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10 :
20 : *** DUNGEONLORDS ***
30 : (Revision B)
40 :
50 : By Brian Douglas Bradley
60 : August 1, 1986
70 :
80 : VARIABLES:
90 : -----
    0100 ;
=0080 0110 LOA = 128
=0081 0120 HIA = 129
=0082 0130 LO = 130
=0083 0140 HI = 131
=0084 0150 LOC = 132
=0085 0160 HIC = 133
=0086 0170 V1 = 134
=0087 0180 V2 = 135
=0088 0190 V3 = 136
=0089 0200 V4 = 137
=008A 0210 V5 = 138
=008B 0220 V6 = 139
=008C 0230 V7 = 140
=008D 0240 V8 = 141
=008E 0250 V9 = 142
=008F 0260 XCL = 143
=0090 0270 YRW = 144
=0091 0280 CLX = 145
=0092 0290 RWY = 146
=0093 0300 XP05 = 147
=0094 0310 YP05 = 148
=0095 0320 MNX = 149
=0096 0330 MNY = 150
=0097 0340 MNXA = 151
=0098 0350 MNXA = 152
=0099 0360 STK = 153
=009A 0370 STK1 = 154
=009B 0380 TRGR = 155
=009C 0390 MVE = 156
=009D 0400 GX1 = 157
=009E 0410 GY1 = 158
=009F 0420 GX2 = 159
=00A0 0430 GY2 = 160
=00A1 0440 BLTX = 161
=00A2 0450 BLTY = 162
=00A3 0460 BLTXY = 163
=00A4 0470 TXY = 164
=00A5 0480 JUMP = 165
=00A6 0490 CNTR = 166
=00A7 0500 XCNT = 167
=00A8 0510 TIMES = 168
=00A9 0520 SPEED = 169
=00AA 0530 PLAY = 170
=00AB 0540 SNGX = 171
=00AC 0550 SPOT = 172
=00AD 0560 SPOT2 = 173
=00AE 0570 OVER = 174
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=00AF      0580 KEY = 175
=00B0      0590 SHOMN = 176
=00B1      0600 LUL = 177
=00B2      0610 LIVES = 178
=00B3      0620 NOW = 179
=00B6      0630 DLO = 182
=00B7      0640 DHI = 183
=00B8      0650 BDX = 184
=00D8      0660 BDY = 216
=0600      0670 BDXY = 1536
=0620      0680 BDG = 1568
=0640      0690 ALU = 1600
=2FB4      0700 DLIST = 12212
=388E      0710 SCR5 = 14478
=E45F      0720 SYSUBV = 58463
=E45C      0730 SEUBV = 58460
            0740 ;
            0750 ; INITIALIZE PROGRAM
            0760 ;
0000      0770 *= 8775
2247 70707070 0780 .BYTE 112,112,112,112,112,71
224B 7047      0790 .BYTE 102,34,70,122,34,112
224D 6622467A 0800 .BYTE 112,71,162,34,70,142
2251 2270      0810 .BYTE 34,112,112,112,70,182
2253 7047A222 0820 .BYTE 34,70,0,57,65,71,34
2257 468E      0830 .BYTE "      dungeonlords  "
2259 22707070
225D 46B6
225F 22460039
2263 414722
2266 20202020
226A 64756E67
226E 656F6E6C
2272 6F726473
2276 20202020
227A 20206279 0840 .BYTE "  by brian bradley  "
227E 20627269
2282 616E2062
2286 7261646C
228A 65792020
228E 20707265 0850 .BYTE " press start to play"
2292 73732073
2296 74617274
229A 20746F20
229E 706C6179
22A2 20202020 0860 .BYTE "      game over  "
22A6 2020E7E1
22AA EDE520EF
22AE F6E5F220
22B2 20202020
22B6 20202020 0870 .BYTE "      score  "
22BA 20202020
22BE F3E3EFF2
22C2 E5202020
22C6 20202020
22CA A900      0880 LDA #0
22CC A200      0890 LDX #0
22CE      0900 RPT
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22CE	A000	0910	LDY	#0
22D0		0920	RPTA	
22D0	990039	0930	STA	\$3900,Y
22D3	C8	0940	INY	
22D4	C000	0950	CPY	#0
22D6	D0F8	0960	BNE	RPTA
22D8	EED222	0970	INC	RPTA+2
22DB	E8	0980	INX	
22DC	E010	0990	CPX	#16
22DE	D0EE	1000	BNE	RPT
22E0	A938	1010	LDA	#56
22E2	8D07D4	1020	STA	54279
22E5	A97E	1030	LDA	#126
22E7	8D2F02	1040	STA	559
22EA	A903	1050	LDA	#3
22EC	8D1DD0	1060	STA	53277
22EF	8D0FD2	1070	STA	53775
22F2	A900	1080	LDA	#0
22F4	8DC802	1090	STA	712
22F7	A000	1100	LDY	#0
22F9		1110	STR	
22F9	998000	1120	STA	128,Y
22FC	C8	1130	INY	
22FD	C080	1140	CPY	#128
22FF	D0F8	1150	BNE	STR
2301	A908	1160	LDA	#8
2303	8DC202	1170	STA	706
2306	A977	1180	LDA	#119
2308	8D00D0	1190	STA	53248
230B	8D01D0	1200	STA	53249
230E	8D02D0	1210	STA	53250
2311	20AB27	1220	JSR	INT
2314	A9D4	1230	LDA	#212
2316	8DC002	1240	STA	704
2319	8DC602	1250	STA	710
231C		1260	STRT	
231C	A9E0	1270	LDA	#224
231E	8DF402	1280	STA	756
2321	A900	1290	LDA	#0
2323	8DC402	1300	STA	708
2326	8DC702	1310	STA	711
2329	A947	1320	LDA	#71
232B	8D3002	1330	STA	560
232E	A946	1340	LDA	#70
2330	8DC102	1350	STA	705
2333	8DC502	1360	STA	709
2336	A922	1370	LDA	#34
2338	8D3102	1380	STA	561
233B		1390	SRT	
233B	AD1FD0	1400	LDA	53279
233E	C906	1410	CMP	#6
2340	D0F9	1420	BNE	SRT
2342	A9FA	1430	LDA	#250
2344	8DC702	1440	STA	711
2347	A930	1450	LDA	#48
2349	8DF402	1460	STA	756
234C	A9B4	1470	LDA	#180
234E	8D3002	1480	STA	560

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2351 A92F      1490      LDA #47
2353 803102    1500      STA 561
2356 A901      1510      LDA #1
2358 85B1      1520      STA LVL
235A 20AC2E    1530      JSR LP
235D 4C1C23    1540      JMP STRT
                1550      ;
                1560      ; Display remaining lives
                1570      ; and clear away all monsters
                1580      ;
2360          1590      ITA
2360 206623    1600      JSR ITF
2363 4C7A23    1610      JMP ITE
2366          1620      ITF
2366 A201      1630      LDX #1
2368 A937      1640      LDA #55
236A          1650      ITB
236A 38        1660      SEC
236B E4B2      1670      CPX LIVES
236D 9002      1680      BCC ITC
236F A900      1690      LDA #0
2371          1700      ITC
2371 9D8438    1710      STA SCR5-10,X
2374 E8        1720      INX
2375 E008      1730      CPX #8
2377 D0F1      1740      BNE ITB
2379 60        1750      RTS
237A          1760      ITE
237A A200      1770      LDX #0
237C A900      1780      LDA #0
237E 85AE      1790      STA OVER
2380          1800      IT
2380 9D2006    1810      STA BDG,X
2383 BD4006    1820      LDA ALU,X
2386 C900      1830      CMP #0
2388 F00E      1840      BEQ ITD
238A B5B8      1850      LDA BDY,X
238C 858F      1860      STA XCL
238E B5D8      1870      LDA BDY,X
2390 8590      1880      STA YRW
2392 20CA28    1890      JSR CLR
2395 9D4006    1900      STA ALU,X
2398          1910      ITD
2398 E8        1920      INX
2399 E020      1930      CPX #32
239B D0E3      1940      BNE IT
239D 20D42A    1950      JSR PCLR
23A0 A908      1960      LDA #8
23A2 8595      1970      STA MNX
23A4 A930      1980      LDA #48
23A6 8596      1990      STA MNV
23A8 60        2000      RTS
                2010      ;
                2020      ; Create random maze
                2030      ;
23A9          2040      W
23A9 206023    2050      JSR ITA
23AC A5B1      2060      LDA LVL

