

(0000)	0001	\$00	EQU	0
(0001)	0002	\$01	EQU	1
(0002)	0003	\$02	EQU	2
(0003)	0004	\$03	EQU	3
(0004)	0005	\$04	EQU	4
(0005)	0006	\$05	EQU	5
(0006)	0007	\$06	EQU	6
(0007)	0008	\$07	EQU	7
(0008)	0009	\$08	EQU	8
(0009)	0010	\$09	EQU	9
(000A)	0011	\$0A	EQU	0AH
(000B)	0012	\$0B	EQU	0BH
(000C)	0013	\$0C	EQU	0CH
(000D)	0014	\$0D	EQU	0DH
(000E)	0015	\$0E	EQU	0EH
(000F)	0016	\$0F	EQU	0FH
(0010)	0017	\$10	EQU	10H
(0011)	0018	\$11	EQU	11H
(0012)	0019	\$12	EQU	12H
(0013)	0020	\$13	EQU	13H
(0014)	0021	\$14	EQU	14H
(0015)	0022	\$15	EQU	15H
(0016)	0023	\$16	EQU	16H
(0017)	0024	\$17	EQU	17H
(0018)	0025	\$18	EQU	18H
(0019)	0026	\$19	EQU	19H
(001B)	0027	\$1B	EQU	1BH
(001D)	0028	\$1D	EQU	1DH
(001E)	0029	\$1E	EQU	1EH
(001F)	0030	\$1F	EQU	1FH
(0020)	0031	\$20	EQU	20H
(0022)	0032	\$22	EQU	22H
(0023)	0033	\$23	EQU	23H
(0024)	0034	\$24	EQU	24H
(0025)	0035	\$25	EQU	25H
(0027)	0036	\$27	EQU	27H
(0028)	0037	\$28	EQU	28H
(0029)	0038	\$29	EQU	29H
(002B)	0039	\$2B	EQU	2BH
(002C)	0040	\$2C	EQU	2CH
(002E)	0041	\$2E	EQU	2EH
(0030)	0042	\$30	EQU	30H
(0031)	0043	\$31	EQU	31H
(0032)	0044	\$32	EQU	32H
(0033)	0045	\$33	EQU	33H
(0034)	0046	\$34	EQU	34H
(0035)	0047	\$35	EQU	35H
(0036)	0048	\$36	EQU	36H
(0037)	0049	\$37	EQU	37H
(0038)	0050	\$38	EQU	38H
(0039)	0051	\$39	EQU	39H
(003A)	0052	\$3A	EQU	3AH
(003B)	0053	\$3B	EQU	3BH
(003D)	0054	\$3D	EQU	3DH
(003F)	0055	\$3F	EQU	3FH
(0040)	0056	\$40	EQU	40H
(0041)	0057	\$41	EQU	41H

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(0044)	0058	\$44	EQU	44H
(0045)	0059	\$45	EQU	45H
(0047)	0060	\$47	EQU	47H
(0048)	0061	\$48	EQU	48H
(004A)	0062	\$4A	EQU	4AH
(004B)	0063	\$4B	EQU	4BH
(004C)	0064	\$4C	EQU	4CH
(004D)	0065	\$4D	EQU	4DH
(0050)	0066	\$50	EQU	50H
(0051)	0067	\$51	EQU	51H
(0052)	0068	\$52	EQU	52H
(0053)	0069	\$53	EQU	53H
(0056)	0070	\$56	EQU	56H
(0057)	0071	\$57	EQU	57H
(0058)	0072	\$58	EQU	58H
(0059)	0073	\$59	EQU	59H
(005D)	0074	\$5D	EQU	5DH
(005F)	0075	\$5F	EQU	5FH
(0060)	0076	\$60	EQU	60H
(0061)	0077	\$61	EQU	61H
(0062)	0078	\$62	EQU	62H
(0064)	0079	\$64	EQU	64H
(0068)	0080	\$68	EQU	68H
(0069)	0081	\$69	EQU	69H
(006A)	0082	\$6A	EQU	6AH
(006E)	0083	\$6E	EQU	6EH
(0071)	0084	\$71	EQU	71H
(0075)	0085	\$75	EQU	75H
(0076)	0086	\$76	EQU	76H
(0078)	0087	\$78	EQU	78H
(007A)	0088	\$7A	EQU	7AH
(007D)	0089	\$7D	EQU	7DH
(0080)	0090	\$80	EQU	80H
(0081)	0091	\$81	EQU	81H
(0082)	0092	\$82	EQU	82H
(0083)	0093	\$83	EQU	83H
(0088)	0094	\$88	EQU	88H
(008C)	0095	\$8C	EQU	8CH
(0092)	0096	\$92	EQU	92H
(0094)	0097	\$94	EQU	94H
(0096)	0098	\$96	EQU	96H
(0098)	0099	\$98	EQU	98H
(009C)	0100	\$9C	EQU	9CH
(009E)	0101	\$9E	EQU	9EH
(00A8)	0102	\$A8	EQU	0A8H
(00AA)	0103	\$AA	EQU	0AAH
(00AF)	0104	\$AF	EQU	0AFH
(00B0)	0105	\$B0	EQU	0B0H
(00B8)	0106	\$B8	EQU	0B8H
(00BA)	0107	\$BA	EQU	0BAH
(00C0)	0108	\$C0	EQU	0C0H
(00C1)	0109	\$C1	EQU	0C1H
(00C8)	0110	\$C8	EQU	0C8H
(00CD)	0111	\$CD	EQU	0CDH
(00CF)	0112	\$CF	EQU	0CFH
(00DF)	0113	\$DF	EQU	0DFH
(00EA)	0114	\$EA	EQU	0EAH



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(00EC)      0115 %EC      EQU      0ECH
(00F0)      0116 %F0      EQU      0F0H
(00F1)      0117 %F1      EQU      0F1H
(00F3)      0118 %F3      EQU      0F3H
(00F6)      0119 %F6      EQU      0F6H
(00F7)      0120 %F7      EQU      0F7H
(00FC)      0121 %FC      EQU      0FCH
(00FE)      0122 %FE      EQU      0FEH
(00FF)      0123 %FF      EQU      0FFH
0124 ;

0125 *INCLUDE      B:HVGLIB.Z80
0126      LIST      NOCOND
0127 ;*****
0128 ;* HOME VIDEO GAME EQUATES *      10/13/79
0129 ;*****
0130 ;
0131 ; ASSEMBLY CONTROL
0132 ;
(0001)      0133 XPNDON EQU      1      ; ** Set to 1 when hardware exp
(0000)      0134 NWHDMR EQU      0      ; ** Set to 1 when new hardware
0135 ;      Set to 0 when old hardware
0136 ;
0137 ; GENERAL GOODIES
(4000)      0138 NORMEM EQU      4000H
(2000)      0139 FIRSTC EQU      2000H      ; First address in cassette
(0000)      0140 SCREEN EQU      0
(0028)      0141 BYTEPL EQU      40      ; Bytes per line
(00A0)      0142 BITSPL EQU      160     ; Bits per line
0143 ;
0144 ; STUFF IN SYSTEM DOPE VECTOR
(0200)      0145 STIMER EQU      200H      ; Seconds and game time,music
(0203)      0146 CTIMER EQU      203H      ; Custom timers
(0206)      0147 FNTSYS EQU      206H      ; System font descriptor
(020D)      0148 FNTSML EQU      20DH      ; Small font descriptor
(0214)      0149 ALKEYS EQU      214H      ; Keymask of all keys
(0218)      0150 MENUST EQU      218H      ; Head of onboard menu
(021E)      0151 MXSCR EQU      21EH      ; Address of 'MAX SCORE'
(0228)      0152 NOPLAY EQU      228H      ; Address of '# OF PLAYERS'
(0235)      0153 NOGAME EQU      235H      ; Address of '# OF GAMES'
0154 ;
0155 ; BITS IN PROCESSOR FLAG BYTE
(0007)      0156 PSWSGN EQU      7      ; Sign bit
(0006)      0157 PSWZRO EQU      6      ; Zero bit
(0002)      0158 PSNPV EQU      2      ; Parity      Overflow
(0000)      0159 PSWCY EQU      0      ; Carry
0160 ;
0161 ; BITS IN GAME STATUS BYTE (GAMSTB)
(0000)      0162 GSBTIM EQU      0      ; 1 = Game Timer enabled
(0001)      0163 GSBSCR EQU      1      ; 1 = Score checker enabled
(0007)      0164 GSBEND EQU      7      ; 1 = Game over (Score or Time)
0165 ;
0166 ; STANDARD VECTOR DISPLACEMENTS AND BITS
(0000)      0167 VBMR EQU      0      ; Magic register
(0001)      0168 VBSTAT EQU      1      ; Status
(0002)      0169 VBTIMB EQU      2      ; Time base
(0003)      0170 VBDXL EQU      3      ; Delta X lo

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(0004) 0171 VBDXH EQU 4 ; Delta X hi
(0005) 0172 VBXL EQU 5 ; X coord lo
(0006) 0173 VBXH EQU 6 ; X coord hi
(0007) 0174 VBXCHK EQU 7 ; X check flags
(0008) 0175 VBDYL EQU 8 ; Delta Y lo
(0009) 0176 VBDYH EQU 9 ; Delta Y hi
(000A) 0177 VBYL EQU 10 ; Y coord lo
(000B) 0178 VBYPH EQU 11 ; Y coord hi
(000C) 0179 VBYPCHK EQU 12 ; Y check flags
(000D) 0180 VBOAL EQU 13 ; Old address L.0.
(000E) 0181 VBOAH EQU 14 ; Old address H.0.
0182 ;
0183 ; DISPLACEMENTS FROM START OF COORDINATE AREA
(0000) 0184 VBDCL EQU 0 ; L0 delta
(0001) 0185 VBDCH EQU 1 ; HI delta
(0002) 0186 VBCL EQU 2 ; L0 coord
(0003) 0187 VBCH EQU 3 ; HI coord
(0004) 0188 VBCCHK EQU 4 ; Check bits
0189 ;
0190 ; BITS IN VECTOR STATUS BYTE (VBSTAT)
(0007) 0191 VBSACT EQU 7 ; Vector active status
(0006) 0192 VBBLNK EQU 6 ; Blank status
0193 ;
0194 ; BITS IN VECTOR CHECK BIT MASK (VBCCHK)
(0000) 0195 VBCLMT EQU 0 ; Do limit checking
(0001) 0196 VBCREV EQU 1 ; Reverse delta on limit attain
(0003) 0197 VBCLAT EQU 3 ; Coordinate is at limit
0198 ;
0199 ; FONT TABLE DISPLACEMENTS FOR NEW CHARACTER DISPLAY ROUTINE
(0000) 0200 FTBASE EQU 0 ; Base character
(0001) 0201 FTFSX EQU 1 ; X frame size
(0002) 0202 FTFSY EQU 2 ; Y frame size
(0003) 0203 FTBYTE EQU 3 ; X size of char in bytes
(0004) 0204 FTYSIZ EQU 4 ; Y size in bits
(0005) 0205 FTPTL EQU 5 ; Pattern table address L0
(0006) 0206 FTPTH EQU 6 ; Pattern table address HI
0207 ;
0208 ; BITS FOR MAGIC REGISTER WRITE OPTION BYTE
(0006) 0209 MRFL0P EQU 6 ; Write with flop
(0005) 0210 MRXOR EQU 5 ; write with exclusive or
(0004) 0211 MROR EQU 4 ; write with or
(0003) 0212 MRXPND EQU 3 ; Write with expand
(0002) 0213 MRROT EQU 2 ; Write with rotate
(0003) 0214 MRSHT EQU 3 ; Mask of shift amount
0215 ;
0216 ; BITS OF CONTROL HANDLE INPUT PORT
(0004) 0217 CHTRIG EQU 4 ; Trigger
(0003) 0218 CHRIGH EQU 3 ; Joystick right
(0002) 0219 CHLEFT EQU 2 ; Joystick left
(0001) 0220 CHDOWN EQU 1 ; Down
(0000) 0221 CHUP EQU 0 ; Up
0222 ;
0223 ; CONTEXT BLOCK REGISTER DISPLACEMENTS
(0000) 0224 CBIYL EQU 0 ; IY
(0001) 0225 CBIYH EQU 1
(0002) 0226 CBIXL EQU 2 ; IX
(0003) 0227 CBIXH EQU 3

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(0004)    0228 CBE     EQU     4           ; DE
(0005)    0229 CBD     EQU     5
(0006)    0230 CBC     EQU     6           ; BC
(0007)    0231 CBB     EQU     7
(0008)    0232 CBFLAG EQU     8           ; AF
(0009)    0233 CBA     EQU     9
(000A)    0234 CBL     EQU    10          ; HL
(000B)    0235 CBH     EQU    11
          0236 ;
          0237 ; SENTRY RETURN CODE EQUATES
(0000)    0238 SNUL    EQU     0           ; Nothing happened
(0001)    0239 SCT0    EQU     1           ; Counter-timer 1 thru 8
(0002)    0240 SCT1    EQU     2
(0003)    0241 SCT2    EQU     3
(0004)    0242 SCT3    EQU     4
(0005)    0243 SCT4    EQU     5
(0006)    0244 SCT5    EQU     6
(0007)    0245 SCT6    EQU     7
(0008)    0246 SCT7    EQU     8
(0009)    0247 SF0     EQU     9           ; Flag bit 0 (SEMI45)
(000A)    0248 SF1     EQU    10
(000B)    0249 SF2     EQU    11
(000C)    0250 SF3     EQU    12
(000D)    0251 SF4     EQU    13
(000E)    0252 SF5     EQU    14
(000F)    0253 SF6     EQU    15
(0010)    0254 SF7     EQU    16
(0011)    0255 SSEC    EQU    17           ; Seconds timer has counted dow
(0012)    0256 SKYU    EQU    18           ; Key is up
(0013)    0257 SKYD    EQU    19           ; Key is down
(0014)    0258 ST0     EQU    20           ; Trigger 0
(0015)    0259 SJ0     EQU    21           ; Joystick 0
(0016)    0260 ST1     EQU    22           ; Similarly for 1-3
(0017)    0261 SJ1     EQU    23
(0018)    0262 ST2     EQU    24
(0019)    0263 SJ2     EQU    25
(001A)    0264 ST3     EQU    26
(001B)    0265 SJ3     EQU    27
(001C)    0266 SP0     EQU    28           ; Pot 0
(001D)    0267 SP1     EQU    29           ; Pot 1
(001E)    0268 SP2     EQU    30           ; Pot 2
(001F)    0269 SP3     EQU    31           ; Pot 3

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0271 ;*****
0272 ;* HOME VIDEO GAME PORT EQUATES *
0273 ;*****
0274 ;
0275 ; OUTPUT PORTS FOR VIRTUAL COLOR
(0000) 0276 COL0R EQU 0 ; Color 0 right
(0001) 0277 COL1R EQU 1 ; Color 1 right
(0002) 0278 COL2R EQU 2 ; Color 2 right
(0003) 0279 COL3R EQU 3 ; Color 3 right
(0004) 0280 COL0L EQU 4 ; Color 0 left
(0005) 0281 COL1L EQU 5 ; Color 1 left
(0006) 0282 COL2L EQU 6 ; Color 2 left
(0007) 0283 COL3L EQU 7 ; Color 3 left
(000B) 0284 COLBX EQU 11 ; Color block output port
(0009) 0285 HORCB EQU 9 ; Horizontal color boundary
(000A) 0286 VERBL EQU 10 ; Vertical blanking line
0287 ;
0288 ; OUTPUT PORTS FOR MUSIC AND SOUNDS
(0010) 0289 TONMO EQU 16 ; Tone master oscillator
(0011) 0290 TONEA EQU 17 ; Tone A osc.
(0012) 0291 TONEB EQU 18 ; Tone B osc.
(0013) 0292 TONEC EQU 19 ; Tone C osc.
(0014) 0293 VIBRA EQU 20 ; Vibrato
(0015) 0294 VOLC EQU 21 ; Tone C volume
(0016) 0295 VOLAB EQU 22 ; Tones A,B volume
(0017) 0296 VOLN EQU 23 ; Noise volume
(0018) 0297 SNDBX EQU 24 ; Sound block output port
0298 ;
0299 ; INTERRUPT AND CONTROL OUTPUT PORTS
(000D) 0300 INFBK EQU 13 ; Interrupt feedback
(000E) 0301 INMOD EQU 14 ; Interrupt mode
(000F) 0302 INLIN EQU 15 ; Interrupt line
(0008) 0303 CONCM EQU 8 ; Consumer Commercial
(000C) 0304 MAGIC EQU 12 ; Magic register
(0019) 0305 XPAND EQU 25 ; Expander pixel definition por
0306 ;
0307 ; INTERRUPT AND INTERCEPT INPUT PORTS
(0008) 0308 INTST EQU 8 ; Intercept status
(000E) 0309 VERAFF EQU 14 ; Vertical address feedback
(000F) 0310 HORAFF EQU 15 ; Horizontal address feedback
0311 ;
0312 ; HAND CONTROLS INPUT PORTS
(0010) 0313 SW0 EQU 16 ; Player 0 hand control
(0011) 0314 SW1 EQU 17 ; Player 1 hand control
(0012) 0315 SW2 EQU 18 ; Player 2 hand control
(0013) 0316 SW3 EQU 19 ; Player 3 hand control
(001C) 0317 POT0 EQU 28 ; Player 0 pot
(001D) 0318 POT1 EQU 29 ; Player 1 pot
(001E) 0319 POT2 EQU 30 ; Player 2 pot
(001F) 0320 POT3 EQU 31 ; Player 3 pot
0321 ;
0322 ; KEYBOARD INPUT PORTS
(0014) 0323 KEY0 EQU 20 ; Keyboard column 0
(0015) 0324 KEY1 EQU 21 ; Keyboard column 1
(0016) 0325 KEY2 EQU 22 ; Keyboard column 2
(0017) 0326 KEY3 EQU 23 ; Keyboard column 3

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0328 ;*****
0329 ;* HOME VIDEO GAME SYSTEM CALL INDEXES *
0330 ;*****
0331 ;
0332 ; USER PROGRAM INTERFACE
(0000) 0333 UPISTR EQU 0
(0000) 0334 INTPC EQU UPISTR ; Interpret with context create
(0002) 0335 XINTC EQU INTPC+2 ; Exit interpreter with context
(0004) 0336 RCALL EQU XINTC+2 ; call asmlanguage subroutine
(0006) 0337 MCALL EQU RCALL+2 ; Call interpreter subroutine
(0008) 0338 MRET EQU MCALL+2 ; Return from interpreter subro
(000A) 0339 MJUMP EQU MRET+2 ; Macro jump
(000C) 0340 SUCK EQU MJUMP+2 ; Suck inline args into CB
0341 ;
0342 ; SCHEDULER ROUTINES
(000C) 0343 SCHEDR EQU SUCK
(000E) 0344 ACTINT EQU SCHEDR+2 ; Set sub timer
(0010) 0345 DECCTS EQU ACTINT+2 ; DEC CT's under mask
0346 ;
0347 ; MUSIC AND SOUNDS
(0012) 0348 MUZAK EQU DECCTS+2
(0012) 0349 BMUSIC EQU MUZAK ; Begin playing music
(0014) 0350 EMUSIC EQU BMUSIC+2 ; Stop playing music
0351 ;
0352 ; SCREEN HANDLER ROUTINES
(0016) 0353 SCRSTR EQU EMUSIC+2
(0016) 0354 SETOUT EQU SCRSTR ; Set screen size
(0018) 0355 COLSET EQU SETOUT+2 ; Set colors
(001A) 0356 FILL EQU COLSET+2 ; Fill memory with constant dat
(001C) 0357 RECTAN EQU FILL+2 ; Paint rectangle
(001E) 0358 VWRITR EQU RECTAN+2 ; Write relative from vector
(0020) 0359 WRITR EQU VWRITR+2 ; Write relative
(0022) 0360 WRITP EQU WRITR+2 ; Write with pattern size looku
(0024) 0361 WRIT EQU WRITP+2 ; Write with sizes provided
(0026) 0362 WRITA EQU WRIT+2 ; Write absolute
(0028) 0363 VBLANK EQU WRITA+2 ; Blank area from vector
(002A) 0364 BLANK EQU VBLANK+2 ; Blank area
(002C) 0365 SAVE EQU BLANK+2 ; Save area
(002E) 0366 RESTOR EQU SAVE+2 ; Restore area
(0030) 0367 SCROLL EQU RESTOR+2 ; Scroll area of screen
0368 ;
(0032) 0369 CHRDIS EQU SCROLL+2 ; New display character
(0034) 0370 STRDIS EQU CHRDIS+2 ; New display string
(0036) 0371 DISNUM EQU STRDIS+2 ; Display number
0372 ;
(0038) 0373 RELABS EQU DISNUM+2 ; Relative to absolute conversi
(003A) 0374 RELAB1 EQU RELABS+2 ; Nonmagic relabs
(003C) 0375 VECTC EQU RELAB1+2 ; Vector single coordinate
(003E) 0376 VECT EQU VECTC+2 ; Vector coordinate pair
0377 ;
0378 ; HUMAN INTERFACE ROUTINES
(0040) 0379 HUMANR EQU VECT+2
(0040) 0380 KCTASC EQU HUMANR ; Key code to ASCII
(0042) 0381 SENTRY EQU KCTASC+2 ; Sense transition
(0044) 0382 DOIT EQU SENTRY+2 ; Branch to transition handler
(0046) 0383 DOITB EQU DOIT+2 ; Use B instead of A
(0048) 0384 PIZBRK EQU DOITB+2 ; Take a break

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(004A)      0385 MENU      EQU      PIZBRK+2      ; Display a menu
(004C)      0386 GETPAR   EQU      MENU+2        ; Get game parameter from user
(004E)      0387 GETNUM   EQU      GETPAR+2      ; Get number from user
(0050)      0388 PAWS     EQU      GETNUM+2      ; Pause
(0052)      0389 DISTIM   EQU      PAWS+2       ; Display time
(0054)      0390 INCSCR   EQU      DISTIM+2     ; Inc score
            0391 ;
            0392 ; MATH ROUTINES
(0056)      0393 MATH     EQU      INCSCR+2
(0056)      0394 INDEXN   EQU      MATH          ; Index nibble
(0058)      0395 STOREN   EQU      INDEXN+2
(005A)      0396 INDEXW   EQU      STOREN+2     ; Index word
(005C)      0397 INDEXB   EQU      INDEXW+2     ; Index byte
(005E)      0398 MOVE     EQU      INDEXB+2     ; Block transfer
(0060)      0399 SHIFU    EQU      MOVE+2       ; Shift up a digit
(0062)      0400 BCDADD   EQU      SHIFU+2      ; BCD add
(0064)      0401 BCDSUB   EQU      BCDADD+2     ; BCD subtract
(0066)      0402 BCDMUL   EQU      BCDSUB+2     ; BCD multiply
(0068)      0403 BCDDIV   EQU      BCDMUL+2     ; BCD divide
(006A)      0404 BCDCHS   EQU      BCDDIV+2    ; BCD change sign
(006C)      0405 BCDNEG   EQU      BCDCHS+2    ; BCD negate
(006E)      0406 DADD     EQU      BCDNEG+2     ; decimal add
(0070)      0407 DSMG     EQU      DADD+2       ; Convert to sign magnitude
(0072)      0408 DABS     EQU      DSMG+2       ; Decimal absolute value
(0074)      0409 NEG      EQU      DABS+2       ; Negate
(0076)      0410 RANGED   EQU      NEG+2        ; ranged random number
(0078)      0411 QUIT     EQU      RANGED+2     ; Quit cassette execution
(007A)      0412 SETB     EQU      QUIT+2       ; Set byte
(007C)      0413 SETW     EQU      SETB+2       ; Set word
(007E)      0414 MSKTD    EQU      SETW+2      ; Mask to deltas
            0415 ;
            0416 ;*****
            0417 ;* MACROS *
            0418 ;*****
            0419 ;
            0420 ; MACROS TO COMPUTE CONSTANT SCREEN ADDRESSES
            0421 XYRELL   MACRO   #R,#X,#Y      ; Relative load
            0422         LD      #R,#Y SHL 8+(#X)
            0423         MEND
            0424 ;
            0425 ; MACRO TO GENERATE SYSTEM CALL
            0426 SYSTEM   MACRO   #NUMBA
            0427         RST      38H
            0428         DB      #NUMBA
            0429         IF      #NUMBA EQ INTPC
            0430 INTP#    DL      1
            0431         ENDIF
            0432         MEND
            0433 ;
            0434 ; MACRO TO GENERATE SYSTEM CALL WITH SUCK OPTION ON
            0435 SYSSUK   MACRO   #UMBA
            0436         RST      38H
            0437         DB      #UMBA+1
            0438         IF      #UMBA EQ INTPC
            0439 INTP#    DL      1
            0440         ENDIF
            0441         MEND

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0442 ;
0443 ; MACROS TO GENERATE MACRO INSTRUCTION CALLS
0444 ; FILL SCREEN WITH CONSTANT DATA
0445 FILL?  MACRO  #START,#NBYTES,#DATA
0446         DB    FILL+1
0447         DW    #START
0448         DW    #NBYTES
0449         DB    #DATA
0450         MEND
0451 ;
0452 ; EXIT INTERPRETER WITH CONTEXT RESTORE
0453 EXIT    MACRO
0454         DB    XINTC
0455 INTP$   DL    0
0456         MEND
0457 ;
0458 ; INTERPRET WITH INLINE SUCK
0459 DO      MACRO  #CID
0460         DB    #CID+1
0461         MEND
0462 ;
0463 ; INTERPRET WITHOUT INLINE SUCK
0464 DONT    MACRO  #CID
0465         DB    #CID
0466         MEND
0467 ;
0468 ; MACRO CALL FROM DOIT TABLE
(00C0) 0469 END    EQU    0C0H
0470 MC     MACRO  #A,#B,#E
0471         DB    #A+80H
0472         DW    #B
0473         IF    #E+0
0474         DB    #E
0475         ENDIF
0476         MEND
0477 ;
0478 ; REAL CALL FROM DOIT TABLE
0479 RC     MACRO  #A,#B,#E
0480         DB    #A+40H
0481         DW    #B
0482         IF    #E+0
0483         DB    #E
0484         ENDIF
0485         MEND
0486 ;
0487 ; REAL JUMP FROM DOIT TABLE
0488 JMP    MACRO  #A,#B,#E
0489         DB    #A
0490         DW    #B
0491         IF    #E+0
0492         DB    #E
0493         ENDIF
0494         MEND
0495 ;
0496 ; DISPLAY A STRING
0497 TEXT   MACRO  #A,#B,#C,#D
0498         DB    STRDIS+1
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0499      DB      #B
0500      DB      #C
0501      DB      #D
0502      DW      #A
0503      MEND
0504 ;
0505 ;
0506 ;*****
0507 ; MUSIC MACROS*
0508 ;*****
0509 ;
0510 ; NOTE DURATION, FREQ(S)
0511 ;
0512 NOTE1  MACRO   #DUR,#N1
0513      DB      #DUR AND 7FH,#N1
0514      MEND
0515 ;
0516 NOTE2  MACRO   #DUR,#N1,#N2
0517      DB      #DUR AND 7FH,#N1,#N2
0518      MEND
0519 ;
0520 NOTE3  MACRO   #DUR,#N1,#N2,#N3
0521      DB      #DUR AND 7FH,#N1,#N2,#N3
0522      MEND
0523 ;
0524 NOTE4  MACRO   #DUR,#N1,#N2,#N3,#N4
0525      DB      #DUR AND 7FH,#N1,#N2,#N3,#N4
0526      MEND
0527 ;
0528 NOTE5  MACRO   #DUR,#N1,#N2,#N3,#N4,#N5
0529      DB      #DUR AND 7FH,#N1,#N2,#N3,#N4,#N5
0530      MEND
0531 ;
0532 MASTER MACRO   #OFFSET
0533      DB      80H,#OFFSET
0534      MEND
0535 ;
0536 ; STUFF OUTPUT PORT#,DATA OR
0537 ; OUTPUT SNDBX,DATA10,D11,...DATA17
0538 OUTPUT MACRO   #PORT,#D0,#D1,#D2,#D3,#D4,#D5,#D6,#D7
0539      IF NOT (#PORT=18H)
0540      DB      80H+(#PORT AND 0FH),#D0
0541      ENDIF
0542      IF #PORT=18H
0543      DB      88H
0544      DB      #D7,#D6,#D5,#D4,#D3,#D2,#D1,#D0
0545      ENDIF
0546      MEND
0547 ;
0548 ; SET VOICE BYTE
0549 ; THE FORMAT OF THE VOICE BYTE IS
0550 ; *I*A*I*B*I*C*V*N*
0551 ; WHERE N=LOAD NOISE WITH DATA AT PC AND INC PC
0552 ; V=LOAD VIBRATO AND INC PC
0553 ; I=INC PC
0554 ; A,B,C=LOAD TONE A,B,C WITH DATA AT PC
0555 ;

