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maxx_demo_ROM_532.dsm
// Maxx Steele robot demo cartridge
// located at $A000
// comments by R. wind maxxbot@yahoo.com

00000000:      13A0                      entry jump vector to $A013

      copyright characters
00000002:      28632920      (c)
00000006:      3139383520      1985
0000000B:      43425320      CBS
0000000F:      546F7973      TOYS

      code executed in cartridge
00000013:      A902      LDA #$02      entry point
00000015:      8502      STA $02      SEr, Ebof
00000017:      A982      LDA #$82      PDon, Edof, SPof, UCon
00000019:      8503      STA $03
0000001B:      A200      LDX #$00
0000001D:      BD35A0      LDA $A035,X      copy cart program to RAM
00000020:      9D0002      STA $0200,X
00000023:      BD81A0      LDA $A081,X      copy cart phrases to RAM
00000026:      9D0005      STA $0500,X
00000029:      BDBBA0      LDA $A0BB,X      copy cart music to RAM
0000002C:      9D0004      STA $0400,X
0000002F:      E8      INX
00000030:      D0EB      BNE $EB      to $A01D
00000032:      4CB6E0      JMP $E0B6      jump back to ROM code

      program table copied to RAM @ $0200+
00000035:      83 10      "Hello, I am Maxx Steele"
00000037:      0C 02      delay 2 seconds
00000039:      83 00      "I am great, and you"
0000003B:      0C 0A      delay 10 seconds
0000003D:      83 16      "Good morning"
0000003F:      0C 01      delay 1 second
00000041:      83 17      "It is time to get up"
00000043:      0C 01      delay 1 second
00000045:      81 06      play tune: Revelee
00000047:      0C 0A      delay 10 seconds
00000049:      83 01      "I am ready when you are"
0000004B:      0C 01      delay 1 second
0000004D:      01 14      move forward
0000004F:      0C 04      delay 4 seconds
00000051:      06 28      raise arm
00000053:      05 23      rotate wrist down
00000055:      0C 03      delay 3 seconds
00000057:      08 15      rotate claw
00000059:      09 00      open claw
0000005B:      0C 02      delay 2 seconds
0000005D:      0A 01      turn light on
0000005F:      0C 07      delay 7 seconds
00000061:      0A 00      turn light off
00000063:      03 06      turn right
00000065:      0C 05      delay 5 seconds
00000067:      82 3F      "Ha ha ha ha ha"
00000069:      0C 04      delay 4 seconds
0000006B:      83 02      "I am a great match for humans"
0000006D:      0C 03      delay 3 seconds
0000006F:      83 03      "Goodbye for now, have a good day"
00000071:      0C 01      delay 1 second
00000073:      00 05      turn left
00000075:      0C 02      delay 2 seconds
00000077:      81 00      play tune: notes (SONG 0)

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00000079:      0C 02   delay 2 seconds
0000007B:      0B 00   home
0000007D:      02 14   back up
0000007F:      FF FF   end

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      phrase table copied to RAM @ $0500
00000081:      44193E8C      I am great (pause)
00000085:      1B8AFFFF      and you
00000089:      FFFFFFFF
0000008D:      FFFFFFFF
00000091:      44196883      I am ready when
00000095:      8A1EFFFF      you are
00000099:      FFFFFFFF
0000009D:      FFFFFFFF
000000A1:      4419133E      I am a great
000000A5:      5304436D      match for human sss
000000A9:      FFFFFFFF
000000AD:      FFFFFFFF
000000B1:      3D25045B      Good by for now
000000B5:      8C40133D      (pause) have a good
000000B9:      2EFF          day

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      music table copied to RAM @ $0400
000000BB:      7012
000000BD:      7011
000000BF:      380F
000000C1:      540D
000000C3:      E00F
000000C5:      0000

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000000C7:      14      INC D      Begin 8080 code (not Maxx-related)
000000C8:      77      LD (HL),E
000000C9:      E5      PUSH HL
000000CA:      3E02     LD A,$02
000000CC:      CDFF61   CALL $61FF
000000CF:      7C      LD A,H
000000D0:      B5      OR L
000000D1:      CAD520   JP Z,$20D5
000000D4:      C9      RET
000000D5:      218713   LD HL,$1387
000000D8:      EB      EX DE,HL
000000D9:      2A2314   LD HL,$1423
000000DC:      EB      EX DE,HL
000000DD:      73      LD (HL),E
000000DE:      23      INC HL
000000DF:      72      LD (HL),D
000000E0:      C9      RET
000000E1:      3A4B14   LD A,($144B)
000000E3:      14      INC D
000000E4:      E601     AND $01
000000E6:      A7      AND A
000000E7:      CA172A   JP Z,$2A17
000000E8:      17      RLA
000000E9:      212A21   LD HL,$212A
000000EC:      14      INC D
000000ED:      EB      EX DE,HL
000000EE:      2A2314   LD HL,$1423
000000F1:      EB      EX DE,HL
000000F2:      CD5A6E   CALL $6E5A
000000F5:      D21721   JP NC,$2117
000000F8:      219713   LD HL,$1397

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000000FB: E5      PUSH HL
000000FC: 2A2314 LD HL,$1423
000000FF: 23      INC HL
00000100: 22D614 LD ($14D6),HL
00000103: 21D614 LD HL,$14D6
00000106: E53E    PUSH HL
00000107: 3E01    LD A,$01
00000109: CDB06B CALL $6BB0
0000010C: D1EB    POP DE
0000010D: EB      EX DE,HL
0000010E: 73      LD (HL),E
0000010F: 23      INC HL
00000110: 72      LD (HL),D
00000111: 2A2314 LD HL,$1423
00000112: 23      INC HL
00000113: 14      INC D
00000114: 222114 LD ($1421),HL
00000117: C9      RET
00000118: AF      XOR A
00000119: CD5621 CALL $2156
0000011C: A7      AND A
0000011D: C25221 JP NZ,$2152
00000120: 3A9513 LD A,($1395)
00000123: E680    AND $80
00000125: A7      AND A
00000126: C22E21 JP NZ,$212E
00000129: AF      XOR A
0000012A: CD112B CALL $2B11
0000012D: C9      RET
0000012E: 3A8A13 LD A,($138A)
00000131: 32      .DB $32
00000132: E613    INC $13
00000134: AF      .DB $AF
00000135: CD592D CMP $2D59
00000138: A7      .DB $A7
00000139: C2      .DB $C2
0000013A: 52      .DB $52
0000013B: 212A    AND ($2A,X)
0000013D: 13      .DB $13
0000013E: 14      .DB $14
0000013F: 0114    ORA ($14,X)
00000141: 00      BRK
00000142: 09E5    ORA #$E5
00000144: 3E01CD ROL $CD01,X
00000147: B06B    BCS $6B
00000149: 22      .DB $22
0000014A: E913    SBC #$13
0000014C: 3E00C9 ROL $C900,X
0000014F: C3      .DB $C3
00000150: 18      CLC
00000151: 213E    AND ($3E,X)
00000153: FF      .DB $FF
00000154: C9C9    CMP #$C9
00000156: AF      .DB $AF
00000157: CD6021 CMP $2160
0000015A: AF      .DB $AF
0000015B: CD7222 CMP $2272
0000015E: C9C9    CMP #$C9
00000160: 2100    AND ($00,X)
00000162: 1122    ORA ($22),Y
00000164: 4D3021 EOR $2130
00000167: 00      BRK
00000168: 12      .DB $12

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00000169: 22 .DB $22
0000016A: 9D30CD STA $CD30,X
0000016D: 841C STY $1C
0000016F: 3A .DB $3A
00000170: A42F LDY $2F
00000172: E602 INC $02
00000174: C437 CPY $37
00000176: 22 .DB $22
00000177: CD1522 CMP $2215
0000017A: CDA921 CMP $21A9
0000017D: DA .DB $DA
0000017E: 8C21C5 STY $C521
00000181: CD1B22 CMP $221B
00000184: C1CD CMP ($CD,X)
00000186: CF .DB $CF
00000187: 21D8 AND ($D8,X)
00000189: C3 .DB $C3
0000018A: 77 .DB $77
0000018B: 21FE AND ($FE,X)
0000018D: 02 .DB $02
0000018E: CA DEX
0000018F: 93 .DB $93
00000190: 2137 AND ($37,X)
00000192: C979 CMP #$79
00000194: B7 .DB $B7
00000195: CA DEX
00000196: A121 LDA ($21,X)
00000198: C5CD CMP $CD
0000019A: 1B .DB $1B
0000019B: 22 .DB $22
0000019C: C1CD CMP ($CD,X)
0000019E: CF .DB $CF
0000019F: 21D8 AND ($D8,X)
000001A1: CD841C CMP $1C84
000001A4: AF .DB $AF
000001A5: 32 .DB $32
000001A6: A62F LDX $2F
000001A8: C906 CMP #$06
000001AA: 34 .DB $34
000001AB: 0E0021 ASL $2100
000001AE: 52 .DB $52
000001AF: 3122 AND ($22),Y
000001B1: 4F .DB $4F
000001B2: 30C5 BMI $C5
000001B4: CDF121 CMP $21F1
000001B7: 214D AND ($4D,X)
000001B9: 30CD BMI $CD
000001BB: FF .DB $FF
000001BC: D1C1 CMP ($C1),Y
000001BE: D8 CLD
000001BF: 0C .DB $0C
000001C0: 05C8 ORA $C8
000001C2: 2A ROL A
000001C3: 4F .DB $4F
000001C4: 3011 BMI $11
000001C6: 80 .DB $80
000001C7: 00 BRK
000001C8: 19224F ORA $4F22,Y
000001CB: 30C3 BMI $C3
000001CD: B3 .DB $B3
000001CE: 2141 AND ($41,X)
000001D0: 2152 AND ($52,X)
000001D2: 3122 AND ($22),Y

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000001D4: 9F .DB $9F
000001D5: 30C5 BMI $C5
000001D7: CDF121 CMP $21F1
000001DA: 219D AND ($9D,X)
000001DC: 30CD BMI $CD
000001DE: FF .DB $FF
000001DF: D1C1 CMP ($C1),Y
000001E1: D8 CLD
000001E2: 05C8 ORA $C8
000001E4: 2A ROL A
000001E5: 9F .DB $9F
000001E6: 3011 BMI $11
000001E8: 80 .DB $80
000001E9: 00 BRK
000001EA: 19229F ORA $9F22,Y
000001ED: 30C3 BMI $C3
000001EF: D621 DEC $21,X
000001F1: 78 SEI
000001F2: E603 INC $03
000001F4: C2 .DB $C2
000001F5: FB .DB $FB
000001F6: 21CD AND ($CD,X)
000001F8: 28 PLP
000001F9: 22 .DB $22
000001FA: C9FE CMP #$FE
000001FC: 02 .DB $02
000001FD: C0CD CPY #$CD
000001FF: 28 PLP
00000200: 22 .DB $22
00000201: C93A CMP #$3A
00000203: A42F LDY $2F
00000205: E602 INC $02
00000207: C0E5 CPY #$E5
00000209: 2605 ROL $05
0000020B: 2E00CD ROL $CD00
0000020E: 1F .DB $1F
0000020F: EEE1CD INC $CDE1
00000212: 48 PHA
00000213: EF .DB $EF
00000214: C921 CMP #$21
00000216: 3E22C3 ROL $C322,X
00000219: 1E2221 ASL $2122,X
0000021C: 5122 EOR ($22),Y
0000021E: 3A .DB $3A
0000021F: A42F LDY $2F
00000221: E602 INC $02
00000223: C0CD CPY #$CD
00000225: 48 PHA
00000226: EF .DB $EF
00000227: C93A CMP #$3A
00000229: A42F LDY $2F
0000022B: E602 INC $02
0000022D: C03A CPY #$3A
0000022F: 92 .DB $92
00000230: F9EE0A SBC $0AEE,Y
00000233: 32 .DB $32
00000234: 92 .DB $92
00000235: F9C921 SBC $21C9,Y
00000238: 64 .DB $64
00000239: 22 .DB $22
0000023A: CD48EF CMP $EF48
0000023D: C920 CMP #$20
0000023F: 202A20 JSR $202A