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23AE 38	2070	SEC	
23AF E901	2080	SBC	#1
23B1 4A	2090	LSR	A
23B2 4A	2100	LSR	A
23B3 85A9	2110	STA	SPEED
23B5 E6A9	2120	INC	SPEED
23B7 0A	2130	ASL	A
23B8 0A	2140	ASL	A
23B9 0A	2150	ASL	A
23BA 0A	2160	ASL	A
23BB 8586	2170	STA	V1
23BD A906	2180	LDA	#6
23BF 38	2190	SEC	
23C0 E586	2200	SBC	V1
23C2 8DC502	2210	STA	709
23C5 20D42A	2220	JSR	PCLR
23C8 A900	2230	LDA	#0
23CA 85AF	2240	STA	KEY
23CC 858B	2250	STA	V6
23CE 8588	2260	STA	V3
23D0 AD0AD2	2270	LDA	53770
23D3 2907	2280	AND	#7
23D5 858C	2290	STA	V7
23D7 AD0AD2	2300	LDA	53770
23DA 2907	2310	AND	#7
23DC 18	2320	CLC	
23DD 6908	2330	ADC	#8
23DF 858D	2340	STA	V8
23E1	2350		
23E1 A200	2360	LDX	#0
23E3	2370		
23E3 868F	2380	STX	XCL
23E5 A588	2390	LDA	V3
23E7 8590	2400	STA	YRW
23E9 202926	2410	JSR	X96
23EC A900	2420	LDA	#0
23EE 9180	2430	STA	(LOA),Y
23F0 E8	2440	INX	
23F1 E040	2450	CPX	#64
23F3 D0EE	2460	BNE	W1
23F5 E688	2470	INC	V3
23F7 A915	2480	LDA	#21
23F9 C588	2490	CMP	V3
23FB D0E4	2500	BNE	W2
23FD A200	2510	LDX	#0
23FF	2520		
23FF A900	2530	LDA	#0
2401 8590	2540	STA	YRW
2403 868F	2550	STX	XCL
2405 20F725	2560	JSR	PTW
2408 A914	2570	LDA	#20
240A 8590	2580	STA	YRW
240C 20F725	2590	JSR	PTW
240F E8	2600	INX	
2410 E8	2610	INX	
2411 E03E	2620	CPX	#62
2413 D0EA	2630	BNE	W3
2415 A202	2640	LDX	#2

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2417		2650	W4	
2417	A900	2660		LDA #0
2419	858F	2670		STA XCL
241B	8690	2680		STX YRW
241D	20F725	2690		JSR PTW
2420	A93C	2700		LDA #60
2422	858F	2710		STA XCL
2424	20F725	2720		JSR PTW
2427	E8	2730		INX
2428	E8	2740		INX
2429	E014	2750		CPX #20
242B	D0EA	2760		BNE W4
242D	A938	2770		LDA #56
242F	858F	2780		STA XCL
2431	A202	2790		LDX #2
2433		2800	W49	
2433	8690	2810		STX YRW
2435	20F725	2820		JSR PTW
2438	E8	2830		INX
2439	E8	2840		INX
243A	E012	2850		CPX #18
243C	D0F5	2860		BNE W49
243E	202727	2870		JSR GR
2441	A900	2880		LDA #0
2443	858F	2890		STA XCL
2445	A904	2900		LDA #4
2447	8590	2910		STA YRW
2449	206C27	2920		JSR GR2
244C	A902	2930		LDA #2
244E	858F	2940		STA XCL
2450	8590	2950		STA YRW
2452	20F725	2960		JSR PTW
2455	A904	2970		LDA #4
2457	858F	2980		STA XCL
2459	20F725	2990		JSR PTW
245C	A900	3000		LDA #0
245E	858A	3010		STA U5
2460	A904	3020		LDA #4
2462	8589	3030		STA U4
2464		3040	W43	
2464	A204	3050		LDX #4
2466		3060	W45	
2466	868F	3070		STX XCL
2468	A589	3080		LDA U4
246A	8590	3090		STA YRW
246C	A900	3100		LDA #0
246E	858A	3110		STA U5
2470	202926	3120		JSR X96
2473	B180	3130		LDA (LOA),Y
2475	C900	3140		CMP #0
2477	F003	3150		BEQ W46
2479	4C8425	3160		JMP W15
247C		3170	W46	
247C	20F725	3180		JSR PTW
247F	AD0AD2	3190		LDA 53770
2482	2903	3200		AND #3
2484	C903	3210		CMP #3
2486	D007	3220		BNE W5

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2488	C690	3230	DEC	YRW
248A	C690	3240	DEC	YRW
248C	4C4625	3250	JMP	WUP
248F		3260		
248F	C902	3270	CMP	#2
2491	D007	3280	BNE	W6
2493	E690	3290	INC	YRW
2495	E690	3300	INC	YRW
2497	4C4625	3310	JMP	WUP
249A		3320		
249A	C901	3330	CMP	#1
249C	D007	3340	BNE	W7
249E	C68F	3350	DEC	XCL
24A0	C68F	3360	DEC	XCL
24A2	4CA924	3370	JMP	WLR
24A5		3380		
24A5	E68F	3390	INC	XCL
24A7	E68F	3400	INC	XCL
24A9		3410		
24A9	A58F	3420	LDA	XCL
24AB	8591	3430	STA	CLX
24AD	A590	3440	LDA	YRW
24AF	8592	3450	STA	RWY
24B1	38	3460	SEC	
24B2	E904	3470	SBC	#4
24B4	8590	3480	STA	YRW
24B6	202926	3490	JSR	X96
24B9	B180	3500	LDA	(LOA),Y
24BB	C900	3510	CMP	#0
24BD	F002	3520	BEQ	W8
24BF	E68A	3530	INC	U5
24C1		3540		
24C1	A0BF	3550	LDY	#191
24C3	B180	3560	LDA	(LOA),Y
24C5	C900	3570	CMP	#0
24C7	F002	3580	BEQ	W9
24C9	E68A	3590	INC	U5
24CB		3600		
24CB	A0C2	3610	LDY	#194
24CD	B180	3620	LDA	(LOA),Y
24CF	C900	3630	CMP	#0
24D1	F002	3640	BEQ	W10
24D3	E68A	3650	INC	U5
24D5		3660		
24D5	A58A	3670	LDA	U5
24D7	38	3680	SEC	
24D8	C902	3690	CMP	#2
24DA	9003	3700	BCC	W11
24DC	4C8425	3710	JMP	W15
24DF		3720		
24DF	A591	3730	LDA	CLX
24E1	858F	3740	STA	XCL
24E3	A592	3750	LDA	RWY
24E5	8590	3760	STA	YRW
24E7	202926	3770	JSR	X96
24EA	B180	3780	LDA	(LOA),Y
24EC	C900	3790	CMP	#0
24EE	F003	3800	BEQ	W60

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24F0	4C8425	3810		JMP	W15
24F3		3820	W60		
24F3	A58B	3830		LDA	U6
24F5	E68B	3840		INC	U6
24F7	C58C	3850		CMP	U7
24F9	D005	3860		BNE	W30
24FB	A9AF	3870		LDA	#175
24FD	4C1825	3880		JMP	W36
2500		3890	W30		
2500	C58D	3900		CMP	U8
2502	D005	3910		BNE	W39
2504	A9AF	3920		LDA	#175
2506	4C1825	3930		JMP	W36
2509		3940	W39		
2509	AD0AD2	3950		LDA	53770
250C	293F	3960		AND	#63
250E	38	3970		SEC	
250F	C5B1	3980		CMP	LVL
2511	9003	3990		BCC	W40
2513	4C4025	4000		JMP	W32
2516		4010	W40		
2516	A9A7	4020		LDA	#167
2518		4030	W36		
2518	201E25	4040		JSR	W91
251B	4C8425	4050		JMP	W15
251E		4060	W91		
251E	858A	4070		STA	U5
2520	202926	4080		JSR	X96
2523	A58A	4090		LDA	U5
2525	9180	4100		STA	(L0A),Y
2527	A001	4110		LDY	#1
2529	E68A	4120		INC	U5
252B	A58A	4130		LDA	U5
252D	9180	4140		STA	(L0A),Y
252F	A060	4150		LDY	#96
2531	E68A	4160		INC	U5
2533	A58A	4170		LDA	U5
2535	9180	4180		STA	(L0A),Y
2537	A061	4190		LDY	#97
2539	E68A	4200		INC	U5
253B	A58A	4210		LDA	U5
253D	9180	4220		STA	(L0A),Y
253F	60	4230		RTS	
2540		4240	W32		
2540	20F725	4250		JSR	PTW
2543	4C8425	4260		JMP	W15
2546		4270	WUP		
2546	A58F	4280		LDA	XCL
2548	8591	4290		STA	CLX
254A	C68F	4300		DEC	XCL
254C	C68F	4310		DEC	XCL
254E	A590	4320		LDA	YRW
2550	8592	4330		STA	RWY
2552	C690	4340		DEC	YRW
2554	C690	4350		DEC	YRW
2556	202926	4360		JSR	X96
2559	B180	4370		LDA	(L0A),Y
255B	C900	4380		CMP	#0