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0556 VOICES MACRO #MASK
0557 DB 90H,#MASK
0558 MEND
0559 ;
0560 ; PUSH NUMBER ONTO STACK
0561 PUSHN MACRO #NUMB
0562 DB 0A0H+((#NUMB-1) AND 0FH)
0563 MEND
0564 ;
0565 ; SET VOLUMES
0566 VOLUME MACRO #BA,#MC
0567 DB 0B0H,#BA,#MC
0568 MEND
0569 ;
0570 ; CALL RELATIVE 0-15 BEYOND SELF+1
0571 CREL MACRO #BY
0572 DB 0D0H+((#BY-1) AND 0FH)
0573 MEND
0574 ;
0575 ; DEC STACK TOP AND JNZ
0576 DSUNZ MACRO #ADD
0577 DB 0C0H
0578 DW #ADD
0579 MEND
0580 ;
0581 ; FLIP LEGATO STACATO
0582 LEGSTA MACRO
0583 DB 0E0H
0584 MEND
0585 ;
0586 REST MACRO #TIME
0587 DB 0E1H,#TIME
0588 MEND
0589 ;
0590 QUIET MACRO
0591 DB 0F0H
0592 MEND
0593 ;
0594 ;*****
0595 ;* MUSIC EQUATES *
0596 ;*****
0597 ;
(00FD) 0598 G0 EQU 253
(00EE) 0599 G50 EQU 238
(00E1) 0600 A0 EQU 225
(00D4) 0601 A50 EQU 212
(00C8) 0602 B0 EQU 200
(00BD) 0603 C1 EQU 189
(00B2) 0604 C51 EQU 178
(00A8) 0605 D1 EQU 168
(009F) 0606 D51 EQU 159
(0096) 0607 E1 EQU 150
(008D) 0608 F1 EQU 141
(0085) 0609 F51 EQU 133
(007E) 0610 G1 EQU 126
(0077) 0611 G51 EQU 119
(0070) 0612 A1 EQU 112

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(006A)	0613	A51	EQU	106
(0064)	0614	B1	EQU	100
(005E)	0615	C2	EQU	94
(0059)	0616	C52	EQU	89
(0054)	0617	D2	EQU	84
(004F)	0618	D52	EQU	79
(004A)	0619	E2	EQU	74
(0046)	0620	F2	EQU	70
(0042)	0621	F52	EQU	66
(003E)	0622	G2	EQU	62
(003B)	0623	G52	EQU	59
(0037)	0624	A2	EQU	55
(0034)	0625	A52	EQU	52
(0031)	0626	B2	EQU	49
(002E)	0627	C3	EQU	46
(002C)	0628	C53	EQU	44
(0029)	0629	D3	EQU	41
(0027)	0630	D53	EQU	39
(0025)	0631	E3	EQU	37
(0022)	0632	F3	EQU	34
(0020)	0633	F53	EQU	32
(001F)	0634	G3	EQU	31
(001D)	0635	G53	EQU	29
(001B)	0636	A3	EQU	27
(001A)	0637	A53	EQU	26
(0018)	0638	B3	EQU	24
(0017)	0639	C4	EQU	23
(0015)	0640	C54	EQU	21
(0014)	0641	D4	EQU	20
(0013)	0642	D54	EQU	19
(0012)	0643	E4	EQU	18
(0011)	0644	F4	EQU	17
(0010)	0645	F54	EQU	16
(000F)	0646	G4	EQU	15
(000E)	0647	G54	EQU	14
(000D)	0648	A4	EQU	13
(000B)	0649	C5	EQU	11
(000A)	0650	C55	EQU	10
(0009)	0651	D55	EQU	9
(0008)	0652	F5	EQU	8
(0007)	0653	G5	EQU	7
(0006)	0654	A5	EQU	6
(0005)	0655	C6	EQU	5
(0004)	0656	D56	EQU	4
(0003)	0657	G6	EQU	3
(0002)	0658	C7	EQU	2
(0001)	0659	G7	EQU	1
(0000)	0660	G8	EQU	0
	0661	;		
	0662	;	MASTER OSCILLATOR OFFSETS	
(00FE)	0663	0B0	EQU	254
(00F1)	0664	0C0	EQU	241
(00D6)	0665	0D1	EQU	214
(00BF)	0666	0E1	EQU	191
(00B4)	0667	0F1	EQU	180
(00A0)	0668	0G1	EQU	160
(008F)	0669	0A1	EQU	143

(0047)	0670 0A2	EQU	71
(0023)	0671 0A3	EQU	35
(0011)	0672 0A4	EQU	17
(0008)	0673 0A5	EQU	8



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0675 ;*****
0676 ;* SYSTEM RAM MEMORY CELLS *
0677 ;*****
0678 ;
(0FFF) 0679 WASTE EQU 0FFFH
(0FFF) 0680 WASTER EQU WASTE
0681 ;
0682 ; THE FOLLOWING ORG SHOULD BE SET TO THE VALUE OF THE TAG
0683 ; 'SYSRAM'. THIS WILL CAUSE SYSTEM RAM TO RESIDE AT THE
0684 ; HIGHEST POSSIBLE ADDRESS
0685 ;
0000 0686 ORG 4FC8H
4FC8 (0006) 0688 DS 6 ; GOT SOME LEFT STILL
(4FCE) 0689 BEGRAM EQU $
0690 ;
0691 ; USED BY MUSIC PROCESSOR
4FCE (0002) 0692 MUZPC DS 2 ; Music program counter
4FD0 (0002) 0693 MUZSP DS 2 ; Music stack pointer
4FD2 (0001) 0694 PVOLAB DS 1 ; Preset volume for tones A,B
4FD3 (0001) 0695 PVOLMC DS 1 ; Preset volume for master osc
4FD4 (0001) 0696 VOICES DS 1 ; Music voices
0697 ;
0698 ; COUNTER TIMERS (USED BY DECCTS, ACTINT, CTIMER)
4FD5 (0001) 0699 CT0 DS 1 ; Counter timer 0
4FD6 (0001) 0700 CT1 DS 1 ; 1
4FD7 (0001) 0701 CT2 DS 1 ; 2
4FD8 (0001) 0702 CT3 DS 1 ; 3
4FD9 (0001) 0703 CT4 DS 1 ; 4
4FDA (0001) 0704 CT5 DS 1 ; 5
4FDB (0001) 0705 CT6 DS 1 ; 6
4FDC (0001) 0706 CT7 DS 1 ; 7
0707 ;
0708 ; USED BY SENTRY TO TRACK CONTROLS
4FDD (0001) 0709 CNT DS 1 ; Counter update&number tracking
4FDE (0001) 0710 SEMI45 DS 1 ; Flag bits
4FDF (0001) 0711 OP0T0 DS 1 ; Pot 0 tracking
4FE0 (0001) 0712 OP0T1 DS 1 ; Pot 1 tracking
4FE1 (0001) 0713 OP0T2 DS 1 ; Pot 2 tracking
4FE2 (0001) 0714 OP0T3 DS 1 ; Pot 3 tracking
4FE3 (0001) 0715 KEYSEX DS 1 ; Keyboard tracking byte
4FE4 (0001) 0716 OSM0 DS 1 ; Switch 0 tracking
4FE5 (0001) 0717 OSM1 DS 1 ; Switch 1 tracking
4FE6 (0001) 0718 OSM2 DS 1 ; Switch 2 tracking
4FE7 (0001) 0719 OSM3 DS 1 ; Switch 3 tracking
4FE8 (0002) 0720 COLLST DS 2 ; Color list address for P.B. A
0721 ;
0722 ; USED BY STIMER
4FEA (0001) 0723 DURAT DS 1 ; Note duration
4FEB (0001) 0724 TMR60 DS 1 ; Sixtieths of a second
4FEC (0001) 0725 TIMEOUT DS 1 ; Blackout timer
4FED (0001) 0726 GTSECS DS 1 ; Game time seconds
4FEE (0001) 0727 GTMINS DS 1 ; Game time minutes
0728 ;
0729 ; USED BY MENU
4FEF (0004) 0730 RANSHI DS 4 ; Random number shift register
4FF3 (0001) 0731 NUMPLY DS 1 ; Number of players
    