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00000242: 52 .DB $52 R
00000243: 6561 ADC $61 ea
00000245: 64 .DB $64 d
00000246: 696E ADC #$6E in
00000248: 67 .DB $67 g
00000249: 206461 JSR $6164 da
0000024C: 74 .DB $74 t
0000024D: 612E ADC ($2E,X) a
0000024F: 0D0020 ORA $2000
00000252: 202A20 JSR $202A
00000255: 57 .DB $57 w
00000256: 72 .DB $72 r
00000257: 6974 ADC #$74 it
00000259: 696E ADC #$6E in
0000025B: 67 .DB $67 g
0000025C: 206461 JSR $6164 da
0000025F: 74 .DB $74 t
00000260: 612E ADC ($2E,X) a
00000262: 0D000D ORA $0D00
00000265: 0A ASL A
00000266: 00 BRK
00000267: 11B6 ORA ($B6),Y
00000269: 22 .DB $22
0000026A: CD7E1D CMP $1D7E
0000026D: D8 CLD
0000026E: CA DEX
0000026F: 8622 STX $22
00000271: 214D AND ($4D,X)
00000273: 3011 BMI $11
00000275: 08 PHP
00000276: 00 BRK
00000277: 197EE6 ORA $E67E,Y
0000027A: 80 .DB $80
0000027B: CA DEX
0000027C: 8E22CD STX $CD22
0000027F: 4669 LSR $69
00000281: D8 CLD
00000282: CD9822 CMP $2298
00000285: D8 CLD
00000286: CD711C CMP $1C71
00000289: AF .DB $AF
0000028A: 32 .DB $32
0000028B: A62F LDX $2F
0000028D: C921 CMP #$21
0000028F: A122 LDA ($22,X)
00000291: 3E0132 ROL $3201,X
00000294: A62F LDX $2F
00000296: 37 .DB $37
00000297: C93E CMP #$3E
00000299: 03 .DB $03
0000029A: 214D AND ($4D,X)
0000029C: 30CD BMI $CD
0000029E: D8 CLD
0000029F: DEC946 DEC $46C9,X F
000002A2: 696C ADC #$6C il
000002A4: 6520 ADC $20 e
000002A6: 6E6F74 ROR $746F not
000002A9: 206F6E JSR $6E6F on
000002AC: 206E65 JSR $656E ne
000002AF: 74 .DB $74 t
000002B0: 77 .DB $77 w
000002B1: 6F .DB $6F o
000002B2: 72 .DB $72 r

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000002B3: 6B .DB $6B k
000002B4: 2E0020 ROL $2000
000002B7: 5175 EOR ($75),Y Qu
000002B9: 6575 ADC $75 eu
000002BB: 6520 ADC $20 e
000002BD: 6669 ROR $69 fi
000002BF: 6C6520 JMP ($2065) le
000002C2: 3A .DB $3A
000002C3: 2000AF JSR $AF00
000002C6: 32 .DB $32
000002C7: 77 .DB $77
000002C8: 24C3 BIT $C3
000002CA: E122 SBC ($22,X)
000002CC: 3E0132 ROL $3201,X
000002CF: 77 .DB $77
000002D0: 24C3 BIT $C3
000002D2: E122 SBC ($22,X)
000002D4: 3E0232 ROL $3202,X
000002D7: 77 .DB $77
000002D8: 24C3 BIT $C3
000002DA: E122 SBC ($22,X)
000002DC: 3E0332 ROL $3203,X
000002DF: 77 .DB $77
000002E0: 243A BIT $3A
000002E2: A3 .DB $A3
000002E3: 2F .DB $2F
000002E4: E608 INC $08
000002E6: C2 .DB $C2
000002E7: 9D233A STA $3A23,X
000002EA: 9E .DB $9E
000002EB: 1EB7C2 ASL $C2B7,X
000002EE: 9D233A STA $3A23,X
000002F1: 77 .DB $77
000002F2: 24FE BIT $FE
000002F4: 02 .DB $02
000002F5: C2 .DB $C2
000002F6: 12 .DB $12
000002F7: 23 .DB $23
000002F8: 3A .DB $3A
000002F9: 9D30E6 STA $E630,X
000002FC: 02 .DB $02
000002FD: C2 .DB $C2
000002FE: 9D2321 STA $2123,X
00000301: A530 LDA $30
00000303: 7EE640 ROR $40E6,X
00000306: CA DEX
00000307: 12 .DB $12
00000308: 23 .DB $23
00000309: 21EC AND ($EC,X)
0000030B: 307E BMI $7E
0000030D: E6E0 INC $E0
0000030F: CA DEX
00000310: 9D2321 STA $2123,X
00000313: 2F .DB $2F
00000314: 3011 BMI $11
00000316: 78 SEI
00000317: 2406 BIT $06
00000319: 14 .DB $14
0000031A: CD521B CMP $1B52
0000031D: 3A .DB $3A
0000031E: A42F LDY $2F
00000320: F601 INC $01,X
00000322: 32 .DB $32

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00000323: A42F LDY $2F
00000325: 3A .DB $3A
00000326: 77 .DB $77
00000327: 24FE BIT $FE
00000329: 00 BRK
0000032A: CA DEX
0000032B: 4123 EOR ($23,X)
0000032D: FE01CA INC $CA01,X
00000330: 5523 EOR $23,X
00000332: FE02CA INC $CA02,X
00000335: 4B .DB $4B
00000336: 23 .DB $23
00000337: 210C AND ($0C,X)
00000339: 24E5 BIT $E5
0000033B: 2112 AND ($12,X)
0000033D: 1C .DB $1C
0000033E: C3 .DB $C3
0000033F: 5C .DB $5C
00000340: 23 .DB $23
00000341: 2115 AND ($15,X)
00000343: 24E5 BIT $E5
00000345: 21D6 AND ($D6,X)
00000347: 1B .DB $1B
00000348: C3 .DB $C3
00000349: 5C .DB $5C
0000034A: 23 .DB $23
0000034B: 2102 AND ($02,X)
0000034D: 24E5 BIT $E5
0000034F: 2112 AND ($12,X)
00000351: 1C .DB $1C
00000352: C3 .DB $C3
00000353: 5C .DB $5C
00000354: 23 .DB $23
00000355: 211F AND ($1F,X)
00000357: 24E5 BIT $E5
00000359: 21D6 AND ($D6,X)
0000035B: 1B .DB $1B
0000035C: CD841C CMP $1C84
0000035F: E3 .DB $E3
00000360: CD48EF CMP $EF48
00000363: E1CD SBC ($CD,X)
00000365: 48 PHA
00000366: EF .DB $EF
00000367: 2605 ROL $05
00000369: 2E3CCD ROL $CD3C
0000036C: 1F .DB $1F
0000036D: EE2127 INC $2721
00000370: 24CD BIT $CD
00000372: 48 PHA
00000373: EF .DB $EF
00000374: CD59EE CMP $EE59
00000377: AF .DB $AF
00000378: CD1DE9 CMP $E91D
0000037B: CD72EE CMP $EE72
0000037E: CD9F23 CMP $239F
00000381: FE59CA INC $CA59,X
00000384: 9D23FE STA $FE23,X
00000387: 4ECA98 LSR $98CA
0000038A: 23 .DB $23
0000038B: FE18CA INC $CA18,X
0000038E: 98 TYA
0000038F: 23 .DB $23
00000390: FE7FCA INC $CA7F,X

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00000393: 98      TYA
00000394: 23      .DB $23
00000395: C3      .DB $C3
00000396: 74      .DB $74
00000397: 23      .DB $23
00000398: 2165    AND ($65,X)
0000039A: 2437    BIT $37
0000039C: C9AF    CMP #$AF
0000039E: C9CD    CMP #$CD
000003A0: 87      .DB $87
000003A1: 1B      .DB $1B
000003A2: 2133    AND ($33,X)
000003A4: 24FE    BIT $FE
000003A6: 4ECAB0  LSR $B0CA
000003A9: 23      .DB $23
000003AA: 212F    AND ($2F,X)
000003AC: 24FE    BIT $FE
000003AE: 59C0F5  EOR $F5C0,Y
000003B1: CD48EF  CMP $EF48
000003B4: F1C9    SBC ($C9),Y
000003B6: 3A      .DB $3A
000003B7: A52F    LDA $2F
000003B9: 3D32A5  AND $A532,X
000003BC: 2F      .DB $2F
000003BD: C03A    CPY #$3A
000003BF: A42F    LDY $2F
000003C1: E601    INC $01
000003C3: C2      .DB $C2
000003C4: E8      INX
000003C5: 23      .DB $23
000003C6: E526    SBC $26
000003C8: 17      .DB $17
000003C9: 2E00CD  ROL $CD00
000003CC: 1F      .DB $1F
000003CD: EE2136  INC $3621
000003D0: 24CD    BIT $CD
000003D2: 48      PHA
000003D3: EF      .DB $EF
000003D4: CD59EE  CMP $EE59
000003D7: E1CD    SBC ($CD,X)
000003D9: 38      SEC
000003DA: E9FE    SBC #$FE
000003DC: 0DCAE8  ORA $E8CA
000003DF: 23      .DB $23
000003E0: FE7FCA  INC $CA7F,X
000003E3: F523    SBC $23,X
000003E5: C3      .DB $C3
000003E6: D8      CLD
000003E7: 23      .DB $23
000003E8: E5CD    SBC $CD
000003EA: 72      .DB $72
000003EB: EEC8A    INC $8ACD
000003EE: 1C      .DB $1C
000003EF: CD452D  CMP $2D45
000003F2: E1AF    SBC ($AF,X)
000003F4: C9CD    CMP #$CD
000003F6: 72      .DB $72
000003F7: EEC8A    INC $8ACD
000003FA: 1C      .DB $1C
000003FB: 3EFF32  ROL $32FF,X
000003FE: 012F    ORA ($2F,X)
00000400: 37      .DB $37
00000401: C920    CMP #$20