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255D	F002	4390	BEQ	W12
255F	E68A	4400	INC	U5
2561		4410		
2561	A0BF	4420	LDY	#191
2563	B180	4430	LDA	(LOA),Y
2565	C900	4440	CMP	#0
2567	F002	4450	BEQ	W13
2569	E68A	4460	INC	U5
256B		4470		
256B	A080	4480	LDY	#128
256D	E681	4490	INC	H1A
256F	B180	4500	LDA	(LOA),Y
2571	C900	4510	CMP	#0
2573	F002	4520	BEQ	W14
2575	E68A	4530	INC	U5
2577		4540		
2577	A58A	4550	LDA	U5
2579	38	4560	SEC	
257A	C902	4570	CMP	#2
257C	9003	4580	BCC	W41
257E	4C8425	4590	JMP	W15
2581		4600		
2581	4CDF24	4610	JMP	W11
2584		4620		
2584	E8	4630	INX	
2585	E8	4640	INX	
2586	E8	4650	INX	
2587	E8	4660	INX	
2588	E038	4670	CPX	#56
258A	F003	4680	BEQ	W16
258C	4C6624	4690	JMP	W45
258F		4700		
258F	A589	4710	LDA	U4
2591	18	4720	CLC	
2592	6904	4730	ADC	#4
2594	8589	4740	STA	U4
2596	C914	4750	CMP	#20
2598	F003	4760	BEQ	W20
259A	4C6424	4770	JMP	W43
259D		4780		
259D	A93A	4790	LDA	#58
259F	858F	4800	STA	XCL
25A1	A906	4810	LDA	#6
25A3	8590	4820	STA	YRW
25A5	A9B3	4830	LDA	#179
25A7	201E25	4840	JSR	W91
25AA	A908	4850	LDA	#8
25AC	8590	4860	STA	YRW
25AE	A9B3	4870	LDA	#179
25B0	201E25	4880	JSR	W91
25B3	A938	4890	LDA	#56
25B5	858F	4900	STA	XCL
25B7	A900	4910	LDA	#0
25B9	8590	4920	STA	YRW
25BB	206C27	4930	JSR	GR2
25BE	A93A	4940	LDA	#58
25C0	858F	4950	STA	XCL
25C2	A902	4960	LDA	#2

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25C4	8590	4970	STA	YRW
25C6	A5B1	4980	LDA	LUL
25C8	2903	4990	AND	#3
25CA	C900	5000	CMP	#0
25CC	D005	5010	BNE	W17
25CE	A9E8	5020	LDA	#232
25D0	4CD525	5030	JMP	W18
25D3		5040	W17	
25D3	A9F4	5050	LDA	#244
25D5		5060	W18	
25D5	201E25	5070	JSR	W91
25D8	A5B1	5080	LDA	LUL
25DA	2907	5090	AND	#7
25DC	C900	5100	CMP	#0
25DE	D016	5110	BNE	W19
25E0	A90A	5120	LDA	#10
25E2	8590	5130	STA	YRW
25E4	A9B3	5140	LDA	#179
25E6	201E25	5150	JSR	W91
25E9	A936	5160	LDA	#54
25EB	858F	5170	STA	XCL
25ED	A902	5180	LDA	#2
25EF	8590	5190	STA	YRW
25F1	A9AF	5200	LDA	#175
25F3	201E25	5210	JSR	W91
25F6		5220	W19	
25F6	60	5230	RTS	
25F7		5240	PTW	
25F7	202926	5250	JSR	X96
25FA	201726	5260	JSR	LTW
25FD	A000	5270	LDY	#0
25FF	9180	5280	STA	(L0A),Y
2601	202026	5290	JSR	RTW
2604	A001	5300	LDY	#1
2606	9180	5310	STA	(L0A),Y
2608	202026	5320	JSR	RTW
260B	A060	5330	LDY	#96
260D	9180	5340	STA	(L0A),Y
260F	201726	5350	JSR	LTW
2612	A061	5360	LDY	#97
2614	9180	5370	STA	(L0A),Y
2616	60	5380	RTS	
2617		5390	LTW	
2617	AD0AD2	5400	LDA	53770
261A	2903	5410	AND	#3
261C	18	5420	CLC	
261D	6901	5430	ADC	#1
261F	60	5440	RTS	
2620		5450	RTW	
2620	AD0AD2	5460	LDA	53770
2623	2903	5470	AND	#3
2625	18	5480	CLC	
2626	6905	5490	ADC	#5
2628	60	5500	RTS	
2629		5510	X96	
2629	A900	5520	LDA	#0
262B	8586	5530	STA	V1
262D	8587	5540	STA	V2

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262F 8581      5550      STA HIA
2631 A590      5560      LDA YRW
2633 8580      5570      STA LOA
2635 A000      5580      LDY #0
2637           5590      L1
2637 A581      5600      LDA HIA
2639 0A        5610      ASL A
263A 8581      5620      STA HIA
263C A580      5630      LDA LOA
263E 0A        5640      ASL A
263F 9003      5650      BCC L2
2641 E681      5660      INC HIA
2643 18        5670      CLC
2644           5680      L2
2644 8580      5690      STA LOA
2646 C8        5700      INY
2647 C005      5710      CPY #5
2649 D008      5720      BNE L3
264B A580      5730      LDA LOA
264D 8586      5740      STA V1
264F A581      5750      LDA HIA
2651 8587      5760      STA V2
2653           5770      L3
2653 C006      5780      CPY #6
2655 D0E0      5790      BNE L1
2657 A581      5800      LDA HIA
2659 18        5810      CLC
265A 6587      5820      ADC V2
265C 8581      5830      STA HIA
265E A580      5840      LDA LOA
2660 18        5850      CLC
2661 6586      5860      ADC V1
2663 9003      5870      BCC L4
2665 E681      5880      INC HIA
2667 18        5890      CLC
2668           5900      L4
2668 8580      5910      STA LOA
266A A581      5920      LDA HIA
266C 18        5930      CLC
266D 6940      5940      ADC #64
266F 8581      5950      STA HIA
2671 A580      5960      LDA LOA
2673 18        5970      CLC
2674 658F      5980      ADC XCL
2676 9002      5990      BCC L5
2678 E681      6000      INC HIA
267A           6010      L5
267A 18        6020      CLC
267B 6914      6030      ADC #20
267D 9002      6040      BCC L6
267F E681      6050      INC HIA
2681           6060      L6
2681 8580      6070      STA LOA
2683 A000      6080      LDY #0
2685 60        6090      RTS
6100 ;
6110 ; Who can see man?
6120 ;

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2686		6130	ST	
2686	201927	6140		JSR ST97
2689	A981	6150		LDA #129
268B	858A	6160		STA U5
268D	C68F	6170		DEC XCL
268F		6180	ST2	
268F	20DF26	6190		JSR ST99
2692	C68F	6200		DEC XCL
2694	C900	6210		CMP #0
2696	F0F7	6220		BEQ ST2
2698	A58F	6230		LDA XCL
269A	858B	6240		STA U6
269C	201927	6250		JSR ST97
269F	A901	6260		LDA #1
26A1	858A	6270		STA U5
26A3	E68F	6280		INC XCL
26A5		6290	ST3	
26A5	20DF26	6300		JSR ST99
26A8	E68F	6310		INC XCL
26AA	C900	6320		CMP #0
26AC	F0F7	6330		BEQ ST3
26AE	A58F	6340		LDA XCL
26B0	858C	6350		STA U7
26B2	201927	6360		JSR ST97
26B5	A9E0	6370		LDA #224
26B7	858A	6380		STA U5
26B9	C690	6390		DEC YRW
26BB		6400	ST4	
26BB	20DF26	6410		JSR ST99
26BE	C690	6420		DEC YRW
26C0	C900	6430		CMP #0
26C2	F0F7	6440		BEQ ST4
26C4	A590	6450		LDA YRW
26C6	858D	6460		STA U8
26C8	201927	6470		JSR ST97
26CB	A960	6480		LDA #96
26CD	858A	6490		STA U5
26CF	E690	6500		INC YRW
26D1		6510	ST5	
26D1	20DF26	6520		JSR ST99
26D4	E690	6530		INC YRW
26D6	C900	6540		CMP #0
26D8	F0F7	6550		BEQ ST5
26DA	A590	6560		LDA YRW
26DC	858E	6570		STA U9
26DE	60	6580		RTS
26DF		6590	ST99	
26DF	A58A	6600		LDA U5
26E1	297F	6610		AND #127
26E3	8586	6620		STA U1
26E5	A58A	6630		LDA U5
26E7	2980	6640		AND #128
26E9	C900	6650		CMP #0
26EB	F00E	6660		BEQ Z1
26ED	A580	6670		LDA L0A
26EF	38	6680		SEC
26F0	E586	6690		SBC U1
26F2	B002	6700		BCS Z2

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26F4 C681	6710	DEC	HIA
26F6	6720	Z2	
26F6 8580	6730	STA	LOA
26F8 4C0627	6740	JMP	Z4
26FB	6750	Z1	
26FB A580	6760	LDA	LOA
26FD 18	6770	CLC	
26FE 6586	6780	ADC	V1
2700 9002	6790	BCC	Z3
2702 E681	6800	INC	HIA
2704	6810	Z3	
2704 8580	6820	STA	LOA
2706	6830	Z4	
2706 A000	6840	LDY	#0
2708 B180	6850	LDA	(LOA),Y
270A E8	6860	INX	
270B C900	6870	CMP	#0
270D F007	6880	BEQ	ST98
270F C937	6890	CMP	#55
2711 F003	6900	BEQ	ST98
2713	6910	ST96	
2713 A901	6920	LDA	#1
2715 60	6930	RTS	
2716	6940	ST98	
2716 A900	6950	LDA	#0
2718 60	6960	RTS	
2719	6970	ST97	
2719 A200	6980	LDX	#0
271B A593	6990	LDA	XP05
271D 858F	7000	STA	XCL
271F A594	7010	LDA	YP05
2721 8590	7020	STA	YRW
2723 202926	7030	JSR	X96
2726 60	7040	RTS	
	7050	:	
	7060	:	Set up Transporters
	7070	:	
2727	7080	GR	
2727 AD0AD2	7090	LDA	53770
272A 2903	7100	AND	#3
272C 18	7110	CLC	
272D 6903	7120	ADC	#3
272F 0A	7130	ASL	A
2730 0A	7140	ASL	A
2731 858F	7150	STA	XCL
2733 18	7160	CLC	
2734 6902	7170	ADC	#2
2736 859D	7180	STA	GX1
2738 AD0AD2	7190	LDA	53770
273B 2903	7200	AND	#3
273D 0A	7210	ASL	A
273E 0A	7220	ASL	A
273F 8590	7230	STA	YRW
2741 18	7240	CLC	
2742 6902	7250	ADC	#2
2744 859E	7260	STA	GY1
2746 206C27	7270	JSR	GR2
2749 AD0AD2	7280	LDA	53770