```

4FF4	(0003)	0732	ENDSCR	DS	3	; Score to 'PLAY T0'
4FF7	(0001)	0733	MRLOCK	DS	1	; Magic register lock out flag
4FF8	(0001)	0734	GAMSTB	DS	1	; Game status byte
4FF9	(0001)	0735	PRIOR	DS	1	; Music protect flag
4FFA	(0001)	0736	SENFLG	DS	1	; Sentry control seizure flag
4FFB	(0002)	0737	UMARGT	DS	2	
4FFD	(0002)	0738	USERTB	DS	2	
	(4FCE)	0739	SYSRAM	EQU		(5000H-(\$-BEGRAM+1))

(\*\*\*\*\* end of include \*\*\*\*\*)

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0741 ;
4FFF      0742      ORG      2000H
          0743 ;
2000  55      0744      DB      'U'
          0745 ;
2001  1802    0746      DW      MENUST
2003  B63D    0747      DW      L3DB6
2005  1920    0748      DW      L2019
          0749 ;
          0750 L2007:
2007  0920    0751      DW      L2009
          0752 ;
          0753 ; LINE INTERRUPT ROUTINE
          0754 ;
          0755 L2009:
2009  08      Z 0756      EX      AF,AF'
200A  D9      Z 0757      EXX
200B  3A5E44  0758      LD      A,(L445E)
200E  3C      0759      INC     A
200F  325E44  0760      LD      (L445E),A
2012  CD9330  0761      CALL   L3093
2015  08      Z 0762      EX      AF,AF'
2016  D9      Z 0763      EXX
2017  FB      0764      EI
2018  C9      0765      RET
          0766 ;
          0767 ; PAC-MAN GAME STARTING POINT
          0768 ;
          0769 L2019:
2019  F3      0770      DI
          0771 ;
201A      0772      SYSSUK GETPAR      ; Get Game Parameters
201A  FF      0773+     RST      38H
201B  4D      0774+     DB      GETPAR+1
201C  A93D    0778      DW      L3DA9      ; "Enter # of Players
201E  01      0779      DB      $01        ; 1 digit
201F  614F    0780      DW      NUMPLR    ; # Players storage
          0781 ;
2021  F3      0782      DI
2022  3A614F  0783      LD      A,(NUMPLR)
2025  FE01    0784      CP      $01          ;1
2027  38F0    Z 0785      JR      C,L2019
2029  FE05    0786      CP      $05          ;5
202B  30EC    Z 0787      JR      NC,L2019
202D  32614F  0788      LD      (NUMPLR),A
2030  3EC0    0789      LD      A,96*2
2032  D30A    0790      OUT    (VERBL),A
2034  3E60    0791      LD      A,96
2036  D30F    0792      OUT    (INLIN),A
2038  3E23    0793      LD      A,35
203A  D309    0794      OUT    (HORCB),A
203C  3E08    0795      LD      A,00001000B
203E  D30E    0796      OUT    (INMOD),A
2040  3E07    0797      LD      A,L2007 AND 0FFH
2042  D30D    0798      OUT    (INFBK),A
2044  3E20    0799      LD      A,L2007 SHR 8

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2046 ED47      Z 0800      LD      1,A
2048 ED5E      Z 0801      IM      2
                0802 ;
204A          0803      SYSSUK COLSET      ; Set Game Colors
204A FF        0804+    RST     38H
204B 19        0805+    DB      COLSET+1
204C E53B      0809      DW      L3BE5
                0810 ;
204E CDF32C    0811      CALL    L2CF3
2051 219730    0812      LD      HL,L3097
2054 227645    0813      LD      (L4576),HL
2057 3E06      0814      LD      A,$06      ; 6
2059 324E45    0815      LD      (L454E),A
205C FB        0816      EI
205D 216346    0817      LD      HL,L4663
2060 22CE42    0818      LD      (L42CE),HL
2063 212340    0819      LD      HL,L4023
2066 22A642    0820      LD      (L42A6),HL
                0821 L2069:
2069 CD022D    0822      CALL    L2D02
206C 2ACE42    0823      LD      HL,(L42CE)
206F 119001    0824      LD      DE,0190H
2072 19        0825      ADD     HL,DE
2073 22CE42    0826      LD      (L42CE),HL
2076 FD2AA642  Z 0827      LD      IY,(L42A6)
207A FD360403  Z 0828      LD      (IY+$04),$03 ; 3
207E 115000    0829      LD      DE,50H
2081 FD19      Z 0830      ADD     IY,DE
2083 FD22A642  Z 0831      LD      (L42A6),IY
2087 21F742    0832      LD      HL,L42F7
208A 34        0833      INC     (HL)
208B 3A614F    0834      LD      A,(NUMPLR)
208E BE        0835      CP      (HL)
208F 20D8      Z 0836      JR      NZ,L2069
2091 212340    0837      LD      HL,L4023
2094 22A642    0838      LD      (L42A6),HL
2097 AF        0839      XOR     A
2098 32F742    0840      LD      (L42F7),A
209B 216346    0841      LD      HL,L4663
209E 22CE42    0842      LD      (L42CE),HL
                0843 L20A1:
20A1 CDDE2C    0844      CALL    L2CDE
                0845 ;
20A4          0846      SYSSUK STRDIS     ; Display String
20A4 FF        0847+    RST     38H
20A5 35        0848+    DB      STRDIS+1
20A6 3B        0852      DB      56      ; X coordinate
20A7 1B        0853      DB      27      ; Y coordinate
20A8 0C        0854      DB      $0C     ; Options
20A9 C83D      0855      DW      L3DC8   ; "PLAYER"
                0856 ;
20AB 3AF742    0857      LD      A,(L42F7)
20AE 3C        0858      INC     A
20AF 321E43    0859      LD      (L431E),A
                0860 ;
20B2          0861      SYSSUK DISNUM     ; Display Number
20B2 FF        0862+    RST     38H

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20B3	37	0863+	DB	DISNUM+1	
20B4	48	0867	DB	72	; X coordinate
20B5	28	0868	DB	40	; Y coordinate
20B6	4C	0869	DB	\$4C	; Options
20B7	01	0870	DB	\$01	; Extended options
20B8	1E43	0871	DW	L431E	
		0872 ;			
20BA	0664	0873	LD	B,\$64	;64H
20BC	3E01	0874	LD	A,\$01	;1
20BE	32B741	0875	LD	(L41B7),A	
		0876 L20C1:			
20C1	CD152B	0877	CALL	L2B15	
20C4	10FB	Z 0878	DJNZ	L20C1	
20C6	CDDE2C	0879	CALL	L2CDE	
20C9	CD192A	0880	CALL	L2A19	
20CC	2AA642	0881	LD	HL,(L42A6)	
20CF	E5	0882	PUSH	HL	
20D0	3AF742	0883	LD	A,(L42F7)	
20D3	F5	0884	PUSH	AF	
20D4	FD212340	Z 0885	LD	IY,L4023	
20D8	AF	0886	XOR	A	
20D9	32F742	0887	LD	(L42F7),A	
20DC	3A614F	0888	LD	A,(NUMPLR)	
		0889 L20DF:			
20DF	F5	0890	PUSH	AF	
20E0	FD22A642	Z 0891	LD	(L42A6),IY	
20E4	3E02	0892	LD	A,\$02	;2
20E6	327F42	0893	LD	(L427F),A	
20E9	CD6F2B	0894	CALL	L2B6F	
20EC	FD2AA642	Z 0895	LD	IY,(L42A6)	
20F0	F1	0896	POP	AF	
20F1	115000	0897	LD	DE,50H	
20F4	FD19	Z 0898	ADD	IY,DE	
20F6	21F742	0899	LD	HL,L42F7	
20F9	34	0900	INC	(HL)	
20FA	3D	0901	DEC	A	
20FB	20E2	Z 0902	JR	NZ,L20DF	
20FD	F1	0903	POP	AF	
20FE	32F742	0904	LD	(L42F7),A	
2101	E1	0905	POP	HL	
2102	22A642	0906	LD	(L42A6),HL	
		0907 L2105:			
2105	CD2F2D	0908	CALL	L2D2F	
2108	CDFA2C	0909	CALL	L2CFA	
210B	DD2AA642	Z 0910	LD	IX,(L42A6)	
210F	DD7E03	Z 0911	LD	A,(IX+\$03)	
2112	3C	0912	INC	A	
2113	47	0913	LD	B,A	
2114	FE05	0914	CP	\$05	;5
2116	3E03	0915	LD	A,\$03	;3
2118	3002	Z 0916	JR	NC,L211C	
211A	3E04	0917	LD	A,\$04	;4
		0918 L211C:			
211C	32B741	0919	LD	(L41B7),A	
211F	FD212D3B	Z 0920	LD	IY,L3B2D	
2123	110800	0921	LD	DE,8	
		0922 L2126:			

2126	FD19	Z 0923	ADD	IY,DE	
2128	10FC	Z 0924	DJNZ	L2126	
212A	FD229643	Z 0925	LD	(L4396),IY	
212E	3E01	0926	LD	A,\$01	:1
2130	327E42	0927	LD	(L427E),A	
2133	215D38	0928	LD	HL,L385D	
2136	22BE43	0929	LD	(L43BE),HL	
2139	FD6E06	Z 0930	LD	L,(IY+\$06)	
213C	FD6607	Z 0931	LD	H,(IY+\$07)	
213F	22FE44	0932	LD	(L44FE),HL	
2142	3E03	0933	LD	A,\$03	:3
2144	326F43	0934	LD	(L436F),A	
2147	DD2AA642	Z 0935	LD	IX,(L42A6)	
214B	DD7E28	Z 0936	LD	A,(IX+\$28)	
214E	FEEA	0937	CP	\$EA	:0EAH
2150	2014	Z 0938	JR	NZ,L2166	
2152	DD7E03	Z 0939	LD	A,(IX+\$03)	
2155	FE04	0940	CP	\$04	:4
2157	3802	Z 0941	JR	C,L215B	
2159	3E04	0942	LD	A,\$04	:4
		0943	L215B:		
215B	47	0944	LD	B,A	
215C	87	0945	ADD	A	
215D	80	0946	ADD	B	
215E	21073B	0947	LD	HL,L3B07	
2161	CD322C	0948	CALL	L2C32	
2164	1803	Z 0949	JR	L2169	
		0950	L2166:		
2166	21163B	0951	LD	HL,L3B16	
		0952	L2169:		
2169	7E	0953	LD	A,(HL)	
216A	320E44	0954	LD	(L440E),A	
216D	23	0955	INC	HL	
216E	22E643	0956	LD	(L43E6),HL	
2171	CDC12B	0957	CALL	L2BC1	
2174	DD21004F	Z 0958	LD	IX,L4F00	
2178	FD7E02	Z 0959	LD	A,(IY+\$02)	
217B	ED44	Z 0960	NEG		
217D	DD7709	Z 0961	LD	(IX+\$09),A	
2180	DD360AFF	Z 0962	LD	(IX+\$0A),\$FF	:0FFH
2184	DD360050	Z 0963	LD	(IX),\$50	: 'P'
2188	DD360141	Z 0964	LD	(IX+\$01),\$41	: 'A'
218C	21B341	0965	LD	HL,L41B3	
218F	DD7502	Z 0966	LD	(IX+\$02),L	
2192	DD7403	Z 0967	LD	(IX+\$03),H	
2195	3E04	0968	LD	A,\$04	:4
2197	32AF44	0969	LD	(L44AF),A	
219A	DD210D4F	Z 0970	LD	IX,L4F0D	
219E	FD212F3C	Z 0971	LD	IY,L3C2F	
21A2	0604	0972	LD	B,\$04	:4
21A4	21A342	0973	LD	HL,L42A3	
		0974	L21A7:		
21A7	FD7E00	Z 0975	LD	A,(IY)	
21AA	DD7700	Z 0976	LD	(IX),A	
21AD	FD7E01	Z 0977	LD	A,(IY+\$01)	
21B0	DD7701	Z 0978	LD	(IX+\$01),A	
21B3	DD7502	Z 0979	LD	(IX+\$02),L	



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21B6 DD7403      Z 0980      LD      (IX+#03),H
21B9 FD7E02      Z 0981      LD      A,(IY+#02)
21BC DD770D      Z 0982      LD      (IX+#0D),A
21BF 3E04        0983      LD      A,$04          ;4
21C1 90          0984      SUB     B
21C2 DD7712      Z 0985      LD      (IX+#12),A
21C5 11F000      0986      LD      DE,0F0H
21C8 19          0987      ADD     HL,DE
21C9 110300      0988      LD      DE,3
21CC FD19        Z 0989      ADD     IY,DE
21CE 111500      0990      LD      DE,15H
21D1 DD19        Z 0991      ADD     IX,DE
21D3 10D2        Z 0992      DJNZ   L21A7
21D5 DD210D4F    Z 0993      LD      IX,L4F0D
21D9 DD360980    Z 0994      LD      (IX+#09),$80   ;80H
21DD DD360AFF    Z 0995      LD      (IX+#0A),$FF   ;0FFH
21E1 DD360E7D    Z 0996      LD      (IX+#0E),$7D   ;7DH
21E5 DD360F01    Z 0997      LD      (IX+#0F),$01   ;1
21E9 DD361304    Z 0998      LD      (IX+#13),$04   ;4
21ED 3A4E45      0999      LD      A,(L454E)
21F0 FE06        1000      CP      $06          ;6
21F2 C48630      1001      CALL   NZ,L3086
21F5 C3C126      1002      JP      L26C1
                1003 L21F8:
21F8 3A4E45      1004      LD      A,(L454E)
21FB FE06        1005      CP      $06          ;6
21FD 201E        Z 1006      JR      NZ,L221D
21FF 3AB741      1007      LD      A,(L41B7)
2202 F5          1008      PUSH   AF
                1009 ;
2203           1010      SYSSUK BMUSIC        ; Begin opening music
2203 FF          1011+     RST     38H
2204 13          1012+     DB     BMUSIC+1
2205 A84C        1016      DW     L4CAB        ; Music Stack pointer
2207 F0          1017      DB     11110000B
2208 9132        1018      DW     L3291
                1019 ;
220A 0640        1020      LD      B,$40        ;'0'
                1021 L220C:
220C C5          1022      PUSH   BC
220D CD152B      1023      CALL   L2B15
2210 CD0002      1024      CALL   STIMER
2213 C1          1025      POP    BC
2214 10F6        Z 1026      DJNZ   L220C
2216 F1          1027      POP    AF
2217 32B741      1028      LD      (L41B7),A
221A CD8630      1029      CALL   L3086
                1030 L221D:
221D 21F642      1031      LD      HL,L42F6
2220 7E          1032      LD      A,(HL)
2221 B7          1033      OR     A
2222 2814        Z 1034      JR      Z,L2238
2224 35          1035      DEC    (HL)
2225 2011        Z 1036      JR      NZ,L2238
2227 0604        1037      LD      B,$04        ;4
2229 DD210D4F    Z 1038      LD      IX,L4F0D
222D 111500      1039      LD      DE,15H

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			1040 L2230:		
2230	DDCB0D96	Z	1041	RES	2,(IX+0D)
2234	DD19	Z	1042	ADD	IX,DE
2236	10F8	Z	1043	DJNZ	L2230
			1044 L2238:		
2238	2AFE44		1045	LD	HL,(L44FE)
223B	2B		1046	DEC	HL
223C	7C		1047	LD	A,H
223D	B5		1048	OR	L
223E	2024	Z	1049	JR	NZ,L2264
2240	FD2A9643	Z	1050	LD	IY,(L4396)
2244	3A7E42		1051	LD	A,(L427E)
2247	B7		1052	OR	A
2248	2809	Z	1053	JR	Z,L2253
224A	FD6E04	Z	1054	LD	L,(IY+04)
224D	FD6605	Z	1055	LD	H,(IY+05)
2250	AF		1056	XOR	A
2251	100E	Z	1057	JR	L2261
			1058 L2253:		
2253	215D38		1059	LD	HL,L385D
2256	22BE43		1060	LD	(L43BE),HL
2259	FD6E06	Z	1061	LD	L,(IY+06)
225C	FD6607	Z	1062	LD	H,(IY+07)
225F	3E02		1063	LD	A,02
			1064 L2261:		
2261	327E42		1065	LD	(L427E),A
			1066 L2264:		
2264	22FE44		1067	LD	(L44FE),HL
2267	3E03		1068	LD	A,03
2269	32D644		1069	LD	(L44D6),A
			1070 L226C:		
226C	DD21004F	Z	1071	LD	IX,L4F00
2270	CD3F2E		1072	CALL	L2E3F
2273	CD0F2C		1073	CALL	L2C0F
2276	B7		1074	OR	A
2277	2803	Z	1075	JR	Z,L227C
2279	32AF44		1076	LD	(L44AF),A
			1077 L227C:		
227C	3AF742		1078	LD	A,(L42F7)
227F	C610		1079	ADD	0
2281	4F		1080	LD	C,A
2282	ED78	Z	1081	IN	A,(C)
2284	E60F		1082	AND	0F
2286	32AE44		1083	LD	(L44AE),A
2289	2006	Z	1084	JR	NZ,L2291
228B	3AAF44		1085	LD	A,(L44AF)
228E	322E42		1086	LD	(L422E),A
			1087 L2291:		
2291	CD462B		1088	CALL	L2B46
2294	320742		1089	LD	(L4207),A
2297	3AAE44		1090	LD	A,(L44AE)
229A	212E42		1091	LD	HL,L422E
229D	203F	Z	1092	JR	NZ,L22DE
229F	BE		1093	CF	(HL)
22A0	CA4623		1094	JP	Z,L2346
22A3	211D3C		1095	LD	HL,L3C1D
22A6	3AAF44		1096	LD	A,(L44AF)

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1097 L22A9:
22A9 BE          1098      CP      (HL)
22AA 2804      Z 1099      JR      Z,L22B0
22AC 23        1100      INC     HL
22AD 23        1101      INC     HL
22AE 18F9      Z 1102      JR      L22A9
1103 L22B0:
22B0 23        1104      INC     HL
22B1 3AAE44    1105      LD      A,(L44AE)
22B4 A6        1106      AND     (HL)
22B5 CA4623    1107      JP      Z,L2346
22B8 3AAE44    1108      LD      A,(L44AE)
22BB 322E42    1109      LD      (L422E),A
22BE DD660A    Z 1110      LD      H,(IX+0A)
22C1 DD6E09    Z 1111      LD      L,(IX+09)
22C4 CDF2A     1112      CALL   L2AFF
22C7 DD7509    Z 1113      LD      (IX+09),L
22CA DD740A    Z 1114      LD      (IX+0A),H
22CD DD6E0B    Z 1115      LD      L,(IX+0B)
22D0 DD660C    Z 1116      LD      H,(IX+0C)
22D3 CDF2A     1117      CALL   L2AFF
22D6 DD750B    Z 1118      LD      (IX+0B),L
22D9 DD740C    Z 1119      LD      (IX+0C),H
22DC 1868      Z 1120      JR      L2346
1121 L22DE:
22DE BE          1122      CP      (HL)
22DF 2018      Z 1123      JR      NZ,L22F9
1124 L22E1:
22E1 3AAF44    1125      LD      A,(L44AF)
22E4 210742    1126      LD      HL,L4207
22E7 A6        1127      AND     (HL)
22E8 205C      Z 1128      JR      NZ,L2346
22EA AF        1129      XOR    A
22EB DD7709    Z 1130      LD      (IX+09),A
22EE DD770A    Z 1131      LD      (IX+0A),A
22F1 DD770B    Z 1132      LD      (IX+0B),A
22F4 DD770C    Z 1133      LD      (IX+0C),A
22F7 184D      Z 1134      JR      L2346
1135 L22F9:
22F9 B7        1136      OR     A
22FA 28E5      Z 1137      JR      Z,L22E1
22FC 210742    1138      LD      HL,L4207
22FF A6        1139      AND     (HL)
2300 28DF      Z 1140      JR      Z,L22E1
2302 FD2A9643  Z 1141      LD      IY,(L4396)
2306 21ED3B    1142      LD      HL,L3BED
2309 47        1143      LD      B,A
230A 87        1144      ADD    A
230B 80        1145      ADD    B
230C CD322C    1146      CALL   L2C32
230F 7E        1147      LD      A,(HL)
2310 DD770A    Z 1148      LD      (IX+0A),A
2313 B7        1149      OR     A
2314 280E      Z 1150      JR      Z,L2324
2316 FD7E02    Z 1151      LD      A,(IY+02)
2319 FA2223    1152      JP      M,L2322
231C DD360A00  Z 1153      LD      (IX+0A),000

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2320	1802	Z 1154	JR	L2324	
		1155 L2322:			
2322	ED44	Z 1156	NEG		
		1157 L2324:			
2324	DD7709	Z 1158	LD	(IX+09),A	
2327	23	1159	INC	HL	
2328	7E	1160	LD	A,(HL)	
2329	DD770C	Z 1161	LD	(IX+0C),A	
232C	B7	1162	OR	A	
232D	280E	Z 1163	JR	Z,L233D	
232F	FD7E02	Z 1164	LD	A,(IY+02)	
2332	FA3B23	1165	JP	M,L233B	
2335	DD360C00	Z 1166	LD	(IX+0C),00	0
2339	1802	Z 1167	JR	L233D	
		1168 L233B:			
233B	ED44	Z 1169	NEG		
		1170 L233D:			
233D	DD770B	Z 1171	LD	(IX+0B),A	
2340	3AAE44	1172	LD	A,(L44AE)	
2343	322E42	1173	LD	(L422E),A	
		1174 L2346:			
2346	DD6E09	Z 1175	LD	L,(IX+09)	
2349	DD660A	Z 1176	LD	H,(IX+0A)	
234C	DD5E07	Z 1177	LD	E,(IX+07)	
234F	DD5600	Z 1178	LD	D,(IX)	
2352	CDFB29	1179	CALL	L29FB	
2355	19	1180	ADD	HL,DE	
2356	7C	1181	LD	A,H	
2357	FE83	1182	CP	083	083H
2359	3804	Z 1183	JR	C,L235F	
235B	3E17	1184	LD	A,017	017H
235D	1806	Z 1185	JR	L2365	
		1186 L235F:			
235F	FE17	1187	CP	017	017H
2361	3002	Z 1188	JR	NC,L2365	
2363	3E82	1189	LD	A,082	082H
		1190 L2365:			
2365	DD7507	Z 1191	LD	(IX+07),L	
2368	DD7700	Z 1192	LD	(IX),A	
236B	DD6E0B	Z 1193	LD	L,(IX+0B)	
236E	DD660C	Z 1194	LD	H,(IX+0C)	
2371	DD5E08	Z 1195	LD	E,(IX+08)	
2374	DD5601	Z 1196	LD	D,(IX+01)	
2377	19	1197	ADD	HL,DE	
2378	DD7508	Z 1198	LD	(IX+08),L	
237B	DD7401	Z 1199	LD	(IX+01),H	
237E	CDBD29	1200	CALL	L29BD	
2381	3D	1201	DEC	A	
2382	6F	1202	LD	L,A	
2383	4F	1203	LD	C,A	
2384	FD2A9643	Z 1204	LD	IY,(L4396)	
2388	3AF642	1205	LD	A,(L42F6)	
238B	B7	1206	OR	A	
238C	2012	Z 1207	JR	NZ,L23A0	
238E	3A7E42	1208	LD	A,(L427E)	
2391	B7	1209	OR	A	
2392	200C	Z 1210	JR	NZ,L23A0	

2394	2600	1211	LD	H,\$00	10
2396	29	1212	ADD	HL,HL	
2397	29	1213	ADD	HL,HL	
2398	29	1214	ADD	HL,HL	
2399	11C836	1215	LD	DE,L36C8	
239C	19	1216	ADD	HL,DE	
239D	22BE43	1217	LD	(L43BE),HL	
		1218	L23A0:		
23A0	21AC36	1219	LD	HL,L36AC	
23A3	0600	1220	LD	B,\$00	10
23A5	09	1221	ADD	HL,BC	
23A6	3A4743	1222	LD	A,(L4347)	
23A9	BE	1223	CP	(HL)	
23AA	280C	Z 1224	JR	Z,L23BB	
23AC	7E	1225	LD	A,(HL)	
23AD	324743	1226	LD	(L4347),A	
23B0	FD7E01	Z 1227	LD	A,(IX+\$01)	
23B3	326E43	1228	LD	(L436E),A	
23B6	1808	Z 1229	JR	L23C0	
		1230	L23B8:		
23B8	216E43	1231	LD	HL,L436E	
23BB	7E	1232	LD	A,(HL)	
23BC	B7	1233	OR	A	
23BD	2801	Z 1234	JR	Z,L23C0	
23BF	35	1235	DEC	(HL)	
		1236	L23C0:		
23C0	DD210D4F	Z 1237	LD	IX,L4F0D	
23C4	3E04	1238	LD	A,\$04	14
23C6	328644	1239	LD	(L4486),A	
		1240	L23C9:		
23C9	DDCB0D46	Z 1241	BIT	0,(IX+\$0D)	
23CD	2841	Z 1242	JR	Z,L2410	
23CF	DDCB0D5E	Z 1243	BIT	3,(IX+\$0D)	
23D3	2025	Z 1244	JR	NZ,L23FA	
23D5	3A8644	1245	LD	A,(L4486)	
23D8	216F43	1246	LD	HL,L436F	
23DB	BE	1247	CP	(HL)	
23DC	C22926	1248	JP	NZ,L2629	
23DF	3A0E44	1249	LD	A,(L440E)	
23E2	3D	1250	DEC	A	
23E3	2806	Z 1251	JR	Z,L23EB	
23E5	320E44	1252	LD	(L440E),A	
23E8	C32926	1253	JP	L2629	
		1254	L23EB:		
23EB	216F43	1255	LD	HL,L436F	
23EE	35	1256	DEC	(HL)	
23EF	2AE643	1257	LD	HL,(L43E6)	
23F2	7E	1258	LD	A,(HL)	
23F3	23	1259	INC	HL	
23F4	22E643	1260	LD	(L43E6),HL	
23F7	320E44	1261	LD	(L440E),A	
		1262	L23FA:		
23FA	DDCB0DE6	Z 1263	SET	4,(IX+\$0D)	
23FE	DDCB0D9E	Z 1264	RES	3,(IX+\$0D)	
2402	DDCB0D86	Z 1265	RES	0,(IX+\$0D)	
2406	AF	1266	XOR	A	
2407	DD7710	Z 1267	LD	(IX+\$10),A	

240A	215636	1268	LD	HL,L3656	
240D	CD8F28	1269	CALL	L288F	
		1270	L2410:		
2410	DD7E0D	Z 1271	LD	A,(IX+0D)	
2413	E632	1272	AND	#32	:2'
2415	CAAE24	1273	JP	Z,L24AE	
2418	4F	1274	LD	C,A	
2419	DD7E0E	Z 1275	LD	A,(IX+0E)	
241C	DDBE00	Z 1276	CP	(IX)	
241F	C2AE24	1277	JP	NZ,L24AE	
2422	DD7E0F	Z 1278	LD	A,(IX+0F)	
2425	DDBE01	Z 1279	CP	(IX+01)	
2428	C2AE24	1280	JP	NZ,L24AE	
242B	79	1281	LD	A,C	
242C	FE10	1282	CP	#10	:10H
242E	2031	Z 1283	JR	NZ,L2461	
2430	DD7E10	Z 1284	LD	A,(IX+10)	
2433	3C	1285	INC	A	
2434	FE02	1286	CP	#02	:2
2436	280C	Z 1287	JR	Z,L2444	
2438	DD7710	Z 1288	LD	(IX+10),A	
243B	215636	1289	LD	HL,L3656	
243E	CD8F28	1290	CALL	L288F	
2441	C36A25	1291	JP	L256A	
		1292	L2444:		
2444	DDCB0DA6	Z 1293	RES	4,(IX+0D)	
2448	AF	1294	XOR	A	
2449	DD7711	Z 1295	LD	(IX+11),A	
244C	DD360980	Z 1296	LD	(IX+09),#80	:80H
2450	DD360AFF	Z 1297	LD	(IX+0A),#FF	:0FFH
2454	DD770B	Z 1298	LD	(IX+0B),A	
2457	DD770C	Z 1299	LD	(IX+0C),A	
245A	DD361304	Z 1300	LD	(IX+13),#04	:4
245E	C3AE24	R 1301	JP	L24AE	
		1302	L2461:		
2461	FE02	1303	CP	#02	:2
2463	202E	Z 1304	JR	NZ,L2493	
2465	3E0E	1305	LD	A,#0E	:0EH
2467	320742	1306	LD	(L4207),A	
246A	DD7E10	Z 1307	LD	A,(IX+10)	
246D	FE01	1308	CP	#01	:1
246F	380A	Z 1309	JR	C,L247B	
2471	2015	Z 1310	JR	NZ,L2488	
2473	DD7E12	Z 1311	LD	A,(IX+12)	
2476	FE02	1312	CP	#02	:2
2478	380E	Z 1313	JR	C,L2488	
247A	3D	1314	DEC	A	
		1315	L247B:		
247B	3C	1316	INC	A	
247C	DD7710	Z 1317	LD	(IX+10),A	
247F	215A36	1318	LD	HL,L365A	
2482	CD8F28	1319	CALL	L288F	
2485	C36A25	1320	JP	L256A	
		1321	L2488:		
2488	DDCB0D8E	Z 1322	RES	1,(IX+0D)	
248C	DDCB0DC6	Z 1323	SET	0,(IX+0D)	
2490	C32926	1324	JP	L2629	



			1325 L2493:			
2493	DDCB0DBE	Z	1326	RES	7,(IX+0D)	
2497	DD7E0A	Z	1327	LD	A,(IX+0A)	
249A	B7		1328	OR	A	
249B	F2A224		1329	JP	P,L24A2	
249E	DDCB0DFE	Z	1330	SET	7,(IX+0D)	
			1331 L24A2:			
24A2	DDCB0DAE	Z	1332	RES	5,(IX+0D)	
24A6	DDCB0DF6	Z	1333	SET	6,(IX+0D)	
24AA	DD361000	Z	1334	LD	(IX+010),000	:0
			1335 L24AE:			
24AE	DD7E0D	Z	1336	LD	A,(IX+0D)	
24B1	E613		1337	AND	013	:13H
24B3	2062	Z	1338	JR	NZ,L2517	
24B5	2ABE43		1339	LD	HL,(L43BE)	
24B8	DD7E12	Z	1340	LD	A,(IX+012)	
24BB	87		1341	ADD	A	
24BC	CD322C		1342	CALL	L2C32	
24BF	5E		1343	LD	E,(HL)	
24C0	23		1344	INC	HL	
24C1	56		1345	LD	D,(HL)	
24C2	EB		1346	EX	DE,HL	
24C3	3A6E43		1347	LD	A,(L436E)	
24C6	B7		1348	OR	A	
24C7	2011	Z	1349	JR	NZ,L24DA	
			1350 L24C9:			
24C9	7E		1351	LD	A,(HL)	
24CA	B7		1352	OR	A	
24CB	F2DA24		1353	JP	P,L24DA	
24CE	E640		1354	AND	040	:0e'
24D0	2805	Z	1355	JR	Z,L24D7	
			1356 L24D2:			
24D2	23		1357	INC	HL	
24D3	7E		1358	LD	A,(HL)	
24D4	B7		1359	OR	A	
24D5	20FB	Z	1360	JR	NZ,L24D2	
			1361 L24D7:			
24D7	23		1362	INC	HL	
24D8	18EF	Z	1363	JR	L24C9	
			1364 L24DA:			
24DA	7E		1365	LD	A,(HL)	
24DB	CB77	Z	1366	BIT	6,A	
24DD	2817	Z	1367	JR	Z,L24F6	
24DF	E5		1368	PUSH	HL	
24E0	CDBD29		1369	CALL	L298D	
24E3	4F		1370	LD	C,A	
24E4	E1		1371	POP	HL	
24E5	54		1372	LD	D,H	
24E6	5D		1373	LD	E,L	
24E7	23		1374	INC	HL	
			1375 L24E8:			
24E8	7E		1376	LD	A,(HL)	
24E9	B7		1377	OR	A	
24EA	2806	Z	1378	JR	Z,L24F2	
24EC	B9		1379	CP	C	
24ED	2806	Z	1380	JR	Z,L24F5	
24EF	23		1381	INC	HL	

24F0	18F6	Z	1382	JR	L24E8
			1383	L24F2:	
24F2	23		1384	INC	HL
24F3	18E5	Z	1385	JR	L24DA
			1386	L24F5:	
24F5	1A		1387	LD	A,(DE)
			1388	L24F6:	
24F6	E63F		1389	AND	%3F
24F8	DDBE11	Z	1390	CP	(IX+%11)
24FB	281A	Z	1391	JR	Z,L2517
24FD	DD7711	Z	1392	LD	(IX+%11),A
2500	DDCB0DB6	Z	1393	RES	6,(IX+%0D)
2504	DDCB0DEE	Z	1394	SET	5,(IX+%0D)
2508	CDDE29		1395	CALL	L29DE
250B	FD7E01	Z	1396	LD	A,(IY+%01)
250E	DD770E	Z	1397	LD	(IX+%0E),A
2511	FD7E02	Z	1398	LD	A,(IY+%02)
2514	DD770F	Z	1399	LD	(IX+%0F),A
			1400	L2517:	
2517	CD242B		1401	CALL	L2B24
251A	2007	Z	1402	JR	NZ,L2523
251C	DDCB1486	Z	1403	RES	0,(IX+%14)
2520	C36A25	R	1404	JP	L256A
			1405	L2523:	
2523	DDCB1446	Z	1406	BIT	0,(IX+%14)
2527	C26A25	R	1407	JP	NZ,L256A
252A	320742		1408	LD	(L4207),A
252D	DDCB14C6	Z	1409	SET	0,(IX+%14)
2531	DDCB0D76	Z	1410	BIT	6,(IX+%0D)
2535	2005	Z	1411	JR	NZ,L253C
2537	CD9C28		1412	CALL	L289C
253A	182E	Z	1413	JR	L256A
			1414	L253C:	
253C	DD7E11	Z	1415	LD	A,(IX+%11)
253F	CDDE29		1416	CALL	L29DE
2542	DD7E10	Z	1417	LD	A,(IX+%10)
2545	3C		1418	INC	A
2546	FD6E00	Z	1419	CP	(IY)
2549	3801	Z	1420	JR	C,L254C
254B	AF		1421	XOR	A
			1422	L254C:	
254C	DD7710	Z	1423	LD	(IX+%10),A
254F	DDCB0D7E	Z	1424	BIT	7,(IX+%0D)
2553	2008	Z	1425	JR	NZ,L255D
2555	FD6E03	Z	1426	LD	L,(IY+%03)
2558	FD6604	Z	1427	LD	H,(IY+%04)
255B	1806	Z	1428	JR	L2563
			1429	L255D:	
255D	FD6E05	Z	1430	LD	L,(IY+%05)
2560	FD6606	Z	1431	LD	H,(IY+%06)
			1432	L2563:	
2563	CD322C		1433	CALL	L2C32
2566	7E		1434	LD	A,(HL)
2567	CD7229		1435	CALL	L2972
			1436	L256A:	
256A	DD6E09	Z	1437	LD	L,(IX+%09)
256D	DD660A	Z	1438	LD	H,(IX+%0A)

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2570	DD5E07	Z 1439	LD	E,(IX+#07)	
2573	DD5600	Z 1440	LD	D,(IX)	
2576	CDFB29	1441	CALL	L29FB	
2579	CDF229	1442	CALL	L29F2	
257C	19	1443	ADD	HL,DE	
257D	7C	1444	LD	A,H	
257E	FE83	1445	CP	#83	:83H
2580	3804	Z 1446	JR	C,L2586	
2582	3E17	1447	LD	A,#17	:17H
2584	1806	Z 1448	JR	L258C	
		1449 L2586:			
2586	FE17	1450	CP	#17	:17H
2588	3002	Z 1451	JR	NC,L258C	
258A	3E82	1452	LD	A,#82	:82H
		1453 L258C:			
258C	DD7507	Z 1454	LD	(IX+#07),L	
258F	DD7700	Z 1455	LD	(IX),A	
2592	DD6E0B	Z 1456	LD	L,(IX+#0B)	
2595	DD660C	Z 1457	LD	H,(IX+#0C)	
2598	DD5E08	Z 1458	LD	E,(IX+#08)	
259B	DD5601	Z 1459	LD	D,(IX+#01)	
259E	CDF229	1460	CALL	L29F2	
25A1	19	1461	ADD	HL,DE	
25A2	DD7508	Z 1462	LD	(IX+#08),L	
25A5	DD7401	Z 1463	LD	(IX+#01),H	
25A8	DDCB0D5E	Z 1464	BIT	3,(IX+#0D)	
25AC	C22926	R 1465	JP	NZ,L2629	
25AF	FD21004F	Z 1466	LD	1Y,L4F00	
25B3	FD7E01	Z 1467	LD	A,(1Y+#01)	
25B6	DD9601	Z 1468	SUB	(IX+#01)	
25B9	3002	Z 1469	JR	NC,L25BD	
25BB	ED44	Z 1470	NEG		
		1471 L25BD:			
25BD	FE04	1472	CP	#04	:4
25BF	3068	Z 1473	JR	NC,L2629	
25C1	FD7E00	Z 1474	LD	A,(1Y)	
25C4	DD9600	Z 1475	SUB	(IX)	
25C7	3002	Z 1476	JR	NC,L25CB	
25C9	ED44	Z 1477	NEG		
		1478 L25CB:			
25CB	FE04	1479	CP	#04	:4
25CD	305A	Z 1480	JR	NC,L2629	
25CF	DDCB0D56	Z 1481	BIT	2,(IX+#0D)	
25D3	2007	Z 1482	JR	NZ,L25DC	
25D5	3E01	1483	LD	A,#01	:1
25D7	324643	1484	LD	(L4346),A	
25DA	184D	Z 1485	JR	L2629	
		1486 L25DC:			
25DC	DD360D0A	Z 1487	LD	(IX+#0D),#0A	:0AH
25E0	2A5A36	1488	LD	HL,(L365A)	
25E3	DD750E	Z 1489	LD	(IX+#0E),L	
25E6	DD740F	Z 1490	LD	(IX+#0F),H	
25E9	DD361000	Z 1491	LD	(IX+#10),#00	:0
25ED	215742	1492	LD	HL,L4257	
25F0	7E	1493	LD	A,(HL)	
25F1	34	1494	INC	(HL)	
25F2	87	1495	ADD	A	



25F3	87	1496	ADD	A	
25F4	21933A	1497	LD	HL,L3A93	
25F7	CD322C	1498	CALL	L2C32	
25FA	DDE5	Z 1499	PUSH	IX	
25FC	E5	1500	PUSH	HL	
25FD	CD1630	1501	CALL	L3016	
2600	E1	1502	POP	HL	
2601	23	1503	INC	HL	
2602	23	1504	INC	HL	
2603	5E	1505	LD	E,(HL)	
2604	23	1506	INC	HL	
2605	56	1507	LD	D,(HL)	
2606	CD6B30	1508	CALL	L306B	
2609	DDE1	Z 1509	POP	IX	
260B	3E02	1510	LD	A,\$02	\$2
260D	324643	1511	LD	(L4346),A	
2610	3E1E	1512	LD	A,\$1E	\$1EH
2612	320F44	1513	LD	(L440F),A	
2615	3A4E45	1514	LD	A,(L454E)	
2618	FE04	1515	CP	\$04	\$4