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00000403: 52 .DB $52 R
00000404: 6570 ADC $70 ep
00000406: 6C6163 JMP ($6361) lac
00000409: 6520 ADC $20 e
0000040B: 00 BRK
0000040C: 204372 JSR $7243 Cr
0000040F: 6561 ADC $61 ea
00000411: 74 .DB $74 t
00000412: 6520 ADC $20 e
00000414: 00 BRK
00000415: 205363 JSR $6353 Sc
00000418: 72 .DB $72 r
00000419: 6174 ADC ($74,X) at
0000041B: 63 .DB $63 c
0000041C: 68 PLA h
0000041D: 200020 JSR $2000
00000420: 456D EOR $6D Em
00000422: 7074 BVS $74 pt
00000424: 792000 ADC $0020,Y y
00000427: 5B .DB $5B K
00000428: 592F4E EOR $4E2F,Y Y M
0000042B: 5D3F20 EOR $203F,X
0000042E: 00 BRK
0000042F: 594553 EOR $5345,Y YES
00000432: 00 BRK
00000433: 4E4F00 LSR $004F NO
00000436: 0E5072 ASL $7250 Pr
00000439: 6573 ADC $73 es
0000043B: 73 .DB $73 s
0000043C: 203C52 JSR $523C R
0000043F: 4554 EOR $54 et
00000441: 5552 EOR $52,X ur
00000443: 4E3E20 LSR $203E n
00000446: 74 .DB $74 t
00000447: 6F .DB $6F o
00000448: 20636F JSR $6F63 co
0000044B: 6E7469 ROR $6974 nti
0000044E: 6E7565 ROR $6575 nue
00000451: 206F72 JSR $726F or
00000454: 203C43 JSR $433C c
00000457: 414E EOR ($4E,X) an
00000459: 3E2074 ROL $7420,X r
0000045C: 6F .DB $6F o
0000045D: 206162 JSR $6261 ab
00000460: 6F .DB $6F o
00000461: 72 .DB $72 r
00000462: 74 .DB $74 t
00000463: 2E0046 ROL $4600 F
00000466: 756E ADC $6E,X un
00000468: 63 .DB $63 c
00000469: 74 .DB $74 t
0000046A: 696F ADC #$6F io
0000046C: 6E2073 ROR $7320 n s
0000046F: 6B .DB $6B k
00000470: 6970 ADC #$70 ip
00000472: 7065 BVS $65 pe
00000474: 64 .DB $64 d
00000475: 2E0000 ROL $0000
00000478: 861F STX $1F
0000047A: C9C9 CMP #$C9
0000047C: 2A ROL A
0000047D: 23 .DB $23
0000047E: 14 .DB $14

```

```

0000047F: 22      .DB $22
00000480: 63      .DB $63
00000481: 14      .DB $14
00000482: 2A      ROL A
00000483: 63      .DB $63
00000484: 14      .DB $14
00000485: EB      .DB $EB
00000486: 2A      ROL A
00000487: 2114    AND ($14,X)
00000489: CD5A6E  CMP $6E5A
0000048C: 00      BRK
0000048D: 14      .DB $14
0000048E: 118F    ORA ($8F),Y
00000490: 26CD    ROL $CD
00000492: 7E1DD8  ROR $D81D,X
00000495: CA      DEX
00000496: AD2411  LDA $1124
00000499: A126    LDA ($26,X)
0000049B: CD0827  CMP $2708
0000049E: D8      CLD
0000049F: CA      DEX
000004A0: AD24CD  LDA $CD24
000004A3: 4669    LSR $69
000004A5: D8      CLD
000004A6: CDB224  CMP $24B2
000004A9: D8      CLD
000004AA: CD7226  CMP $2672
000004AD: AF      .DB $AF
000004AE: 32      .DB $32
000004AF: A62F    LDX $2F
000004B1: C92A    CMP #$2A
000004B3: 63      .DB $63
000004B4: 30EB    BMI $EB
000004B6: 2A      ROL A
000004B7: B3      .DB $B3
000004B8: 307C    BMI $7C
000004BA: BA      TSX
000004BB: C2      .DB $C2
000004BC: 6E253E  ROR $3E25
000004BF: 7F      .DB $7F
000004C0: A56F    LDA $6F
000004C2: 3E7FA3  ROL $A37F,X
000004C5: 5F      .DB $5F
000004C6: 7DBBC2  ADC $C2BB,X
000004C9: 6E2563  ROR $6325
000004CC: 6A      ROR A
000004CD: 7DB4CA  ADC $CAB4,X
000004D0: 7B      .DB $7B
000004D1: 252B    AND $2B
000004D3: 22      .DB $22
000004D4: 88      DEY
000004D5: 26AF    ROL $AF
000004D7: 32      .DB $32
000004D8: 8A      TXA
000004D9: 2621    ROL $21
000004DB: D2      .DB $D2
000004DC: 3022    BMI $22
000004DE: 8B      .DB $8B
000004DF: 2621    ROL $21
000004E1: D2      .DB $D2
000004E2: 3D228D  AND $8D22,X
000004E5: 2621    ROL $21
000004E7: 00      BRK

```

```

maxx_demo_ROM_532.dsm
000004E8: 1122 ORA ($22),Y
000004EA: 4D3022 EOR $2230
000004ED: 9D303A STA $3A30,X
000004F0: 62 .DB $62
000004F1: 3057 BMI $57
000004F3: 3E04A2 ROL $A204,X
000004F6: C2 .DB $C2
000004F7: 19253E ORA $3E25,Y
000004FA: 18 CLC
000004FB: A2C2 LDX #$C2
000004FD: 32 .DB $32
000004FE: 25CD AND $CD
00000500: 38 SEC
00000501: 26CA ROL $CA
00000503: 7B .DB $7B
00000504: 25CD AND $CD
00000506: 7D25D8 ADC $D825,X
00000509: 0E501A ASL $1A50
0000050C: BEC26E LDX $6EC2,Y
0000050F: 2523 AND $23
00000511: 13 .DB $13
00000512: 0DC20B ORA $0BC2
00000515: 25C3 AND $C3
00000517: FF .DB $FF
00000518: 24CD BIT $CD
0000051A: 38 SEC
0000051B: 26CA ROL $CA
0000051D: 7B .DB $7B
0000051E: 25CD AND $CD
00000520: 7D25D8 ADC $D825,X
00000523: 1A .DB $1A
00000524: BEC26E LDX $6EC2,Y
00000527: 25FE AND $FE
00000529: FC .DB $FC
0000052A: CA DEX
0000052B: 192523 ORA $2325,Y
0000052E: 13 .DB $13
0000052F: C2 .DB $C2
00000530: 23 .DB $23
00000531: 25CD AND $CD
00000533: 38 SEC
00000534: 26CA ROL $CA
00000536: 7B .DB $7B
00000537: 25CD AND $CD
00000539: 7D25D8 ADC $D825,X
0000053C: 0E0023 ASL $2300
0000053F: 23 .DB $23
00000540: 23 .DB $23
00000541: 7EB7CA ROR $CAB7,X
00000544: 52 .DB $52
00000545: 25FE AND $FE
00000547: 06CA ASL $CA
00000549: 59252B EOR $2B25,Y
0000054C: 2B .DB $2B
0000054D: 4E2BC3 LSR $C32B
00000550: 5C .DB $5C
00000551: 252B AND $2B
00000553: 4E2B2B LSR $2B2B
00000556: C3 .DB $C3
00000557: 5C .DB $5C
00000558: 252B AND $2B
0000055A: 2B .DB $2B
0000055B: 2B .DB $2B

```

```

0000055C: 0C      .DB $0C
0000055D: 0C      .DB $0C
0000055E: 0C      .DB $0C
0000055F: 0C      .DB $0C
00000560: 1A      .DB $1A
00000561: BEC26E LDX $6EC2,Y
00000564: 250D    AND $0D
00000566: CA      DEX
00000567: 32      .DB $32
00000568: 2513    AND $13
0000056A: 23      .DB $23
0000056B: C3      .DB $C3
0000056C: 60      RTS
0000056D: 25CD    AND $CD
0000056F: 72      .DB $72
00000570: 2621    ROL $21
00000572: B3      .DB $B3
00000573: 263E    ROL $3E
00000575: 0132    ORA ($32,X)
00000577: A62F    LDX $2F
00000579: 37      .DB $37
0000057A: C9AF    CMP #$AF
0000057C: C93A    CMP #$3A
0000057E: 8A      TXA
0000057F: 26B7    ROL $B7
00000581: CA      DEX
00000582: A7      .DB $A7
00000583: 253A    AND $3A
00000585: 8A      TXA
00000586: 263D    ROL $3D
00000588: 32      .DB $32
00000589: 8A      TXA
0000058A: 262A    ROL $2A
0000058C: 8B      .DB $8B
0000058D: 2611    ROL $11
0000058F: 80      .DB $80
00000590: 00      BRK
00000591: 19228B  ORA $8B22,Y
00000594: 262A    ROL $2A
00000596: 8D2611  STA $1126
00000599: 80      .DB $80
0000059A: 00      BRK
0000059B: 19228D  ORA $8D22,Y
0000059E: 262A    ROL $2A
000005A0: 8D26EB  STA $EB26
000005A3: 2A      ROL A
000005A4: 8B      .DB $8B
000005A5: 26C9    ROL $C9
000005A7: CDAE25  CMP $25AE
000005AA: D8      CLD
000005AB: C3      .DB $C3
000005AC: 8425    STY $25
000005AE: CD6626  CMP $2666
000005B1: 21D2    AND ($D2,X)
000005B3: 3022    BMI $22
000005B5: 8B      .DB $8B
000005B6: 2621    ROL $21
000005B8: D2      .DB $D2
000005B9: 3D228D  AND $8D22,X
000005BC: 263E    ROL $3E
000005BE: 1A      .DB $1A
000005BF: 47      .DB $47
000005C0: 32      .DB $32

```

```

000005C1: 8A TXA
000005C2: 260E ROL $0E
000005C4: 00 BRK
000005C5: 2152 AND ($52,X)
000005C7: 3122 AND ($22),Y
000005C9: 4F .DB $4F
000005CA: 30F5 BMI $F5
000005CC: C5D5 CMP $D5
000005CE: E5CD SBC $CD
000005D0: 27 .DB $27
000005D1: 26E1 ROL $E1
000005D3: D1C1 CMP ($C1),Y
000005D5: F121 SBC ($21),Y
000005D7: 4D30CD EOR $CD30
000005DA: FF .DB $FF
000005DB: D1DA CMP ($DA),Y
000005DD: 1B .DB $1B
000005DE: 260C ROL $0C
000005E0: 05CA ORA $CA
000005E2: F125 SBC ($25),Y
000005E4: 2A ROL A
000005E5: 4F .DB $4F
000005E6: 3011 BMI $11
000005E8: 80 .DB $80
000005E9: 00 BRK
000005EA: 19224F ORA $4F22,Y
000005ED: 30C3 BMI $C3
000005EF: CB .DB $CB
000005F0: 2541 AND $41
000005F2: 2152 AND ($52,X)
000005F4: 3E229F ROL $9F22,X
000005F7: 30F5 BMI $F5
000005F9: C5D5 CMP $D5
000005FB: E5CD SBC $CD
000005FD: 27 .DB $27
000005FE: 26E1 ROL $E1
00000600: D1C1 CMP ($C1),Y
00000602: F121 SBC ($21),Y
00000604: 9D30CD STA $CD30,X
00000607: FF .DB $FF
00000608: D1D8 CMP ($D8),Y
0000060A: 05CA ORA $CA
0000060C: 22 .DB $22
0000060D: 262A ROL $2A
0000060F: 9F .DB $9F
00000610: 3011 BMI $11
00000612: 80 .DB $80
00000613: 00 BRK
00000614: 19229F ORA $9F22,Y
00000617: 30C3 BMI $C3
00000619: F8 SED
0000061A: 25FE AND $FE
0000061C: 02 .DB $02
0000061D: CA DEX
0000061E: F125 SBC ($25),Y
00000620: 37 .DB $37
00000621: C9CD CMP #$CD
00000623: 6C26AF JMP ($AF26)
00000626: C978 CMP #$78
00000628: E603 INC $03
0000062A: C2 .DB $C2
0000062B: 3126 AND ($26),Y
0000062D: CD5726 CMP $2657

```

