01 39 01+
  093D 14 01 39 01+
093D 04 01 49 01+
  093D 14
                             01 49
                                                   01+
  0930 04 01 59 01+
  099E 05 01 15 01+
099E 35 01 65 01+
  099E A5 01 65 01+
099E 35 01 25 02+
  09D9 05 01
09DB 76 01
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46h, 1, 6, 1, 77h, 1, 6, 1, 46h, 1, 76h, 1, 5, 1, 0FFh
26h, 1, 56h, 1, 76h, 1, 96h, 1, 5, 1, 25h, 1, 26h
1, 56h, 1, 76h, 1, 96h, 1, 5, 1, 25h, 1, 26h, 1, 56h
1, 76h, 1, 96h, 1, 5, 1, 25h, 1, 0FFh
6, 1, 5, 1, 0B6h, 1, 5, 1, 45h, 1, 5, 1, 0B6h, 1, 5
1, 6, 1, 5, 1, 0A6h, 1, 5, 1, 45h, 1, 5, 1, 0A6h, 1
5, 1, 6, 1, 5, 1, 96h, 1, 5, 1, 45h, 1, 5, 1, 96h
  09DD
                   46
                             01 06
  09EC 26 01 56 01+
09EC 76 01 96 01+
09EC 05 01 25 01+
  0A11 06 01 05 01+
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.db 1, 5, 1, 6, 1, 5, 1, 86h, 1, 5, 1, 45h, 1, 5, 1, 86h
.db 1, 5, 1, 0FFh
.db 0E3h ; Ò
 0A11 B6 01 05 01+
0A11 06 01 05 01+
0A52 E3
 0A53
 0A53
                                                           ; SUBROUTINE SUBROUTINE
0A53
0A53
0A53
                                                         calc_rom_checksum:
                                                                                                                                                                                                  ; CODE XREF: 0000:00841p
0A53 11 71 85
0A56 21 00 00
0A59 0E 10
0A5B 06 00
                                                                                                                                           de, 8571h
hl, 0 ; start of ROM
c, 10h ; $1000 end of ROM
b, 0 ; zero checksum
                                                                                                                 ld
 0A5D
                                                          loc_0_A5D:
                                                                                                                                                                                                  ; CODE XREF: calc_rom_checksum+16|j
                                                                                                                                    a, 1
(6822h), a ; sub2 IRQ disable
a, b ; get checksum
a, (h1) ; add next byte
(de), a ; store checksum
h1 ; next ROM address
b, a ; store checksum
a, c
                 32 22 68
78
 0A5F
                                                                                                                 ld
 0A62 78
0A63 86
0A64 12
                                                                                                                 add
ld
                                                                                                                                           hl
b, a
a, c
h
 0A65
                 23
                                                                                                                  inc
0A66 47
0A67 79
0A68 BC
                                                                                                                                                                                                  ; end of ROM?
                                                                                                                 ср
                                                                                                                                            nz, loc_0_A5D ; no, loop
 0A69 20 F2
0A6B C9
0A6B
                                                                                                                  ret
                                                        ; End of function calc_rom_checksum
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0A6C FF FF FF FF+
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unk\_0\_A009:

unk 0 A00A:

unk\_0\_A00B: unk\_0\_A00C: unk\_0\_A00D: unk\_0\_A00E:

0-A007

unk

DATA XREF: 0000:009A↑o
0000:01F0↑o
DATA XREF: 0000:009F↑o
sub\_0\_307+6F↑o

.block .block

.block

.block 4

R\_busy\_in\_NMI:
R\_ch0\_freq\_hi:

A082 ?? ?? ?? R\_ch0\_freq: A082

A081

```
A086 ?? R_ch0_vol:
A087 ?? ?? ?? ?? R_ch1_freq:
A08B ?? R_ch1_vol:
A08C ?? ?? ?? ?? R_ch2_freq:
                                                                         .block 1
                                                                                                                             ; DATA XREF: get_volume_channel_A+11\u00f10
                                                                       .block 4
.block 1
.block 4
                                                                                                                            ; DATA XREF: get_volume_channel_A+D1o; DATA XREF: sub_0_307+651o; DATA XREF: set_volume_channel_A+91o; DATA XREF: 0000:01FB1r; sub_0_307+DE1o
A090 ??
A091 ??
A091
A092 ??
                                     R_ch2_vol: .block 1
R_ch_0_wavrform:.block 1
                                    R_ch_1_waveform:.block 1
R_ch_2_waveform:.block 1
unk_0_A094: .block 1
unk_0_A095: .block 1
unk_0_A096: .block 1
A092
A093
A094
A095
A096
A097
A098
A098
           ??
??
??
??
                                                                         .block
                                    channel:
                                                                         .block 1
                                                                                                                             ; DATA XREF: get_volume_channel_A^r; sub_0_307+5C^r...
                                    unk_0_A099:
unk_0_A09A:
           ??
??
??
??
??
??
                                                                         .block 1
                                                                         .block
A09A
A09B
A09C
                                                                         .block
A09D
                                                                         .block
A09E
A09F
A0A0
                                                                         .block
                                                                         .block
A0A1
A0A2
A0A3
A0A4
                                                                         .block
.block
           .block
A0A5
A0A6
A0A7
A0A8
                                                                         .block
.block
.block
                                                                         .block
AOA9
AOAA
AOAB
                                                                         .block
                                                                         .block
A0AC
                                                                         .block
A0AD
A0AE
A0AF
                                                                         .block
                                                                         .block
A0B0
                                                                         .block
A0B1
A0B2
                                                                         .block
A0B3
                                                                         .block
A0B4
A0B5
A0B6
A0B7
                                                                          .block
                                                                         .block
           .block
AOB8
                                                                         .block
AOB9
AOBA
                                                                         .block
A0BB
                                                                         .block
AOBC
AOBD
AOBE
                                                                         .block
                                                                         .block
A0BF
                                                                         .block
A0C1
A0C2
A0C3
A0C4
A0C5
A0C6
                                                                         .block
                                                                         .block
                                                                         .block
                                                                         .block
                                                                         .block
A0C7
A0C8
A0C9
                                                                         .block
                                                                         .block
AOCA
                                                                         .block
AOCB
AOCC
AOCD
                                                                         .block
                                                                         .block
AOCE
AOCF
AODO
                                                                         .block
.block
           A0D1
                                                                         .block
A0D2
A0D3
A0D4
                                                                         .block
                                                                         .block
A0D5
A0D6
                                                                         .block
                                                                         .block
A0D7
A0D8
                                                                         .block
.block
A0D9
                                                                         .block
A0DA
A0DB
A0DC
                                                                         .block
                                                                         .block
           ??
AODD
                                                                         .block
A0DE
A0DF
                                                                         .block
A0E0
                                                                         .block
DE1 2?
OE2 2?
OE3 2?
OE4 2?
OE5 2?
OE6 2?
OE6 2?
OE7 2?
OE8 2?
                                                                         .block
                                                                          .block
                                                                         .block
                                                                         .block
                                                                         .block
                                                                         .block
                                                                          .block
                                                                         .block
                                                                         .block
                                                                         .block
                                                                         .block
```

A0FE ?? . .block 1
A0FF ?? . .block 1
A100 ?? ?? ?? ??+ .block 700h
A100 ?? ?? ?? ??+, end of 'share4'
A100 ?? ?? ?? ??+
A100 ?? ?? ?? ??+
A100 ?? ?? ?? ?? ??+