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274C	2903	7290	AND	#3
274E	18	7300	CLC	
274F	6909	7310	ADC	#9
2751	0A	7320	ASL	A
2752	0A	7330	ASL	A
2753	858F	7340	STA	XCL
2755	18	7350	CLC	
2756	6902	7360	ADC	#2
2758	859F	7370	STA	GX2
275A	AD0AD2	7380	LDA	53770
275D	2903	7390	AND	#3
275F	0A	7400	ASL	A
2760	0A	7410	ASL	A
2761	8590	7420	STA	YRW
2763	18	7430	CLC	
2764	6902	7440	ADC	#2
2766	85A0	7450	STA	GY2
2768	206C27	7460	JSR	GR2
276B	60	7470	RTS	
276C		7480		
276C	A911	7490	LDA	#17
276E	201E25	7500	JSR	W91
2771	E690	7510	INC	YRW
2773	E690	7520	INC	YRW
2775	A909	7530	LDA	#9
2777	201E25	7540	JSR	W91
277A	C690	7550	DEC	YRW
277C	C690	7560	DEC	YRW
277E	E68F	7570	INC	XCL
2780	E68F	7580	INC	XCL
2782	A915	7590	LDA	#21
2784	201E25	7600	JSR	W91
2787	E68F	7610	INC	XCL
2789	E68F	7620	INC	XCL
278B	A919	7630	LDA	#25
278D	201E25	7640	JSR	W91
2790	E690	7650	INC	YRW
2792	E690	7660	INC	YRW
2794	A90D	7670	LDA	#13
2796	201E25	7680	JSR	W91
2799	E690	7690	INC	YRW
279B	E690	7700	INC	YRW
279D	20F725	7710	JSR	PTW
27A0	A58F	7720	LDA	XCL
27A2	38	7730	SEC	
27A3	E904	7740	SBC	#4
27A5	858F	7750	STA	XCL
27A7	20F725	7760	JSR	PTW
27AA	60	7770	RTS	
		7780		
		7790		
		7800		
		7810		
		7820		
27AB		7830		
27AB	A0C5	7830	LDY	#VBK&255
27AD	A227	7840	LDX	#VBK/256
27AF	A906	7850	LDA	#6
27B1	205CE4	7860	JSR	SEVBV

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27B4		7870	INT2	
27B4	A200	7880	LDX	#0
27B6	A99D	7890	LDA	#157
27B8		7900	AGN2	
27B8	9D8E38	7910	STA	5CR5,X
27BB	E8	7920	INX	
27BC	E007	7930	CPX	#7
27BE	D0F8	7940	BNE	AGN2
27C0	A933	7950	LDA	#51
27C2	8585	7960	STA	HIC
27C4	60	7970	RTS	
27C5		7980	VBK	
27C5	A940	7990	LDA	#64
27C7	85B7	8000	STA	DHI
27C9	A595	8010	LDA	MNX
27CB	4A	8020	LSR	A
27CC	4A	8030	LSR	A
27CD	29FE	8040	AND	#254
27CF	85B6	8050	STA	DLO
27D1	A004	8060	LDY	#4
27D3		8070	AGN	
27D3	A5B6	8080	LDA	DLO
27D5	99B42F	8090	STA	DLIST,Y
27D8	C8	8100	INX	
27D9	A5B7	8110	LDA	DHI
27DB	99B42F	8120	STA	DLIST,Y
27DE	A5B6	8130	LDA	DLO
27E0	18	8140	CLC	
27E1	6960	8150	ADC	#96
27E3	9002	8160	BCC	NXT
27E5	E6B7	8170	INC	DHI
27E7		8180	NXT	
27E7	85B6	8190	STA	DLO
27E9	C8	8200	INX	
27EA	C8	8210	INX	
27EB	C046	8220	CPY	#70
27ED	D0E4	8230	BNE	AGN
27EF	A595	8240	LDA	MNX
27F1	2907	8250	AND	#7
27F3	4907	8260	EOR	#7
27F5	8D04D4	8270	STA	54276
27F8	4C5FE4	8280	JMP	5Y5UBU
27FB		8290	FND	
27FB	20FE27	8300	JSR	FND1A
27FE		8310	FND1A	
27FE	8588	8320	STA	V3
2800	290C	8330	AND	#12
2802	C900	8340	CMP	#0
2804	D003	8350	BNE	FND1
2806	4C1828	8360	JMP	FND3
2809		8370	FND1	
2809	C908	8380	CMP	#8
280B	D002	8390	BNE	FND2
280D	E68F	8400	INC	XCL
280F		8410	FND2	
280F	C904	8420	CMP	#4
2811	D015	8430	BNE	FND5
2813	C68F	8440	DEC	XCL

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2815 4C2828      8450      JMP FND5
2818             8460 FND3
2818 A588         8470      LDA V3
281A 2903         8480      AND #3
281C C902         8490      CMP #2
281E D002         8500      BNE FND4
2820 E690         8510      INC YRW
2822             8520 FND4
2822 C901         8530      CMP #1
2824 D002         8540      BNE FND5
2826 C690         8550      DEC YRW
2828             8560 FND5
2828 A588         8570      LDA V3
282A 60           8580      RTS
282B             8590 REVER5
282B 8588         8600      STA V3
282D 290C         8610      AND #12
282F C900         8620      CMP #0
2831 F002         8630      BEQ RV51
2833 490C         8640      EOR #12
2835             8650 RV51
2835 8586         8660      STA V1
2837 A588         8670      LDA V3
2839 2903         8680      AND #3
283B C900         8690      CMP #0
283D F002         8700      BEQ RV52
283F 4903         8710      EOR #3
2841             8720 RV52
2841 18           8730      CLC
2842 6586         8740      ADC V1
2844 60           8750      RTS
2845             8760 PLY
2845 A908         8770      LDA #8
2847 85AB         8780      STA SNGX
2849 60           8790      RTS
                8800      ;
                8810      ; Found Treasure!
                8820      ;
284A             8830 FDT
284A 204528       8840      JSR PLY
284D A2A8         8850      LDX #168
284F 86AA         8860      STX PLAY
2851 A2C0         8870      LDX #192
2853 8684         8880      STX LOC
2855 A204         8890      LDX #4
2857 20DE28       8900      JSR SCR
285A A9AB         8910      LDA #171
285C 201E25       8920      JSR W91
285F A9AB         8930      LDA #171
2861 60           8940      RTS
                8950      ;
                8960      ; Found Key!
                8970      ;
2862             8980 FDK
2862 A5AF         8990      LDA KEY
2864 C901         9000      CMP #1
2866 D001         9010      BNE FDL
2868 60           9020      RTS