```

00000630: C9FE    CMP #$FE
00000632: 02      .DB $02
00000633: C0CD    CPY #$CD
00000635: 57      .DB $57
00000636: 26C9    ROL $C9
00000638: 2A      ROL A
00000639: 88      DEY
0000063A: 267C    ROL $7C
0000063C: B5C8    LDA $C8,X
0000063E: 2B      .DB $2B
0000063F: 22      .DB $22
00000640: 88      DEY
00000641: 26B7    ROL $B7
00000643: C9CD    CMP #$CD
00000645: 54      .DB $54
00000646: 264E    ROL $4E
00000648: 6F      .DB $6F
00000649: 206669 JSR $6966
0000064C: 6C656E JMP ($6E65)
0000064F: 616D    ADC ($6D,X)
00000651: 652E    ADC $2E
00000653: 00      BRK
00000654: E137    SBC ($37,X)
00000656: C93A    CMP #$3A
00000658: A42F    LDY $2F
0000065A: E602    INC $02
0000065C: C03A    CPY #$3A
0000065E: 92      .DB $92
0000065F: F9EE0A SBC $0AEE,Y
00000662: 32      .DB $32
00000663: 92      .DB $92
00000664: F9C921 SBC $21C9,Y
00000667: BF      .DB $BF
00000668: 26C3    ROL $C3
0000066A: 7526    ADC $26,X
0000066C: 21BF    AND ($BF,X)
0000066E: 26C3    ROL $C3
00000670: 7526    ADC $26,X
00000672: 21D3    AND ($D3,X)
00000674: 263A    ROL $3A
00000676: A42F    LDY $2F
00000678: E602    INC $02
0000067A: C0E5    CPY #$E5
0000067C: 2605    ROL $05
0000067E: 2E00CD ROL $CD00
00000681: 1F      .DB $1F
00000682: EEE1CD INC $CDE1
00000685: 48      PHA
00000686: EF      .DB $EF
00000687: C900    CMP #$00
00000689: 00      BRK
0000068A: 00      BRK
0000068B: 00      BRK
0000068C: 00      BRK
0000068D: 00      BRK
0000068E: 00      BRK
0000068F: 205665 JSR $6556
00000692: 72      .DB $72
00000693: 6966    ADC #$66
00000695: 792066 ADC $6620,Y
00000698: 696C    ADC #$6C
0000069A: 6520    ADC $20
0000069C: 20203A JSR $3A20

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maxx_demo_ROM_532.dsm
0000069F: 200020 JSR $2000
000006A2: 206167 JSR $6761
000006A5: 6169 ADC ($69,X) ai ag
000006A7: 6E7374 ROR $7473 nst
000006AA: 206669 JSR $6966 fi
000006AD: 6C6520 JMP ($2065) le
000006B0: 3A .DB $3A
000006B1: 200042 JSR $4200 B
000006B4: 6164 ADC ($64,X) ad
000006B6: 207665 JSR $6576 ve
000006B9: 72 .DB $72 r
000006BA: 6966 ADC #$66 if
000006BC: 792E00 ADC $002E,Y y
000006BF: 20202A JSR $2A20
000006C2: 205665 JSR $6556
000006C5: 72 .DB $72
000006C6: 6966 ADC #$66
000006C8: 79696E ADC $6E69,Y
000006CB: 67 .DB $67
000006CC: 206461 JSR $6164
000006CF: 74 .DB $74
000006D0: 612E ADC ($2E,X)
000006D2: 00 BRK
000006D3: 202020 JSR $2020
000006D6: 202020 JSR $2020
000006D9: 202020 JSR $2020
000006DC: 202020 JSR $2020
000006DF: 202020 JSR $2020
000006E2: 202020 JSR $2020
000006E5: 200011 JSR $1100
000006E8: 34 .DB $34
000006E9: 28 PLP
000006EA: CD7E1D CMP $1D7E
000006ED: D8 CLD
000006EE: CA DEX
000006EF: 03 .DB $03
000006F0: 27 .DB $27
000006F1: 1146 ORA ($46),Y
000006F3: 28 PLP
000006F4: CD0827 CMP $2708
000006F7: D8 CLD
000006F8: CA DEX
000006F9: 03 .DB $03
000006FA: 27 .DB $27
000006FB: CD4669 CMP $6946
000006FE: D8 CLD
000006FF: CD3C27 CMP $273C
00000702: D8 CLD
00000703: AF .DB $AF
00000704: 32 .DB $32
00000705: A62F LDX $2F
00000707: C9D5 CMP #$D5
00000709: 21FD AND ($FD,X)
0000070B: 2F .DB $2F
0000070C: CD151B CMP $1B15
0000070F: D12A CMP ($2A),Y
00000711: A7 .DB $A7
00000712: 2F .DB $2F
00000713: CDDE18 CMP $18DE
00000716: D8 CLD
00000717: 3A .DB $3A
00000718: 36F5 ROL $F5,X
0000071A: B7 .DB $B7

```



```

0000071B:  CA      DEX
0000071C:  BF      .DB $BF
0000071D:  0C      .DB $0C
0000071E:  E602    INC $02
00000720:  CA      DEX
00000721:  BF      .DB $BF
00000722:  0C      .DB $0C
00000723:  CD721E  CMP $1E72
00000726:  3E1132  ROL $3211,X
00000729:  9E      .DB $9E
0000072A:  3021    BMI $21
0000072C:  D2      .DB $D2
0000072D:  3122    AND ($22),Y
0000072F:  9F      .DB $9F
00000730:  3021    BMI $21
00000732:  9D30CD  STA $CD30,X
00000735:  FF      .DB $FF
00000736:  D1D8    CMP ($D8),Y
00000738:  3E01B7  ROL $B701,X
0000073B:  C921    CMP #$21
0000073D:  4D3036  EOR $3630
00000740:  20219D  JSR $9D21
00000743:  3036    BMI $36
00000745:  202157  JSR $5721
00000748:  3011    BMI $11
0000074A:  80      .DB $80
0000074B:  28      PLP
0000074C:  060A    ASL $0A
0000074E:  CD1F1B  CMP $1B1F
00000751:  217F    AND ($7F,X)
00000753:  3011    BMI $11
00000755:  8A      TXA
00000756:  28      PLP
00000757:  0614    ASL $14
00000759:  CD1F1B  CMP $1B1F
0000075C:  2155    AND ($55,X)
0000075E:  3011    BMI $11
00000760:  A530    LDA $30
00000762:  1A      .DB $1A
00000763:  BEC2C0  LDX $C0C2,Y
00000766:  27      .DB $27
00000767:  2158    AND ($58,X)
00000769:  28      PLP
0000076A:  1157    ORA ($57),Y
0000076C:  3006    BMI $06
0000076E:  0A      ASL A
0000076F:  CD1F1B  CMP $1B1F
00000772:  2158    AND ($58,X)
00000774:  28      PLP
00000775:  117F    ORA ($7F),Y
00000777:  3006    BMI $06
00000779:  14      .DB $14
0000077A:  CD1F1B  CMP $1B1F
0000077D:  214D    AND ($4D,X)
0000077F:  30CD    BMI $CD
00000781:  FF      .DB $FF
00000782:  D1D8    CMP ($D8),Y
00000784:  21A7    AND ($A7,X)
00000786:  3011    BMI $11
00000788:  57      .DB $57
00000789:  3006    BMI $06
0000078B:  0A      ASL A
0000078C:  CD1F1B  CMP $1B1F

```

```

0000078F: 21CF AND ($CF,X)
00000791: 3011 BMI $11
00000793: 7F .DB $7F
00000794: 3006 BMI $06
00000796: 14 .DB $14
00000797: CD1F1B CMP $1B1F
0000079A: 2180 AND ($80,X)
0000079C: 28 PLP
0000079D: 11A7 ORA ($A7),Y
0000079F: 3006 BMI $06
000007A1: 0A ASL A
000007A2: CD1F1B CMP $1B1F
000007A5: 218A AND ($8A,X)
000007A7: 28 PLP
000007A8: 11CF ORA ($CF),Y
000007AA: 3006 BMI $06
000007AC: 14 .DB $14
000007AD: CD1F1B CMP $1B1F
000007B0: 219D AND ($9D,X)
000007B2: 30CD BMI $CD
000007B4: FF .DB $FF
000007B5: D1D8 CMP ($D8),Y
000007B7: 214D AND ($4D,X)
000007B9: 30CD BMI $CD
000007BB: FF .DB $FF
000007BC: D1D8 CMP ($D8),Y
000007BE: AF .DB $AF
000007BF: C921 CMP #$21
000007C1: 04 .DB $04
000007C2: 0122 ORA ($22,X)
000007C4: FD2F21 SBC $212F,X
000007C7: 52 .DB $52
000007C8: 3122 AND ($22),Y
000007CA: FF .DB $FF
000007CB: 2F .DB $2F
000007CC: 2180 AND ($80,X)
000007CE: 00 BRK
000007CF: 22 .DB $22
000007D0: 0130 ORA ($30,X)
000007D2: 1155 ORA ($55),Y
000007D4: 3021 BMI $21
000007D6: 0530 ORA $30
000007D8: 1A .DB $1A
000007D9: 77 .DB $77
000007DA: 21A7 AND ($A7,X)
000007DC: 3011 BMI $11
000007DE: 07 .DB $07
000007DF: 3006 BMI $06
000007E1: 0A ASL A
000007E2: CD1F1B CMP $1B1F
000007E5: 21CF AND ($CF,X)
000007E7: 3011 BMI $11
000007E9: 2F .DB $2F
000007EA: 3006 BMI $06
000007EC: 14 .DB $14
000007ED: CD1F1B CMP $1B1F
000007F0: 21FD AND ($FD,X)
000007F2: 2F .DB $2F
000007F3: CDFFD1 CMP $D1FF
000007F6: D2 .DB $D2
000007F7: 2D28FE AND $FE28
000007FA: 04 .DB $04
000007FB: C2 .DB $C2

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```

maxx_demo_ROM_532.dsm
000007FC:      32      .DB $32
000007FD:      28      PLP
000007FE:     11A5     ORA ($A5),Y

00000800:      13      .DB $13 *****begin duplicate copy
00000801:     A028     LDY #$28
00000803:      63      .DB $63
00000804:     2920     AND #$20
00000806:     3139     AND ($39),Y
00000808:      38      SEC
00000809:     3520     AND $20,X
0000080B:      43      .DB $43
0000080C:      42      .DB $42
0000080D:      53      .DB $53
0000080E:     20546F   JSR $6F54
00000811:     7973A9   ADC $A973,Y
00000814:      02      .DB $02
00000815:     8502     STA $02
00000817:     A982     LDA #$82
00000819:     8503     STA $03
0000081B:     A200     LDX #$00
0000081D:     BD35A0   LDA $A035,X
00000820:     9D0002   STA $0200,X
00000823:     BD81A0   LDA $A081,X
00000826:     9D0005   STA $0500,X
00000829:     BDBBA0   LDA $A0BB,X
0000082C:     9D0004   STA $0400,X
0000082F:      E8     INX
00000830:     D0EB     BNE $EB
00000832:     4CB6E0   JMP $E0B6
00000835:      83      .DB $83
00000836:     100C     BPL $0C
00000838:      02      .DB $02
00000839:      83      .DB $83
0000083A:      00     BRK
0000083B:      0C      .DB $0C
0000083C:      0A     ASL A
0000083D:      83      .DB $83
0000083E:     160C     ASL $0C,X
00000840:     0183     ORA ($83,X)
00000842:      17      .DB $17
00000843:      0C      .DB $0C
00000844:     0181     ORA ($81,X)
00000846:     060C     ASL $0C
00000848:      0A     ASL A
00000849:      83      .DB $83
0000084A:     010C     ORA ($0C,X)
0000084C:     0101     ORA ($01,X)
0000084E:      14      .DB $14
0000084F:      0C      .DB $0C
00000850:      04      .DB $04
00000851:     0628     ASL $28
00000853:     0523     ORA $23
00000855:      0C      .DB $0C
00000856:      03      .DB $03
00000857:      08     PHP
00000858:     1509     ORA $09,X
0000085A:      00     BRK
0000085B:      0C      .DB $0C
0000085C:      02      .DB $02
0000085D:      0A     ASL A
0000085E:     010C     ORA ($0C,X)
00000860:      07      .DB $07