261A	300D	Z 1516	JR	NC,L2629	
261C	216932	1517	LD	HL,L3269	
261F	3E1E	1518	LD	A,\$1E	\$1EH
2621	0E03	1519	LD	C,\$03	\$3
2623	119830	1520	LD	DE,L3098	
2626	CD0430	1521	CALL	L3004	
		1522	L2629:		
2629	111500	1523	LD	DE,15H	
262C	DD19	Z 1524	ADD	IX,DE	
262E	218644	1525	LD	HL,L4486	
2631	35	1526	DEC	(HL)	
2632	C2C923	1527	JP	NZ,L23C9	
2635	21D644	1528	LD	HL,L44D6	
2638	35	1529	DEC	(HL)	
2639	C26C22	1530	JP	NZ,L226C	
263C	CD152B	1531	CALL	L2B15	
263F	DD214C4F	Z 1532	LD	IX,L4F4C	
2643	0604	1533	LD	B,\$04	\$4
		1534	L2645:		
2645	DD7E00	Z 1535	LD	A,(IX)	
2648	C5	1536	PUSH	BC	
2649	CDA62C	1537	CALL	L2CA6	
264C	C1	1538	POP	BC	
264D	11EBFF	1539	LD	IE,0FFEBH	
2650	DD19	Z 1540	ADD	IX,DE	
2652	10F1	Z 1541	DJNZ	L2645	
2654	DD21004F	Z 1542	LD	IX,L4F00	
2658	CDA62C	1543	CALL	L2CA6	
265B	3A9E45	1544	LD	A,(L459E)	
265E	B7	1545	OR	A	
265F	2828	Z 1546	JR	Z,L2689	
2661	FEFF	1547	CP	\$FF	\$0FFH
2663	2014	Z 1548	JR	NZ,L2679	
2665	CDE62B	1549	CALL	L2BE6	
2668	215C48	1550	LD	HL,L485C	
266B	CD8D2C	1551	CALL	L2C8D	
266E	3AB741	1552	LD	A,(L41B7)	

2671	FE04		1553	CP	\$04	\$4
2673	3E96		1554	LD	A,\$96	\$96H
2675	2802	Z	1555	JR	Z,L2679	
2677	3EC8		1556	LD	A,\$C8	\$0C8H
			1557	L2679:		
2679	3D		1558	DEC	A	
267A	329E45		1559	LD	(L459E),A	
267D	200A	Z	1560	JR	NZ,L2689	
267F	FD21B93C	Z	1561	LD	IY,L3CB9	
2683	215C48		1562	LD	HL,L485C	
2686	CD8D2C		1563	CALL	L2C8D	
			1564	L2689:		
2689	21CB4C		1565	LD	HL,L4CCB	
			1566	L268C:		
268C	7E		1567	LD	A,(HL)	
268D	B7		1568	OR	A	
268E	2831	Z	1569	JR	Z,L26C1	
2690	23		1570	INC	HL	
2691	5E		1571	LD	E,(HL)	
2692	23		1572	INC	HL	
2693	56		1573	LD	D,(HL)	
2694	012600		1574	LD	BC,26H	
2697	09		1575	ADD	HL,BC	
2698	222645		1576	LD	(L4526),HL	
269B	210040		1577	LD	HL,NORMEM	
269E	19		1578	ADD	HL,DE	
269F	B7		1579	OR	A	
26A0	FAB426		1580	JP	M,L26B4	
26A3	0604		1581	LD	B,\$04	\$4
26A5	112700		1582	LD	DE,27H	
			1583	L26A8:		
26A8	7E		1584	LD	A,(HL)	
26A9	E6F0		1585	AND	\$F0	\$0F0H
26AB	77		1586	LD	(HL),A	
26AC	23		1587	INC	HL	
26AD	3600		1588	LD	(HL),\$00	\$0
26AF	19		1589	ADD	HL,DE	
26B0	10F6	Z	1590	DJNZ	L26A8	
26B2	1808	Z	1591	JR	L26BC	
			1592	L26B4:		
26B4	3600		1593	LD	(HL),\$00	\$0
26B6	112800		1594	LD	DE,28H	
26B9	19		1595	ADD	HL,DE	
26BA	3600		1596	LD	(HL),\$00	\$0
			1597	L26BC:		
26BC	2A2645		1598	LD	HL,(L4526)	
26BF	18CB	Z	1599	JR	L268C	
			1600	L26C1:		
26C1	DD21004F	Z	1601	LD	IX,L4F00	
26C5	21CB4C		1602	LD	HL,L4CCB	
26C8	222645		1603	LD	(L4526),HL	
26CB	3600		1604	LD	(HL),\$00	\$0
26CD	DD7E00	Z	1605	LD	A,(IX)	
26D0	FE1D		1606	CP	\$1D	\$1DH
26D2	3810	Z	1607	JR	C,L26E4	
26D4	CD372C		1608	CALL	L2C37	
26D7	FD21D73D	Z	1609	LD	IY,L3DD7	

26DB	3AAF44	1610	LD	A,(L44AF)	
26DE	CDDE2A	1611	CALL	L2ADE	
26E1	CD8D2C	1612	CALL	L2C8D	
		1613	L26E4:		
26E4	DD210D4F	Z 1614	LD	IX,L4F0D	
26E8	0604	1615	LD	B,\$04	:4
		1616	L26EA:		
26EA	DD7E00	Z 1617	LD	A,(IX)	
26ED	FE1D	1618	CP	\$1D	:1DH
26EF	3838	Z 1619	JR	C,L2729	
26F1	C5	1620	PUSH	BC	
26F2	CD372C	1621	CALL	L2C37	
26F5	DD7E0D	Z 1622	LD	A,(IX+\$0D)	
26F8	E606	1623	AND	\$06	:6
26FA	2817	Z 1624	JR	Z,L2713	
26FC	FD21513D	Z 1625	LD	1Y,L3D51	
2700	FE02	1626	CP	\$02	:2
2702	2821	Z 1627	JR	Z,L2725	
2704	FD21453D	Z 1628	LD	1Y,L3D45	
2708	3AF642	1629	LD	A,(L42F6)	
270B	FE19	1630	CP	\$19	:19H
270D	3016	Z 1631	JR	NC,L2725	
270F	E604	1632	AND	\$04	:4
2711	2812	Z 1633	JR	Z,L2725	
		1634	L2713:		
2713	DD7E12	Z 1635	LD	A,(IX+\$12)	
2716	87	1636	ADD	A	
2717	87	1637	ADD	A	
2718	87	1638	ADD	A	
2719	5F	1639	LD	E,A	
271A	1600	1640	LD	D,\$00	:0
271C	FD21C53C	Z 1641	LD	1Y,L3CC5	
2720	FD19	Z 1642	ADD	1Y,DE	
2722	CDE92A	1643	CALL	L2AE9	
		1644	L2725:		
2725	CD8D2C	1645	CALL	L2C8D	
2728	C1	1646	POP	BC	
		1647	L2729:		
2729	111500	1648	LD	DE,15H	
272C	DD19	Z 1649	ADD	IX,DE	
272E	10BA	Z 1650	DJNZ	L26EA	
2730	3A7F42	1651	LD	A,(L427F)	
2733	B7	1652	OR	A	
2734	C4C12B	1653	CALL	NZ,L2BC1	
2737	3A4643	1654	LD	A,(L4346)	
273A	B7	1655	OR	A	
273B	280C	Z 1656	JR	Z,L2749	
273D	FE01	1657	CP	\$01	:1
273F	CA6727	R 1658	JP	Z,L2767	
2742	210F44	1659	LD	HL,L440F	
2745	35	1660	DEC	(HL)	
2746	CC6430	1661	CALL	Z,L3064	
		1662	L2749:		
2749	FD2AA642	Z 1663	LD	1Y,(L42A6)	
274D	FD7E28	Z 1664	LD	A,(1Y+\$28)	
2750	B7	1665	OR	A	
2751	CA3228	1666	JP	Z,L2832	



2754	CD8A2D		1667	CALL	L2DBA	
2757	21B641		1668	LD	HL,L41B6	
275A	34		1669	INC	(HL)	
275B	34		1670	INC	(HL)	
275C	7E		1671	LD	A,(HL)	
275D	FE10		1672	CP	\$10	:10H
275F	DAF821		1673	JP	C,L21F8	
2762	3600		1674	LD	(HL),\$00	:0
2764	C3F821		1675	JP	L21F8	
			1676	L2767:		
2767	217932		1677	LD	HL,L3279	
276A	3E22		1678	LD	A,\$22	:'''
276C	0E04		1679	LD	C,\$04	:4
276E	11E330		1680	LD	DE,L30E3	
2771	CD0430		1681	CALL	L3004	
2774	3E07		1682	LD	A,\$07	:7
2776	324F45		1683	LD	(L454F),A	
2779	3E01		1684	LD	A,\$01	:1
277B	32B741		1685	LD	(L41B7),A	
277E	060F		1686	LD	B,\$0F	:0FH
			1687	L2780:		
2780	CD152B		1688	CALL	L2B15	
2783	10FB	Z	1689	DJNZ	L2780	
2785	CD072E		1690	CALL	L2E07	
2788	215D3D		1691	LD	HL,L3D5D	
278B	223644		1692	LD	(L4436),HL	
			1693	L278E:		
278E	DD21004F	Z	1694	LD	1X,L4F00	
2792	CDA62C		1695	CALL	L2CA6	
2795	2A3644		1696	LD	HL,(L4436)	
2798	7E		1697	LD	A,(HL)	
2799	B7		1698	OR	A	
279A	2822	Z	1699	JR	Z,L27BE	
279C	F5		1700	PUSH	AF	
279D	23		1701	INC	HL	
279E	5E		1702	LD	E,(HL)	
279F	23		1703	INC	HL	
27A0	56		1704	LD	D,(HL)	
27A1	23		1705	INC	HL	
27A2	223644		1706	LD	(L4436),HL	
27A5	DD7E00	Z	1707	LD	A,(IX)	
27A8	FE1D		1708	CP	\$1D	:1DH
27AA	3809	Z	1709	JR	C,L27B5	
27AC	D5		1710	PUSH	DE	
27AD	CD372C		1711	CALL	L2C37	
27B0	FDE1	Z	1712	POP	1Y	
27B2	CD8D2C		1713	CALL	L2C8D	
			1714	L27B5:		
27B5	F1		1715	POP	AF	
27B6	47		1716	LD	B,A	
			1717	L27B7:		
27B7	CD152B		1718	CALL	L2B15	
27BA	10FB	Z	1719	DJNZ	L27B7	
27BC	18D0	Z	1720	JR	L278E	
			1721	L27BE:		
27BE	3E02		1722	LD	A,\$02	:2
27C0	327F42		1723	LD	(L427F),A	

27C3	AF	1724	XOR	A	
27C4	324643	1725	LD	(L4346),A	
27C7	FD2AA642	Z 1726	LD	IY,(L42A6)	
27CB	FD3504	Z 1727	DEC	(IY+#04)	
27CE	CD6F2B	1728	CALL	L2B6F	
27D1	3AF742	1729	LD	A,(L42F7)	
27D4	DD2ACE42	Z 1730	LD	IX,(L42CE)	
27DB	FD2AA642	Z 1731	LD	IY,(L42A6)	
27DC	21614F	1732	LD	HL,NUMPLR	
27DF	3C	1733	INC	A	
27E0	46	1734	LD	B,(HL)	
		1735	L27E1:		
27E1	4F	1736	LD	C,A	
27E2	BE	1737	CP	(HL)	
27E3	380C	Z 1738	JR	C,L27F1	
27E5	0E00	1739	LD	C,#00	:0
27E7	DD216346	Z 1740	LD	IX,L4663	
27EB	FD212340	Z 1741	LD	IY,L4023	
27EF	180A	Z 1742	JR	L27FB	
		1743	L27F1:		
27F1	119001	1744	LD	DE,#0190H	
27F4	DD19	Z 1745	ADD	IX,DE	
27F6	115000	1746	LD	DE,#50H	
27F9	FD19	Z 1747	ADD	IY,DE	
		1748	L27FB:		
27FB	FD7E04	Z 1749	LD	A,(IY+#04)	
27FE	B7	1750	OR	A	
27FF	2006	Z 1751	JR	NZ,L2807	
2801	79	1752	LD	A,C	
2802	3C	1753	INC	A	
2803	10DC	Z 1754	DJNZ	L27E1	
2805	180F	Z 1755	JR	L2816	
		1756	L2807:		
2807	DD22CE42	Z 1757	LD	(L42CE),IX	
280B	FD22A642	Z 1758	LD	(L42A6),IY	
280F	79	1759	LD	A,C	
2810	32F742	1760	LD	(L42F7),A	
2813	C3A120	1761	JP	L20A1	
		1762	:		
		1763	L2816:		
2816		1764	SYSSUK	STRDIS	: String display
2816	FF	1765+	RST	38H	
2817	35	1766+	DB	STRDIS+1	
2818	30	1770	DB	48	: X coordinate
2819	30	1771	DB	48	: Y coordinate
281A	08	1772	DB	#08	: Options
281B	BE3D	1773	DW	L3DBE	: "GAME OVER"
		1774	:		
281D	0602	1775	LD	B,#02	:2
281F	21DE41	1776	LD	HL,L41DE	
		1777	L2822:		
2822	DB10	1778	IN	A,(5W0)	
2824	E610	1779	AND	#10	:10H
2826	BE	1780	CP	(HL)	
2827	28F9	Z 1781	JR	Z,L2822	
2829	77	1782	LD	(HL),A	
282A	B7	1783	OR	A	

282B	28F5	Z	1784	JR	Z,L2822	
282D	10F3	Z	1785	DJNZ	L2822	
282F	C30000		1786	JP	0	
			1787	L2832:		
2832	AF		1788	XOR	A	
2833	324E45		1789	LD	(L454E),A	
2836	219730		1790	LD	HL,L3097	
2839	227645		1791	LD	(L4576),HL	
283C	D316		1792	OUT	(V0LAB),A	
283E	D315		1793	OUT	(V0LC),A	
2840	3A4643		1794	LD	A,(L4346)	
2843	FE02		1795	CP	#02	;2
2845	CC6430		1796	CALL	Z,L3064	
2848	0610		1797	LD	B,#10	;10H
			1798	L284A:		
284A	CD152B		1799	CALL	L2B15	
284D	10FB	Z	1800	DJNZ	L284A	
284F	CD072E		1801	CALL	L2E07	
2852	0603		1802	LD	B,#03	;3
			1803	L2854:		
2854	3EF1		1804	LD	A,#F1	;0F1H
2856	D307		1805	OUT	(COL3L),A	
2858	0E08		1806	LD	C,#08	;8
			1807	L285A:		
285A	CD152B		1808	CALL	L2B15	
285D	0D		1809	DEC	C	
285E	20FA	Z	1810	JR	NZ,L285A	
2860	3EF6		1811	LD	A,#F6	;0F6H
2862	D307		1812	OUT	(COL3L),A	
2864	0E08		1813	LD	C,#08	;8
			1814	L2866:		
2866	CD152B		1815	CALL	L2B15	
2869	0D		1816	DEC	C	
286A	20FA	Z	1817	JR	NZ,L2866	
286C	10E6	Z	1818	DJNZ	L2854	
286E	DD21004F	Z	1819	LD	IX,L4F00	
2872	CDA62C		1820	CALL	L2CA6	
2875	CD022D		1821	CALL	L2D02	
2878	FD2AA642	Z	1822	LD	1Y,(L42A6)	
287C	FD7E03	Z	1823	LD	A,(1Y+#03)	
287F	3C		1824	INC	A	
2880	FE16		1825	CP	#16	;16H
2882	3802	Z	1826	JR	C,L2886	
2884	3E0C		1827	LD	A,#0C	;0CH
			1828	L2886:		
2886	FD7703	Z	1829	LD	(1Y+#03),A	
2889	CD6F2B		1830	CALL	L2B6F	
288C	C30521		1831	JP	L2105	
			1832	L288F:		
288F	87		1833	ADD	A	
2890	CD322C		1834	CALL	L2C32	
2893	7E		1835	LD	A,(HL)	
2894	DD770E	Z	1836	LD	(IX+#0E),A	
2897	23		1837	INC	HL	
2898	7E		1838	LD	A,(HL)	
2899	DD770F	Z	1839	LD	(IX+#0F),A	
			1840	L289C:		



289C	DDCB0D66	Z	1841	BIT	4,(IX+00)	
28A0	2807	Z	1842	JR	Z,L28A9	
28A2	3E0F		1843	LD	A,\$0F	:0FH
28A4	320742		1844	LD	(L4207),A	
28A7	1815	Z	1845	JR	L28BE	
			1846	L28A9:		
28A9	DD7E13	Z	1847	LD	A,(IX+13)	
28AC	211D3C		1848	LD	HL,L3C1D	
			1849	L28AF:		
28AF	BE		1850	CP	(HL)	
28B0	2804	Z	1851	JR	Z,L28B6	
28B2	23		1852	INC	HL	
28B3	23		1853	INC	HL	
28B4	18F9	Z	1854	JR	L28AF	
			1855	L28B6:		
28B6	23		1856	INC	HL	
28B7	7E		1857	LD	A,(HL)	
28B8	2F		1858	CPL		
28B9	210742		1859	LD	HL,L4207	
28BC	A6		1860	AND	(HL)	
28BD	77		1861	LD	(HL),A	
			1862	L28BE:		
28BE	0600		1863	LD	B,\$00	:0
28C0	DD7E00	Z	1864	LD	A,(IX)	
28C3	DDBE0E	Z	1865	CP	(IX+0E)	
28C6	2806	Z	1866	JR	Z,L28CE	
28C8	0604		1867	LD	B,\$04	:4
28CA	3002	Z	1868	JR	NC,L28CE	
28CC	0608		1869	LD	B,\$08	:8
			1870	L28CE:		
28CE	DD7E01	Z	1871	LD	A,(IX+01)	
28D1	DDBE0F	Z	1872	CP	(IX+0F)	
28D4	78		1873	LD	A,B	
28D5	2807	Z	1874	JR	Z,L28DE	
28D7	3E02		1875	LD	A,\$02	:2
28D9	3802	Z	1876	JR	C,L28DD	
28DB	3E01		1877	LD	A,\$01	:1
			1878	L28DD:		
28DD	B0		1879	OR	B	
			1880	L28DE:		
28DE	210742		1881	LD	HL,L4207	
28E1	A6		1882	AND	(HL)	
28E2	2801	Z	1883	JR	Z,L28E5	
28E4	77		1884	LD	(HL),A	
			1885	L28E5:		
28E5	DDCB0D5E	Z	1886	BIT	3,(IX+0D)	
28E9	200A	Z	1887	JR	NZ,L28F5	
28EB	3A6E43		1888	LD	A,(L436E)	
28EE	4F		1889	LD	C,A	
28EF	3A7E42		1890	LD	A,(L427E)	
28F2	B1		1891	OR	C	
28F3	2843	Z	1892	JR	Z,L2938	
			1893	L28F5:		
28F5	DD7E01	Z	1894	LD	A,(IX+01)	
28F8	DD960F	Z	1895	SUB	(IX+0F)	
28FB	0601		1896	LD	B,\$01	:1
28FD	3004	Z	1897	JR	NC,L2903	

28FF	0602	1898	LD	B,#02	#2
2901	ED44	Z 1899	NEG		
		1900 L2903:			
2903	4F	1901	LD	C,A	
2904	DD7E00	Z 1902	LD	A,(1X)	
2907	DD960E	Z 1903	SUB	(IX+#0E)	
290A	3006	Z 1904	JR	NC,L2912	
290C	CBD0	Z 1905	SET	2,B	
290E	ED44	Z 1906	NEG		
2910	1802	Z 1907	JR	L2914	
		1908 L2912:			
2912	CBD8	Z 1909	SET	3,B	
		1910 L2914:			
2914	57	1911	LD	D,A	
2915	3A0742	1912	LD	A,(L4207)	
2918	A0	1913	AND	B	
2919	2817	Z 1914	JR	Z,L2932	
291B	47	1915	LD	B,A	
291C	E60C	1916	AND	#0C	#0CH
291E	2812	Z 1917	JR	Z,L2932	
2920	78	1918	LD	A,B	
2921	E603	1919	AND	#03	#3
2923	280D	Z 1920	JR	Z,L2932	
2925	7A	1921	LD	A,D	
2926	B9	1922	CP	C	
2927	78	1923	LD	A,B	
2928	3004	Z 1924	JR	NC,L292E	
292A	E603	1925	AND	#03	#3
292C	1807	Z 1926	JR	L2935	
		1927 L292E:			
292E	E60C	1928	AND	#0C	#0CH
2930	1803	Z 1929	JR	L2935	
		1930 L2932:			
2932	3A0742	1931	LD	A,(L4207)	
		1932 L2935:			
2935	C37229	R 1933	JP	L2972	
		1934 L2938:			
2938	DD7E12	Z 1935	LD	A,(IX+#12)	
293B	FE02	1936	CP	#02	#2
293D	302B	Z 1937	JR	NC,L296A	
293F	0600	1938	LD	B,#00	#0
2941	FD21004F	Z 1939	LD	IY,L4F00	
2945	DD7E00	Z 1940	LD	A,(IX)	
2948	FDBE00	Z 1941	CP	(IY)	
294B	2806	Z 1942	JR	Z,L2953	
294D	0604	1943	LD	B,#04	#4
294F	3002	Z 1944	JR	NC,L2953	
2951	0608	1945	LD	B,#08	#8
		1946 L2953:			
2953	DD7E01	Z 1947	LD	A,(IX+#01)	
2956	FDBE01	Z 1948	CP	(IY+#01)	
2959	2808	Z 1949	JR	Z,L2963	
295B	3E02	1950	LD	A,#02	#2
295D	3802	Z 1951	JR	C,L2961	
295F	3E01	1952	LD	A,#01	#1
		1953 L2961:			
2961	B0	1954	OR	B	

2962	47	1955	LD	B,A	
		1956 L2963:			
2963	7E	1957	LD	A,(HL)	
2964	A0	1958	AND	B	
2965	280A	Z 1959	JR	Z,L2971	
2967	77	1960	LD	(HL),A	
2968	1807	Z 1961	JR	L2971	
		1962 L296A:			
296A	DD7E13	Z 1963	LD	A,(IX+\$13)	
296D	A6	1964	AND	(HL)	
296E	2801	Z 1965	JR	Z,L2971	
2970	77	1966	LD	(HL),A	
		1967 L2971:			
2971	7E	1968	LD	A,(HL)	
		1969 L2972:			
2972	FD2A9643	Z 1970	LD	IY,(L4396)	
2976	FD4E03	Z 1971	LD	C,(IY+\$03)	
2979	DDCB0D4E	Z 1972	BIT	1,(IX+\$0D)	
297D	2802	Z 1973	JR	Z,L2981	
297F	0EFF	1974	LD	C,\$FF	\$0FFH
		1975 L2981:			
2981	21ED3B	1976	LD	HL,L3BED	
2984	47	1977	LD	B,A	
2985	87	1978	ADD	A	
2986	80	1979	ADD	B	
2987	CD322C	1980	CALL	L2C32	
298A	7E	1981	LD	A,(HL)	
298B	DD770A	Z 1982	LD	(IX+\$0A),A	
298E	B7	1983	OR	A	
298F	280C	Z 1984	JR	Z,L299D	
2991	79	1985	LD	A,C	
2992	FA9B29	1986	JP	M,L299B	
2995	DD360A00	Z 1987	LD	(IX+\$0A),\$00	\$0
2999	1802	Z 1988	JR	L299D	
		1989 L299B:			
299B	ED44	Z 1990	NEG		
		1991 L299D:			
299D	DD7709	Z 1992	LD	(IX+\$09),A	
29A0	23	1993	INC	HL	
29A1	7E	1994	LD	A,(HL)	
29A2	DD770C	Z 1995	LD	(IX+\$0C),A	
29A5	B7	1996	OR	A	
29A6	280C	Z 1997	JR	Z,L29B4	
29A8	79	1998	LD	A,C	
29A9	FAB229	1999	JP	M,L29B2	
29AC	DD360C00	Z 2000	LD	(IX+\$0C),\$00	\$0
29B0	1802	Z 2001	JR	L29B4	
		2002 L29B2:			
29B2	ED44	Z 2003	NEG		
		2004 L29B4:			
29B4	DD770B	Z 2005	LD	(IX+\$0B),A	
29B7	23	2006	INC	HL	
29B8	7E	2007	LD	A,(HL)	
29B9	DD7713	Z 2008	LD	(IX+\$13),A	
29BC	C9	2009	RET		
		2010 L29BD:			
29BD	DD7E01	Z 2011	LD	A,(IX+\$01)	



29C0	216236		2012	LD	HL,L3662	
29C3	110300		2013	LD	DE,3	
			2014	L29C6:		
29C6	BE		2015	CP	(HL)	
29C7	3803	Z	2016	JR	C,L29CC	
29C9	19		2017	ADD	HL,DE	
29CA	18FA	Z	2018	JR	L29C6	
			2019	L29CC:		
29CC	23		2020	INC	HL	
29CD	7E		2021	LD	A,(HL)	
29CE	23		2022	INC	HL	
29CF	66		2023	LD	H,(HL)	
29D0	6F		2024	LD	L,A	
29D1	DD7E00	Z	2025	LD	A,(IX)	
			2026	L29D4:		
29D4	BE		2027	CP	(HL)	
29D5	3804	Z	2028	JR	C,L29DB	
29D7	23		2029	INC	HL	
29D8	23		2030	INC	HL	
29D9	18F9	Z	2031	JR	L29D4	
			2032	L29DB:		
29DB	23		2033	INC	HL	
29DC	7E		2034	LD	A,(HL)	
29DD	C9		2035	RET		
			2036	L29DE:		
29DE	3D		2037	DEC	A	
29DF	6F		2038	LD	L,A	
29E0	2600		2039	LD	H,*00	10
29E2	5D		2040	LD	E,L	
29E3	54		2041	LD	D,H	
29E4	29		2042	ADD	HL,HL	
29E5	29		2043	ADD	HL,HL	
29E6	29		2044	ADD	HL,HL	
29E7	B7		2045	OR	A	
29E8	ED52	Z	2046	SBC	HL,DE	
29EA	116938		2047	LD	DE,L3869	
29ED	19		2048	ADD	HL,DE	
29EE	E5		2049	PUSH	HL	
29EF	FDE1	Z	2050	POP	IX	
29F1	C9		2051	RET		
			2052	L29F2:		
29F2	DDCB0D56	Z	2053	BIT	2,(IX+*0D)	
29F6	C8		2054	RET	Z	
29F7	0602		2055	LD	B,*02	12
29F9	1810	Z	2056	JR	L2A0B	
			2057	L29FB:		
29FB	DD7E01	Z	2058	LD	A,(IX+*01)	
29FE	FE29		2059	CP	*29	11
2A00	C0		2060	RET	NZ	
2A01	7A		2061	LD	A,D	
2A02	FE32		2062	CP	*32	12
2A04	3803	Z	2063	JR	C,L2A09	
2A06	FE76		2064	CP	*76	16H
2A08	D8		2065	RET	C	
			2066	L2A09:		
2A09	0603		2067	LD	B,*03	13
			2068	L2A0B:		

2A0B	D5	2069	PUSH	DE	
2A0C	54	2070	LD	D,H	
2A0D	5D	2071	LD	E,L	
		2072	L2A0E:		
2A0E	CB2A	Z 2073	SRA	D	
2A10	CB1B	Z 2074	RR	E	
2A12	10FA	Z 2075	DJNZ	L2A0E	
2A14	B7	2076	OR	A	
2A15	ED52	Z 2077	SBC	HL,DE	
2A17	D1	2078	POP	DE	
2A18	C9	2079	RET		
		2080	L2A19:		
2A19	DD217433	Z 2081	LD	1X,L3374	
		2082	L2A1D:		
2A1D	DD5E00	Z 2083	LD	E,(IX)	
2A20	DD5601	Z 2084	LD	D,(IX+\$01)	
2A23	3E10	2085	LD	A,\$10	:10H
		2086	:		
2A25		2087	SYSTEM	RELABS	
2A25	FF	2088+	RST	38H	
2A26	38	2089+	DB	RELABS	
		2093	:		
2A27	EB	2094	EX	DE,HL	
2A28	E5	2095	PUSH	HL	
2A29	F5	2096	PUSH	AF	
2A2A	DD7E03	Z 2097	LD	A,(IX+\$03)	
2A2D	E6F0	2098	AND	\$F0	:0F0H
2A2F	280A	Z 2099	JR	Z,L2A3B	
2A31	11D8FF	2100	LD	DE,0FFD8H	
2A34	FA3A2A	2101	JP	M,L2A3A	
2A37	112800	2102	LD	DE,28H	
		2103	L2A3A:		
2A3A	19	2104	ADD	HL,DE	
		2105	L2A3B:		
2A3B	36C0	2106	LD	(HL),\$C0	:0C0H
2A3D	F1	2107	POP	AF	
2A3E	E1	2108	POP	HL	
2A3F	E603	2109	AND	\$03	:3
2A41	3C	2110	INC	A	
2A42	FE04	2111	CP	\$04	:4
2A44	2002	Z 2112	JR	NZ,L2A4B	
2A46	AF	2113	XOR	A	
2A47	23	2114	INC	HL	
		2115	L2A4B:		
2A4B	F610	2116	OR	\$10	:10H
2A4A	D30C	2117	OUT	(MAGIC),A	
2A4C	DD7E02	Z 2118	LD	A,(IX+\$02)	
2A4F	D602	2119	SUB	\$02	:2
2A51	0EFF	2120	LD	C,\$FF	:0FFH
2A53	06C0	2121	LD	B,\$C0	:0C0H
		2122	L2A55:		
2A55	FE04	2123	CP	\$04	:4
2A57	3012	Z 2124	JR	NC,L2A6B	
2A59	B7	2125	OR	A	
2A5A	2818	Z 2126	JR	Z,L2A74	
2A5C	D604	2127	SUB	\$04	:4
2A5E	ED44	Z 2128	NEG		

		2129	L2A60:			
2A60	CB21	Z 2130	SLA	C		
2A62	CB21	Z 2131	SLA	C		
2A64	CB00	Z 2132	RLC	B		
2A66	CB00	Z 2133	RLC	B		
2A68	3D	2134	DEC	A		
2A69	20F5	Z 2135	JR	NZ,L2A60		
		2136	L2A6B:			
2A6B	71	2137	LD	(HL),C		
2A6C	23	2138	INC	HL		
2A6D	B7	2139	OR	A		
2A6E	2804	Z 2140	JR	Z,L2A74		
2A70	D604	2141	SUB	#04		#4
2A72	18E1	Z 2142	JR	L2A55		
		2143	L2A74:			
2A74	3600	2144	LD	(HL),#00		#0
2A76	78	2145	LD	A,B		
2A77	FEC0	2146	CP	#C0		#0C0H
2A79	2801	Z 2147	JR	Z,L2A7C		
2A7B	2B	2148	DEC	HL		
		2149	L2A7C:			
2A7C	DD7E03	Z 2150	LD	A,(IX+#03)		
2A7F	E60F	2151	AND	#0F		#0FH
2A81	280B	Z 2152	JR	Z,L2A8E		
2A83	E608	2153	AND	#08		#8
2A85	11D8FF	2154	LD	DE,0FFD8H		
2A88	2003	Z 2155	JR	NZ,L2A8D		
2A8A	112800	2156	LD	DE,28H		
		2157	L2A8D:			
2A8D	19	2158	ADD	HL,DE		
		2159	L2A8E:			
2A8E	70	2160	LD	(HL),B		
2A8F	23	2161	INC	HL		
2A90	3600	2162	LD	(HL),#00		#0
2A92	110400	2163	LD	DE,4		
2A95	DD19	Z 2164	ADD	IX,DE		
2A97	DD7E00	Z 2165	LD	A,(IX)		
2A9A	B7	2166	OR	A		
2A9B	2080	Z 2167	JR	NZ,L2A1D		
2A9D	DD219134	Z 2168	LD	IX,L3491		
		2169	L2AA1:			
2AA1	DD5E02	Z 2170	LD	E,(IX+#02)		
2AA4	DD5603	Z 2171	LD	D,(IX+#03)		
2AA7	D5	2172	PUSH	DE		
2AA8	FDE1	Z 2173	POP	1Y		
		2174	L2AAA:			
2AAA	0E02	2175	LD	C,#02		#2
2AAC	DD5E00	Z 2176	LD	E,(IX)		
		2177	L2AAF:			
2AAF	FD5600	Z 2178	LD	D,(1Y)		
2AB2	3E10	2179	LD	A,#10		#10H
		2180	;			
2AB4		2181	SYSTEM	RELABS		
2AB4	FF	2182+	RST	38H		
2AB5	38	2183+	DB	RELABS		
		2187	;			
2AB6	EB	2188	EX	DE,HL		



2AB7	FD4601	Z	2189	LD	B,(IY+#01)	
2ABA	112B00		2190	LD	DE,20H	
			2191	L2ABD:		
2ABD	36C0		2192	LD	(HL),#C0	:0C0H
2ABF	19		2193	ADD	HL,DE	
2AC0	10FB	Z	2194	DJNZ	L2ABD	
2AC2	DD5E01	Z	2195	LD	E,(IX+#01)	
2AC5	0D		2196	DEC	C	
2AC6	20E7	Z	2197	JR	NZ,L2AAF	
2AC8	FD23	Z	2198	INC	IY	
2ACA	FD23	Z	2199	INC	IY	
2ACC	FD7E00	Z	2200	LD	A,(IY)	
2ACF	B7		2201	OR	A	
2AD0	20DB	Z	2202	JR	NZ,L2AAA	
2AD2	110400		2203	LD	DE,4	
2AD5	DD19	Z	2204	ADD	IX,DE	
2AD7	DD7E00	Z	2205	LD	A,(IX)	
2ADA	B7		2206	OR	A	
2ADB	20C4	Z	2207	JR	NZ,L2AA1	
2ADD	C9		2208	RET		
			2209	L2ADE:		
2ADE	110B00		2210	LD	DE,8	
			2211	L2AE1:		
2AE1	CB3F	Z	2212	SRL	A	
2AE3	3804	Z	2213	JR	C,L2AE9	
2AE5	FD19	Z	2214	ADD	IY,DE	
2AE7	18F8	Z	2215	JR	L2AE1	
			2216	L2AE9:		
2AE9	3AB641		2217	LD	A,(L41B6)	
2AEC	CB3F	Z	2218	SRL	A	
2AEE	E6FE		2219	AND	#FE	:0FEH
2AF0	5F		2220	LD	E,A	
2AF1	1600		2221	LD	D,#00	:0
2AF3	FD19	Z	2222	ADD	IY,DE	
2AF5	FD5E00	Z	2223	LD	E,(IY)	
2AF8	FD5601	Z	2224	LD	D,(IY+#01)	
2AFB	D5		2225	PUSH	DE	
2AFC	FDE1	Z	2226	POP	IY	
2AFE	C9		2227	RET		
			2228	L2AFF:		
2AFF	7C		2229	LD	A,H	
2B00	2F		2230	CPL		
2B01	67		2231	LD	H,A	
2B02	7D		2232	LD	A,L	
2B03	2F		2233	CPL		
2B04	6F		2234	LD	L,A	
2B05	23		2235	INC	HL	
2B06	C9		2236	RET		
2B07	3002	Z	2237	JR	NC,L2B0B	
2B09	ED44	Z	2238	NEG		
			2239	L2B0B:		
2B0B	6F		2240	LD	L,A	
2B0C	2600		2241	LD	H,#00	:0
2B0E	3002	Z	2242	JR	NC,L2B12	
2B10	ED44	Z	2243	NEG		
			2244	L2B12:		
2B12	C3322C		2245	JP	L2C32	

		2246	L2B15:			
2B15	3AB741	2247		LD	A,(L41B7)	
2B18	57	2248		LD	D,A	
		2249	L2B19:			
2B19	3A5E44	2250		LD	A,(L445E)	
2B1C	BA	2251		CP	D	
2B1D	38FA	Z 2252		JR	C,L2B19	
2B1F	AF	2253		XOR	A	
2B20	325E44	2254		LD	(L445E),A	
2B23	C9	2255		RET		
		2256	L2B24:			
2B24	DD7E0D	Z 2257		LD	A,(IX+#0D)	
2B27	E644	2258		AND	\$44	; 'D'
2B29	201B	Z 2259		JR	NZ,L2B46	
2B2B	DD7E01	Z 2260		LD	A,(IX+#01)	
2B2E	FE25	2261		CP	\$25	; 'X'
2B30	2014	Z 2262		JR	NZ,L2B46	
2B32	DD7E00	Z 2263		LD	A,(IX)	
2B35	FE44	2264		CP	\$44	; 'D'
2B37	380D	Z 2265		JR	C,L2B46	
2B39	FE5D	2266		CP	\$5D	; 5DH
2B3B	3009	Z 2267		JR	NC,L2B46	
2B3D	DD7E13	Z 2268		LD	A,(IX+#13)	
2B40	FE02	2269		CP	\$02	; 2
2B42	2802	Z 2270		JR	Z,L2B46	
2B44	AF	2271		XOR	A	
2B45	C9	2272		RET		
		2273	L2B46:			
2B46	DD7E00	Z 2274		LD	A,(IX)	
2B49	21B235	2275		LD	HL,L35B2	
2B4C	110300	2276		LD	DE,3	
		2277	L2B4F:			
2B4F	BE	2278		CP	(HL)	
2B50	2805	Z 2279		JR	Z,L2B57	
2B52	3819	Z 2280		JR	C,L2B6D	
2B54	19	2281		ADD	HL,DE	
2B55	18F8	Z 2282		JR	L2B4F	
		2283	L2B57:			
2B57	23	2284		INC	HL	
2B58	7E	2285		LD	A,(HL)	
2B59	23	2286		INC	HL	
2B5A	66	2287		LD	H,(HL)	
2B5B	6F	2288		LD	L,A	
		2289	L2B5C:			
2B5C	7E	2290		LD	A,(HL)	
2B5D	B7	2291		OR	A	
2B5E	C8	2292		RET	Z	
2B5F	DDBE01	Z 2293		CP	(IX+#01)	
2B62	23	2294		INC	HL	
2B63	2805	Z 2295		JR	Z,L2B6A	
2B65	3006	Z 2296		JR	NC,L2B6D	
2B67	23	2297		INC	HL	
2B68	18F2	Z 2298		JR	L2B5C	
		2299	L2B6A:			
2B6A	7E	2300		LD	A,(HL)	
2B6B	B7	2301		OR	A	
2B6C	C9	2302		RET		

		2303 L2B6D:		
2B6D	AF	2304	XOR	A
2B6E	C9	2305	RET	
		2306 L2B6F:		
2B6F	3AF742	2307	LD	A,(L42F7)
2B72	3C	2308	INC	A
2B73	321E43	2309	LD	(L431E),A
2B76	CD012C	2310	CALL	L2C01
2B79	211E43	2311	LD	HL,L431E
2B7C	010801	2312	LD	BC,0108H
		2313 ;		
2B7F		2314	SYSTEM	DISNUM
2B7F	FF	2315+	RST	36H
2B80	36	2316+	DB	DISNUM
		2320 ;		
2B81	CD012C	2321	CALL	L2C01
2B84	2AA642	2322	LD	HL,(L42A6)
2B87	3E04	2323	LD	A,\$04 ;4
2B89	CU322C	2324	CALL	L2C32
2B8C	14	2325	INC	D
2B8D	3E0C	2326	LD	A,\$0C ;0CH
2B8F	83	2327	ADD	E
2B90	5F	2328	LD	E,A
2B91	DD210D02	Z 2329	LD	IX,FNTSML
2B95	010841	2330	LD	BC,L4108
		2331 ;		
2B98		2332	SYSTEM	DISNUM
2B98	FF	2333+	RST	36H
2B99	36	2334+	DB	DISNUM
		2338 ;		
2B9A	CDE62B	2339	CALL	L2BE6
2B9D	2B	2340	DEC	HL
2B9E	2B	2341	DEC	HL
2B9F	E5	2342	PUSH	HL
2BA0	CD012C	2343	CALL	L2C01
2BA3	3E10	2344	LD	A,\$10 ;10H
2BA5	82	2345	ADD	D
2BA6	57	2346	LD	D,A
2BA7	AF	2347	XOR	A
2BA8	CD202E	2348	CALL	L2E20
2BAB	210040	2349	LD	HL,NORMEM
2BAE	19	2350	ADD	HL,DE
2BAF	E5	2351	PUSH	HL
2BB0	CD8D2C	2352	CALL	L2C8D
2BB3	D1	2353	POP	DE
2BB4	13	2354	INC	DE
2BB5	13	2355	INC	DE
2BB6	E1	2356	POP	HL
2BB7	46	2357	LD	B,(HL)
2BB8	2B	2358	DEC	HL
2BB9	4E	2359	LD	C,(HL)
2BBA	C5	2360	PUSH	BC
2BBB	FDE1	Z 2361	POP	1Y
2BBD	EB	2362	EX	DE,HL
2BBE	CD8D2C	2363	CALL	L2C8D
		2364 L2BC1:		
2BC1	CD012C	2365	CALL	L2C01



2BC4	3E09		2366	LD	A,\$09		:9
2BC6	82		2367	ADD	D		
2BC7	57		2368	LD	D,A		
2BC8	7B		2369	LD	A,E		
2BC9	D608		2370	SUB	\$08		:8
2BCB	5F		2371	LD	E,A		
2BCC	2AA642		2372	LD	HL,(L42A6)		
2BCF	DD210D02	Z	2373	LD	IX,FNTSML		
2BD3	0109C6		2374	LD	BC,\$C609H		
2BD6	3A7F42		2375	LD	A,(L427F)		
2BD9	E602		2376	AND	\$02		:2
2BDB	2802	Z	2377	JR	Z,L2BDF		
2BDD	0E08		2378	LD	C,\$08		:8
			2379	:			
			2380	L2BDF:			
2BDF			2381	SYSTEM	DISNUM		
2BDF	FF		2382+	RST	38H		
2BE0	36		2383+	DB	DISNUM		
			2387	:			
2BE1	AF		2388	XOR	A		
2BE2	327F42		2389	LD	(L427F),A		
2BE5	C9		2390	RET			
			2391	L2BE6:			
2BE6	FD2AA642	Z	2392	LD	IY,(L42A6)		
2BEA	FD7E03	Z	2393	LD	A,(IY+\$03)		
2BED	FE0D		2394	CP	\$0D		:0DH
2BEF	3802	Z	2395	JR	C,L2BF3		
2BF1	3E0D		2396	LD	A,\$0D		:0DH
			2397	L2BF3:			
2BF3	213D3C		2398	LD	HL,L3C3D		
2BF6	87		2399	ADD	A		
2BF7	CD322C		2400	CALL	L2C32		
2BFA	5E		2401	LD	E,(HL)		
2BFB	23		2402	INC	HL		
2BFC	56		2403	LD	D,(HL)		
2BFD	D5		2404	PUSH	DE		
2BFE	FDE1	Z	2405	POP	IY		
2C00	C9		2406	RET			
			2407	L2C01:			
2C01	21273C		2408	LD	HL,L3C27		
2C04	3AF742		2409	LD	A,(L42F7)		
2C07	87		2410	ADD	A		
2C08	CD322C		2411	CALL	L2C32		
2C0B	5E		2412	LD	E,(HL)		
2C0C	23		2413	INC	HL		
2C0D	56		2414	LD	D,(HL)		
2C0E	C9		2415	RET			
			2416	L2C0F:			
2C0F	DD7E0A	Z	2417	LD	A,(IX+\$0A)		
2C12	DD8609	Z	2418	OR	(IX+\$09)		
2C15	280A	Z	2419	JR	Z,L2C21		
2C17	3E04		2420	LD	A,\$04		:4
2C19	DDCB0A7E	Z	2421	BIT	7,(IX+\$0A)		
2C1D	C0		2422	RET	NZ		
2C1E	3E08		2423	LD	A,\$08		:8
2C20	C9		2424	RET			
			2425	L2C21:			

2C21	DD7E0C	Z 2426	LD	A,(IX+\$0C)	
2C24	DD660B	Z 2427	OR	(IX+\$0B)	
2C27	C8	2428	RET	Z	
2C28	3E01	2429	LD	A,\$01	:1
2C2A	DDCB0C7E	Z 2430	BIT	7,(IX+\$0C)	
2C2E	C0	2431	RET	NZ	
2C2F	3E02	2432	LD	A,\$02	:2
2C31	C9	2433	RET		
		2434	L2C32:		
2C32	85	2435	ADD	L	
2C33	6F	2436	LD	L,A	
2C34	D0	2437	RET	NC	
2C35	24	2438	INC	H	
2C36	C9	2439	RET		
		2440	L2C37:		
2C37	3E10	2441	LD	A,\$10	:10H
2C39	CD1A2E	2442	CALL	L2E1A	
2C3C	EB	2443	EX	DE,HL	
2C3D	E5	2444	PUSH	HL	
2C3E	DD5E02	Z 2445	LD	E,(IX+\$02)	
2C41	DD5603	Z 2446	LD	D,(IX+\$03)	
2C44	D5	2447	PUSH	DE	
2C45	FDE1	Z 2448	POP	1Y	
2C47	110040	2449	LD	DE,NORMEM	
2C4A	19	2450	ADD	HL,DE	
2C4B	DD7404	Z 2451	LD	(IX+\$04),H	
2C4E	DD7505	Z 2452	LD	(IX+\$05),L	
2C51	0606	2453	LD	B,\$06	:6
2C53	DDE5	Z 2454	PUSH	IX	
2C55	E603	2455	AND	\$03	:3
2C57	5F	2456	LD	E,A	
2C58	87	2457	ADD	A	
2C59	83	2458	ADD	E	
2C5A	5F	2459	LD	E,A	
2C5B	1600	2460	LD	D,\$00	:0
2C5D	DD21293B	Z 2461	LD	IX,L3B29	
2C61	DD19	Z 2462	ADD	IX,DE	
2C63	112600	2463	LD	DE,26H	
		2464	L2C66:		
2C66	7E	2465	LD	A,(HL)	
2C67	FD7700	Z 2466	LD	(IY),A	
2C6A	DDA600	Z 2467	AND	(IX)	
2C6D	77	2468	LD	(HL),A	
2C6E	23	2469	INC	HL	
2C6F	FD23	Z 2470	INC	IY	
2C71	7E	2471	LD	A,(HL)	
2C72	FD7700	Z 2472	LD	(IY),A	
2C75	DDA601	Z 2473	AND	(IX+\$01)	
2C78	77	2474	LD	(HL),A	
2C79	23	2475	INC	HL	
2C7A	FD23	Z 2476	INC	1Y	
2C7C	7E	2477	LD	A,(HL)	
2C7D	FD7700	Z 2478	LD	(IY),A	
2C80	DDA602	Z 2479	AND	(IX+\$02)	
2C83	77	2480	LD	(HL),A	
2C84	19	2481	ADD	HL,DE	
2C85	FD19	Z 2482	ADD	1Y,DE	





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2543 L2CDE:
2CDE 21FF4E      2544          LD      HL,L4EFF
2545 L2CE1:
2CE1 0628        2546          LD      B,$28      ;'('
2547 L2CE3:
2CE3 78          2548          LD      A,B
2CE4 FE24        2549          CP      $24      ;'$'
2CE6 3002        Z 2550        JR      NC,L2CEA
2CE8 3600        2551          LD      (HL),$00   ;0
2552 L2CEA:
2CEA 2B          2553          DEC     HL
2CEB 7C          2554          LD      A,H
2CEC FE3F        2555          CP      $3F      ;'?
2CEE C8          2556          RET     Z
2CEF 10F2        Z 2557        DJNZ   L2CE3
2CF1 18EE        Z 2558        JR      L2CE1
2559 ;
2560 L2CF3:
2CF3          2561          SYSSUK RECTAN
2CF3 FF          2562+        RST    38H
2CF4 1D          2563+        DB    RECTAN+1
2CF5 8C          2567          DB    $8C      ;8CH
2CF6 00          2568          DB    $00      ;0
2CF7 14          2569          DB    $14      ;14H
2CF8 60          2570          DB    $60      ;60H
2CF9 00          2571          DB    $00      ;0
2572 ;
2573 L2CFA:
2CFA          2574          SYSSUK FILL
2CFA FF          2575+        RST    38H
2CFB 1B          2576+        DB    FILL+1
2CFC 004F        2580          DW    L4F00
2CFE 6100        2581          DW    61H
2D00 00          2582          DB    $00      ;0
2D01 C9          2583          RET
2584 L2D02:
2D02 3EEC        2585          LD      A,$EC      ;0ECH
2D04 FD2AA642    Z 2586          LD      IY,(L42A6)
2D08 FD36290F    Z 2587          LD      (IY+$29),$0F ;0FH
2D0C 2ACE42      2588          LD      HL,(L42CE)
2D0F 0605        2589          LD      B,$05      ;5
2D11 112300      2590          LD      DE,23H
2591 L2D14:
2D14 36FF        2592          LD      (HL),$FF    ;0FFH
2D16 23          2593          INC     HL
2D17 05          2594          DEC     B
2D18 2003        Z 2595          JR      NZ,L2D1D
2D1A 19          2596          ADD     HL,DE
2D1B 0605        2597          LD      B,$05      ;5
2598 L2D1D:
2D1D D608        2599          SUB     $08      ;8
2D1F 30F3        Z 2600        JR      NC,L2D14
2D21 FD3628EA    Z 2601          LD      (IY+$28),$EA ;0EAH
2D25 2ACE42      2602          LD      HL,(L42CE)
2D28 117800      2603          LD      DE,78H
2D2B 19          2604          ADD     HL,DE
2D2C 36CF        2605          LD      (HL),$CF    ;0CFH
    
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2D2E C9          2606          RET
                2607 L2D2F:
2D2F DD2ACE42   Z 2608          LD      IX,(L42CE)
2D33 3E05      2609          LD      A,$05          ;5
2D35 32DF41    2610          LD      (L41DF),A
2D38 3E80      2611          LD      A,$80          ;80H
2D3A 320642    2612          LD      (L4206),A
2D3D FD210A35  Z 2613          LD      IY,L350A
2D41 3EEC      2614          LD      A,$EC          ;0ECH
                2615 L2D43:
2D43 FD9601    Z 2616          SUB     (IY+$01)
2D46 328644    2617          LD      (L4486),A
2D49 FD7E01    Z 2618          LD      A,(IY+$01)
2D4C FD6E02    Z 2619          LD      L,(IY+$02)
2D4F FD6603    Z 2620          LD      H,(IY+$03)
                2621 L2D52:
2D52 FD5600    Z 2622          LD      D,(IY)
2D55 5E        2623          LD      E,(HL)
2D56 23        2624          INC     HL
2D57 96        2625          SUB     (HL)
2D58 325F44    2626          LD      (L445F),A
2D5B 46        2627          LD      B,(HL)
2D5C 23        2628          INC     HL
2D5D FDE5      Z 2629          PUSH   IY
2D5F CD202E    2630          CALL   L2E20
2D62 FD210040  Z 2631          LD      IY,NORMEM
2D66 FD19      Z 2632          ADD    IY,DE
2D68 3A0642    2633          LD      A,(L4206)
                2634 L2D6B:
2D6B DDA600    Z 2635          AND    (IX)
2D6E 280A      Z 2636          JR     Z,L2D7A
2D70 FD360050  Z 2637          LD      (IY),$50          ;'P'
2D74 FD362850  Z 2638          LD      (IY+$28),$50     ;'P'
2D78 1808      Z 2639          JR     L2D82
                2640 L2D7A:
2D7A FD360000  Z 2641          LD      (IY),$00          ;0
2D7E FD362800  Z 2642          LD      (IY+$28),$00     ;0
                2643 L2D82:
2D82 FD23      Z 2644          INC    IY
2D84 3A0642    2645          LD      A,(L4206)
2D87 CB3F      Z 2646          SRL   A
2D89 2014      Z 2647          JR     NZ,L2D9F
2D8B DD23      Z 2648          INC    IX
2D8D 3ADF41    2649          LD      A,(L41DF)
2D90 3D        2650          DEC    A
2D91 2007      Z 2651          JR     NZ,L2D9A
2D93 112300    2652          LD      DE,23H
2D96 DD19      Z 2653          ADD    IX,DE
2D98 3E05      2654          LD      A,$05          ;5
                2655 L2D9A:
2D9A 32DF41    2656          LD      (L41DF),A
2D9D 3E80      2657          LD      A,$80          ;80H
                2658 L2D9F:
2D9F 320642    2659          LD      (L4206),A
2DA2 10C7      Z 2660          DJNZ  L2D6B
2DA4 FDE1      Z 2661          POP   IY
2DA6 3A5F44    2662          LD      A,(L445F)
    
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2DA9	B7		2663	OR	A	
2DAA	20A6	Z	2664	JR	NZ,L2D52	
2DAC	110400		2665	LD	DE,4	
2DAF	FD19	Z	2666	ADD	IY,DE	
2DB1	3A8644		2667	LD	A,(L4486)	
2DB4	B7		2668	OR	A	
2DB5	208C	Z	2669	JR	NZ,L2D43	
2DB7	328744		2670	LD	(L4487),A	
			2671	L2DBA:		
2DBA	218744		2672	LD	HL,L4487	
2DBD	35		2673	DEC	(HL)	
2DBE	F2C72D		2674	JP	P,L2DC7	
2DC1	360E		2675	LD	(HL),#0E	:0EH
2DC3	3E18		2676	LD	A,#18	:18H
2DC5	1806	Z	2677	JR	L2DCD	
			2678	L2DC7:		
2DC7	7E		2679	LD	A,(HL)	
2DC8	FE07		2680	CP	#07	:7
2DCA	C0		2681	RET	NZ	
2DCB	3E28		2682	LD	A,#28	:('
			2683	L2DCD:		
2DCD	D30C		2684	OUT	(MAGIC),A	
2DCF	3E44		2685	LD	A,\$44	:D'
2DD1	D319		2686	OUT	(XPAND),A	
2DD3	DD2AA642	Z	2687	LD	1X,(L42A6)	
2DD7	DD7E29	Z	2688	LD	A,(1X+\$29)	
2DDA	DD21193B	Z	2689	LD	1X,L3B19	
			2690	L2DDE:		
2DDE	CB3F	Z	2691	SRL	A	
2DE0	301C	Z	2692	JR	NC,L2DFE	
2DE2	F5		2693	PUSH	AF	
2DE3	DD6E02	Z	2694	LD	L,(1X+\$02)	
2DE6	DD6603	Z	2695	LD	H,(1X+\$03)	
2DE9	FD21D33D	Z	2696	LD	IY,L3DD3	
2DED	112700		2697	LD	DE,27H	
2DF0	0604		2698	LD	B,\$04	:4
			2699	L2DF2:		
2DF2	FD7E00	Z	2700	LD	A,(IY)	
2DF5	77		2701	LD	(HL),A	
2DF6	23		2702	INC	HL	
2DF7	77		2703	LD	(HL),A	
2DF8	FD23	Z	2704	INC	IY	
2DFA	19		2705	ADD	HL,DE	
2DFB	10F5	Z	2706	DJNZ	L2DF2	
2DFD	F1		2707	POP	AF	
			2708	L2DFE:		
2DFE	110400		2709	LD	DE,4	
2E01	DD19	Z	2710	ADD	IX,DE	
2E03	B7		2711	OR	A	
2E04	20D8	Z	2712	JR	NZ,L2DDE	
2E06	C9		2713	RET		
			2714	L2E07:		
2E07	DD214C4F	Z	2715	LD	1X,L4F4C	
2E0B	0604		2716	LD	B,\$04	:4
			2717	L2E0D:		
2E0D	C5		2718	PUSH	BC	
2E0E	CDA62C		2719	CALL	L2CA6	



2E11	C1		2720	POP	BC	
2E12	11EBFF		2721	LD	DE,0FFEBH	
2E15	DD19	Z	2722	ADD	IX,DE	
2E17	10F4	Z	2723	DJNZ	L2E0D	
2E19	C9		2724	RET		
			2725	L2E1A:		
2E1A	DD5601	Z	2726	LD	D,(IX+01)	
2E1D	DD5E00	Z	2727	LD	E,(IX)	
			2728	L2E20:		
2E20	E5		2729	PUSH	HL	
2E21	6F		2730	LD	L,A	
2E22	7B		2731	LD	A,E	
2E23	E603		2732	AND	03	03
2E25	B5		2733	OR	L	
2E26	D30C		2734	OUT	(MAGIC),A	
2E28	7B		2735	LD	A,E	
2E29	6A		2736	LD	L,D	
2E2A	2600		2737	LD	H,00	00
2E2C	29		2738	ADD	HL,HL	
2E2D	29		2739	ADD	HL,HL	
2E2E	29		2740	ADD	HL,HL	
2E2F	54		2741	LD	D,H	
2E30	5D		2742	LD	E,L	
2E31	29		2743	ADD	HL,HL	
2E32	29		2744	ADD	HL,HL	
2E33	19		2745	ADD	HL,DE	
2E34	1600		2746	LD	D,00	00
2E36	5F		2747	LD	E,A	
2E37	CB3B	Z	2748	SRL	E	
2E39	CB3B	Z	2749	SRL	E	
2E3B	19		2750	ADD	HL,DE	
2E3C	EB		2751	EX	DE,HL	
2E3D	E1		2752	POP	HL	
2E3E	C9		2753	RET		
			2754	L2E3F:		
2E3F	3A9E45		2755	LD	A,(L459E)	
2E42	B7		2756	OR	A	
2E43	2847	Z	2757	JR	Z,L2E8C	
2E45	FEFF		2758	CP	FF	0FFH
2E47	2843	Z	2759	JR	Z,L2E8C	
2E49	DD7E01	Z	2760	LD	A,(IX+01)	
2E4C	FE35		2761	CP	35	035
2E4E	203C	Z	2762	JR	NZ,L2E8C	
2E50	DD7E00	Z	2763	LD	A,(IX)	
2E53	FE51		2764	CP	51	051
2E55	2035	Z	2765	JR	NZ,L2E8C	
2E57	3E01		2766	LD	A,01	01
2E59	329E45		2767	LD	(L459E),A	
2E5C	FD2AA642	Z	2768	LD	1Y,(L42A6)	
2E60	FD7E03	Z	2769	LD	A,(1Y+03)	
2E63	FE0D		2770	CP	0D	00DH
2E65	3802	Z	2771	JR	C,L2E69	
2E67	3E0D		2772	LD	A,0D	00DH
			2773	L2E69:		
2E69	FE01		2774	CP	01	01
2E6B	2801	Z	2775	JR	Z,L2E6E	
2E6D	3C		2776	INC	A	

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2777 L2E6E:
2E6E E6FE      2778      AND    $FE          ;0FEH
2E70 21833A   2779      LD     HL,L3A83
2E73 CD322C   2780      CALL  L2C32
2E76 CD1630   2781      CALL  L3016
2E79 3A4E45   2782      LD     A,(L454E)
2E7C FE04     2783      CP     $04          ;4
2E7E D0       2784      RET   NC
2E7F 216932   2785      LD     HL,L3269
2E82 3E1E     2786      LD     A,$1E        ;1EH
2E84 0E03     2787      LD     C,$03        ;3
2E86 119830   2788      LD     DE,L3098
2E89 C30430   2789      JP    L3004

2790 L2E8C:
2E8C DD7E00   Z 2791      LD     A,(IX)
2E8F C602     2792      ADD   $02          ;2
2E91 322F42   2793      LD     (L422F),A
2E94 E603     2794      AND   $03          ;3
2E96 C0       2795      RET   NZ
2E97 DD7E01   Z 2796      LD     A,(IX+$01)
2E9A C602     2797      ADD   $02          ;2
2E9C 47       2798      LD     B,A
2E9D 325642   2799      LD     (L4256),A
2EA0 E603     2800      AND   $03          ;3
2EA2 FE03     2801      CP     $03          ;3
2EA4 C0       2802      RET   NZ
2EA5 DD7E01   Z 2803      LD     A,(IX+$01)
2EA8 FE29     2804      CP     $29          ;'')
2EAA 2009     Z 2805      JR    NZ,L2EB5
2EAC 3A2F42   2806      LD     A,(L422F)
2EAF FE34     2807      CP     $34          ;'4'
2EB1 D8       2808      RET   C
2EB2 FE71     2809      CP     $71          ;71H
2EB4 D0       2810      RET   NC

2811 L2EB5:
2EB5 FD210A35 Z 2812      LD     IY,L350A
2EB9 110400   2813      LD     DE,4
2EBC 0E00     2814      LD     C,$00        ;0

2815 L2EBE:
2EBE 78       2816      LD     A,B
2EBF FD8E00   Z 2817      CP     (IY)
2EC2 2809     Z 2818      JR    Z,L2ECD
2EC4 FD7E01   Z 2819      LD     A,(IY+$01)
2EC7 81       2820      ADD   C
2EC8 4F       2821      LD     C,A
2EC9 FD19     Z 2822      ADD   IY,DE
2ECB 18F1     Z 2823      JR    L2EBE

2824 L2ECD:
2ECD FD6E02   Z 2825      LD     L,(IY+$02)
2ED0 FD6603   Z 2826      LD     H,(IY+$03)
2ED3 3A2F42   2827      LD     A,(L422F)
2ED6 47       2828      LD     B,A

2829 L2ED7:
2ED7 78       2830      LD     A,B
2ED8 BE       2831      CP     (HL)
2ED9 D8       2832      RET   C
2EDA 23       2833      INC   HL

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2EDB	7E		2834	LD	A, (HL)	
2EDC	2B		2835	DEC	HL	
2EDD	3D		2836	DEC	A	
2EDE	87		2837	ADD	A	
2EDF	87		2838	ADD	A	
2EE0	86		2839	ADD	(HL)	
2EE1	B8		2840	CP	B	
2EE2	3007	Z	2841	JR	NC, L2EEB	
2EE4	23		2842	INC	HL	
2EE5	7E		2843	LD	A, (HL)	
2EE6	81		2844	ADD	C	
2EE7	4F		2845	LD	C, A	
2EE8	23		2846	INC	HL	
2EE9	18EC	Z	2847	JR	L2ED7	
			2848	L2EEB:		
2EEB	78		2849	LD	A, B	
2EEC	96		2850	SUB	(HL)	
2EED	CB3F	Z	2851	SRL	A	
2EEF	CB3F	Z	2852	SRL	A	
2EF1	81		2853	ADD	C	
2EF2	4F		2854	LD	C, A	
2EF3	CB3F	Z	2855	SRL	A	
2EF5	CB3F	Z	2856	SRL	A	
2EF7	CB3F	Z	2857	SRL	A	
2EF9	2ACE42		2858	LD	HL, (L42CE)	
2EFC	112800		2859	LD	DE, 28H	
			2860	L2EFF:		
2EFF	FE05		2861	CP	\$05	:5
2F01	3805	Z	2862	JR	C, L2F08	
2F03	D605		2863	SUB	\$05	:5
2F05	19		2864	ADD	HL, DE	
2F06	18F7	Z	2865	JR	L2EFF	
			2866	L2F08:		
2F08	CD322C		2867	CALL	L2C32	
2F0B	79		2868	LD	A, C	
2F0C	E607		2869	AND	\$07	:7
2F0E	47		2870	LD	B, A	
2F0F	3E80		2871	LD	A, \$80	:80H
2F11	2804	Z	2872	JR	Z, L2F17	
			2873	L2F13:		
2F13	CB3F	Z	2874	SRL	A	
2F15	10FC	Z	2875	DJNZ	L2F13	
			2876	L2F17:		
2F17	A6		2877	AND	(HL)	
2F18	C8		2878	RET	Z	
2F19	AE		2879	XOR	(HL)	
2F1A	77		2880	LD	(HL), A	
2F1B	FD2AA642	Z	2881	LD	IY, (L42A6)	
2F1F	FD3528	Z	2882	DEC	(IY+\$28)	
2F22	FD7E28	Z	2883	LD	A, (IY+\$28)	
2F25	FE9C		2884	CP	\$9C	:9CH
2F27	2804	Z	2885	JR	Z, L2F2D	
2F29	FE4C		2886	CP	\$4C	:4C
2F2B	2005	Z	2887	JR	NZ, L2F32	
			2888	L2F2D:		
2F2D	3EFF		2889	LD	A, \$FF	:0FFH
2F2F	329E45		2890	LD	(L459E), A	



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2891 L2F32:
2F32 FD21193B Z 2892 LD IY,L3B19
2F36 110400 2893 LD DE,4
2F39 0604 2894 LD B,$04 ;4
2F3B 0E01 2895 LD C,$01 ;1
2896 L2F3D:
2F3D 3A2F42 2897 LD A,(L422F)
2F40 FD0E00 Z 2898 CP (IY)
2F43 2008 Z 2899 JR NZ,L2F4D
2F45 3A5642 2900 LD A,(L4256)
2F48 FD0E01 Z 2901 CP (IY+$01)
2F4B 281D Z 2902 JR Z,L2F6A
2903 L2F4D:
2F4D CB21 Z 2904 SLA C
2F4F FD19 Z 2905 ADD IY,DE
2F51 10EA Z 2906 DJNZ L2F3D
2F53 3A2F42 2907 LD A,(L422F)
2F56 5F 2908 LD E,A
2F57 3A5642 2909 LD A,(L4256)
2F5A 57 2910 LD D,A
2F5B AF 2911 XOR A
2F5C CD202E 2912 CALL L2E20
2F5F 3E80 2913 LD A,$80 ;80H
2F61 CD5230 2914 CALL L3052
2F64 21CF3D 2915 LD HL,L3DCF
2F67 C3F12F 2916 JP L2FF1
2917 L2F6A:
2F6A C5 2918 PUSH BC
2F6B FD5E02 Z 2919 LD E,(IY+$02)
2F6E FD5603 Z 2920 LD D,(IY+$03)
2F71 3E40 2921 LD A,$40 ;'0'
2F73 CD5230 2922 CALL L3052
2F76 FD210D4F Z 2923 LD IY,L4F0D
2F7A 0604 2924 LD B,$04 ;4
2F7C 111500 2925 LD DE,15H
2926 L2F7F:
2F7F FD7E0D Z 2927 LD A,(IY+$0D)
2F82 E602 2928 AND $02 ;2
2F84 203A Z 2929 JR NZ,L2FC0
2F86 FDCB0DD6 Z 2930 SET 2,(IY+$0D)
2F8A FD7E0D Z 2931 LD A,(IY+$0D)
2F8D E660 2932 AND $60 ;60H
2F8F 282F Z 2933 JR Z,L2FC0
2F91 211D3C 2934 LD HL,L3C1D
2F94 DD7E13 Z 2935 LD A,(IX+$13)
2936 L2F97:
2F97 BE 2937 CP (HL)
2F98 23 2938 INC HL
2F99 2803 Z 2939 JR Z,L2F9E
2F9B 23 2940 INC HL
2F9C 18F9 Z 2941 JR L2F97
2942 L2F9E:
2F9E 7E 2943 LD A,(HL)
2F9F FD7713 Z 2944 LD (IY+$13),A
2FA2 FD6E09 Z 2945 LD L,(IY+$09)
2FA5 FD660A Z 2946 LD H,(IY+$0A)
2FA8 C0FF2A 2947 CALL L2AFF

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2FAB	FD7509	Z 2948	LD	(IY+#09),L	
2FAE	FD740A	Z 2949	LD	(IY+#0A),H	
2FB1	FD6E0B	Z 2950	LD	L,(IY+#0B)	
2FB4	FD660C	Z 2951	LD	H,(IY+#0C)	
2FB7	CDFE2A	2952	CALL	L2AFF	
2FBA	FD750B	Z 2953	LD	(IY+#0B),L	
2FBD	FD740C	Z 2954	LD	(IY+#0C),H	
		2955	L2FC0:		
2FC0	FD19	Z 2956	ADD	IY,DE	
2FC2	10BB	Z 2957	DJNZ	L2F7F	
2FC4	AF	2958	XOR	A	
2FC5	325742	2959	LD	(L4257),A	
2FC8	C1	2960	POP	BC	
2FC9	FD2AA642	Z 2961	LD	IY,(L42A6)	
2FCD	79	2962	LD	A,C	
2FCE	FDAE29	Z 2963	XOR	(IY+#29)	
2FD1	FD7729	Z 2964	LD	(IY+#29),A	
2FD4	78	2965	LD	A,B	
2FD5	3D	2966	DEC	A	
2FD6	87	2967	ADD	A	
2FD7	211738	2968	LD	HL,L3817	
2FDA	CD322C	2969	CALL	L2C32	
2FDD	5E	2970	LD	E,(HL)	
2FDE	23	2971	INC	HL	
2FDF	56	2972	LD	D,(HL)	
2FE0	ED53BE43	Z 2973	LD	(L43BE),DE	
2FE4	FD2A9643	Z 2974	LD	IY,(L4396)	
2FE8	FD7E00	Z 2975	LD	A,(IY)	
2FEB	32F642	2976	LD	(L42F6),A	
2FEE	21D13D	2977	LD	HL,L3DD1	
		2978	L2FF1:		
2FF1	CD1630	2979	CALL	L3016	
2FF4	3A4E45	2980	LD	A,(L454E)	
2FF7	FE03	2981	CP	#03	#3
2FF9	D0	2982	RET	NC	
2FFA	218132	2983	LD	HL,L3281	
2FFD	3E00	2984	LD	A,#00	#0
2FFF	0E02	2985	LD	C,#02	#2
3001	118E31	2986	LD	DE,L318E	
		2987	L3004:		
3004	32D744	2988	LD	(L44D7),A	
3007	79	2989	LD	A,C	
3008	324E45	2990	LD	(L454E),A	
300B	ED537645	Z 2991	LD	(L4576),DE	
300F	0608	2992	LD	B,#08	#8
3011	0E18	2993	LD	C,SNDBX	
3013	EDB3	Z 2994	OTIR		
3015	C9	2995	RET		
		2996	L3016:		
3016	3E01	2997	LD	A,#01	#1
3018	327F42	2998	LD	(L427F),A	
301B	ED5BA642	Z 2999	LD	DE,(L42A6)	
301F	0602	3000	LD	B,#02	#2
3021	B7	3001	OR	A	
		3002	L3022:		
3022	1A	3003	LD	A,(DE)	
3023	8E	3004	ADC	(HL)	

3024	27		3005	DAA		
3025	12		3006	LD	(DE),A	
3026	23		3007	INC	HL	
3027	13		3008	INC	DE	
3028	10F8	Z	3009	DJNZ	L3022	
302A	D0		3010	RET	NC	
302B	1A		3011	LD	A,(DE)	
302C	CE00		3012	ADC	#00	:0
302E	27		3013	DAA		
302F	12		3014	LD	(DE),A	
3030	FE01		3015	CP	#01	:1
3032	C0		3016	RET	NZ	
3033	FD2AA642	Z	3017	LD	IY,(L42A6)	
3037	FD3404	Z	3018	INC	(IY+#04)	
303A	3A4E45		3019	LD	A,(L454E)	
303D	FE04		3020	CP	#04	:4
303F	D0		3021	RET	NC	
3040	3E04		3022	LD	A,#04	:4
3042	324F45		3023	LD	(L454F),A	
3045	0E05		3024	LD	C,#05	:5
3047	217132		3025	LD	HL,L3271	
304A	3E4A		3026	LD	A,#4A	:J'
304C	11E331		3027	LD	DE,L31E3	
304F	C30430	R	3028	JP	L3004	
			3029	L3052:		
3052	2A2645		3030	LD	HL,(L4526)	
3055	77		3031	LD	(HL),A	
3056	23		3032	INC	HL	
3057	73		3033	LD	(HL),E	
3058	23		3034	INC	HL	
3059	72		3035	LD	(HL),D	
305A	112600		3036	LD	DE,26H	
305D	19		3037	ADD	HL,DE	
305E	3600		3038	LD	(HL),#00	:0
3060	222645		3039	LD	(L4526),HL	
3063	C9		3040	RET		
			3041	L3064:		
3064	AF		3042	XOR	A	
3065	324643		3043	LD	(L4346),A	
3068	11F33A		3044	LD	DE,L3AF3	
			3045	L306B:		
306B	212F45		3046	LD	HL,L452F	
306E	D5		3047	PUSH	DE	
306F	FDE1	Z	3048	POP	IY	
3071	0605		3049	LD	B,#05	:5
3073	112400		3050	LD	DE,24H	
			3051	L3076:		
3076	0E04		3052	LD	C,#04	:4
			3053	L3078:		
3078	FD7E00	Z	3054	LD	A,(IY)	
307B	77		3055	LD	(HL),A	
307C	FD23	Z	3056	INC	IY	
307E	23		3057	INC	HL	
307F	0D		3058	DEC	C	
3080	20F6	Z	3059	JR	NZ,L3078	
3082	19		3060	ADD	HL,DE	
3083	10F1	Z	3061	DJNZ	L3076	



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3085 C9          3062          RET
                 3063 L3086:
3086 218932     3064          LD      HL,L3289
3087 3E08       3065          LD      A,$08          ;8
3088 0E01       3066          LD      C,$01          ;1
308D 115731     3067          LD      DE,L3157
3090 C30430     3068          JP      L3004
                 3069 L3093:
3093 2A7645     3070          LD      HL,(L4576)
3096 E9         3071          JP      (HL)
                 3072 L3097:
3097 C9         3073          RET
                 3074 L3098:
3098 3AD744     3075          LD      A,(L44D7)
309B D602       3076          SUB     $02          ;2
309D FE0E       3077          CP      $0E          ;0EH
309F 3035       Z 3078          JR      NC,L30D6
30A1 3E02       3079          LD      A,$02          ;2
30A3 324F45     3080          LD      (L454F),A
30A6 21B330     3081          LD      HL,L30B3
30A9 227645     3082          LD      (L4576),HL
30AC 3E00       3083          LD      A,$00          ;0
30AE D316       3084          OUT    (VOLAB),A
30B0 D315       3085          OUT    (VOLC),A
30B2 C9         3086          RET
                 3087 L30B3:
30B3 214F45     3088          LD      HL,L454F
30B6 35         3089          DEC    (HL)
30B7 C0         3090          RET      NZ
30B8 3EAA       3091          LD      A,$AA          ;0AAH
30BA D316       3092          OUT    (VOLAB),A
30BC 3E0A       3093          LD      A,$0A          ;0AH
30BE D315       3094          OUT    (VOLC),A
30C0 21C730     3095          LD      HL,L30C7
30C3 227645     3096          LD      (L4576),HL
30C6 C9         3097          RET
                 3098 L30C7:
30C7 3AD744     3099          LD      A,(L44D7)
30CA C602       3100          ADD    $02          ;2
30CC FE1F       3101          CP      $1F          ;1FH
30CE 3806       Z 3102          JR      C,L30D6
30D0 C38630     R 3103          JP      L3086
                 3104 L30D3:
30D3 227645     3105          LD      (L4576),HL
                 3106 L30D6:
30D6 32D744     3107          LD      (L44D7),A
30D9 CD1232     3108          CALL   L3212
30DC D311       3109          OUT    (TONEA),A
30DE D312       3110          OUT    (TONEB),A
30E0 D313       3111          OUT    (TONEC),A
30E2 C9         3112          RET
                 3113 L30E3:
30E3 214F45     3114          LD      HL,L454F
30E6 35         3115          DEC    (HL)
30E7 2806       Z 3116          JR      Z,L30EF
30E9 3AD744     3117          LD      A,(L44D7)
30EC 3C         3118          INC    A
    
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30ED	18E7	Z 3119	JR	L30D6	
		3120	L30EF:		
30EF	3605	3121	LD	(HL),#05	:5
30F1	21FB30	3122	LD	HL,L30FB	
30F4	3AD744	3123	LD	A,(L44D7)	
30F7	D603	3124	SUB	#03	:3
30F9	18D8	Z 3125	JR	L30D3	
		3126	L30FB:		
30FB	214F45	3127	LD	HL,L454F	
30FE	35	3128	DEC	(HL)	
30FF	2806	Z 3129	JR	Z,L3107	
3101	3AD744	3130	LD	A,(L44D7)	
3104	3D	3131	DEC	A	
3105	18CF	Z 3132	JR	L30D6	
		3133	L3107:		
3107	3AD744	3134	LD	A,(L44D7)	
310A	FE0F	3135	CP	#0F	:0FH
310C	280B	Z 3136	JR	Z,L3119	
310E	214F45	3137	LD	HL,L454F	
3111	3607	3138	LD	(HL),#07	:7
3113	3D	3139	DEC	A	
3114	21E330	3140	LD	HL,L30E3	
3117	18BA	Z 3141	JR	L30D3	
		3142	L3119:		
3119	211F31	3143	LD	HL,L311F	
311C	3D	3144	DEC	A	
311D	18B4	Z 3145	JR	L30D3	
		3146	L311F:		
311F	3AD744	3147	LD	A,(L44D7)	
3122	3C	3148	INC	A	
3123	FE15	3149	CP	#15	:15H
3125	38AF	Z 3150	JR	C,L30D6	
3127	3E02	3151	LD	A,#02	:2
3129	324F45	3152	LD	(L454F),A	
312C	213331	3153	LD	HL,L3133	
312F	3E10	3154	LD	A,#10	:10H
3131	18A0	Z 3155	JR	L30D3	
		3156	L3133:		
3133	3AD744	3157	LD	A,(L44D7)	
3136	C608	3158	ADD	#08	:8
3138	FE61	3159	CP	#61	:61H
313A	389A	Z 3160	JR	C,L30D6	
313C	214F45	3161	LD	HL,L454F	
313F	35	3162	DEC	(HL)	
3140	2804	Z 3163	JR	Z,L3146	
3142	3E10	3164	LD	A,#10	:10H
3144	1890	Z 3165	JR	L30D6	
		3166	L3146:		
3146	3E00	3167	LD	A,#00	:0
3148	D316	3168	OUT	(V0LAB),A	
314A	D315	3169	OUT	(V0LC),A	
314C	219730	3170	LD	HL,L3097	
314F	227645	3171	LD	(L4576),HL	
3152	AF	3172	XOR	A	
3153	324E45	3173	LD	(L454E),A	
3156	C9	3174	RET		
		3175	L3157:		

3157	21D744	3176	LD	HL,L44D7	
315A	35	3177	DEC	(HL)	
315B	C0	3178	RET	NZ	
315C	3EAA	3179	LD	A,\$AA	:0AAH
315E	D316	3180	OUT	(VOLAB),A	
3160	3E0A	3181	LD	A,\$0A	:0AH
3162	D315	3182	OUT	(VOLC),A	
3164	3E18	3183	LD	A,\$18	:18H
3166	216C31	3184	LD	HL,L316C	
3169	C3D330	3185	JP	L30D3	
		3186	L316C:		
316C	3AD744	3187	LD	A,(L44D7)	
316F	C602	3188	ADD	\$02	:2
3171	FE31	3189	CP	\$31	:1'
3173	DAD630	3190	JP	C,L30D6	
3176	217E31	3191	LD	HL,L317E	
3179	3E2E	3192	LD	A,\$2E	:2'
317B	C3D330	3193	JP	L30D3	
		3194	L317E:		
317E	3AD744	3195	LD	A,(L44D7)	
3181	D602	3196	SUB	\$02	:2
3183	FE18	3197	CP	\$18	:18H
3185	C2D630	3198	JP	NZ,L30D6	
3188	216C31	3199	LD	HL,L316C	
318B	C3D330	3200	JP	L30D3	
		3201	L318E:		
318E	3AD744	3202	LD	A,(L44D7)	
3191	C602	3203	ADD	\$02	:2
3193	FE0D	3204	CP	\$0D	:0DH
3195	3017	Z 3205	JR	NC,L31AE	
3197	32D744	3206	LD	(L44D7),A	
319A	CD1232	3207	CALL	L3212	
319D	D311	3208	OUT	(TONEA),A	
319F	3AD744	3209	LD	A,(L44D7)	
31A2	FE02	3210	CP	\$02	:2
31A4	2003	Z 3211	JR	NZ,L31A9	
31A6	2B	3212	DEC	HL	
31A7	1801	Z 3213	JR	L31AA	
		3214	L31A9:		
31A9	23	3215	INC	HL	
		3216	L31AA:		
31AA	7E	3217	LD	A,(HL)	
31AB	D312	3218	OUT	(TONEB),A	
31AD	C9	3219	RET		
		3220	L31AE:		
31AE	AF	3221	XOR	A	
31AF	D316	3222	OUT	(VOLAB),A	
31B1	3E0A	3223	LD	A,\$0A	:0AH
31B3	32D744	3224	LD	(L44D7),A	
31B6	21BD31	3225	LD	HL,L31BD	
31B9	227645	3226	LD	(L4576),HL	
31BC	C9	3227	RET		
		3228	L31BD:		
31BD	21C431	3229	LD	HL,L31C4	
31C0	3EB8	3230	LD	A,\$B8	:0B8H
31C2	D316	3231	OUT	(VOLAB),A	
		3232	L31C4:		



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31C4 3AD744      3233      LD      A,(L44D7)
31C7 D602        3234      SUB     $02                ;2
31C9 FAD931      3235      JP      M,L31D9
31CC 32D744      3236      LD      (L44D7),A
31CF CD1232      3237      CALL   L3212
31D2 D311        3238      OUT    (TONEA),A
31D4 23          3239      INC    HL
31D5 7E          3240      LD      A,(HL)
31D6 D312        3241      OUT    (TONEB),A
31D8 C9          3242      RET
                        3243 L31D9:
31D9 AF          3244      XOR    A
31DA D316        3245      OUT    (VOLAB),A
31DC 218630     3246      LD      HL,L3086
31DF 227645     3247      LD      (L4576),HL
31E2 C9          3248      RET
                        3249 L31E3:
31E3 214F45     3250      LD      HL,L454F
31E6 35          3251      DEC    (HL)
31E7 C0          3252      RET    NZ
31E8 3604       3253      LD      (HL),$04         ;4
31EA 21D744     3254      LD      HL,L44D7
31ED 7E          3255      LD      A,(HL)
31EE E6F0       3256      AND    $F0              ;0F0H
31F0 4F          3257      LD      C,A
31F1 7E          3258      LD      A,(HL)
31F2 E60F       3259      AND    $0F              ;0FH
31F4 3D          3260      DEC    A
31F5 F20132     3261      JP      P,L3201
31F8 79          3262      LD      A,C
31F9 D610       3263      SUB    $10              ;10H
31FB CA8630     3264      JP      Z,L3086
31FE 4F          3265      LD      C,A
31FF 3E0A       3266      LD      A,$0A          ;0AH
                        3267 L3201:
3201 D315       3268      OUT    (VOLC),A
3203 47          3269      LD      B,A
3204 B1          3270      OR     C
3205 77          3271      LD      (HL),A
3206 CB27       Z 3272      SLA    A
3208 CB27       Z 3273      SLA    A
320A CB27       Z 3274      SLA    A
320C CB27       Z 3275      SLA    A
320E B0         3276      OR     B
320F D316       3277      OUT    (VOLAB),A
3211 C9         3278      RET
                        3279 L3212:
3212 FE2C       3280      CP     $2C              ;',
3214 380C       Z 3281      JR     C,L3222
3216 215532     3282      LD      HL,L3255
                        3283 L3219:
3219 BE         3284      CP     (HL)
321A 23         3285      INC    HL
321B 2803       Z 3286      JR     Z,L3220
321D 23         3287      INC    HL
321E 18F9       Z 3288      JR     L3219
                        3289 L3220:

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3220 7E          3290          LD      A,(HL)
3221 C9          3291          RET
                 3292 L3222:
3222 212A32      3293          LD      HL,L322A
3225 CD322C    3294          CALL   L2C32
3228 7E          3295          LD      A,(HL)
3229 C9          3296          RET
                 3297 L322A:
322A 7EFC4B97   3298          DB      '~',0FCH,'K',97H,'51)5"D'
          356C2953
          2244
3234 1C391832   3299          DB      1CH,'9',18H,'2',0F8H,0D7H,0BDH
          F8D7BD
323B A896847E    3300          DB      0A8H,96H,84H,'~sga^WSNJGDA>:975310.-'
          7367615E
          57534E4A
          4744413E
          3B393735
          3331302E
          2D
3254 2B          3301          DB      '+'
                 3302 L3255:
3255 2C292E27   3303          DB      ',).''0%4!8',1EH,'@',1AH,'H'
          30253421
          381E401A
          48
3262 17501458   3304          DB      17H,'P',14H,'X',12H,''',10H
          126010
                 3305 L3269:
3269 00AA0A00   3306          DB      0,0AAH,0AH,0,'DDD',19H
          44444419
                 3307 L3271:
3271 00AA0A00   3308          DB      0,0AAH,0AH,0,'5',1EH,10H,19H
          351E1019
                 3309 L3279:
3279 00FF0F00   3310          DB      0,0FFH,0FH,0,'999',19H
          39393919
                 3311 L3281:
3281 00B80000   3312          DB      0,0B8H,0,0,0,0FCH,'~)'
          00FC7E29
                 3313 L3289:
3289 00000000   3314          DB      0,0,0,0,'^^^',19H
          5E5E5E19
                 3315 :
                 3316 : Opening Music Score
                 3317 :
                 3318 L3291:
3291          3319          OUTPUT  SNDBX,53,31,252,0,0,0,170,0
3291 88          3324+         DB      88H
3292 00AA0000   3325+         DB      0,170,0,0,0,252,31,53
          00FC1F35
329A CD2833    3327          CALL   L3328
329D          3328          VOLUME 99H,0
329D B09900     3329+         DB      0B0H,99H,0
32A0          3330          NOTE2  1,G53,G50
32A0 011DEE    3331+         DB      1 AND 7FH,G53,G50
32A3          3332          VOLUME 90H,0

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32A3	B09000	3333+	DB	0B0H,90H,0
32A6		3334	NOTE2	1,G53,G50
32A6	011DEE	3335+	DB	1 AND 7FH,G53,G50
32A9		3336	VOLUME	99H,0
32A9	B09900	3337+	DB	0B0H,99H,0
32AC		3338	NOTE2	1,G54,G50
32AC	010EEE	3339+	DB	1 AND 7FH,G54,G50
32AF		3340	VOLUME	90H,0
32AF	B09000	3341+	DB	0B0H,90H,0
32B2		3342	NOTE2	1,G54,G50
32B2	010EEE	3343+	DB	1 AND 7FH,G54,G50
32B5		3344	VOLUME	9,0
32B5	B00900	3345+	DB	0B0H,9,0
32B8		3346	NOTE2	1,DS4,G50
32B8	0113EE	3347+	DB	1 AND 7FH,DS4,G50
32BB		3348	VOLUME	0,0
32BB	B00000	3349+	DB	0B0H,0,0
32BE		3350	NOTE2	1,DS4,G50
32BE	0113EE	3351+	DB	1 AND 7FH,DS4,G50
32C1		3352	VOLUME	99H,0
32C1	B09900	3353+	DB	0B0H,99H,0
32C4		3354	NOTE2	1,C4,DS1-1
32C4	01179E	3355+	DB	1 AND 7FH,C4,DS1-1
32C7		3356	VOLUME	90H,0
32C7	B09000	3357+	DB	0B0H,90H,0
32CA		3358	NOTE2	1,C4,DS1-1
32CA	01179E	3359+	DB	1 AND 7FH,C4,DS1-1
32CD		3360	VOLUME	99H,0
32CD	B09900	3361+	DB	0B0H,99H,0
32D0		3362	NOTE2	1,G54,G50
32D0	010EEE	3363+	DB	1 AND 7FH,G54,G50
32D3		3364	NOTE2	1,DS4,G50
32D3	0113EE	3365+	DB	1 AND 7FH,DS4,G50
32D6		3366	VOLUME	90H,0
32D6	B09000	3367+	DB	0B0H,90H,0
32D9		3368	NOTE2	2,DS4,G50
32D9	0213EE	3369+	DB	2 AND 7FH,DS4,G50
32DC		3370	VOLUME	9,0
32DC	B00900	3371+	DB	0B0H,9,0
32DF		3372	NOTE2	2,C4,G50
32DF	0217EE	3373+	DB	2 AND 7FH,C4,G50
32E2		3374	VOLUME	90H,0
32E2	B09000	3375+	DB	0B0H,90H,0
32E5		3376	NOTE2	2,C4,D1
32E5	0217A8	3377+	DB	2 AND 7FH,C4,D1
32E8	CD2833	3378	CALL	L3328
32EB		3379	VOLUME	99H,0
32EB	B09900	3380+	DB	0B0H,99H,0
32EE		3381	NOTE2	1,AS3,D1
32EE	011AAB	3382+	DB	1 AND 7FH,AS3,D1
32F1		3383	NOTE2	1,B3,D1
32F1	0118A8	3384+	DB	1 AND 7FH,B3,D1
32F4		3385	NOTE2	1,C4,D1
32F4	0117A8	3386+	DB	1 AND 7FH,C4,D1
32F7		3387	VOLUME	90H,0
32F7	B09000	3388+	DB	0B0H,90H,0
32FA		3389	NOTE2	1,C4,D1



32FA	0117A8	3390+	DB	1 AND 7FH,C4,D1
32FD		3391	VOLUME	99H,0
32FD	B09900	3392+	DB	0B0H,99H,0
3300		3393	NOTE2	1,C4,E1
3300	011796	3394+	DB	1 AND 7FH,C4,E1
3303		3395	NOTE2	1,C54,E1
3303	011596	3396+	DB	1 AND 7FH,C54,E1
3306		3397	NOTE2	1,D4,E1
3306	011496	3398+	DB	1 AND 7FH,D4,E1
3309		3399	VOLUME	90H,0
3309	B09000	3400+	DB	0B0H,90H,0
330C		3401	NOTE2	1,D4,FS1
330C	011485	3402+	DB	1 AND 7FH,D4,FS1
330F		3403	NOTE2	1,DS4,FS1
330F	011385	3404+	DB	1 AND 7FH,DS4,FS1
3312		3405	NOTE2	1,E4,FS1
3312	011285	3406+	DB	1 AND 7FH,E4,FS1
3315		3407	VOLUME	90H,0
3315	B09000	3408+	DB	0B0H,90H,0
3318		3409	NOTE2	1,E4,FS1
3318	011285	3410+	DB	1 AND 7FH,E4,FS1
331B		3411	VOLUME	99H,0
331B	B09900	3412+	DB	0B0H,99H,0
331E		3413	NOTE2	2,G4,G1
331E	020F7E	3414+	DB	2 AND 7FH,G4,G1
3321		3415	VOLUME	90H,0
3321	B09000	3416+	DB	0B0H,90H,0
3324		3417	NOTE2	2,G4,G1
3324	020F7E	3418+	DB	2 AND 7FH,G4,G1
3327		3419	QUIE1	
3327	F0	3420+	DB	0F0H
		3421	L3328:	
3328		3422	VOLUME	99H,0
3328	B09900	3423+	DB	0B0H,99H,0
332B		3424	NOTE2	1,G3,G0-1
332B	011FFC	3425+	DB	1 AND 7FH,G3,G0-1
332E		3426	VOLUME	90H,0
332E	B09000	3427+	DB	0B0H,90H,0
3331		3428	NOTE2	1,G3,G0-1
3331	011FFC	3429+	DB	1 AND 7FH,G3,G0-1
3334		3430	VOLUME	99H,0
3334	B09900	3431+	DB	0B0H,99H,0
3337		3432	NOTE2	1,G4,G0-1
3337	010FFC	3433+	DB	1 AND 7FH,G4,G0-1
333A		3434	VOLUME	90H,0
333A	B09000	3435+	DB	0B0H,90H,0
333D		3436	NOTE2	1,G4,G0-1
333D	010FFC	3437+	DB	1 AND 7FH,G4,G0-1
3340		3438	VOLUME	9,0
3340	B00900	3439+	DB	0B0H,9,0
3343		3440	NOTE2	1,D4,G0-1
3343	0114FC	3441+	DB	1 AND 7FH,D4,G0-1
3346		3442	VOLUME	0,0
3346	B00000	3443+	DB	0B0H,0,0
3349		3444	NOTE2	1,D4,G0-1
3349	0114FC	3445+	DB	1 AND 7FH,D4,G0-1
334C		3446	VOLUME	99H,0

334C	B09900	3447+	DB	0B0H,99H,0
334F		3448	NOTE2	1,B3,D1
334F	0118A8	3449+	DB	1 AND 7FH,B3,D1
3352		3450	VOLUME	90H,0
3352	B09000	3451+	DB	0B0H,90H,0
3355		3452	NOTE2	1,B3,D1
3355	0118A8	3453+	DB	1 AND 7FH,B3,D1
3358		3454	VOLUME	99H,0
3358	B09900	3455+	DB	0B0H,99H,0
335B		3456	NOTE2	1,G4,G0-1
335B	010FFC	3457+	DB	1 AND 7FH,G4,G0-1
335E		3458	NOTE2	1,D4,G0-1
335E	0114FC	3459+	DB	1 AND 7FH,D4,G0-1
3361		3460	VOLUME	90H,0
3361	B09000	3461+	DB	0B0H,90H,0
3364		3462	NOTE2	2,D4,G0-1
3364	0214FC	3463+	DB	2 AND 7FH,D4,G0-1
3367		3464	VOLUME	9,0
3367	B00900	3465+	DB	0B0H,9,0
336A		3466	NOTE2	2,B3,G0-1
336A	0218FC	3467+	DB	2 AND 7FH,B3,G0-1
336D		3468	VOLUME	90H,0
336D	B09000	3469+	DB	0B0H,90H,0
3370		3470	NOTE2	2,B3,D1
3370	0218A8	3471+	DB	2 AND 7FH,B3,D1
3373	C9	3472	RET	
		3473	L3374:	
3374	1E003211	3474	DB	1EH,0,'2',11H,'V',0,'2',11H
	56003211			
337C	25070C11	3475	DB	'Z',7,0CH,11H,'9',7,10H,11H
	39071011			
3384	5D071011	3476	DB	'J',7,10H,11H,'u',7,0CH,11H
	75070C11			
338C	250C0CFF	3477	DB	'Z',0CH,0CH,0FFH,'9',0CH,10H
	390C10			
3393	FF510C04	3478	DB	0FFH,'0',0CH,4,0FFH,'J',0CH
	FF5D0C			
339A	10FF750C	3479	DB	10H,0FFH,'u',0CH,0CH,0FFH,'Z'
	0CFF25			
33A1	130C1139	3480	DB	13H,0CH,11H,'9',13H,4,11H
	130411			
33AB	45131C11	3481	DB	'E',13H,1CH,11H,'i',13H,4
	691304			
33AF	1175130C	3482	DB	11H,'u',13H,0CH,11H,'Z',18H
	112518			
33B6	0CFF4518	3483	DB	0CH,0FFH,'E',18H,0BH,0F1H,'V'
	0BF156			
33BD	180B1F75	3484	DB	18H,0BH,1FH,'u',18H,0CH,0FFH
	180CFF			
33C4	1E1F13F1	3485	DB	1EH,1FH,13H,0F1H,'>',1FH,0BH
	3E1F0B			
33CB	F15D1F0B	3486	DB	0F1H,'J',1FH,0BH,1FH,'u',1FH
	1F751F			
33D2	131F3E24	3487	DB	13H,1FH,'>4',0BH,1FH,'04'
	0B1F5124			
33DA	04FF5D24	3488	DB	4,0FFH,'J4',0BH,0F1H,1DH,'('
	0BF11D28			

33E2	140F3928 04FF6928 04	3489	DB	14H,0FH,'9(',4,0FFH,'i(',4
33EB	FF752814 F0442B0C	3490	DB	0FFH,'u(',14H,0F0H,'D+',0CH
33F3	00562B0C 001D2F14	3491	DB	0,'V+',0CH,0,1DH,'/',14H
33FB	01392F04 11692F04 11752F	3492	DB	1,'9/',4,11H,'i/',4,11H,'u/'
3406	14101E34 131F3934	3493	DB	14H,10H,1EH,'4',13H,1FH,'94'
340E	04FF4434 1E006934 04FF	3494	DB	4,0FFH,'D4',1EH,0,'i4',4,0FFH
3418	753413F1 253B0C11	3495	DB	'u4',13H,0F1H,'Z:',0CH,11H
3420	393B1011 513B0411 5D3B	3496	DB	'9:',10H,11H,'Q:',4,11H,'J:'
342A	1011753B 0C112540	3497	DB	10H,11H,'u:',0CH,11H,'Z@'
3432	07F13940 10FF5140 04	3498	DB	7,0F1H,'9@',10H,0FFH,'Q@',4
343B	FF5D4010 FF7A4007 1F	3499	DB	0FFH,'J@',10H,0FFH,'z@',7,1FH
3444	1E4707F1 39470411	3500	DB	1EH,'G',7,0F1H,'9G',4,11H
344C	45471C11 69470411 81	3501	DB	'EG',1CH,11H,'iG',4,11H,81H
3455	47071F1E 4C071F2D 4C	3502	DB	'G',7,1FH,1EH,'L',7,1FH,'-L'
345E	04FF454C 0BF1564C 0B	3503	DB	4,0FFH,'EL',0BH,0F1H,'VL',0BH
3467	1F754C04 FF814C07	3504	DB	1FH,'uL',4,0FFH,81H,'L',7
346F	F1255313 1F3E530B	3505	DB	0F1H,'Z5',13H,1FH,'>5',0BH
3477	F15D530B 1F6E5313	3506	DB	0F1H,'J5',0BH,1FH,'n5',13H
347F	F1255824 FF515804 FF	3507	DB	0F1H,'ZX\$',0FFH,'QX',4,0FFH
3488	5D5824FF 1E5F6AFF 00	3508	DB	'JX\$',0FFH,1EH,'_j',0FFH,0
		3509	L3491:	
3491	1D88BA34 2481C1	3510	DB	1DH,88H,0BAH,'4\$',81H,0C1H
3498	342580CC 342C79CF 343174	3511	DB	'4Z',80H,0CCH,'4,y',0CFH,'4it'



34A3	D234386D DD343D68 E8344461	3512	DB	0D2H,'48M',0DDH,'4=h',0E8H,'4Da'
34AF	F134495C F8345055 0135	3513	DB	0F1H,'41\','0F8H,'4PU',1,'5'
34B9	00021C36 104E1000	3514	DB	0,2,1CH,'6',10H,'N',10H,0
34C1	09021503 3D024902 55	3515	DB	9,2,15H,3,'=',2,'I',2,'U'
34CA	02004902 00420900 090215	3516	DB	2,0,'I',2,0,'B',9,0,9,2,15H
34D5	03210631 023D0E00 09	3517	DB	3,'!',6,'1',2,'=',0EH,0,9
34DE	02151231 023D0249	3518	DB	2,15H,12H,'1',2,'=',2,'I'
34E6	09001509 26013102 49	3519	DB	9,0,15H,9,'&',1,'1',2,'I'
34EF	09001502 2C084902 0009	3520	DB	9,0,15H,2,'',8,'I',2,0,9
34F9	0221023D 02550200 0209	3521	DB	2,'!',2,'=',2,'U',2,0,2,9
3503	1A093D02 4E0900	3522	DB	1AH,9,'=',2,'N',9,0
350A	03186635 07066A35 0B06	3523 L350A: 3524	DB	3,18H,'f5',7,6,'j5',0BH,6
3514	6A350F1A 76351306 7835	3525	DB	'j5',0FH,1AH,'v5',13H,6,'x5'
351E	17067835 1B148435	3526	DB	17H,6,'x5',1BH,14H,84H,'5'
3526	1F048C35 23048C35 27	3527	DB	1FH,4,8CH,'5#',4,8CH,'5''
352F	0294352B 0294352F 0294	3528	DB	2,94H,'5+',2,94H,'5/',2,94H
3539	35330294 35371A76 353B	3529	DB	'53',2,94H,'57',1AH,'v5:'
3543	066A353F 066A3543 16983547	3530	DB	6,'j5?',6,'j5C',16H,98H,'5G'
354F	069E354B 069E354F 14	3531	DB	6,9EH,'5K',6,9EH,'50',14H
3558	84355304 AA355704 AA	3532	DB	84H,'5S',4,0AAH,'5W',4,0AAH

3561	355B1A76 35200C58 0C	3533	DB	'5C',1AH,'v5 ',0CH,'X',0CH
356A	20013401 4C015801 70	3534	DB	' ',1,'4',1,'L',1,'X',1,'p'
3573	01840120 1A200134	3535	DB	1,84H,1,' ',1AH,' ',1,'4'
357B	01400164 01700184 01	3536	DB	1,'@',1,'d',1,'p',1,84H,1
3584	20064004 58047006 34	3537	DB	' ',6,'@',4,'X',4,'p',6,'4'
358D	014C0158 01700134 01	3538	DB	1,'L',1,'X',1,'p',1,'4',1
3596	70012003 34107C03	3539	DB	'p',1,' ',3,'4',10H,' ',3
359E	28013401 40016401 70	3540	DB	'(',1,'4',1,'@',1,'d',1,'p'
35A7	017C0120 014C0158 01	3541	DB	1,' ',1,' ',1,'L',1,'X',1
35B0	8401	3542	DB	84H,1
		3543	L35B2:	
35B2	1ED03526 DF3532E4	3544	DB	1EH,0D0H,'5&',0DFH,'52',0E4H
35BA	353EF335 4A023656 13	3545	DB	'5>',0F3H,'5J',2,'6V',13H
35C3	36622436 6E33367A 42368247 36010A	3546	DB	'6b46n36zB6',82H,'G6',1,0AH
35D2	0D0B1909 350A41	3547	DB	0DH,0BH,19H,9,'5',0AH,'A'
35D9	094D0A59 09004106 4D	3548	DB	9,'M',0AH,'Y',9,0,'A',6,'M'
35E2	0D00010E 0D0F1907	3549	DB	0DH,0,1,0EH,0DH,0FH,19H,7
35EA	290F350F 410B4D	3550	DB	'>',0FH,'5',0FH,'A',0BH,'M'
35F1	05000D0E 1909250A	3551	DB	5,0,0DH,0EH,19H,9,'%',0AH
35F9	2907350D 410E4D	3552	DB	'>',7,'5',0DH,'A',0EH,'M'
3600	09000106 0D0D1906 25	3553	DB	9,0,1,6,0DH,0DH,19H,6,'%'
3609	0D350E41 0D4D06	3554	DB	0DH,'5',0EH,'A',0DH,'M',6
3610	590D0001 0A0D0D19	3555	DB	'Y',0DH,0,1,0AH,0DH,0DH,19H
3618	0A250D35	3556	DB	0AH,'%',0DH,'5',0EH,'A',0DH

	0E410D			
361F	4D0A590D 000D0E	3557	DB	'M',0AH,'Y',0DH,0,0DH,0EH
3626	19052506 290B350D	3558	DB	19H,5,'Z',6,'')',0BH,'5',0DH
362E	410E4D05 00010E0D	3559	DB	'A',0EH,'M',5,0,1,0EH,0DH
3636	0F190B29 0F350F	3560	DB	0FH,19H,0BH,'')',0FH,'5',0FH
363D	41074D09 00410A4D	3561	DB	'A',7,'M',9,0,'A',0AH,'M'
3645	0D000106 0D071905 35	3562	DB	0DH,0,1,6,0DH,7,19H,5,'5'
364E	0641054D 06590500	3563	DB	6,'A',5,'M',6,'Y',5,0
		3564	L3656:	
3656	502D5025	3565	DB	'P-PZ'
		3566	L365A:	
365A	5025502D 462D5A2D	3567	DB	'PZP-F-Z-'
		3568	L3662:	
3662	0F74361F 80363386	3569	DB	0FH,'t6',1FH,80H,'63',86H
366A	363B9436 539E365F A8	3570	DB	'6:',94H,'65',9EH,'6_',0A8H
3673	36290135 02530371 04	3571	DB	'6)',1,'5',2,'S',3,'q',4
367C	79058806 35077108 88	3572	DB	'y',5,88H,6,'5',7,'q',8,88H
3685	09290A31 0B3C0C	3573	DB	9,'')',0AH,'1',0BH,'<',0CH
368C	680D740E 7D0F88	3574	DB	'h',0DH,'t',0EH,'')',0FH,88H
3693	10291138 126D13	3575	DB	10H,'')',11H,'8',12H,'m',13H
369A	7D148815 291638	3576	DB	'')',14H,88H,15H,'')',16H,'8'
36A1	176D187D 19881A	3577	DB	17H,'m',18H,'')',19H,88H,1AH
36A8	531B881C	3578	DB	'S',1BH,88H,1CH
		3579	L36AC:	
36AC	01010102 02020103 02030303 03	3580	DB	1,1,1,2,2,2,1,3,2,3,3,3,3
36B9	03030304 04050606 04040506 06	3581	DB	3,3,3,4,4,5,6,6,4,4,5,6,6
36C6	0406	3582	DB	4,6
		3583	L36C8:	
36C8	A837A837 02380A	3584	DB	0A8H,'7',0A8H,'7',2,'8',0AH



36CF	38A837A9 370238	3585	DB	'8',0A8H,'7',0A9H,'7',2,'8'
36D6	0C38A937 A937AC	3586	DB	0CH,'8',0A9H,'7',0A9H,'7',0ACH
36DD	37D237AA 37A937	3587	DB	'7',0D2H,'7',0AAH,'7',0A9H,'7'
36E4	04380838 AB37AA37	3588	DB	4,'8',8,'8',0ABH,'7',0AAH,'7'
36EC	06380E38 AB37AB	3589	DB	6,'8',0EH,'8',0ABH,'7',0ABH
36F3	37043810 38AC37	3590	DB	'7',4,'8',10H,'8',0ACH,'7'
36FA	A837D237 A837AD	3591	DB	0A8H,'7',0D2H,'7',0A8H,'7',0ADH
3701	37D237D1 370838	3592	DB	'7',0D2H,'7',0D1H,'7',8,'8'
3708	AE37AB37 08380838	3593	DB	0AEH,'7',0ABH,'7',8,'8',8,'8'
3710	AF37D337 093812	3594	DB	0AFH,'7',0D3H,'7',9,'8',12H
3717	38B437D8 370938	3595	DB	'8',0B4H,'7',0D8H,'7',9,'8'
371E	1238B937 DD3709	3596	DB	12H,'8',0B9H,'7',0DDH,'7',9
3725	38D237BD 37AD37	3597	DB	'8',0D2H,'7',0BDH,'7',0ADH,'7'
372C	08380838 BE37EA37	3598	DB	8,'8',8,'8',0BEH,'7',0EAH,'7'
3734	09380838 C237F637	3599	DB	9,'8',8,'8',0C2H,'7',0F6H,'7'
373C	09381238 C737FB	3600	DB	9,'8',12H,'8',0C7H,'7',0FBH
3743	37093812 38CC37	3601	DB	'7',9,'8',12H,'8',0CCH,'7'
374A	CC37CC37 D037CC	3602	DB	0CCH,'7',0CCH,'7',0D0H,'7',0CCH
3751	37CD37CC 37D037	3603	DB	'7',0CDH,'7',0CCH,'7',0D0H,'7'
3758	CD37CF37 01380138	3604	DB	0CDH,'7',0CFH,'7',1,'8',1,'8'
3760	CE370138 CE37D1	3605	DB	0CEH,'7',1,'8',0CEH,'7',0D1H
3767	37CE37CE 37CE37	3606	DB	'7',0CEH,'7',0CEH,'7',0CEH,'7'
376E	D137CC37 D037D0	3607	DB	0D1H,'7',0CCH,'7',0D0H,'7',0D0H
3775	371338CC 37D037	3608	DB	'7',13H,'8',0CCH,'7',0D0H,'7'
377C	D0371338 CF37CF	3609	DB	0D0H,'7',13H,'8',0CFH,'7',0CFH
3783	37CD3701 38CE37	3610	DB	'7',0CDH,'7',1,'8',0CEH,'7'
378A	D137D137 1538CE	3611	DB	0D1H,'7',0D1H,'7',15H,'8',0CEH
3791	37CE37D1 371538	3612	DB	'7',0CEH,'7',0D1H,'7',15H,'8'
3798	D037CF37	3613	DB	0D0H,'7',0CFH,'7',0D0H,'7',0D0H

	D037D0			
379F	37D137CF 37D137	3614	DB	'7',0D1H,'7',0CFH,'7',0D1H,'7'
37A6	D1370103 04050207 094A	3615	DB	0D1H,'7',1,3,4,5,2,7,9,'J'
37B0	0B10000C 4B0C10	3616	DB	0BH,10H,0,0CH,'K',0CH,10H
37B7	000C4A13 000E0C49	3617	DB	0,0CH,'J',13H,0,0EH,0CH,'I'
37BF	13000F4B 0E0A000C	3618	DB	13H,0,0FH,'K',0EH,0AH,0,0CH
37C7	4B0F0A00 0C0D0E	3619	DB	'K',0FH,0AH,0,0CH,0DH,0EH
37CE	10121113 064A0B	3620	DB	10H,12H,11H,13H,6,'J',0BH
37D5	10000D4B 0C100006	3621	DB	10H,0,0DH,'K',0CH,10H,0,6
37DD	4B0C0E0F 05060914	3622	DB	'K',0CH,0EH,0FH,5,6,9,14H
37E5	15191A00 0A4B0102	3623	DB	15H,19H,1AH,0,0AH,'K',1,2
37ED	070B1011 121617	3624	DB	7,0BH,10H,11H,12H,16H,17H
37F4	000A4B0E 0A00084B	3625	DB	0,0AH,'K',0EH,0AH,0,8,'K'
37FC	0F0A0B00 0D0F91	3626	DB	0FH,0AH,0BH,0,0DH,0FH,91H
3803	02870493 09080A92 06	3627	DB	2,87H,4,93H,9,8,0AH,92H,6
380C	92039308 93090B91	3628	DB	92H,3,93H,8,93H,9,0BH,91H
3814	0D9310	3629	DB	0DH,93H,10H
		3630	L3817:	
3817	37385538 59385B38 3F385638 55385C38 47385738 5A385638 4E385838 5A385938	3631	DB	'78U8Y8[C8?8V8U8\8G8W8Z8V8N8X8Z8Y8'
3837	8C111216 171B00	3632	DB	8CH,11H,12H,16H,17H,1BH,0
383E	148C1415 191A1C	3633	DB	14H,8CH,14H,15H,19H,1AH,1CH
3845	00169401 02030700 0C95	3634	DB	0,16H,94H,1,2,3,7,0,0CH,95H
384F	04050609 000C1516 11	3635	DB	4,5,6,9,0,0CH,15H,16H,11H
3858	13140C0D 10	3636	DB	13H,14H,0CH,0DH,10H
		3637	L385D:	
385D	65386638	3638	DB	'e8f8g8h8',17H,18H,19H,1AH

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67366838
1718191A
3639 L3869:
3869 0429011F 3640 DB 4,'')',1,1FH,'9#9',4,'')',19H
39233904
2919
3873 27392B39 3641 DB ''9+9',5,'A',1,'y=~:',5,'e'
05410179
3A7E3A05
65
3880 01793A7E 3642 DB 1,'y=~:',4,'')',1,1FH,'9#9'
3A047D01
1F392339
388C 0946252F 3643 DB 9,'FZ/989',0DH,'P',0DH,'A9N9'
3938390D
500D4139
4E39
389A 095E255B 3644 DB 9,'^Z[9d9',4,'')',19H,'''9+9'
39643904
7D192739
2B39
38A8 0822296D 3645 DB 8,'")m9u9',8,'~)m9u9',0AH
39753908
7E296D39
75390A
38B7 50357D39 3646 DB 'P5J9',87H,'9',7,'(5',91H
8739072B
3591
38C1 39983906 3647 DB '9',98H,'9',6,'D5',9FH,'9'
44359F39
38C9 A5390668 3648 DB 0A5H,'9',6,'h5',9FH,'9',0A5H
359F39A5
38D1 39077835 3649 DB '9',7,'x5',0ABH,'9',0B2H,'9'
AB39B239
38D9 093859B9 3650 DB 9,'8Y',0B9H,'9',0C2H,'9',0AH
39C2390A
38E1 5059CB39 3651 DB 'PY',0CBH,'9',0D5H,'9',9,'nY'
D539096E
59
38EA DF39E839 3652 DB 0DFH,'9',0EBH,'9',0BH,'(',19H
0B2819
38F1 F139FC39 3653 DB 0F1H,'9',0FCH,'9',0CH,'8',0DH
0C380D
38F8 073A133A 3654 DB 7,':',13H,':',0BH,'')',19H
0B7D19
38FF 1F3A2A3A 3655 DB 1FH,':~:',6,'')',1,'5:~:'
067D0135
3A3B3A
390A 09400141 3656 DB 9,'@',1,'A:J:',0AH,'PAS:J:'
3A4A3A0A
5041533A
5D3A
3918 092C4D67 3657 DB 9,'Mg:p:',8,2,4,1,4,2,8
3A703A08
02040104
0208
3926 01080104 3658 DB 1,8,1,4,2,4,1,8,2,8,1,4,1
    
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	02040108			
	02080104			
	01			
3933	04020208	3659	DB	4,2,2,8,1,4,2,4,1,1,8,2,8
	01040204			
	01010802			
	08			
3940	02080802	3660	DB	2,8,8,2,4,2,4,4,2,4,1,1,8
	04020404			
	02040101			
	08			
394D	08040402	3661	DB	8,4,4,2,8,2,8,8,2,8,1,1,4
	08020808			
	02080101			
	04			
395A	04080208	3662	DB	4,8,2,8,1,1,4,2,4,2,4,1,8
	01010402			
	04020401			
	08			
3967	01080202	3663	DB	1,8,2,2,4,1,8,2,8,8,8,8,8
	04010802			
	08080808			
	08			
3974	01040204	3664	DB	1,4,2,4,4,4,4,4,1,8,8,1,1
	04040404			
	01080801			
	01			
3981	04040402	3665	DB	4,4,4,2,2,8,4,4,1,1,8,8,8
	02080404			
	01010808			
	08			
398E	02020408	3666	DB	2,2,4,8,2,2,4,1,4,1,4,2,8
	02020401			
	04010402			
	08			
399B	02080101	3667	DB	2,8,1,1,8,2,4,4,1,8,4,4,2
	08020404			
	01080404			
	02			
39A8	08080108	3668	DB	8,8,1,8,2,4,2,4,1,1,4,2,2
	02040204			
	01010402			
	02			
39B5	08010801	3669	DB	8,1,8,1,8,1,4,1,4,2,4,4,2
	08010401			
	04020404			
	02			
39C2	04010808	3670	DB	4,1,8,8,1,8,2,8,2,8,1,8,1
	01080208			
	02080108			
	01			
39CF	04040402	3671	DB	4,4,4,2,8,2,4,1,4,1,8,8,8
	08020401			
	04010808			
	08			
39DC	02040208	3672	DB	2,4,2,8,1,4,4,1,4,2,4,2,4
	01040401			

	04020402			
	04			
39E9	01080108	3673	DB	1,8,1,8,2,8,8,2,8,2,8,1,8
	02080802			
	08020801			
	08			
39F6	01040104	3674	DB	1,4,1,4,4,2,4,1,8,8,2,8,2
	04020401			
	08080208			
	02			
3A03	04020401	3675	DB	4,2,4,1,8,8,8,8,8,1,4,2,4
	08080808			
	08010402			
	04			
3A10	01040204	3676	DB	1,4,2,4,1,8,2,8,1,8,2,4,4
	01080208			
	01080204			
	04			
3A1D	04040801	3677	DB	4,4,8,1,4,4,2,4,2,8,2,8,1
	04040204			
	02080208			
	01			
3A2A	04020401	3678	DB	4,2,4,1,4,1,8,1,8,8,2,8,2
	04010801			
	08080208			
	02			
3A37	02040101	3679	DB	2,4,1,1,4,2,2,8,1,1,8,2,4
	04020208			
	01010802			
	04			
3A44	04010402	3680	DB	4,1,4,2,8,1,4,2,4,1,8,2,8
	08010402			
	04010802			
	08			
3A51	08010808	3681	DB	8,1,8,8,2,4,2,4,1,4,1,8,4
	02040204			
	01040108			
	04			
3A5E	04020802	3682	DB	4,2,8,2,8,1,8,1,4,8,1,8,2
	08010801			
	04080108			
	02			
3A6B	08020401	3683	DB	8,2,4,1,8,4,4,2,8,1,4,1,4
	08040402			
	08010401			
	04			
3A7B	02080204	3684	DB	2,8,2,4,4,1,4,2,8,8,1
	04010402			
	080801			
		3685 L3A83:		
3A83	00010003	3686	DB	0,1,0,3,0,5,0,7,0,10H,0,' '
	00050007			
	00100020			
3A8F	00300050	3687	DB	0,'0',0,'P'
		3688 L3A93:		
3A93	0002A33A	3689	DB	0,2,0A3H,':',0,4,0B7H,':',0
	0004B73A			

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00
3A9C 08CB3A00 3690 DB 8,0CBH,':',0,16H,0DFH,':',5
16DF3A05
3AA4 45454004 3691 DB 'EEE',4,'DDE',0,'DDE',1,'DDE'
44444000
44444001
444440
3AB3 05454540 3692 DB 5,'EEE',4,'EEE',4,'DDE',5
04454540
04444440
05
3AC0 44444000 3693 DB 'DDE',0,'DDE',0,'EEE',5,'EEE'
44444000
45454005
454540
3ACF 04444440 3694 DB 4,'DDE',5,'DDE',4,'DDE',5
05444440
04444440
05
3ADC 45454011 3695 DB 'EEE',11H,'QQP',11H,1,11H
51515011
0111
3AE6 10115111 3696 DB 10H,11H,'Q',11H,10H,11H,11H
101111
3AED 11101151 3697 DB 11H,10H,11H,'QQP'
5150
3AF3 00000000 3698 L3AF3:
00000000 3699 DB 0,0,0,0,0,0,0,0,0,0,0,0,0
00000000
00
3B00 00000000 3700 DB 0,0,0,0,0,0,0
000000
3B07 80FFFF40 3701 L3B07:
40804040 3702 DB 80H,0FFH,0FFH,'@',80H,'@'
3B0F 80404080 3703 DB 80H,'@',80H,' ',1
202001
3B16 FFFFFFFF 3704 L3B16:
3705 DB 0FFH,0FFH,0FFH
3706 L3B19:
3B19 2007F700 3707 DB ' ',7,0F7H,0,84H,7,10H,1,' '
84071001
20
3B22 43570A84 3708 DB 'CW',0AH,84H,'Cp',0AH
43760A
3B29 000FFFC0 3709 L3B29:
3710 DB 0,0FH,0FFH,0C0H
3711 L3B2D:
3B2D 03FFF000 3712 DB 3,0FFH,0F0H,0,0FFH,0FCH,0,'?'
FFFC003F
3B35 90407060 3713 DB 90H,'@p',0,2,0C0H,0,80H,'B'
0002C000
8038
3B3F 80780002 3714 DB 80H,'x',0,2,0C0H,0,'p0',80H
C0067030
80

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3B48	800002C0 00602B80 88	3715	DB	80H,0,2,0C0H,0,'(' ,80H,88H
3B51	0002C000 5028B0BC 00	3716	DB	0,2,0C0H,0,'P(' ,0B0H,0BCH,0
3B5A	02C00070 28B0BC00 02	3717	DB	2,0C0H,0,'p(' ,0B0H,0BCH,0,2
3B63	C000280A E0FBFA	3718	DB	0C0H,0,'(' ,0AH,0E0H,0FBH,0FAH
3B6A	005A0028 0AE0FBFA	3719	DB	0,'Z',0,'(' ,0AH,0E0H,0FBH,0FAH
3B72	005A0028 00E0FBFA	3720	DB	0,'Z',0,'(' ,0,0E0H,0FBH,0FAH
3B7A	005A0050 00E0FBFA	3721	DB	0,'Z',0,'P',0,0E0H,0FBH,0FAH
3B82	005A001E 00E0FBFA	3722	DB	0,'Z',0,1EH,0,0E0H,0FBH,0FAH
3B8A	005A001C 00E0FBFA	3723	DB	0,'Z',0,1CH,0,0E0H,0FBH,0FAH
3B92	00500014 00E0FBFA	3724	DB	0,'P',0,14H,0,0E0H,0FBH,0FAH
3B9A	0050000A 00E0FBFA	3725	DB	0,'P',0,0AH,0,0E0H,0FBH,0FAH
3BA2	0050000A 00E0FBFA	3726	DB	0,'P',0,0AH,0,0E0H,0FBH,0FAH
3BAA	00460008 00E0FBFA 00	3727	DB	0,'F',0,8,0,0E0H,0FBH,0FAH,0
3BB3	46000800 E0FBFA00 46	3728	DB	'F',0,8,0,0E0H,0FBH,0FAH,0,'F'
3BBC	000800E0 FBFA003C 00	3729	DB	0,8,0,0E0H,0FBH,0FAH,0,'<',0
3BC5	0800E0F8 FA003C00 08	3730	DB	8,0,0E0H,0FBH,0FAH,0,'<',0,8
3BCE	00E0FBFA 003C0008 00	3731	DB	0,0E0H,0FBH,0FAH,0,'<',0,8,0
3BD7	D0E8FA00 5A000800 D0	3732	DB	0D0H,0E8H,0FAH,0,'Z',0,8,0,0D0H
3BE0	E8FA005A 00	3733	DB	0E8H,0FAH,0,'Z',0
		3734	:	
		3735	:	Game Colors
		3736	:	
		3737	:	L3BE5:
3BE5	F6	3738	DB	246 ; COL3L
3BE6	52	3739	DB	82 ; COL2L
3BE7	7F	3740	DB	127 ; COL1L
3BE8	00	3741	DB	0 ; COL0L
3BE9	00	3742	DB	0 ; COL3R
3BEA	00	3743	DB	0 ; COL2R

3BEB	00	3744	DB	0	:	COL1R
3BEC	00	3745	DB	0	:	COL0R
		3746	L3BED:			
3BED	00000000	3747	DB	0,0,0,0,0FFH,1,0,1,2,0,1,2		
	FF010001					
	02000102					
3BF9	FF0004FF	3748	DB	0FFH,0,4,0FFH,0,4,0FFH,0,4,0		
	0004FF00					
	0400					
3C03	FF010100	3749	DB	0FFH,1,1,0,8,1,0,8,1,0,8,0		
	08010008					
	01000800					
3C0F	FF01FF00	3750	DB	0FFH,1,0FFH,0,4,0,0FFH,1,0,1		
	0400FF01					
	0001					
3C19	02000102	3751	DB	2,0,1,2		
		3752	L3C1D:			
3C1D	01020201	3753	DB	1,2,2,1,4,8,8,4,0,0		
	04080804					
	0000					
		3754	L3C27:			
3C27	08000818	3755	DB	8,0,8,18H,8,'0',8,'H'		
	08300848					
		3756	L3C2F:			
3C2F	50252050	3757	DB	'P% P-',1,'G-',1,'Y-',1,0B9H		
	2D01472D					
	01592D01					
	B9					
3C3C	3C	3758	DB	'<'		
		3759	L3C3D:			
3C3D	593C653C	3760	DB	'Y<e<q<q<J<J<',89H,'<',89H		
	713C713C					
	7D3C7D3C					
	893C89					
3C4C	3C953C95	3761	DB	'<',95H,'<',95H,'<',0A1H,'<'		
	3CA13C					
3C53	A13CAD3C	3762	DB	0A1H,'<',0ADH,'<',0ADH,'<',1		
	AD3C01					
3C5A	00005000	3763	DB	0,0,'P',0,10H,0,'D',2,8AH		
	10004402					
	8A					
3C63	028A0088	3764	DB	2,8AH,0,88H,2,0AAH,2,0AAH,2		
	02AA02AA					
	02					
3C6C	AA00A800	3765	DB	0AAH,0,0A8H,0,' ',0,'0',0,'t'		
	20003000					
	74					
3C75	01550155	3766	DB	1,'U',1,'U',1,'U',0,'T',0		
	01550054					
	00					
3C7E	3000B802	3767	DB	'0',0,0B8H,2,0AAH,2,0AAH,2,0AAH		
	AA02AA02					
	AA					
3C87	00A8003C	3768	DB	0,0A8H,0,'<',0,0FFH,0,0FFH,0		
	00FF00FF					
	00					
3C90	FF00FF00	3769	DB	0FFH,0,0FFH,0,'<',3,'#',3,'g'		

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3C032303
67
3C99 03670367 3770 DB 3,'g',3,'g',0,0ECH,0,'0',0
00EC0030
00
3CA2 10005401 3771 DB 10H,0,'T',1,'U',1,'U',1,'U'
55015501
55
3CAB 00540030 3772 DB 0,'T',0,'0',0,0CCH,0,10H,0
00CC0010
00
3CB4 15001000 3773 DB 15H,0,10H,0,15H
15
3CB9 00000000 3774 L3CB9:
00000000 3775 DB 0,0,0,0,0,0,0,0,0,0,0,0
00000000
3CC5 E53CF13C 3776 L3CC5:
E53CF1 3777 DB 0E5H,'< ',0F1H,'< ',0E5H,'< ',0F1H
3CCC 3CFD3C09 3778 DB '< ',0FDH,'< ',9,'=' ,0FDH,'< '
3DFD3C
3CD3 093D153D 3779 DB 9,'=' ,15H,'!=' ,15H,'!=='9==9='
213D153D
213D2D3D
393D2D3D
393D
3CE5 00002A80 3780 DB 0,0,'*',80H,0AAH,0A0H,0AAH,0A0H
AAA0AAA0
3CED AAA08880 3781 DB 0AAH,0A0H,88H,80H,0,0,'*',80H
00002A80
3CF5 AAA0AAA0 3782 DB 0AAH,0A0H,0AAH,0A0H,0AAH,0A0H,''' '
AAA02220
3CFD 00003FC0 3783 DB 0,0,'?',0C0H,0EAH,0B0H,0EAH,0B0H
EAB0EAB0
3D05 EAB0CCC0 3784 DB 0EAH,0B0H,0CCH,0C0H,0,0,'?',0C0H
00003FC0
3D0D EAB0EAB0 3785 DB 0EAH,0B0H,0EAH,0B0H,0EAH,0B0H,'30'
EAB03330
3D15 00001540 3786 DB 0,0,15H,'@UPUPUP@',0,0,15H
55505550
55504440
000015
3D24 40555055 3787 DB '@UPUPUP',11H,10H,0,0,'?'
50555011
1000003F
3D30 C0FFF0FF 3788 DB 0C0H,0FFH,0F0H,0FFH,0F0H,0FFH,0F0H
F0FFF0
3D37 CCC00000 3789 DB 0CCH,0C0H,0,0,'?',0C0H,0FFH,0F0H
3FC0FFF0
3D3F FFF0FFF0 3790 DB 0FFH,0F0H,0FFH,0F0H,'30'
3330
3D45 00003FC0 3791 L3D45:
C8B0C8B0 3792 DB 0,0,'?',0C0H,0CBH,0B0H,0CBH,0B0H
3D4D C030FFC0 3793 DB 0C0H,'0',0FFH,0C0H
3794 L3D51:

```



3D51	00000000 28A028A0 00	3795	DB	0,0,0,0,'(',')0A0H,'(',')0A0H,0
3D5A	000000	3796	DB	0,0,0
		3797	L3D5D:	
3D5D	026D3D02 793D0285 3D02	3798	DB	2,'m=',2,'y=',2,85H,'=',2
3D67	913D809D 3D000500	3799	DB	91H,'=',80H,9DH,'=',0,5,0
3D6F	15405550 55501540 050000	3800	DB	15H,'@UPUP',15H,'@',5,0,0
3D7A	00104055 50555015 400500	3801	DB	0,10H,'@UPUP',15H,'@',5,0
3D85	00000000 50505550 154005	3802	DB	0,0,0,0,'PPUP',15H,'@',5
3D90	00000000 00000005 001540	3803	DB	0,0,0,0,0,0,0,5,0,15H,'@'
3D9B	05000000 10100440 0000	3804	DB	5,0,0,0,10H,10H,4,'@',0,0
3DA5	04401010	3805	DB	4,'@',10H,10H
		3806	L3DA9:	
3DA9	23204F46 20504C41 59455253 00	3807	DB	'# OF PLAYERS',0
3DB6	<del>5041432B</del> <del>4B414E00</del>	3808	L3DB6:	
		3809	DB	<b>MUNCHER</b> <del>'PAC MAN',0</del>
		3810	L3DBE:	
3DBE	47414D45 204F5645 5200	3811	DB	'GAME OVER',0
		3812	L3DC8:	
3DC8	504C4159 455200	3813	DB	'PLAYER',0
		3814	L3DCF:	
3DCF	1000	3815	DB	10H,0
		3816	L3DD1:	
3DD1	5000	3817	DB	'P',0
		3818	L3DD3:	
3DD3	0C1E1E0C	3819	DB	0CH,1EH,1EH,0CH
		3820	L3DD7:	
3DD7	0F3E033E F73D033E 273E	3821	DB	0FH,'>',3,'>',0F7H,'=',3,'>'>'>'
3DE1	1B3EF73D 1B3E3F3E 333E	3822	DB	1BH,'>',0F7H,'=',1BH,'>'>'>'>'
3DEB	F73D333E 573E4B3E F73D4B3E	3823	DB	0F7H,'=3>W>K>',0F7H,'=K>',5