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2869          9030 FDL
2869 204528    9040      JSR PLY
286C A2A8      9050      LDX #168
286E 86AA      9060      STX PLAY
2870 A2D0      9070      LDX #208
2872 8684      9080      STX LOC
2874 A901      9090      LDA #1
2876 85AF      9100      STA KEY
2878 20CA28    9110      JSR CLR
287B A900      9120      LDA #0
287D 60        9130      RTS
                9140 ;
                9150 ; Found Keyhole!
                9160 ;
287E          9170 FDH
287E A5AF      9180      LDA KEY
2880 C900      9190      CMP #0
2882 F015      9200      BEQ FDI
2884 204528    9210      JSR PLY
2887 A2A8      9220      LDX #168
2889 86AA      9230      STX PLAY
288B A2C8      9240      LDX #208
288D 8684      9250      STX LOC
288F A900      9260      LDA #0
2891 85AF      9270      STA KEY
2893 20CA28    9280      JSR CLR
2896 A900      9290      LDA #0
2898 60        9300      RTS
2899          9310 FDI
2899 A9AB      9320      LDA #171
289B 60        9330      RTS
                9340 ;
                9350 ; Release Prisoner
                9360 ;
289C          9370 FDP
289C 204528    9380      JSR PLY
289F A2A8      9390      LDX #168
28A1 86AA      9400      STX PLAY
28A3 A2E0      9410      LDX #224
28A5 8684      9420      STX LOC
28A7 20CA28    9430      JSR CLR
28AA A203      9440      LDX #3
28AC 20DE28    9450      JSR SCR
28AF A900      9460      LDA #0
28B1 858F      9470      STA XCL
28B3 A902      9480      LDA #2
28B5 8590      9490      STA YRW
28B7 206C27    9500      JSR GR2
28BA A902      9510      LDA #2
28BC 858F      9520      STA XCL
28BE A904      9530      LDA #4
28C0 8590      9540      STA YRW
28C2 A9F4      9550      LDA #244
28C4 201E25    9560      JSR W91
28C7 A900      9570      LDA #0
28C9 60        9580      RTS
                9590 ;
                9600 ; Clear Location
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28CA      9610      ;
28CA 202926 9620 CLR
28CD A900    9630 JSR X96
28CF 9180    9640 LDA #0
28D1 A001    9650 STA (LOA),Y
28D3 9180    9660 LDY #1
28D5 A060    9670 STA (LOA),Y
28D7 9180    9680 LDY #96
28D9 A061    9690 STA (LOA),Y
28DB 9180    9700 LDY #97
28DD 60      9710 STA (LOA),Y
          9720 RTS
          9730 ;
          9740 ; Handle Score
          9750 ;
28DE      9760 SCR
28DE A901    9770 LDA #1
28E0 8586    9780 STA V1
28E2      9790 SCR1
28E2 A586    9800 LDA V1
28E4 C901    9810 CMP #1
28E6 D02D    9820 BNE SCR3
28E8 E002    9830 CPX #2
28EA D014    9840 BNE SCR4
28EC E6B2    9850 INC LIVES
28EE 8686    9860 STX V1
28F0 206623 9870 JSR ITF
28F3 204528 9880 JSR PLY
28F6 A9E0    9890 LDA #224
28F8 8584    9900 STA LOC
28FA A9A8    9910 LDA #168
28FC 85AA    9920 STA PLAY
28FE A686    9930 LDX V1
2900      9940 SCR4
2900 A900    9950 LDA #0
2902 8586    9960 STA U1
2904 BD8E38 9970 LDA SCR5,X
2907 18      9980 CLC
2908 6901    9990 ADC #1
290A C9A7    010000 CMP #167
290C D004    010010 BNE SCR2
290E A99D    010020 LDA #157
2910 E686    010030 INC V1
2912      010040 SCR2
2912 9D8E38 010050 STA SCR5,X
2915      010060 SCR3
2915 CA      010070 DEX
2916 E0FF    010080 CPX #255
2918 D0C8    010090 BNE SCR1
291A 60      010100 RTS
          010110 ;
          010120 ; Move Man Around
          010130 ;
291B      010140 MN
291B A992    010150 LDA #146
291D 8586    010160 STA V1
291F A5B3    010170 LDA NOW
2921 38      010180 SEC

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2922	C980	010190	CMP	#128
2924	9004	010200	BCC	ZX
2926	A944	010210	LDA	#68
2928	8586	010220	STA	V1
292A		010230	ZX	
292A	A514	010240	LDA	Z0
292C	2907	010250	AND	#7
292E	18	010260	CLC	
292F	6586	010270	ADC	V1
2931		010280	ZZ	
2931	8DC402	010290	STA	708
2934	AD00D3	010300	LDA	54016
2937	290C	010310	AND	#12
2939	490C	010320	EOR	#12
293B	C900	010330	CMP	#0
293D	F005	010340	BEQ	MN1
293F	8599	010350	STA	5TK
2941	4C4D29	010360	JMP	MN2
2944		010370	MN1	
2944	AD00D3	010380	LDA	54016
2947	2903	010390	AND	#3
2949	4903	010400	EOR	#3
294B	8599	010410	STA	5TK
294D		010420	MN2	
294D	A595	010430	LDA	MNX
294F	4A	010440	LSR	A
2950	4A	010450	LSR	A
2951	29FE	010460	AND	#254
2953	8593	010470	STA	XP05
2955	A595	010480	LDA	MNX
2957	2907	010490	AND	#7
2959	C900	010500	CMP	#0
295B	F003	010510	BEQ	MN3
295D	4C112A	010520	JMP	MN14
2960		010530	MN3	
2960	A596	010540	LDA	MNY
2962	4A	010550	LSR	A
2963	4A	010560	LSR	A
2964	4A	010570	LSR	A
2965	29FE	010580	AND	#254
2967	8594	010590	STA	YP05
2969	A596	010600	LDA	MNY
296B	290F	010610	AND	#15
296D	C900	010620	CMP	#0
296F	F003	010630	BEQ	MN4
2971	4C112A	010640	JMP	MN14
2974		010650	MN4	
2974	A59B	010660	LDA	TRGR
2976	C900	010670	CMP	#0
2978	F037	010680	BEQ	MN7
297A	A599	010690	LDA	5TK
297C	C900	010700	CMP	#0
297E	F031	010710	BEQ	MN7
2980	A593	010720	LDA	XP05
2982	858F	010730	STA	XCL
2984	A594	010740	LDA	YP05
2986	8590	010750	STA	YRW
2988	A599	010760	LDA	5TK

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298A	20FB27	010770	JSR	FND
298D	202926	010780	JSR	X96
2990	B180	010790	LDA	(L0A),Y
2992	C9A7	010800	CMP	#167
2994	D003	010810	BNE	MN5
2996	204A28	010820	JSR	FDT
2999		010830	MN5	
2999	C9AF	010840	CMP	#175
299B	D003	010850	BNE	MN6
299D	206228	010860	JSR	FDK
29A0		010870	MN6	
29A0	C900	010880	CMP	#0
29A2	F009	010890	BEQ	MNA
29A4	38	010900	SEC	
29A5	C934	010910	CMP	#52
29A7	9008	010920	BCC	MN7
29A9	C9AB	010930	CMP	#171
29AB	F004	010940	BEQ	MN7
29AD		010950	MNA	
29AD	A599	010960	LDA	STK
29AF	859C	010970	STA	MVE
29B1		010980	MN7	
29B1	A593	010990	LDA	XP05
29B3	858F	011000	STA	XCL
29B5	A594	011010	LDA	YP05
29B7	8590	011020	STA	YRW
29B9	A59C	011030	LDA	MVE
29BB	20FB27	011040	JSR	FND
29BE	202926	011050	JSR	X96
29C1	B180	011060	LDA	(L0A),Y
29C3	C9A7	011070	CMP	#167
29C5	D003	011080	BNE	MN8
29C7	204A28	011090	JSR	FDT
29CA		011100	MN8	
29CA	C9AF	011110	CMP	#175
29CC	D003	011120	BNE	MN9
29CE	206228	011130	JSR	FDK
29D1		011140	MN9	
29D1	C9B3	011150	CMP	#179
29D3	D003	011160	BNE	MN10
29D5	207E28	011170	JSR	FDH
29D8		011180	MN10	
29D8	C9F4	011190	CMP	#244
29DA	D002	011200	BNE	MN11
29DC	E6AE	011210	INC	OVER
29DE		011220	MN11	
29DE	C9E8	011230	CMP	#232
29E0	D003	011240	BNE	MN11A
29E2	209C28	011250	JSR	FDP
29E5		011260	MN11A	
29E5	C900	011270	CMP	#0
29E7	F010	011280	BEQ	MN13
29E9	38	011290	SEC	
29EA	C934	011300	CMP	#52
29EC	9007	011310	BCC	MN12
29EE	C9AB	011320	CMP	#171
29F0	F003	011330	BEQ	MN12
29F2	4CF929	011340	JMP	MN13