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```

00000861: 0A      ASL  A
00000862: 00      BRK
00000863: 03      .DB $03
00000864: 060C    ASL  $0C
00000866: 0582    ORA  $82
00000868: 3F      .DB $3F
00000869: 0C      .DB $0C
0000086A: 04      .DB $04
0000086B: 83      .DB $83
0000086C: 02      .DB $02
0000086D: 0C      .DB $0C
0000086E: 03      .DB $03
0000086F: 83      .DB $83
00000870: 03      .DB $03
00000871: 0C      .DB $0C
00000872: 0100    ORA  ($00,X)
00000874: 050C    ORA  $0C
00000876: 02      .DB $02
00000877: 8100    STA  ($00,X)
00000879: 0C      .DB $0C
0000087A: 02      .DB $02
0000087B: 0B      .DB $0B
0000087C: 00      BRK
0000087D: 02      .DB $02
0000087E: 14      .DB $14
0000087F: FF      .DB $FF
00000880: FF      .DB $FF
00000881: 44193E8C *****duplicate of $0081
00000885: 1B      .DB $1B
00000886: 8A      TXA
00000887: FF      .DB $FF
00000888: FF      .DB $FF
00000889: FF      .DB $FF
0000088A: FF      .DB $FF
0000088B: FF      .DB $FF
0000088C: FF      .DB $FF
0000088D: FF      .DB $FF
0000088E: FF      .DB $FF
0000088F: FF      .DB $FF
00000890: FF      .DB $FF
00000891: 44      .DB $44
00000892: 196883  ORA  $8368,Y
00000895: 8A      TXA
00000896: 1EFFFF  ASL  $FFFF,X
00000899: FF      .DB $FF
0000089A: FF      .DB $FF
0000089B: FF      .DB $FF
0000089C: FF      .DB $FF
0000089D: FF      .DB $FF
0000089E: FF      .DB $FF
0000089F: FF      .DB $FF
000008A0: FF      .DB $FF
000008A1: 44      .DB $44
000008A2: 19133E  ORA  $3E13,Y
000008A5: 53      .DB $53
000008A6: 04      .DB $04
000008A7: 43      .DB $43
000008A8: 6DFFFF  ADC  $FFFF
000008AB: FF      .DB $FF
000008AC: FF      .DB $FF
000008AD: FF      .DB $FF
000008AE: FF      .DB $FF
000008AF: FF      .DB $FF

```

maxxx_demo_ROM_532.dsm

```

000008B0: FF .DB $FF
000008B1: 3D2504 AND $0425,X
000008B4: 5B .DB $5B
000008B5: 8C4013 STY $1340
000008B8: 3D2EFF AND $FF2E,X
000008BB: 7012 BVS $12
000008BD: 7011 BVS $11
000008BF: 38 SEC
000008C0: 0F .DB $0F
000008C1: 54 .DB $54
000008C2: 0DE00F ORA $0FE0
000008C5: 00 BRK
000008C6: 00 BRK
000008C7: 14 .DB $14
000008C8: 77 .DB $77
000008C9: E53E SBC $3E
000008CB: 02 .DB $02
000008CC: CDFF61 CMP $61FF
000008CF: 7C .DB $7C
000008D0: B5CA LDA $CA,X
000008D2: D520 CMP $20,X
000008D4: C921 CMP #$21
000008D6: 87 .DB $87
000008D7: 13 .DB $13
000008D8: EB .DB $EB
000008D9: 2A ROL A
000008DA: 23 .DB $23
000008DB: 14 .DB $14
000008DC: EB .DB $EB
000008DD: 73 .DB $73
000008DE: 23 .DB $23
000008DF: 72 .DB $72
000008E0: C93A CMP #$3A
000008E2: 4B .DB $4B
000008E3: 14 .DB $14
000008E4: E601 INC $01
000008E6: A7 .DB $A7
000008E7: CA DEX
000008E8: 17 .DB $17
000008E9: 212A AND ($2A,X)
000008EB: 2114 AND ($14,X)
000008ED: EB .DB $EB
000008EE: 2A ROL A
000008EF: 23 .DB $23
000008F0: 14 .DB $14
000008F1: EB .DB $EB
000008F2: CD5A6E CMP $6E5A
000008F5: D2 .DB $D2
000008F6: 17 .DB $17
000008F7: 2121 AND ($21,X)
000008F9: 97 .DB $97
000008FA: 13 .DB $13
000008FB: E52A SBC $2A
000008FD: 23 .DB $23
000008FE: 14 .DB $14
000008FF: 23 .DB $23
00000900: 22 .DB $22
00000901: D614 DEC $14,X
00000903: 21D6 AND ($D6,X)
00000905: 14 .DB $14
00000906: E53E SBC $3E
00000908: 01CD ORA ($CD,X)
0000090A: B06B BCS $6B

```

```

maxx_demo_ROM_532.dsm
0000090C: D1EB    CMP ($EB),Y
0000090E: 73      .DB $73
0000090F: 23      .DB $23
00000910: 72      .DB $72
00000911: 2A      ROL A
00000912: 23      .DB $23
00000913: 14      .DB $14
00000914: 22      .DB $22
00000915: 2114    AND ($14,X)
00000917: C9AF    CMP #$AF
00000919: CD5621  CMP $2156
0000091C: A7      .DB $A7
0000091D: C2      .DB $C2
0000091E: 52      .DB $52
0000091F: 213A    AND ($3A,X)
00000921: 9513    STA $13,X
00000923: E680    INC $80
00000925: A7      .DB $A7
00000926: C2      .DB $C2
00000927: 2E21AF  ROL $AF21
0000092A: CD112B  CMP $2B11
0000092D: C93A    CMP #$3A
0000092F: 8A      TXA
00000930: 13      .DB $13
00000931: 32      .DB $32
00000932: E613    INC $13
00000934: AF      .DB $AF
00000935: CD592D  CMP $2D59
00000938: A7      .DB $A7
00000939: C2      .DB $C2
0000093A: 52      .DB $52
0000093B: 212A    AND ($2A,X)
0000093D: 13      .DB $13
0000093E: 14      .DB $14
0000093F: 0114    ORA ($14,X)
00000941: 00      BRK
00000942: 09E5    ORA #$E5
00000944: 3E01CD  ROL $CD01,X
00000947: B06B    BCS $6B
00000949: 22      .DB $22
0000094A: E913    SBC #$13
0000094C: 3E00C9  ROL $C900,X
0000094F: C3      .DB $C3
00000950: 18      CLC
00000951: 213E    AND ($3E,X)
00000953: FF      .DB $FF
00000954: C9C9    CMP #$C9
00000956: AF      .DB $AF
00000957: CD6021  CMP $2160
0000095A: AF      .DB $AF
0000095B: CD7222  CMP $2272
0000095E: C9C9    CMP #$C9
00000960: 2100    AND ($00,X)
00000962: 1122    ORA ($22),Y
00000964: 4D3021  EOR $2130
00000967: 00      BRK
00000968: 12      .DB $12
00000969: 22      .DB $22
0000096A: 9D30CD  STA $CD30,X
0000096D: 841C    STY $1C
0000096F: 3A      .DB $3A
00000970: A42F    LDY $2F
00000972: E602    INC $02

```

```

00000974: C437 CPY $37
00000976: 22 .DB $22
00000977: CD1522 CMP $2215
0000097A: CDA921 CMP $21A9
0000097D: DA .DB $DA
0000097E: 8C21C5 STY $C521
00000981: CD1B22 CMP $221B
00000984: C1CD CMP ($CD,X)
00000986: CF .DB $CF
00000987: 21D8 AND ($D8,X)
00000989: C3 .DB $C3
0000098A: 77 .DB $77
0000098B: 21FE AND ($FE,X)
0000098D: 02 .DB $02
0000098E: CA DEX
0000098F: 93 .DB $93
00000990: 2137 AND ($37,X)
00000992: C979 CMP #$79
00000994: B7 .DB $B7
00000995: CA DEX
00000996: A121 LDA ($21,X)
00000998: C5CD CMP $CD
0000099A: 1B .DB $1B
0000099B: 22 .DB $22
0000099C: C1CD CMP ($CD,X)
0000099E: CF .DB $CF
0000099F: 21D8 AND ($D8,X)
000009A1: CD841C CMP $1C84
000009A4: AF .DB $AF
000009A5: 32 .DB $32
000009A6: A62F LDX $2F
000009A8: C906 CMP #$06
000009AA: 34 .DB $34
000009AB: 0E0021 ASL $2100
000009AE: 52 .DB $52
000009AF: 3122 AND ($22),Y
000009B1: 4F .DB $4F
000009B2: 30C5 BMI $C5
000009B4: CDF121 CMP $21F1
000009B7: 214D AND ($4D,X)
000009B9: 30CD BMI $CD
000009BB: FF .DB $FF
000009BC: D1C1 CMP ($C1),Y
000009BE: D8 CLD
000009BF: 0C .DB $0C
000009C0: 05C8 ORA $C8
000009C2: 2A ROL A
000009C3: 4F .DB $4F
000009C4: 3011 BMI $11
000009C6: 80 .DB $80
000009C7: 00 BRK
000009C8: 19224F ORA $4F22,Y
000009CB: 30C3 BMI $C3
000009CD: B3 .DB $B3
000009CE: 2141 AND ($41,X)
000009D0: 2152 AND ($52,X)
000009D2: 3122 AND ($22),Y
000009D4: 9F .DB $9F
000009D5: 30C5 BMI $C5
000009D7: CDF121 CMP $21F1
000009DA: 219D AND ($9D,X)
000009DC: 30CD BMI $CD
000009DE: FF .DB $FF

```

```

maxx_demo_ROM_532.dsm
000009DF: D1C1 CMP ($C1),Y
000009E1: D8 CLD
000009E2: 05C8 ORA $C8
000009E4: 2A ROL A
000009E5: 9F .DB $9F
000009E6: 3011 BMI $11
000009E8: 80 .DB $80
000009E9: 00 BRK
000009EA: 19229F ORA $9F22,Y
000009ED: 30C3 BMI $C3
000009EF: D621 DEC $21,X
000009F1: 78 SEI
000009F2: E603 INC $03
000009F4: C2 .DB $C2
000009F5: FB .DB $FB
000009F6: 21CD AND ($CD,X)
000009F8: 28 PLP
000009F9: 22 .DB $22
000009FA: C9FE CMP #$FE
000009FC: 02 .DB $02
000009FD: C0CD CPY #$CD
000009FF: 28 PLP
00000A00: 22 .DB $22
00000A01: C93A CMP #$3A
00000A03: A42F LDY $2F
00000A05: E602 INC $02
00000A07: C0E5 CPY #$E5
00000A09: 2605 ROL $05
00000A0B: 2E00CD ROL $CD00
00000A0E: 1F .DB $1F
00000A0F: EEE1CD INC $CDE1
00000A12: 48 PHA
00000A13: EF .DB $EF
00000A14: C921 CMP #$21
00000A16: 3E22C3 ROL $C322,X
00000A19: 1E2221 ASL $2122,X
00000A1C: 5122 EOR ($22),Y
00000A1E: 3A .DB $3A
00000A1F: A42F LDY $2F
00000A21: E602 INC $02
00000A23: C0CD CPY #$CD
00000A25: 48 PHA
00000A26: EF .DB $EF
00000A27: C93A CMP #$3A
00000A29: A42F LDY $2F
00000A2B: E602 INC $02
00000A2D: C03A CPY #$3A
00000A2F: 92 .DB $92
00000A30: F9EE0A SBC $0AEE,Y
00000A33: 32 .DB $32
00000A34: 92 .DB $92
00000A35: F9C921 SBC $21C9,Y
00000A38: 64 .DB $64
00000A39: 22 .DB $22
00000A3A: CD48EF CMP $EF48
00000A3D: C920 CMP #$20
00000A3F: 202A20 JSR $202A
00000A42: 52 .DB $52
00000A43: 6561 ADC $61
00000A45: 64 .DB $64
00000A46: 696E ADC #$6E
00000A48: 67 .DB $67
00000A49: 206461 JSR $6164

```


maxx_demo_ROM_532.dsm