3DF8	05 00154055 50555015 400500	3824	DB	0,15H,'@UPUP',15H,'@',5,0
3E03	00001040 50505550 154005	3825	DB	0,0,10H,'@PPUP',15H,'@',5
3E0E	00000000 00401050 5015	3826	DB	0,0,0,0,0,'@',10H,'PP',15H
3E18	40050005 00154055 50505010	3827	DB	'@',5,0,5,0,15H,'@UPPP',10H
3E24	40000005 00154050 504010	3828	DB	'@',0,0,5,0,15H,'@PPE',10H
3E2F	00000000 05001540 0150	3829	DB	0,0,0,0,5,0,15H,'@',1,'P'
3E39	01501540 05000500 0140	3830	DB	1,'P',15H,'@',5,0,5,0,1,'@'
3E43	00500050 01400500 0500	3831	DB	0,'P',0,'P',1,'@',5,0,5,0
3E4D	15405400 54001540	3832	DB	15H,'@T',0,'T',0,15H,'@'
3E55	05000500 14005000 5000	3833	DB	5,0,5,0,14H,0,'P',0,'P',0
3E5F	14000500 04040101 08080802	3834	DB	14H,0,5,0,4,4,1,1,8,8,8,2
3E6B	02040802 02040104 01150098	3835	DB	2,4,8,2,2,4,1,4,1,15H,0,98H
3E77	39040208 02080101 08020404	3836	DB	'9',4,2,8,2,8,1,1,8,2,4,4
3E83	01080404 02080801 08021500	3837	DB	1,8,4,4,2,8,8,1,8,2,15H,0
3E8F	AD390402 04010104 020208	3838	DB	0ADH,'9',4,2,4,1,1,4,2,2,8
3E9A	01080108 01040104 02040402 15	3839	DB	1,8,1,8,1,4,1,4,2,4,4,2,15H
3EA7	00C23904 01080801 080208	3840	DB	0,0C2H,'9',4,1,8,8,1,8,2,8
3EB2	02080108 01040404 02080204 01	3841	DB	2,8,1,8,1,4,4,4,2,8,2,4,1
3EBF	1500D739	3842	DB	15H,0,0D7H,'9',4,1,8,8,8,2

	04010808			
	0802			
3EC9	04020801	3843	DB	4,2,8,1,4,4,1,4,2,4,2,4,1
	04040104			
	02040204			
	01			
3ED6	08011500	3844	DB	8,1,15H,0,0ECH,'9',8,2,8,8
	EC390802			
	0808			
3EE0	02080208	3845	DB	2,8,2,8,1,8,1,4,1,4,4,2,4
	01080104			
	01040402			
	04			
3EED	01080802	3846	DB	1,8,8,2,15H,0,1,':',8,2,4
	1500013A			
	080204			
3EF8	02040108	3847	DB	2,4,1,8,8,8,8,8,1,4,2,4,1
	08080808			
	01040204			
	01			
3F05	04020401	3848	DB	4,2,4,1,8,15H,0,16H,':',2
	08150016			
	3A02			
3F0F	08010802	3849	DB	8,1,8,2,4,4,4,4,8,1,4,4,2
	04040404			
	08010404			
	02			
3F1C	04020802	3850	DB	4,2,8,2,8,1,4,15H,0,'++'
	08010415			
	002B3A			
3F27	02040104	3851	DB	2,4,1,4,1,8,1,8,8,2,8,2,2
	01080108			
	08020802			
	02			
3F34	04010104	3852	DB	4,1,1,4,2,2,8,1,15H,0,'@:'
	02020801			
	1500403A			
3F40	01080204	3853	DB	1,8,2,4,4,1,4,2,8,1,4,2,4
	04010402			
	08010402			
	04			
3F4D	01080208	3854	DB	1,8,2,8,8,1,8,8,15H,0,'U:'
	08010808			
	1500553A			
3F59	02040204	3855	DB	2,4,2,4,1,4,1,8,4,4,2,8,2
	01040108			
	04040208			
	02			
3F66	08010801	3856	DB	8,1,8,1,4,8,1,8,15H,0,'j:'
	04080108			
	15006A3A			
3F72	02080204	3857	DB	2,8,2,4,1,8,4,4,2,8,1,4,1
	01080404			
	02080104			
	01			
3F7F	04020802	3858	DB	4,2,8,2,4,4,1,4,15H,0,7FH
	04040104			



3F8A	15007F 3A020808 01000100 03000500	3859	DB	'::,2,8,8,1,0,1,0,3,0,5,0
3F96	07001000 20003000 50	3860	DB	7,0,10H,0,' ',0,'0',0,'P'
3F9F	00150094 3A02A33A	3861	DB	0,15H,0,94H,'::,2,0A3H,'::'
3FA7	0004B73A 0008CB3A 00	3862	DB	0,4,0B7H,'::,0,8,0CBH,'::,0
3FB0	16DF3A05 45454004 44	3863	DB	16H,0DFH,'::,5,'EE@',4,'D'
3FB9	1500A93A 44400044 444001	3864	DB	15H,0,0A9H,':D@',0,'DD@',1
3FC4	44444005 45454004 45454004 4444	3865	DB	'DD@',5,'EE@',4,'EE@',4,'DD'
3FD2	1500BE3A 40054444 4000	3866	DB	15H,0,0BEH,':@',5,'DD@',0
3FDC	44444000 45454005 45454004 444440	3867	DB	'DD@',0,'EE@',5,'EE@',4,'DD@'
3FEB	1500D33A 05444440 04444440	3868	DB	15H,0,0D3H,'::,5,'DD@',4,'DD@'
3FF7	05454540 11515150 11	3869	DB	5,'EE@',11H,'00P',11H
4000	(0023)	3870	DS	0023H
4023	(00E5)	3871 L4023:	DS	00E5H
4108	(00AB)	3872	DS	00E5H
41B3	(0003)	3873 L4108:	DS	00ABH
41B6	(0001)	3874	DS	00ABH
41B7	(0027)	3875 L41B3:	DS	0003H
41DE	(0001)	3876	DS	0003H
41DF	(0027)	3877 L41B6:	DS	0001H
4206	(0001)	3878	DS	0001H
4207	(0027)	3879 L41B7:	DS	0027H
422E	(0001)	3880	DS	0027H
		3881 L41DE:	DS	0001H
		3882	DS	0001H
		3883 L41DF:	DS	0027H
		3884	DS	0027H
		3885 L4206:	DS	0001H
		3886	DS	0001H
		3887 L4207:	DS	0027H
		3888	DS	0027H
		3889 L422E:	DS	0027H
		3890	DS	0001H
		3891 L422F:	DS	0001H

422F (0027)	3892	DS	0027H
	3893 L4256:		
4256 (0001)	3894	DS	0001H
	3895 L4257:		
4257 (0027)	3896	DS	0027H
	3897 L427E:		
427E (0001)	3898	DS	0001H
	3899 L427F:		
427F (0024)	3900	DS	0024H
	3901 L42A3:		
42A3 (0003)	3902	DS	0003H
	3903 L42A6:		
42A6 (0028)	3904	DS	0028H
	3905 L42CE:		
42CE (0028)	3906	DS	0028H
	3907 L42F6:		
42F6 (0001)	3908	DS	0001H
	3909 L42F7:		
42F7 (0027)	3910	DS	0027H
	3911 L431E:		
431E (0028)	3912	DS	0028H
	3913 L4346:		
4346 (0001)	3914	DS	0001H
	3915 L4347:		
4347 (0027)	3916	DS	0027H
	3917 L436E:		
436E (0001)	3918	DS	0001H
	3919 L436F:		
436F (0027)	3920	DS	0027H
	3921 L4396:		
4396 (0028)	3922	DS	0028H
	3923 L43BE:		
43BE (0028)	3924	DS	0028H
	3925 L43E6:		
43E6 (0028)	3926	DS	0028H
	3927 L440E:		
440E (0001)	3928	DS	0001H
	3929 L440F:		
440F (0027)	3930	DS	0027H
	3931 L4436:		
4436 (0028)	3932	DS	0028H
	3933 L445E:		
445E (0001)	3934	DS	0001H
	3935 L445F:		
445F (0027)	3936	DS	0027H
	3937 L4486:		
4486 (0001)	3938	DS	0001H
	3939 L4487:		
4487 (0027)	3940	DS	0027H
	3941 L44AE:		
44AE (0001)	3942	DS	0001H
	3943 L44AF:		
44AF (0027)	3944	DS	0027H
	3945 L44D6:		
44D6 (0001)	3946	DS	0001H
	3947 L44D7:		
44D7 (0027)	3948	DS	0027H

```

3949 L44FE:
44FE (0028) 3950 DS 0028H
3951 L4526:
4526 (0009) 3952 DS 0009H
3953 L452F:
452F (001F) 3954 DS 001FH
3955 L454E:
454E (0001) 3956 DS 0001H
3957 L454F:
454F (0027) 3958 DS 0027H
3959 L4576:
4576 (0028) 3960 DS 0028H
3961 L459E:
459E (00C5) 3962 DS 00C5H
3963 L4663:
4663 (01F9) 3964 DS 01F9H
3965 L485C:
485C (044C) 3966 DS 044CH
3967 ; BOTTOM OF MUSIC STACK
3968 L4CAB:
4CAB (0023) 3969 DS 0023H
3970 L4CCB:
4CCB (0234) 3971 DS 0234H
3972 L4EFF:
4EFF (0001) 3973 DS 0001H
3974 L4F00:
4F00 (000D) 3975 DS 000DH
3976 L4F0D:
4F0D (003F) 3977 DS 003FH
3978 L4F4C:
4F4C (0015) 3979 DS 0015H
3980 NUMPLR:
4F61 (009F) 3981 DS 009FH
5000 (0000) 3982 END
    
```

; Number of players

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Errors      0
Range Count 8
Parity Count 0
Z80 Count  709
    
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## CROSS REFERENCE LISTING

\$00	0001	1153 1166 1211 1220 1334 1491 1588 1593 1596 1604 1640 1674 1739 1863 1938 1987 2000 2039 2144 2162 2221 2241 2460 2499 2540 2551 2568 2571 2582 2641 2642 2737 2746 2814 2984 3012 3038 3083 3167
\$01	0002	0779 0784 0870 0874 0926 0964 0977 0978 0997 1196 1199 1227 1279 1308 1396 1459 1463 1467 1468 1483 1657 1684 1871 1877 1894 1896 1947 1948 1952 2011 2058 2084 2189 2195 2224 2260 2293 2429 2473 2616 2618 2726 2760 2766 2774 2796 2803 2819 2895 2901 2997 3015 3066
\$02	0003	0892 0959 0966 0979 0981 1063 1151 1164 1286 1303 1312 1398 1510 1626 1722 1775 1795 1875 1898 1936 1950 2055 2118 2119 2170 2175 2269 2376 2432 2445 2479 2509 2619 2694 2792 2797 2825 2919 2928 2985 3000 3076 3079 3100 3151 3188 3196 3203 3210 3234
\$03	0004	0828 0911 0915 0933 0939 0967 0980 1068 1426 1519 1802 1823 1829 1919 1925 1971 2067 2097 2109 2150 2171 2393 2446 2455 2510 2516 2620 2695 2732 2769 2787 2794 2800 2801 2826 2920 2981 3124
\$04	0005	0828 0917 0940 0942 0968 0972 0983 0998 1037 1054 1238 1300 1427 1472 1479 1515 1533 1553 1581 1615 1632 1679 1727 1749 1867 1943 2111 2123 2127 2141 2323 2420 2451 2504 2528 2698 2716 2783 2894 2924 3018 3020 3022 3052 3253
\$05	0006	0786 0914 1055 1430 2452 2505 2529 2589 2597 2609 2654 2861 2863 3024 3049 3121
\$06	0007	0814 0930 1000 1005 1061 1431 1623 2453 2488 2513
\$07	0008	0931 1062 1177 1191 1439 1454 1682 2680 2869 3138
\$08	0009	1195 1198 1458 1462 1772 1806 1813 1869 1945 2153 2370 2378 2423 2599 2992 3065 3158
\$09	0010	0961 0994 1111 1113 1130 1158 1175 1296 1437 1992 2366 2418 2945 2948
\$0A	0011	0962 0995 1110 1114 1131 1148 1153 1176 1297 1327 1438 1487 1982 1987 2417 2421 2946 2949 3093 3181 3223 3266
\$0B	0012	1115 1118 1132 1171 1193 1298 1456 2005 2427 2950 2953
\$0C	0013	0854 1116 1119 1133 1161 1166 1194 1299 1457 1827 1916 1928 1995 2000 2326 2426 2430 2951 2954
\$0D	0014	0982 1041 1241 1243 1263 1264 1265 1271 1293 1322 1323 1326 1330 1332 1333 1336 1393 1394 1410 1424 1464 1481 1487 1622 1841 1886 1972 2053 2257 2394 2396 2770 2772 2927 2930 2931 3204
\$0E	0015	0996 1275 1305 1397 1489 1836 1865 1903 2675 3077
\$0F	0016	0997 1082 1278 1399 1490 1686 1839 1843 1872 1895 2151 2587 3135 3259
\$10	0017	1079 1267 1282 1284 1288 1307 1317 1334 1417 1423 1491 1672 1779 1797 2085 2116 2179 2344 2441 3154 3164 3263
\$11	0018	1295 1390 1392 1415
\$12	0019	0985 1311 1340 1635 1935
\$13	0020	0998 1300 1337 1847 1963 2008 2268 2935 2944
\$14	0021	1403 1406 1409 2569
\$15	0022	3149
\$16	0023	1825
\$17	0024	1184 1187 1447 1450
\$18	0025	2676 3183 3197
\$19	0026	1630
\$1B	0027	
\$1D	0028	1606 1618 1708
\$1E	0029	1512 1518 2786
\$1F	0030	3101
\$20	0031	
\$22	0032	1678
\$23	0033	
\$24	0034	2549
\$25	0035	2261
\$27	0036	
\$28	0037	0936 1664 2546 2601 2638 2642 2682 2882 2883
\$29	0038	2059 2587 2688 2804 2963 2964

#2B	0039			
#2C	0040	3280		
#2E	0041	3192		
#30	0042			
#31	0043	3189		
#32	0044	1272	2062	
#33	0045			
#34	0046	2807		
#35	0047	2761		
#36	0048			
#37	0049			
#38	0050			
#39	0051			
#3A	0052			
#3B	0053			
#3D	0054			
#3F	0055	1389	2555	
#40	0056	1020	1354	2921
#41	0057	0964		
#44	0058	2258	2264	2685
#45	0059			
#47	0060			
#48	0061			
#4A	0062	3026		
#4B	0063			
#4C	0064	0869	2886	
#4D	0065			
#50	0066	0963	2637	2638
#51	0067	2764		
#52	0068			
#53	0069			
#56	0070			
#57	0071			
#58	0072			
#59	0073			
#5D	0074	2266		
#5F	0075			
#60	0076	2570	2932	
#61	0077	3159		
#62	0078			
#64	0079	0873		
#68	0080			
#69	0081			
#6A	0082			
#6E	0083			
#71	0084	2809		
#75	0085			
#76	0086	2064		
#78	0087			
#7A	0088			
#7D	0089	0996		
#80	0090	0994	1296	2611 2657 2871 2913
#81	0091			
#82	0092	1189	1452	
#83	0093	1182	1445	
#88	0094			
#8C	0095	2567		

\$92	0096	
\$94	0097	
\$96	0098	1554
\$98	0099	
\$9C	0100	2884
\$9E	0101	
\$A8	0102	
\$AA	0103	3091 3179
\$AF	0104	
\$B0	0105	
\$B8	0106	3230
\$BA	0107	
\$C0	0108	2106 2121 2146 2192
\$C1	0109	
\$C8	0110	1556
\$CD	0111	
\$CF	0112	2605
\$DF	0113	
\$EA	0114	0937 2601
\$EC	0115	2585 2614
\$F0	0116	1585 2098 3256
\$F1	0117	1804
\$F3	0118	
\$F6	0119	1811
\$F7	0120	
\$FC	0121	
\$FE	0122	2219 2778
\$FF	0123	0962 0995 1297 1547 1974 2120 2592 2758 2889
A0	0600	
A1	0612	
A2	0624	
A3	0636	
A4	0648	
A5	0654	
ACTINT	0344	0345
ALKEYS	0149	
AS0	0601	
AS1	0613	
AS2	0625	
AS3	0637	3382
B0	0602	
B1	0614	
B2	0626	
B3	0638	3384 3449 3453 3467 3471
BCDADD	0400	0401
BCDCHS	0404	0405
BCDDIV	0403	0404
BCDMUL	0402	0403
BCDNEG	0405	0406
BCDSUB	0401	0402
BEGRAM	0689	0739
BITSPL	0142	
BLANK	0364	0365
BMUSIC	0349	0350 1012 1013
BYTEPL	0141	
C1	0603	
C2	0615	



C3	0627								
C4	0639	3355	3359	3373	3377	3386	3390	3394	
C5	0649								
C6	0655								
C7	0658								
CBA	0233								
CBB	0231								
CBC	0230								
CBD	0229								
CBE	0228								
CBFLAG	0232								
CBH	0235								
CBIXH	0227								
CBIXL	0226								
CBIYH	0225								
CBIYL	0224								
CBL	0234								
CHDOWN	0220								
CHLEFT	0219								
CHRDIS	0369	0370							
CHRIGHT	0218								
CHTRIG	0217								
CHUP	0221								
CNT	0709								
COL0L	0280								
COL0R	0276								
COL1L	0281								
COL1R	0277								
COL2L	0282								
COL2R	0278								
COL3L	0283	1805	1812						
COL3R	0279								
COLBX	0284								
COLLST	0720								
COLSET	0355	0356	0805	0806					
CONCM	0303								
CS1	0604								
CS2	0616								
CS3	0628								
CS4	0640	3396							
CS5	0650								
CT0	0699								
CT1	0700								
CT2	0701								
CT3	0702								
CT4	0703								
CT5	0704								
CT6	0705								
CT7	0706								
CTIMER	0146								
D1	0605	3377	3382	3384	3386	3390	3449	3453	3471
D2	0617								
D3	0629								
D4	0641	3398	3402	3441	3445	3459	3463		
DABS	0408	0409							
DADD	0406	0407							
DECCTS	0345	0348							



## CROSS REFERENCE LISTING

GSBSCR 0163  
GSBTIM 0162  
GTMINS 0727  
GTSECS 0726  
HORAF 0310  
HORCB 0285 0794  
HUMANR 0379 0380  
INCSCR 0390 0393  
INDEXB 0397 0398  
INDEXN 0394 0395  
INDEXW 0396 0397  
INFBK 0300 0798  
INLIN 0302 0792  
INMOD 0301 0796  
INTPC 0334 0335 0775 0806 0849 0864 1013 1767 2090 2184 2317 2335 2384 2535 2564 2577  
INTST 0308  
KCTASC 0380 0381  
KEY0 0323  
KEY1 0324  
KEY2 0325  
KEY3 0326  
KEYSEX 0715  
L2007 0750 0797 0799  
L2009 0755 0751  
L2019 0769 0748 0785 0787  
L2069 0821 0836  
L20A1 0843 1761  
L20C1 0876 0878  
L20DF 0889 0902  
L2105 0907 1831  
L211C 0918 0916  
L2126 0922 0924  
L215B 0943 0941  
L2166 0950 0938  
L2169 0952 0949  
L21A7 0974 0992  
L21F8 1003 1673 1675  
L220C 1021 1026  
L221D 1030 1006  
L2230 1040 1043  
L2238 1044 1034 1036  
L2253 1058 1053  
L2261 1064 1057  
L2264 1066 1049  
L226C 1070 1530  
L227C 1077 1075  
L2291 1087 1084  
L22A9 1097 1102  
L22B0 1103 1099  
L22DE 1121 1092  
L22E1 1124 1137 1140  
L22F9 1135 1123  
L2322 1155 1152  
L2324 1157 1150 1154  
L233B 1168 1165  
L233D 1170 1163 1167  
L2346 1174 1094 1107 1120 1128 1134





L27E1	1735	1754		
L27F1	1743	1738		
L27FB	1748	1742		
L2807	1756	1751		
L2816	1763	1755		
L2822	1777	1781	1784	1785
L2832	1787	1666		
L284A	1798	1800		
L2854	1803	1818		
L285A	1807	1810		
L2866	1814	1817		
L2886	1828	1826		
L288F	1832	1269	1290	1319
L289C	1840	1412		
L28A9	1846	1842		
L28AF	1849	1854		
L28B6	1855	1851		
L28BE	1862	1845		
L28CE	1870	1866	1868	
L28DD	1878	1876		
L28DE	1880	1874		
L28E5	1885	1883		
L28F5	1893	1887		
L2903	1900	1897		
L2912	1908	1904		
L2914	1910	1907		
L292E	1927	1924		
L2932	1930	1914	1917	1920
L2935	1932	1926	1929	
L2938	1934	1892		
L2953	1946	1942	1944	
L2961	1953	1951		
L2963	1956	1949		
L296A	1962	1937		
L2971	1967	1959	1961	1965
L2972	1969	1435	1933	
L2981	1975	1973		
L299B	1989	1986		
L299D	1991	1984	1988	
L29B2	2002	1999		
L29B4	2004	1997	2001	
L29BD	2010	1200	1369	
L29C6	2014	2018		
L29CC	2019	2016		
L29D4	2026	2031		
L29DB	2032	2028		
L29DE	2036	1395	1416	
L29F2	2052	1442	1460	
L29FB	2057	1179	1441	
L2A09	2066	2063		
L2A0B	2068	2056		
L2A0E	2072	2075		
L2A19	2080	0880		
L2A1D	2082	2167		
L2A3A	2103	2101		
L2A3B	2105	2099		
L2A48	2115	2112		





## CROSS REFERENCE LISTING

L2D9A	2655	2651				
L2D9F	2658	2647				
L2DBA	2671	1667				
L2DC7	2678	2674				
L2DCD	2683	2677				
L2DDE	2690	2712				
L2DF2	2699	2706				
L2DFE	2708	2692				
L2E07	2714	1690	1801			
L2E0D	2717	2723				
L2E1A	2725	2442				
L2E20	2728	2348	2630	2912		
L2E3F	2754	1072				
L2E69	2773	2771				
L2E6E	2777	2775				
L2E8C	2790	2757	2759	2762	2765	
L2EB5	2811	2805				
L2EBE	2815	2823				
L2ECD	2824	2818				
L2ED7	2829	2847				
L2EEB	2848	2841				
L2EFF	2860	2865				
L2F08	2866	2862				
L2F13	2873	2875				
L2F17	2876	2872				
L2F2D	2888	2885				
L2F32	2891	2887				
L2F3D	2896	2906				
L2F4D	2903	2899				
L2F6A	2917	2902				
L2F7F	2926	2957				
L2F97	2936	2941				
L2F9E	2942	2939				
L2FC0	2955	2929	2933			
L2FF1	2978	2916				
L3004	2987	1521	1681	2789	3028	3068
L3016	2996	1501	2781	2979		
L3022	3002	3009				
L3052	3029	2914	2922			
L3064	3041	1661	1796			
L306B	3045	1508				
L3076	3051	3061				
L3078	3053	3059				
L3086	3063	1001	1029	3103	3246	3264
L3093	3069	0761				
L3097	3072	0812	1790	3170		
L3098	3074	1520	2788			
L30B3	3087	3081				
L30C7	3098	3095				
L30D3	3104	3125	3141	3145	3155	3185
L30D6	3106	3078	3102	3119	3132	3150
L30E3	3113	1680	3140			
L30EF	3120	3116				
L30FB	3126	3122				
L3107	3133	3129				
L3119	3142	3136				
L311F	3146	3143				

## CROSS REFERENCE LISTING

L3133	3156	3153	
L3146	3166	3163	
L3157	3175	3067	
L316C	3186	3184	3199
L317E	3194	3191	
L318E	3201	2986	
L31A9	3214	3211	
L31AA	3216	3213	
L31AE	3220	3205	
L31BD	3228	3225	
L31C4	3232	3229	
L31D9	3243	3235	
L31E3	3249	3027	
L3201	3267	3261	
L3212	3279	3108	3207 3237
L3219	3283	3288	
L3220	3289	3286	
L3222	3292	3281	
L322A	3297	3293	
L3255	3302	3282	
L3269	3305	1517	2785
L3271	3307	3025	
L3279	3309	1677	
L3281	3311	2983	
L3289	3313	3064	
L3291	3318	1018	
L3328	3421	3327	3378
L3374	3473	2081	
L3491	3509	2168	
L350A	3523	2613	2812
L35B2	3543	2275	
L3656	3564	1268	1289
L365A	3566	1318	1488
L3662	3568	2012	
L36AC	3579	1219	
L36C8	3583	1215	
L3817	3630	2968	
L385D	3637	0928	1059
L3869	3639	2047	
L3A83	3685	2779	
L3A93	3688	1497	
L3AF3	3698	3044	
L3B07	3701	0947	
L3B16	3704	0951	
L3B19	3706	2689	2892
L3B29	3709	2461	
L3B2D	3711	0920	
L3BE5	3737	0809	
L3BED	3746	1142	1976
L3C1D	3752	1095	1848 2934
L3C27	3754	2408	
L3C2F	3756	0971	
L3C3D	3759	2398	
L3CB9	3774	1561	
L3CC5	3776	1641	
L3D45	3791	1628	
L3D51	3794	1625	







POT1	0318		
POT2	0319		
POT3	0320		
PRIOR	0735		
PSWCY	0159		
PSWPV	0158		
PSWGN	0156		
PSWZRO	0157		
PVOLAB	0694		
PVOLMC	0695		
QUIT	0411	0412	
RANGED	0410	0411	
RANSHT	0730		
RCALL	0336	0337	
RECTAN	0357	0358	2563 2564
RELAB1	0374	0375	
RELAB5	0373	0374	2089 2090 2183 2184
RESTOR	0366	0367	
SAVE	0365	0366	
SCHEDR	0343	0344	
SCREEN	0140		
SCROLL	0367	0369	
SCRSTR	0353	0354	
SCT0	0239		
SCT1	0240		
SCT2	0241		
SCT3	0242		
SCT4	0243		
SCT5	0244		
SCT6	0245		
SCT7	0246		
SEMI45	0710		
SENFLG	0736		
SENTRY	0381	0382	
SETB	0412	0413	
SETOUT	0354	0355	
SETW	0413	0414	
SF0	0247		
SF1	0248		
SF2	0249		
SF3	0250		
SF4	0251		
SF5	0252		
SF6	0253		
SF7	0254		
SHIFTU	0399	0400	
SJ0	0259		
SJ1	0261		
SJ2	0263		
SJ3	0265		
SKYD	0257		
SKYU	0256		
SNDBX	0297	2993	3320 3323
SNUL	0238		
SP0	0266		
SP1	0267		
SP2	0268		





VOLC	0274	1793	3085	3094	3169	3182	3268
VOLN	0296						
VWRTR	0358	0359					
WASTE	0679	0680					
WASTER	0680						
WRIT	0361	0362					
WRITA	0362	0363					
WRITP	0360	0361					
WRTR	0359	0360					
XINTC	0335	0336					
XPAND	0305	2686					
XPNDON	0133						

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