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```
29F5          011350 MN12
29F5 A900      011360 LDA #0
29F7 859C      011370 STA MVE
29F9          011380 MN13
29F9 A595      011390 LDA MNX
29FB 858F      011400 STA XCL
29FD A596      011410 LDA MNY
29FF 8590      011420 STA YRW
2A01 A59C      011430 LDA MVE
2A03 20FE27    011440 JSR FND1A
2A06 A58F      011450 LDA XCL
2A08 8595      011460 STA MNX
2A0A A590      011470 LDA YRW
2A0C 8596      011480 STA MNY
2A0E 4C302A    011490 JMP SW
2A11          011500 MN14
2A11 A59B      011510 LDA TRGR
2A13 C900      011520 CMP #0
2A15 F0E2      011530 BEQ MN13
2A17 A599      011540 LDA STK
2A19 C900      011550 CMP #0
2A1B D003      011560 BNE MN15
2A1D 4CF929    011570 JMP MN13
2A20          011580 MN15
2A20 A59C      011590 LDA MVE
2A22 202B28    011600 JSR REVERS
2A25 C599      011610 CMP STK
2A27 D004      011620 BNE MN16
2A29 A599      011630 LDA STK
2A2B 859C      011640 STA MVE
2A2D          011650 MN16
2A2D 4CF929    011660 JMP MN13
                ;
                ; Display Man on screen
                ;
2A30          011700 SW
2A30 A59C      011710 LDA MVE
2A32 C900      011720 CMP #0
2A34 F025      011730 BEQ SW4
2A36 A5B0      011740 LDA SHOMN
2A38 2980      011750 AND #128
2A3A C900      011760 CMP #0
2A3C F010      011770 BEQ SW2
2A3E A5B0      011780 LDA SHOMN
2A40 18        011790 CLC
2A41 6912      011800 ADC #18
2A43 C9DA      011810 CMP #218
2A45 D002      011820 BNE SW1
2A47 A948      011830 LDA #72
2A49          011840 SW1
2A49 85B0      011850 STA SHOMN
2A4B 4C5B2A    011860 JMP SW4
2A4E          011870 SW2
2A4E A5B0      011880 LDA SHOMN
2A50 38        011890 SEC
2A51 E912      011900 SBC #18
2A53 C9EE      011910 CMP #238
2A55 D002      011920 BNE SW3
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2A57	A980	011930	LDA	#128
2A59		011940	SW3	
2A59	85B0	011950	STA	SHOMN
2A5B		011960	SW4	
2A5B	A920	011970	LDA	#32
2A5D	8580	011980	STA	LOA
2A5F	A93C	011990	LDA	#60
2A61	8581	012000	STA	HIA
2A63	A59C	012010	LDA	MVE
2A65	C908	012020	CMP	#8
2A67	D008	012030	BNE	SW5
2A69	A960	012040	LDA	#96
2A6B	8582	012050	STA	LO
2A6D	A937	012060	LDA	#55
2A6F	8583	012070	STA	HI
2A71		012080	SW5	
2A71	C904	012090	CMP	#4
2A73	D008	012100	BNE	SW6
2A75	A900	012110	LDA	#0
2A77	8582	012120	STA	LO
2A79	A934	012130	LDA	#52
2A7B	8583	012140	STA	HI
2A7D		012150	SW6	
2A7D	C902	012160	CMP	#2
2A7F	D008	012170	BNE	SW7
2A81		012180	SW6A	
2A81	A920	012190	LDA	#32
2A83	8582	012200	STA	LO
2A85	A935	012210	LDA	#53
2A87	8583	012220	STA	HI
2A89		012230	SW7	
2A89	C901	012240	CMP	#1
2A8B	D008	012250	BNE	SW8
2A8D	A940	012260	LDA	#64
2A8F	8582	012270	STA	LO
2A91	A936	012280	LDA	#54
2A93	8583	012290	STA	HI
2A95		012300	SW8	
2A95	C900	012310	CMP	#0
2A97	D003	012320	BNE	SW9
2A99	4C812A	012330	JMP	SW6A
2A9C		012340	SW9	
2A9C	A5B0	012350	LDA	SHOMN
2A9E	297F	012360	AND	#127
2AA0	18	012370	CLC	
2AA1	6582	012380	ADC	LO
2AA3	9002	012390	BCC	SW10
2AA5	E683	012400	INC	HI
2AA7		012410	SW10	
2AA7	8582	012420	STA	LO
2AA9	A580	012430	LDA	LOA
2AAB	18	012440	CLC	
2AAC	6596	012450	ADC	MNY
2AAE	9002	012460	BCC	SW11
2AB0	E681	012470	INC	HIA
2AB2		012480	SW11	
2AB2	8580	012490	STA	LOA
2AB4	A200	012500	LDX	#0

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```
2AB6      012510 SW12
2AB6 A000    012520 LDY #0
2AB8      012530 SW13
2AB8 B182    012540 LDA (L0),Y
2ABA 9180    012550 STA (LOA),Y
2ABC C8      012560 INY
2ABD C012    012570 CPY #18
2ABF D0F7    012580 BNE SW13
2AC1 A582    012590 LDA L0
2AC3 18      012600 CLC
2AC4 695A    012610 ADC #90
2AC6 9002    012620 BCC SW14
2AC8 E683    012630 INC HI
2ACA      012640 SW14
2ACA 8582    012650 STA L0
2ACC E681    012660 INC HIA
2ACE E8      012670 INX
2ACF E003    012680 CPX #3
2AD1 D0E3    012690 BNE SW12
2AD3 60      012700 RTS
2AD4      012710 PCLR
2AD4 A920    012720 LDA #32
2AD6 8580    012730 STA LOA
2AD8 A93C    012740 LDA #60
2ADA 8581    012750 STA HIA
2ADC A200    012760 LDH #0
2ADE 8E1ED0  012770 STX 53278
2AE1      012780 PC1
2AE1 A000    012790 LDY #0
2AE3 A900    012800 LDA #0
2AE5      012810 PC2
2AE5 9180    012820 STA (LOA),Y
2AE7 C8      012830 INY
2AE8 C0AA    012840 CPY #170
2AEA D0F9    012850 BNE PC2
2AEC E681    012860 INC HIA
2AEE E8      012870 INX
2AEF E003    012880 CPX #3
2AF1 D0EE    012890 BNE PC1
2AF3 60      012900 RTS
                012910 ;
                012920 ; Move Monsters Around
                012930 ;
2AF4      012940 H
2AF4 A900    012950 LDA #0
2AF6 8589    012960 STA V4
2AF8 B5B8    012970 LDA BDH,X
2AFA 38      012980 SEC
2AFB C597    012990 CMP MNXA
2AFD 900C    013000 BCC H1
2AFF 38      013010 SEC
2B00 E597    013020 SBC MNXA
2B02 8586    013030 STA V1
2B04 A904    013040 LDA #4
2B06 85A4    013050 STA THY
2B08 4C162B  013060 JMP H2
2B0B      013070 H1
2B0B A597    013080 LDA MNXA
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2B0D 38	013090	SEC	
2B0E F5B8	013100	SBC	BDX,X
2B10 8586	013110	STA	U1
2B12 A908	013120	LDA	#8
2B14 85A4	013130	STA	TXY
2B16	013140		
2B16 B5D8	013150	H2 LDA	BDY,X
2B18 38	013160	SEC	
2B19 C598	013170	CMP	MNYA
2B1B 900F	013180	BCC	H3
2B1D 38	013190	SEC	
2B1E E598	013200	SBC	MNYA
2B20 8587	013210	STA	U2
2B22 A5A4	013220	LDA	TXY
2B24 18	013230	CLC	
2B25 6901	013240	ADC	#1
2B27 85A4	013250	STA	TXY
2B29 4C3A2B	013260	JMP	H4
2B2C	013270	H3	
2B2C A598	013280	LDA	MNYA
2B2E 38	013290	SEC	
2B2F F5D8	013300	SBC	BDY,X
2B31 8587	013310	STA	U2
2B33 A5A4	013320	LDA	TXY
2B35 18	013330	CLC	
2B36 6902	013340	ADC	#2
2B38 85A4	013350	STA	TXY
2B3A	013360	H4	
2B3A A587	013370	LDA	U2
2B3C 38	013380	SEC	
2B3D C586	013390	CMP	U1
2B3F B023	013400	BCS	H8
2B41	013410	H5	
2B41 A90C	013420	LDA	#12
2B43 858A	013430	STA	U5
2B45 20D32B	013440	JSR	CK
2B48 C901	013450	CMP	#1
2B4A D003	013460	BNE	H6
2B4C 4C8A2B	013470	JMP	H11
2B4F	013480	H6	
2B4F A903	013490	LDA	#3
2B51 858A	013500	STA	U5
2B53 20D32B	013510	JSR	CK
2B56 C901	013520	CMP	#1
2B58 D003	013530	BNE	H7
2B5A 4C8A2B	013540	JMP	H11
2B5D	013550	H7	
2B5D A5A4	013560	LDA	TXY
2B5F 202B28	013570	JSR	REVER5
2B62 85A4	013580	STA	TXY
2B64	013590	H8	
2B64 A903	013600	LDA	#3
2B66 858A	013610	STA	U5
2B68 20D32B	013620	JSR	CK
2B6B C901	013630	CMP	#1
2B6D D003	013640	BNE	H9
2B6F 4C8A2B	013650	JMP	H11
2B72	013660	H9	