```

00000A4C: 74 .DB $74
00000A4D: 612E ADC ($2E,X)
00000A4F: 0D0020 ORA $2000
00000A52: 202A20 JSR $202A
00000A55: 57 .DB $57
00000A56: 72 .DB $72
00000A57: 6974 ADC #$74
00000A59: 696E ADC #$6E
00000A5B: 67 .DB $67
00000A5C: 206461 JSR $6164
00000A5F: 74 .DB $74
00000A60: 612E ADC ($2E,X)
00000A62: 0D000D ORA $0D00
00000A65: 0A ASL A
00000A66: 00 BRK
00000A67: 11B6 ORA ($B6),Y
00000A69: 22 .DB $22
00000A6A: CD7E1D CMP $1D7E
00000A6D: D8 CLD
00000A6E: CA DEX
00000A6F: 8622 STX $22
00000A71: 214D AND ($4D,X)
00000A73: 3011 BMI $11
00000A75: 08 PHP
00000A76: 00 BRK
00000A77: 197EE6 ORA $E67E,Y
00000A7A: 80 .DB $80
00000A7B: CA DEX
00000A7C: 8E22CD STX $CD22
00000A7F: 4669 LSR $69
00000A81: D8 CLD
00000A82: CD9822 CMP $2298
00000A85: D8 CLD
00000A86: CD711C CMP $1C71
00000A89: AF .DB $AF
00000A8A: 32 .DB $32
00000A8B: A62F LDX $2F
00000A8D: C921 CMP #$21
00000A8F: A122 LDA ($22,X)
00000A91: 3E0132 ROL $3201,X
00000A94: A62F LDX $2F
00000A96: 37 .DB $37
00000A97: C93E CMP #$3E
00000A99: 03 .DB $03
00000A9A: 214D AND ($4D,X)
00000A9C: 30CD BMI $CD
00000A9E: D8 CLD
00000A9F: DEC946 DEC $46C9,X
00000AA2: 696C ADC #$6C
00000AA4: 6520 ADC $20
00000AA6: 6E6F74 ROR $746F
00000AA9: 206F6E JSR $6E6F
00000AAC: 206E65 JSR $656E
00000AAF: 74 .DB $74
00000AB0: 77 .DB $77
00000AB1: 6F .DB $6F
00000AB2: 72 .DB $72
00000AB3: 6B .DB $6B
00000AB4: 2E0020 ROL $2000
00000AB7: 5175 EOR ($75),Y
00000AB9: 6575 ADC $75
00000ABB: 6520 ADC $20
00000ABD: 6669 ROR $69

```

```

maxx_demo_ROM_532.dsm
00000ABF: 6C6520 JMP ($2065)
00000AC2: 3A      .DB $3A
00000AC3: 2000AF JSR $AF00
00000AC6: 32      .DB $32
00000AC7: 77      .DB $77
00000AC8: 24C3    BIT $C3
00000ACA: E122    SBC ($22,X)
00000ACC: 3E0132 ROL $3201,X
00000ACF: 77      .DB $77
00000AD0: 24C3    BIT $C3
00000AD2: E122    SBC ($22,X)
00000AD4: 3E0232 ROL $3202,X
00000AD7: 77      .DB $77
00000AD8: 24C3    BIT $C3
00000ADA: E122    SBC ($22,X)
00000ADC: 3E0332 ROL $3203,X
00000ADF: 77      .DB $77
00000AE0: 243A    BIT $3A
00000AE2: A3      .DB $A3
00000AE3: 2F      .DB $2F
00000AE4: E608    INC $08
00000AE6: C2      .DB $C2
00000AE7: 9D233A STA $3A23,X
00000AEA: 9E      .DB $9E
00000AEB: 1EB7C2 ASL $C2B7,X
00000AEE: 9D233A STA $3A23,X
00000AF1: 77      .DB $77
00000AF2: 24FE    BIT $FE
00000AF4: 02      .DB $02
00000AF5: C2      .DB $C2
00000AF6: 12      .DB $12
00000AF7: 23      .DB $23
00000AF8: 3A      .DB $3A
00000AF9: 9D30E6 STA $E630,X
00000AFC: 02      .DB $02
00000AFD: C2      .DB $C2
00000AFE: 9D2321 STA $2123,X
00000B01: A530    LDA $30
00000B03: 7EE640 ROR $40E6,X
00000B06: CA      DEX
00000B07: 12      .DB $12
00000B08: 23      .DB $23
00000B09: 21EC    AND ($EC,X)
00000B0B: 307E    BMI $7E
00000B0D: E6E0    INC $E0
00000B0F: CA      DEX
00000B10: 9D2321 STA $2123,X
00000B13: 2F      .DB $2F
00000B14: 3011    BMI $11
00000B16: 78      SEI
00000B17: 2406    BIT $06
00000B19: 14      .DB $14
00000B1A: CD521B CMP $1B52
00000B1D: 3A      .DB $3A
00000B1E: A42F    LDY $2F
00000B20: F601    INC $01,X
00000B22: 32      .DB $32
00000B23: A42F    LDY $2F
00000B25: 3A      .DB $3A
00000B26: 77      .DB $77
00000B27: 24FE    BIT $FE
00000B29: 00      BRK
00000B2A: CA      DEX

```

```

maxx_demo_ROM_532.dsm
00000B2B: 4123 EOR ($23,X)
00000B2D: FE01CA INC $CA01,X
00000B30: 5523 EOR $23,X
00000B32: FE02CA INC $CA02,X
00000B35: 4B .DB $4B
00000B36: 23 .DB $23
00000B37: 210C AND ($0C,X)
00000B39: 24E5 BIT $E5
00000B3B: 2112 AND ($12,X)
00000B3D: 1C .DB $1C
00000B3E: C3 .DB $C3
00000B3F: 5C .DB $5C
00000B40: 23 .DB $23
00000B41: 2115 AND ($15,X)
00000B43: 24E5 BIT $E5
00000B45: 21D6 AND ($D6,X)
00000B47: 1B .DB $1B
00000B48: C3 .DB $C3
00000B49: 5C .DB $5C
00000B4A: 23 .DB $23
00000B4B: 2102 AND ($02,X)
00000B4D: 24E5 BIT $E5
00000B4F: 2112 AND ($12,X)
00000B51: 1C .DB $1C
00000B52: C3 .DB $C3
00000B53: 5C .DB $5C
00000B54: 23 .DB $23
00000B55: 211F AND ($1F,X)
00000B57: 24E5 BIT $E5
00000B59: 21D6 AND ($D6,X)
00000B5B: 1B .DB $1B
00000B5C: CD841C CMP $1C84
00000B5F: E3 .DB $E3
00000B60: CD48EF CMP $EF48
00000B63: E1CD SBC ($CD,X)
00000B65: 48 PHA
00000B66: EF .DB $EF
00000B67: 2605 ROL $05
00000B69: 2E3CCD ROL $CD3C
00000B6C: 1F .DB $1F
00000B6D: EE2127 INC $2721
00000B70: 24CD BIT $CD
00000B72: 48 PHA
00000B73: EF .DB $EF
00000B74: CD59EE CMP $EE59
00000B77: AF .DB $AF
00000B78: CD1DE9 CMP $E91D
00000B7B: CD72EE CMP $EE72
00000B7E: CD9F23 CMP $239F
00000B81: FE59CA INC $CA59,X
00000B84: 9D23FE STA $FE23,X
00000B87: 4ECA98 LSR $98CA
00000B8A: 23 .DB $23
00000B8B: FE18CA INC $CA18,X
00000B8E: 98 TYA
00000B8F: 23 .DB $23
00000B90: FE7FCA INC $CA7F,X
00000B93: 98 TYA
00000B94: 23 .DB $23
00000B95: C3 .DB $C3
00000B96: 74 .DB $74
00000B97: 23 .DB $23
00000B98: 2165 AND ($65,X)

```

```

00000B9A: 2437 BIT $37
00000B9C: C9AF CMP #$AF
00000B9E: C9CD CMP #$CD
00000BA0: 87 .DB $87
00000BA1: 1B .DB $1B
00000BA2: 2133 AND ($33,X)
00000BA4: 24FE BIT $FE
00000BA6: 4ECAB0 LSR $B0CA
00000BA9: 23 .DB $23
00000BAA: 212F AND ($2F,X)
00000BAC: 24FE BIT $FE
00000BAE: 59C0F5 EOR $F5C0,Y
00000BB1: CD48EF CMP $EF48
00000BB4: F1C9 SBC ($C9),Y
00000BB6: 3A .DB $3A
00000BB7: A52F LDA $2F
00000BB9: 3D32A5 AND $A532,X
00000BBC: 2F .DB $2F
00000BBD: C03A CPY #$3A
00000BBF: A42F LDY $2F
00000BC1: E601 INC $01
00000BC3: C2 .DB $C2
00000BC4: E8 INX
00000BC5: 23 .DB $23
00000BC6: E526 SBC $26
00000BC8: 17 .DB $17
00000BC9: 2E00CD ROL $CD00
00000BCC: 1F .DB $1F
00000BCD: EE2136 INC $3621
00000BD0: 24CD BIT $CD
00000BD2: 48 PHA
00000BD3: EF .DB $EF
00000BD4: CD59EE CMP $EE59
00000BD7: E1CD SBC ($CD,X)
00000BD9: 38 SEC
00000BDA: E9FE SBC #$FE
00000BDC: 0DCAE8 ORA $E8CA
00000BDF: 23 .DB $23
00000BE0: FE7FCA INC $CA7F,X
00000BE3: F523 SBC $23,X
00000BE5: C3 .DB $C3
00000BE6: D8 CLD
00000BE7: 23 .DB $23
00000BE8: E5CD SBC $CD
00000BEA: 72 .DB $72
00000BEB: EEC8A INC $8ACD
00000BEE: 1C .DB $1C
00000BEF: CD452D CMP $2D45
00000BF2: E1AF SBC ($AF,X)
00000BF4: C9CD CMP #$CD
00000BF6: 72 .DB $72
00000BF7: EEC8A INC $8ACD
00000BFA: 1C .DB $1C
00000BFB: 3EFF32 ROL $32FF,X
00000BFE: 012F ORA ($2F,X)
00000C00: 37 .DB $37
00000C01: C920 CMP #$20
00000C03: 52 .DB $52
00000C04: 6570 ADC $70
00000C06: 6C6163 JMP ($6361)
00000C09: 6520 ADC $20
00000C0B: 00 BRK
00000C0C: 204372 JSR $7243

```