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```
2B72 A90C      013670    LDA #12
2B74 858A      013680    STA U5
2B76 20D32B    013690    JSR CK
2B79 C901      013700    CMP #1
2B7B D003      013710    BNE H10
2B7D 4C8A2B    013720    JMP H11
2B80           013730    H10
2B80 A5A4      013740    LDA TXY
2B82 202B28    013750    JSR REVERS
2B85 85A4      013760    STA TXY
2B87 4C412B    013770    JMP H5
2B8A           013780    H11
2B8A B5B8      013790    LDA BDX,X
2B8C 858F      013800    STA XCL
2B8E B5D8      013810    LDA BDY,X
2B90 8590      013820    STA YRW
2B92 BD0006    013830    LDA BDX,Y,X
2B95 20FE27    013840    JSR FND1A
2B98 A58F      013850    LDA XCL
2B9A 95B8      013860    STA BDX,X
2B9C A590      013870    LDA YRW
2B9E 95D8      013880    STA BDY,X
2BA0 60        013890    RTS
2BA1           013900    RANDOM
2BA1 A900      013910    LDA #0
2BA3 8589      013920    STA U4
2BA5 AD0AD2    013930    LDA 53770
2BA8 2903      013940    AND #3
2BA9 C900      013950    CMP #0
2BAC D002      013960    BNE RM1
2BAE A005      013970    LDY #5
2BB0           013980    RM1
2BB0 C901      013990    CMP #1
2BB2 D002      014000    BNE RM2
2BB4 A009      014010    LDY #9
2BB6           014020    RM2
2BB6 C902      014030    CMP #2
2BB8 D002      014040    BNE RM3
2BBA A006      014050    LDY #6
2BBC           014060    RM3
2BBC C903      014070    CMP #3
2BBE D002      014080    BNE RM4
2BC0 A00A      014090    LDY #10
2BC2           014100    RM4
2BC2 84A4      014110    STY TXY
2BC4 AD0AD2    014120    LDA 53770
2BC7 2901      014130    AND #1
2BC9 C900      014140    CMP #0
2BCB F003      014150    BEQ RM5
2BCD 4C412B    014160    JMP H5
2BD0           014170    RM5
2BD0 4C642B    014180    JMP H8
2BD3           014190    CK
2BD3 A900      014200    LDA #0
2BD5 85A5      014210    STA JUMP
2BD7 E689      014220    INC U4
2BD9 A904      014230    LDA #4
2BDB 38        014240    SEC
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2BDC C589	014250	CMP	U4
2BDE 9010	014260	BCC	CK1
2BE0 8D0006	014270	LDA	BDXY,X
2BE3 202B28	014280	JSR	REVERS
2BE6 8588	014290	STA	U3
2BE8 A5A4	014300	LDA	TXY
2BEA 258A	014310	AND	U5
2BEC C588	014320	CMP	U3
2BEE F037	014330	BEQ	CK2
2BF0	014340	CK1	
2BF0 B5B8	014350	LDA	BDX,X
2BF2 858F	014360	STA	XCL
2BF4 B5D8	014370	LDA	BDY,X
2BF6 8590	014380	STA	YRW
2BF8 A5A4	014390	LDA	TXY
2BFA 258A	014400	AND	U5
2BFC 20FB27	014410	JSR	FND
2BFF 202926	014420	JSR	X96
2C02 B180	014430	LDA	(L0A),Y
2C04 C900	014440	CMP	#0
2C06 F014	014450	BEQ	C3
2C08 38	014460	SEC	
2C09 C9A6	014470	CMP	#166
2C0B 9005	014480	BCC	CA
2C0D 38	014490	SEC	
2C0E C9C1	014500	CMP	#193
2C10 9015	014510	BCC	CK2
2C12	014520	CA	
2C12 38	014530	SEC	
2C13 C937	014540	CMP	#55
2C15 9010	014550	BCC	CK2
2C17 38	014560	SEC	
2C18 C9E7	014570	CMP	#231
2C1A B00B	014580	BC5	CK2
2C1C	014590	C3	
2C1C A901	014600	LDA	#1
2C1E 85A5	014610	STA	JUMP
2C20 A5A4	014620	LDA	TXY
2C22 258A	014630	AND	U5
2C24 9D0006	014640	STA	BDXY,X
2C27	014650	CK2	
2C27 A5A5	014660	LDA	JUMP
2C29 60	014670	RTS	
2C2A	014680	BT	
2C2A A900	014690	LDA	#0
2C2C 85A6	014700	STA	CNTR
2C2E A6A7	014710	LDX	XCNT
2C30	014720	B1	
2C30 BD4006	014730	LDA	ALU,X
2C33 C900	014740	CMP	#0
2C35 D041	014750	BNE	BT1
2C37 AD0AD2	014760	LDA	S3770
2C3A 38	014770	SEC	
2C3B C5B1	014780	CMP	LVL
2C3D 9003	014790	BCC	B1A
2C3F 4C382D	014800	JMP	B12
2C42	014810	B1A	
2C42 A5B3	014820	LDA	NOW

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```
2C44 38          014830    SEC
2C45 C980        014840    CMP #128
2C47 B003        014850    BCS B1T
2C49 4C382D      014860    JMP B12
2C4C            014870    B1T
2C4C AD0AD2      014880    LDA 53770
2C4F 2901        014890    AND #1
2C51 C901        014900    CMP #1
2C53 F018        014910    BEQ BT0
2C55 A59D        014920    LDA GX1
2C57 95B8        014930    STA BDX,X
2C59 A59E        014940    LDA GY1
2C5B 95D8        014950    STA BDY,X
2C5D            014960    BTA
2C5D A5B1        014970    LDA LVL
2C5F 2D0AD2      014980    AND 53770
2C62 2903        014990    AND #3
2C64 18          015000    CLC
2C65 6901        015010    ADC #1
2C67 9D4006      015020    STA ALU,X
2C6A 4C782C      015030    JMP BT1
2C6D            015040    BT0
2C6D A59F        015050    LDA GX2
2C6F 95B8        015060    STA BDX,X
2C71 A5A0        015070    LDA GY2
2C73 95D8        015080    STA BDY,X
2C75 4C5D2C      015090    JMP BTA
2C78            015100    BT1
2C78 B5D8        015110    LDA BDY,X
2C7A 8590        015120    STA YRW
2C7C B5B8        015130    LDA BDX,X
2C7E 858F        015140    STA XCL
2C80 20CA28      015150    JSR CLR
2C83 B5B8        015160    LDA BDX,X
2C85 2901        015170    AND #1
2C87 C900        015180    CMP #0
2C89 F003        015190    BEQ BT2
2C8B 4C902D      015200    JMP B14
2C8E            015210    BT2
2C8E B5D8        015220    LDA BDY,X
2C90 2901        015230    AND #1
2C92 C900        015240    CMP #0
2C94 F003        015250    BEQ BT3
2C96 4C902D      015260    JMP B14
                015270    ;
                015280    ; If Monster can see Man,
                015290    ; have all Monsters find
                015300    ; their way to where Man
                015310    ; was seen last.
                015320    ;
2C99            015330    BT3
2C99 B5B8        015340    LDA BDX,X
2C9B C593        015350    CMP XPO5
2C9D D039        015360    BNE BT5
2C9F B5D8        015370    LDA BDY,X
2CA1 38          015380    SEC
2CA2 C58D        015390    CMP V8
2CA4 9032        015400    BCC BT5
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2CA6 38	015410	SEC	
2CA7 C58E	015420	CMP	U9
2CA9 B02D	015430	BCS	BT5
2CAB A594	015440	LDA	YPO5
2CAD 38	015450	SEC	
2CAE D5D8	015460	CMP	BDY,X
2CB0 900A	015470	BCC	BT6
2CB2 BD0006	015480	LDA	BDXY,X
2CB5 C901	015490	CMP	#1
2CB7 F01F	015500	BEQ	BT5
2CB9 4CC32C	015510	JMP	B7
2CBC	015520	BT6	
2CBC BD0006	015530	LDA	BDXY,X
2CBF C902	015540	CMP	#2
2CC1 F015	015550	BEQ	BT5
2CC3	015560	B7	
2CC3 A901	015570	LDA	#1
2CC5 85AC	015580	STA	SP0T
2CC7 85AD	015590	STA	SP0T2
2CC9 A000	015600	LDY	#0
2CCB A901	015610	LDA	#1
2CCD	015620	BT4	
2CCD 992006	015630	STA	BDG,Y
2CD0 C8	015640	INY	
2CD1 C020	015650	CPY	#32
2CD3 D0F8	015660	BNE	BT4
2CD5 4C052D	015670	JMP	B9
2CD8	015680	BT5	
2CD8 B5D8	015690	LDA	BDY,X
2CDA C594	015700	CMP	YPO5
2CDC D027	015710	BNE	B9
2CDE B5B8	015720	LDA	BDX,X
2CE0 38	015730	SEC	
2CE1 C58B	015740	CMP	U6
2CE3 9020	015750	BCC	B9
2CE5 38	015760	SEC	
2CE6 C58C	015770	CMP	U7
2CE8 B01B	015780	BCS	B9
2CEA A593	015790	LDA	XPO5
2CEC 38	015800	SEC	
2CED D5B8	015810	CMP	BDX,X
2CEF 900A	015820	BCC	B8
2CF1 BD0006	015830	LDA	BDXY,X
2CF4 C904	015840	CMP	#4
2CF6 F00D	015850	BEQ	B9
2CF8 4CC32C	015860	JMP	B7
2CFB	015870	B8	
2CFB BD0006	015880	LDA	BDXY,X
2CFE C908	015890	CMP	#8
2D00 F003	015900	BEQ	B9
2D02 4CC32C	015910	JMP	B7
2D05	015920	B9	
2D05 B5B8	015930	LDA	BDX,X
2D07 C597	015940	CMP	MNXA
2D09 D00B	015950	BNE	B10
2D0B B5D8	015960	LDA	BDY,X
2D0D C598	015970	CMP	MNYA
2D0F D005	015980	BNE	B10