```

00000C0F: 6561 ADC $61
00000C11: 74 .DB $74
00000C12: 6520 ADC $20
00000C14: 00 BRK
00000C15: 205363 JSR $6353
00000C18: 72 .DB $72
00000C19: 6174 ADC ($74,X)
00000C1B: 63 .DB $63
00000C1C: 68 PLA
00000C1D: 200020 JSR $2000
00000C20: 456D EOR $6D
00000C22: 7074 BVS $74
00000C24: 792000 ADC $0020,Y
00000C27: 5B .DB $5B
00000C28: 592F4E EOR $4E2F,Y
00000C2B: 5D3F20 EOR $203F,X
00000C2E: 00 BRK
00000C2F: 594553 EOR $5345,Y
00000C32: 00 BRK
00000C33: 4E4F00 LSR $004F
00000C36: 0E5072 ASL $7250
00000C39: 6573 ADC $73
00000C3B: 73 .DB $73
00000C3C: 203C52 JSR $523C
00000C3F: 4554 EOR $54
00000C41: 5552 EOR $52,X
00000C43: 4E3E20 LSR $203E
00000C46: 74 .DB $74
00000C47: 6F .DB $6F
00000C48: 20636F JSR $6F63
00000C4B: 6E7469 ROR $6974
00000C4E: 6E7565 ROR $6575
00000C51: 206F72 JSR $726F
00000C54: 203C43 JSR $433C
00000C57: 414E EOR ($4E,X)
00000C59: 3E2074 ROL $7420,X
00000C5C: 6F .DB $6F
00000C5D: 206162 JSR $6261
00000C60: 6F .DB $6F
00000C61: 72 .DB $72
00000C62: 74 .DB $74
00000C63: 2E0046 ROL $4600
00000C66: 756E ADC $6E,X
00000C68: 63 .DB $63
00000C69: 74 .DB $74
00000C6A: 696F ADC #$6F
00000C6C: 6E2073 ROR $7320
00000C6F: 6B .DB $6B
00000C70: 6970 ADC #$70
00000C72: 7065 BVS $65
00000C74: 64 .DB $64
00000C75: 2E0000 ROL $0000
00000C78: 861F STX $1F
00000C7A: C9C9 CMP #$C9
00000C7C: 2A ROL A
00000C7D: 23 .DB $23
00000C7E: 14 .DB $14
00000C7F: 22 .DB $22
00000C80: 63 .DB $63
00000C81: 14 .DB $14
00000C82: 2A ROL A
00000C83: 63 .DB $63
00000C84: 14 .DB $14

```

```

00000C85: EB      .DB $EB
00000C86: 2A      ROL A
00000C87: 2114    AND ($14,X)
00000C89: CD5A6E  CMP $6E5A
00000C8C: 00      BRK
00000C8D: 14      .DB $14
00000C8E: 118F    ORA ($8F),Y
00000C90: 26CD    ROL $CD
00000C92: 7E1DD8  ROR $D81D,X
00000C95: CA      DEX
00000C96: AD2411  LDA $1124
00000C99: A126    LDA ($26,X)
00000C9B: CD0827  CMP $2708
00000C9E: D8      CLD
00000C9F: CA      DEX
00000CA0: AD24CD  LDA $CD24
00000CA3: 4669    LSR $69
00000CA5: D8      CLD
00000CA6: CDB224  CMP $24B2
00000CA9: D8      CLD
00000CAA: CD7226  CMP $2672
00000CAD: AF      .DB $AF
00000CAE: 32      .DB $32
00000CAF: A62F    LDX $2F
00000CB1: C92A    CMP #$2A
00000CB3: 63      .DB $63
00000CB4: 30EB    BMI $EB
00000CB6: 2A      ROL A
00000CB7: B3      .DB $B3
00000CB8: 307C    BMI $7C
00000CBA: BA      TSX
00000CBB: C2      .DB $C2
00000CBC: 6E253E  ROR $3E25
00000CBF: 7F      .DB $7F
00000CC0: A56F    LDA $6F
00000CC2: 3E7FA3  ROL $A37F,X
00000CC5: 5F      .DB $5F
00000CC6: 7DBBC2  ADC $C2BB,X
00000CC9: 6E2563  ROR $6325
00000CCC: 6A      ROR A
00000CCD: 7DB4CA  ADC $CAB4,X
00000CD0: 7B      .DB $7B
00000CD1: 252B    AND $2B
00000CD3: 22      .DB $22
00000CD4: 88      DEY
00000CD5: 26AF    ROL $AF
00000CD7: 32      .DB $32
00000CD8: 8A      TXA
00000CD9: 2621    ROL $21
00000CDB: D2      .DB $D2
00000CDC: 3022    BMI $22
00000CDE: 8B      .DB $8B
00000CDF: 2621    ROL $21
00000CE1: D2      .DB $D2
00000CE2: 3D228D  AND $8D22,X
00000CE5: 2621    ROL $21
00000CE7: 00      BRK
00000CE8: 1122    ORA ($22),Y
00000CEA: 4D3022  EOR $2230
00000CED: 9D303A  STA $3A30,X
00000CF0: 62      .DB $62
00000CF1: 3057    BMI $57
00000CF3: 3E04A2  ROL $A204,X

```

```

00000CF6: C2 .DB $C2
00000CF7: 19253E ORA $3E25,Y
00000CFA: 18 CLC
00000CFB: A2C2 LDX #$C2
00000CFD: 32 .DB $32
00000CFE: 25CD AND $CD
00000D00: 38 SEC
00000D01: 26CA ROL $CA
00000D03: 7B .DB $7B
00000D04: 25CD AND $CD
00000D06: 7D25D8 ADC $D825,X
00000D09: 0E501A ASL $1A50
00000D0C: BEC26E LDX $6EC2,Y
00000D0F: 2523 AND $23
00000D11: 13 .DB $13
00000D12: 0DC20B ORA $0BC2
00000D15: 25C3 AND $C3
00000D17: FF .DB $FF
00000D18: 24CD BIT $CD
00000D1A: 38 SEC
00000D1B: 26CA ROL $CA
00000D1D: 7B .DB $7B
00000D1E: 25CD AND $CD
00000D20: 7D25D8 ADC $D825,X
00000D23: 1A .DB $1A
00000D24: BEC26E LDX $6EC2,Y
00000D27: 25FE AND $FE
00000D29: FC .DB $FC
00000D2A: CA DEX
00000D2B: 192523 ORA $2325,Y
00000D2E: 13 .DB $13
00000D2F: C2 .DB $C2
00000D30: 23 .DB $23
00000D31: 25CD AND $CD
00000D33: 38 SEC
00000D34: 26CA ROL $CA
00000D36: 7B .DB $7B
00000D37: 25CD AND $CD
00000D39: 7D25D8 ADC $D825,X
00000D3C: 0E0023 ASL $2300
00000D3F: 23 .DB $23
00000D40: 23 .DB $23
00000D41: 7EB7CA ROR $CAB7,X
00000D44: 52 .DB $52
00000D45: 25FE AND $FE
00000D47: 06CA ASL $CA
00000D49: 59252B EOR $2B25,Y
00000D4C: 2B .DB $2B
00000D4D: 4E2BC3 LSR $C32B
00000D50: 5C .DB $5C
00000D51: 252B AND $2B
00000D53: 4E2B2B LSR $2B2B
00000D56: C3 .DB $C3
00000D57: 5C .DB $5C
00000D58: 252B AND $2B
00000D5A: 2B .DB $2B
00000D5B: 2B .DB $2B
00000D5C: 0C .DB $0C
00000D5D: 0C .DB $0C
00000D5E: 0C .DB $0C
00000D5F: 0C .DB $0C
00000D60: 1A .DB $1A
00000D61: BEC26E LDX $6EC2,Y

```

```

00000D64: 250D AND $0D
00000D66: CA DEX
00000D67: 32 .DB $32
00000D68: 2513 AND $13
00000D6A: 23 .DB $23
00000D6B: C3 .DB $C3
00000D6C: 60 RTS
00000D6D: 25CD AND $CD
00000D6F: 72 .DB $72
00000D70: 2621 ROL $21
00000D72: B3 .DB $B3
00000D73: 263E ROL $3E
00000D75: 0132 ORA ($32,X)
00000D77: A62F LDX $2F
00000D79: 37 .DB $37
00000D7A: C9AF CMP #$AF
00000D7C: C93A CMP #$3A
00000D7E: 8A TXA
00000D7F: 26B7 ROL $B7
00000D81: CA DEX
00000D82: A7 .DB $A7
00000D83: 253A AND $3A
00000D85: 8A TXA
00000D86: 263D ROL $3D
00000D88: 32 .DB $32
00000D89: 8A TXA
00000D8A: 262A ROL $2A
00000D8C: 8B .DB $8B
00000D8D: 2611 ROL $11
00000D8F: 80 .DB $80
00000D90: 00 BRK
00000D91: 19228B ORA $8B22,Y
00000D94: 262A ROL $2A
00000D96: 8D2611 STA $1126
00000D99: 80 .DB $80
00000D9A: 00 BRK
00000D9B: 19228D ORA $8D22,Y
00000D9E: 262A ROL $2A
00000DA0: 8D26EB STA $EB26
00000DA3: 2A ROL A
00000DA4: 8B .DB $8B
00000DA5: 26C9 ROL $C9
00000DA7: CDAE25 CMP $25AE
00000DAA: D8 CLD
00000DAB: C3 .DB $C3
00000DAC: 8425 STY $25
00000DAE: CD6626 CMP $2666
00000DB1: 21D2 AND ($D2,X)
00000DB3: 3022 BMI $22
00000DB5: 8B .DB $8B
00000DB6: 2621 ROL $21
00000DB8: D2 .DB $D2
00000DB9: 3D228D AND $8D22,X
00000DBC: 263E ROL $3E
00000DBE: 1A .DB $1A
00000DBF: 47 .DB $47
00000DC0: 32 .DB $32
00000DC1: 8A TXA
00000DC2: 260E ROL $0E
00000DC4: 00 BRK
00000DC5: 2152 AND ($52,X)
00000DC7: 3122 AND ($22),Y
00000DC9: 4F .DB $4F

```



```

00000DCA: 30F5 BMI $F5
00000DCC: C5D5 CMP $D5
00000DCE: E5CD SBC $CD
00000DD0: 27 .DB $27
00000DD1: 26E1 ROL $E1
00000DD3: D1C1 CMP ($C1),Y
00000DD5: F121 SBC ($21),Y
00000DD7: 4D30CD EOR $CD30
00000DDA: FF .DB $FF
00000ddb: D1DA CMP ($DA),Y
00000DDD: 1B .DB $1B
00000DDE: 260C ROL $0C
00000DE0: 05CA ORA $CA
00000DE2: F125 SBC ($25),Y
00000DE4: 2A ROL A
00000DE5: 4F .DB $4F
00000DE6: 3011 BMI $11
00000DE8: 80 .DB $80
00000DE9: 00 BRK
00000DEA: 19224F ORA $4F22,Y
00000DED: 30C3 BMI $C3
00000DEF: CB .DB $CB
00000DF0: 2541 AND $41
00000DF2: 2152 AND ($52,X)
00000DF4: 3E229F ROL $9F22,X
00000DF7: 30F5 BMI $F5
00000DF9: C5D5 CMP $D5
00000DFB: E5CD SBC $CD
00000DFD: 27 .DB $27
00000DFE: 26E1 ROL $E1
00000E00: D1C1 CMP ($C1),Y
00000E02: F121 SBC ($21),Y
00000E04: 9D30CD STA $CD30,X
00000E07: FF .DB $FF
00000E08: D1D8 CMP ($D8),Y
00000E0A: 05CA ORA $CA
00000E0C: 22 .DB $22
00000E0D: 262A ROL $2A
00000E0F: 9F .DB $9F
00000E10: 3011 BMI $11
00000E12: 80 .DB $80
00000E13: 00 BRK
00000E14: 19229F ORA $9F22,Y
00000E17: 30C3 BMI $C3
00000E19: F8 SED
00000E1A: 25FE AND $FE
00000E1C: 02 .DB $02
00000E1D: CA DEX
00000E1E: F125 SBC ($25),Y
00000E20: 37 .DB $37
00000E21: C9CD CMP #$CD
00000E23: 6C26AF JMP ($AF26)
00000E26: C978 CMP #$78
00000E28: E603 INC $03
00000E2A: C2 .DB $C2
00000E2B: 3126 AND ($26),Y
00000E2D: CD5726 CMP $2657
00000E30: C9FE CMP #$FE
00000E32: 02 .DB $02
00000E33: C0CD CPY #$CD
00000E35: 57 .DB $57
00000E36: 26C9 ROL $C9
00000E38: 2A ROL A

```

```

00000E39: 88      DEY
00000E3A: 267C    ROL $7C
00000E3C: B5C8    LDA $C8,X
00000E3E: 2B      .DB $2B
00000E3F: 22      .DB $22
00000E40: 88      DEY
00000E41: 26B7    ROL $B7
00000E43: C9CD    CMP #$CD
00000E45: 54      .DB $54
00000E46: 264E    ROL $4E
00000E48: 6F      .DB $6F
00000E49: 206669  JSR $6966
00000E4C: 6C656E  JMP ($6E65)
00000E4F: 616D    ADC ($6D,X)
00000E51: 652E    ADC $2E
00000E53: 00      BRK
00000E54: E137    SBC ($37,X)
00000E56: C93A    CMP #$3A
00000E58: A42F    LDY $2F
00000E5A: E602    INC $02
00000E5C: C03A    CPY #$3A
00000E5E: 92      .DB $92
00000E5F: F9EE0A  SBC $0AEE,Y
00000E62: 32      .DB $32
00000E63: 92      .DB $92
00000E64: F9C921  SBC $21C9,Y
00000E67: BF      .DB $BF
00000E68: 26C3    ROL $C3
00000E6A: 7526    ADC $26,X
00000E6C: 21BF    AND ($BF,X)
00000E6E: 26C3    ROL $C3
00000E70: 7526    ADC $26,X
00000E72: 21D3    AND ($D3,X)
00000E74: 263A    ROL $3A
00000E76: A42F    LDY $2F
00000E78: E602    INC $02
00000E7A: C0E5    CPY #$E5
00000E7C: 2605    ROL $05
00000E7E: 2E00CD  ROL $CD00
00000E81: 1F      .DB $1F
00000E82: EEE1CD  INC $CDE1
00000E85: 48      PHA
00000E86: EF      .DB $EF
00000E87: C900    CMP #$00
00000E89: 00      BRK
00000E8A: 00      BRK
00000E8B: 00      BRK
00000E8C: 00      BRK
00000E8D: 00      BRK
00000E8E: 00      BRK
00000E8F: 205665  JSR $6556
00000E92: 72      .DB $72
00000E93: 6966    ADC #$66
00000E95: 792066  ADC $6620,Y
00000E98: 696C    ADC #$6C
00000E9A: 6520    ADC $20
00000E9C: 20203A  JSR $3A20
00000E9F: 200020  JSR $2000
00000EA2: 206167  JSR $6761
00000EA5: 6169    ADC ($69,X)
00000EA7: 6E7374  ROR $7473
00000EAA: 206669  JSR $6966
00000EAD: 6C6520  JMP ($2065)

```

maxx_demo_ROM_532.dsm

```

00000EB0: 3A .DB $3A
00000EB1: 200042 JSR $4200
00000EB4: 6164 ADC ($64,X)
00000EB6: 207665 JSR $6576
00000EB9: 72 .DB $72
00000EBA: 6966 ADC #$66
00000EBC: 792E00 ADC $002E,Y
00000EBF: 20202A JSR $2A20
00000EC2: 205665 JSR $6556
00000EC5: 72 .DB $72
00000EC6: 6966 ADC #$66
00000EC8: 79696E ADC $6E69,Y
00000ECB: 67 .DB $67
00000ECC: 206461 JSR $6164
00000ECF: 74 .DB $74
00000ED0: 612E ADC ($2E,X)
00000ED2: 00 BRK
00000ED3: 202020 JSR $2020
00000ED6: 202020 JSR $2020
00000ED9: 202020 JSR $2020
00000EDC: 202020 JSR $2020
00000EDF: 202020 JSR $2020
00000EE2: 202020 JSR $2020
00000EE5: 200011 JSR $1100
00000EE8: 34 .DB $34
00000EE9: 28 PLP
00000EEA: CD7E1D CMP $1D7E
00000EED: D8 CLD
00000EEE: CA DEX
00000EEF: 03 .DB $03
00000EF0: 27 .DB $27
00000EF1: 1146 ORA ($46),Y
00000EF3: 28 PLP
00000EF4: CD0827 CMP $2708
00000EF7: D8 CLD
00000EF8: CA DEX
00000EF9: 03 .DB $03
00000EFA: 27 .DB $27
00000EFB: CD4669 CMP $6946
00000EFE: D8 CLD
00000EFF: CD3C27 CMP $273C
00000F02: D8 CLD
00000F03: AF .DB $AF
00000F04: 32 .DB $32
00000F05: A62F LDX $2F
00000F07: C9D5 CMP #$D5
00000F09: 21FD AND ($FD,X)
00000F0B: 2F .DB $2F
00000F0C: CD151B CMP $1B15
00000F0F: D12A CMP ($2A),Y
00000F11: A7 .DB $A7
00000F12: 2F .DB $2F
00000F13: CDDE18 CMP $18DE
00000F16: D8 CLD
00000F17: 3A .DB $3A
00000F18: 36F5 ROL $F5,X
00000F1A: B7 .DB $B7
00000F1B: CA DEX
00000F1C: BF .DB $BF
00000F1D: 0C .DB $0C
00000F1E: E602 INC $02
00000F20: CA DEX
00000F21: BF .DB $BF

```

```

00000F22: 0C      .DB $0C
00000F23: CD721E  CMP $1E72
00000F26: 3E1132  ROL $3211,X
00000F29: 9E      .DB $9E
00000F2A: 3021    BMI $21
00000F2C: D2      .DB $D2
00000F2D: 3122    AND ($22),Y
00000F2F: 9F      .DB $9F
00000F30: 3021    BMI $21
00000F32: 9D30CD  STA $CD30,X
00000F35: FF      .DB $FF
00000F36: D1D8    CMP ($D8),Y
00000F38: 3E01B7  ROL $B701,X
00000F3B: C921    CMP #$21
00000F3D: 4D3036  EOR $3630
00000F40: 20219D  JSR $9D21
00000F43: 3036    BMI $36
00000F45: 202157  JSR $5721
00000F48: 3011    BMI $11
00000F4A: 80      .DB $80
00000F4B: 28      PLP
00000F4C: 060A    ASL $0A
00000F4E: CD1F1B  CMP $1B1F
00000F51: 217F    AND ($7F,X)
00000F53: 3011    BMI $11
00000F55: 8A      TXA
00000F56: 28      PLP
00000F57: 0614    ASL $14
00000F59: CD1F1B  CMP $1B1F
00000F5C: 2155    AND ($55,X)
00000F5E: 3011    BMI $11
00000F60: A530    LDA $30
00000F62: 1A      .DB $1A
00000F63: BEC2C0  LDX $C0C2,Y
00000F66: 27      .DB $27
00000F67: 2158    AND ($58,X)
00000F69: 28      PLP
00000F6A: 1157    ORA ($57),Y
00000F6C: 3006    BMI $06
00000F6E: 0A      ASL A
00000F6F: CD1F1B  CMP $1B1F
00000F72: 2158    AND ($58,X)
00000F74: 28      PLP
00000F75: 117F    ORA ($7F),Y
00000F77: 3006    BMI $06
00000F79: 14      .DB $14
00000F7A: CD1F1B  CMP $1B1F
00000F7D: 214D    AND ($4D,X)
00000F7F: 30CD    BMI $CD
00000F81: FF      .DB $FF
00000F82: D1D8    CMP ($D8),Y
00000F84: 21A7    AND ($A7,X)
00000F86: 3011    BMI $11
00000F88: 57      .DB $57
00000F89: 3006    BMI $06
00000F8B: 0A      ASL A
00000F8C: CD1F1B  CMP $1B1F
00000F8F: 21CF    AND ($CF,X)
00000F91: 3011    BMI $11
00000F93: 7F      .DB $7F
00000F94: 3006    BMI $06
00000F96: 14      .DB $14
00000F97: CD1F1B  CMP $1B1F

```

maxx_demo_ROM_532.dsm

```

00000F9A: 2180 AND ($80,X)
00000F9C: 28 PLP
00000F9D: 11A7 ORA ($A7),Y
00000F9F: 3006 BMI $06
00000FA1: 0A ASL A
00000FA2: CD1F1B CMP $1B1F
00000FA5: 218A AND ($8A,X)
00000FA7: 28 PLP
00000FA8: 11CF ORA ($CF),Y
00000FAA: 3006 BMI $06
00000FAC: 14 .DB $14
00000FAD: CD1F1B CMP $1B1F
00000FB0: 219D AND ($9D,X)
00000FB2: 30CD BMI $CD
00000FB4: FF .DB $FF
00000FB5: D1D8 CMP ($D8),Y
00000FB7: 214D AND ($4D,X)
00000FB9: 30CD BMI $CD
00000FBB: FF .DB $FF
00000FBC: D1D8 CMP ($D8),Y
00000FBE: AF .DB $AF
00000FBF: C921 CMP #$21
00000FC1: 04 .DB $04
00000FC2: 0122 ORA ($22,X)
00000FC4: FD2F21 SBC $212F,X
00000FC7: 52 .DB $52
00000FC8: 3122 AND ($22),Y
00000FCA: FF .DB $FF
00000FCB: 2F .DB $2F
00000FCC: 2180 AND ($80,X)
00000FCE: 00 BRK
00000FCF: 22 .DB $22
00000FD0: 0130 ORA ($30,X)
00000FD2: 1155 ORA ($55),Y
00000FD4: 3021 BMI $21
00000FD6: 0530 ORA $30
00000FD8: 1A .DB $1A
00000FD9: 77 .DB $77
00000FDA: 21A7 AND ($A7,X)
00000FDC: 3011 BMI $11
00000FDE: 07 .DB $07
00000FDF: 3006 BMI $06
00000FE1: 0A ASL A
00000FE2: CD1F1B CMP $1B1F
00000FE5: 21CF AND ($CF,X)
00000FE7: 3011 BMI $11
00000FE9: 2F .DB $2F
00000FEA: 3006 BMI $06
00000FEC: 14 .DB $14
00000FED: CD1F1B CMP $1B1F
00000FF0: 21FD AND ($FD,X)
00000FF2: 2F .DB $2F
00000FF3: CDFFD1 CMP $D1FF
00000FF6: D2 .DB $D2
00000FF7: 2D28FE AND $FE28
00000FFA: 04 .DB $04
00000FFB: C2 .DB $C2
00000FFC: 32 .DB $32
00000FFD: 28 .DB $28
00000FFE: 11 .DB $11
00000FFF: A5 .DB $A5

```