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D1:DUNGEN1.M65-

```
2D11 A900      015990      LDA #0
2D13 9D2006    016000      STA BDG,X
2D16           016010      B10
2D16 A5AC      016020      LDA SPOT
2D18 C900      016030      CMP #0
2D1A F00C      016040      BEQ B10A
2D1C A5AD      016050      LDA SPOT2
2D1E 85AC      016060      STA SPOT
2D20 A593      016070      LDA XP05
2D22 8597      016080      STA MNXA
2D24 A594      016090      LDA YP05
2D26 8598      016100      STA MNXA
2D28           016110      B10A
2D28 BD2006    016120      LDA BDG,X
2D2B C901      016130      CMP #1
2D2D D006      016140      BNE B11
2D2F 20F42A    016150      JSR H
2D32 4C382D    016160      JMP B12
2D35           016170      B11
2D35 20A12B    016180      JSR RANDOM
2D38           016190      B12
2D38 A900      016200      LDA #0
2D3A 8587      016210      STA V2
2D3C           016220      B12A
2D3C BD4006    016230      LDA ALU,X
2D3F C900      016240      CMP #0
2D41 F036      016250      BEQ B15
2D43 C901      016260      CMP #1
2D45 D005      016270      BNE B16
2D47 A938      016280      LDA #56
2D49 4C572D    016290      JMP B20
2D4C           016300      B16
2D4C C902      016310      CMP #2
2D4E D005      016320      BNE B17
2D50 A9C8      016330      LDA #200
2D52 4C572D    016340      JMP B20
2D55           016350      B17
2D55 A9D8      016360      LDA #216
2D57           016370      B20
2D57 8586      016380      STA V1
2D59 BD0006    016390      LDA BDXY,X
2D5C 2908      016400      AND #8
2D5E C908      016410      CMP #8
2D60 D007      016420      BNE B21
2D62 A586      016430      LDA V1
2D64 18        016440      CLC
2D65 6904      016450      ADC #4
2D67 8586      016460      STA V1
2D69           016470      B21
2D69 B5B8      016480      LDA BDY,X
2D6B 858F      016490      STA XCL
2D6D B5D8      016500      LDA BDY,X
2D6F 8590      016510      STA YRW
2D71 A586      016520      LDA V1
2D73 18        016530      CLC
2D74 6587      016540      ADC V2
2D76 201E25    016550      JSR W91
2D79           016560      B15
```

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2D79	E8	016570	INX	
2D7A	E020	016580	CPX	#32
2D7C	D004	016590	BNE	BAZ
2D7E	A200	016600	LDX	#0
2D80	86AD	016610	STX	SPOT2
2D82		016620	BAZ	
2D82	E6A6	016630	INC	CNTR
2D84	A908	016640	LDA	#8
2D86	C5A6	016650	CMP	CNTR
2D88	F003	016660	BEQ	B13
2D8A	4C302C	016670	JMP	B1
2D8D		016680	B13	
2D8D	86A7	016690	STX	XCNT
2D8F	60	016700	RTS	
2D90		016710	B14	
2D90	208A2B	016720	JSR	H11
2D93	A908	016730	LDA	#8
2D95	8587	016740	STA	V2
2D97	4C3C2D	016750	JMP	B12A
		016760	;	
		016770	;	SHOOT
		016780	;	
2D9A		016790	SHT	
2D9A	AD00D3	016800	LDA	54016
2D9D	4A	016810	LSR	A
2D9E	4A	016820	LSR	A
2D9F	4A	016830	LSR	A
2DA0	4A	016840	LSR	A
2DA1	8586	016850	STA	V1
2DA3	290C	016860	AND	#12
2DA5	490C	016870	EOR	#12
2DA7	C900	016880	CMP	#0
2DA9	F005	016890	BEQ	SHTB
2DAB	859A	016900	STA	STK1
2DAD	4CD32D	016910	JMP	S1
2DB0		016920	SHTB	
2DB0	A586	016930	LDA	V1
2DB2	2903	016940	AND	#3
2DB4	4903	016950	EOR	#3
2DB6	C900	016960	CMP	#0
2DB8	F005	016970	BEQ	SHTA
2DBA	859A	016980	STA	STK1
2DBC	4CD32D	016990	JMP	S1
2DBF		017000	SHTA	
2DBF	A599	017010	LDA	STK
2DC1	859A	017020	STA	STK1
2DC3	AD10D0	017030	LDA	53264
2DC6	859B	017040	STA	TRGR
2DC8	C900	017050	CMP	#0
2DCA	F007	017060	BEQ	S1
2DCC	A5A3	017070	LDA	BLTXV
2DCE	C900	017080	CMP	#0
2DD0	D028	017090	BNE	S3
2DD2	60	017100	RTS	
2DD3		017110	S1	
2DD3	A5A3	017120	LDA	BLTXV
2DD5	C900	017130	CMP	#0
2DD7	F003	017140	BEQ	S2

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D1:DUNGEN1.M65-

```
2DD9 4CFA2D      017150      JMP 53
2DDC             017160      52
2DDC A59A        017170      LDA STK1
2DDE C900        017180      CMP #0
2DE0 D001        017190      BNE 52A
2DE2 60          017200      RTS
2DE3             017210      52A
2DE3 A593        017220      LDA XPO5
2DE5 85A1        017230      STA BLTX
2DE7 A594        017240      LDA YPO5
2DE9 85A2        017250      STA BLTY
2DEB A59A        017260      LDA STK1
2DED 85A3        017270      STA BLTXY
2DEF 204528      017280      JSR PLY
2DF2 A9C0        017290      LDA #192
2DF4 8584        017300      STA LOC
2DF6 A988        017310      LDA #136
2DF8 85AA        017320      STA PLAY
2DFA             017330      53
2DFA A5A1        017340      LDA BLTX
2DFC 858F        017350      STA XCL
2DFE A5A2        017360      LDA BLTY
2E00 8590        017370      STA YRW
2E02 202926      017380      JSR X96
2E05 A900        017390      LDA #0
2E07 9180        017400      STA (LOA),Y
2E09 A5A3        017410      LDA BLTXY
2E0B 20FE27      017420      JSR FND1A
2E0E 202926      017430      JSR X96
2E11 B180        017440      LDA (LOA),Y
2E13 C900        017450      CMP #0
2E15 F007        017460      BEQ 54
2E17 A900        017470      LDA #0
2E19 85A3        017480      STA BLTXY
2E1B 4C2A2E      017490      JMP 545
2E1E             017500      54
2E1E A937        017510      LDA #55
2E20 9180        017520      STA (LOA),Y
2E22 A58F        017530      LDA XCL
2E24 85A1        017540      STA BLTX
2E26 A590        017550      LDA YRW
2E28 85A2        017560      STA BLTY
2E2A             017570      545
2E2A A000        017580      LDY #0
2E2C A58F        017590      LDA XCL
2E2E 8591        017600      STA CLX
2E30 A590        017610      LDA YRW
2E32 8592        017620      STA RWY
2E34             017630      55
2E34 A591        017640      LDA CLX
2E36 858F        017650      STA XCL
2E38 A592        017660      LDA RWY
2E3A 8590        017670      STA YRW
2E3C B9B800      017680      LDA BDY,Y
2E3F 8586        017690      STA V1
2E41 A58F        017700      LDA XCL
2E43 C586        017710      CMP V1
2E45 F007        017720      BEQ 55A
```

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```
2E47 38          017730      SEC
2E48 E901        017740      SBC #1
2E4A C586        017750      CMP U1
2E4C D03F        017760      BNE S6
2E4E            017770      S5A
2E4E B9D800      017780      LDA BDY,Y
2E51 8586        017790      STA U1
2E53 A590        017800      LDA YRW
2E55 C586        017810      CMP U1
2E57 F007        017820      BEQ S5B
2E59 38          017830      SEC
2E5A E901        017840      SBC #1
2E5C C586        017850      CMP U1
2E5E D02D        017860      BNE S6
2E60            017870      S5B
2E60 B94006      017880      LDA ALV,Y
2E63 C900        017890      CMP #0
2E65 F026        017900      BEQ S6
2E67 A900        017910      LDA #0
2E69 994006      017920      STA ALV,Y
2E6C 204528      017930      JSR PLY
2E6F A988        017940      LDA #136
2E71 85AA        017950      STA PLAY
2E73 A9D8        017960      LDA #216
2E75 8584        017970      STA LOC
2E77 A206        017980      LDY #6
2E79 20DE28      017990      JSR SCR
2E7C B9B800      018000      LDA BDY,Y
2E7F 858F        018010      STA XCL
2E81 B9D800      018020      LDA BDY,Y
2E84 8590        018030      STA YRW
2E86 848A        018040      STY U5
2E88 20CA28      018050      JSR CLR
2E8B A48A        018060      LDY U5
2E8D            018070      S6
2E8D C8          018080      INY
2E8E C020        018090      CPY #32
2E90 D0A2        018100      BNE S5
2E92 60          018110      RTS
                018120      ;
                018130      ; Check speed to determine
                018140      ; when to move the Monsters
                018150      ;
2E93            018160      Q
2E93 A5A8        018170      LDA TIMES
2E95 18          018180      CLC
2E96 65A9        018190      ADC SPEED
2E98 85A8        018200      STA TIMES
2E9A 38          018210      SEC
2E9B C90B        018220      CMP #11
2E9D B001        018230      BCS Q1
2E9F 60          018240      RTS
2EA0            018250      Q1
2EA0 38          018260      SEC
2EA1 E90C        018270      SBC #12
2EA3 85A8        018280      STA TIMES
2EA5 208626      018290      JSR ST
2EA8 202A2C      018300      JSR BT
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```
2EAB 60          018310    RTS
2EAC            018320    LP
2EAC 20B427      018330    JSR INT2
2EAF 20A923      018340    JSR W
2EB2 A99D        018350    LDA #157
2EB4 8D9838      018360    STA SCR5+10
2EB7 8D9938      018370    STA SCR5+11
2EBA A903        018380    LDA #3
2EBC 85B2        018390    STA LIVES
2EBE A20B        018400    LDX #11
2EC0 20DE28      018410    JSR SCR
2EC3 206023      018420    JSR ITA
2EC6 A900        018430    LDA #0
2EC8 8D1ED0      018440    STA 53278
                018450    ;
                018460    ; MAIN CONTROL LOOP OF PROGRAM
                018470    ;
2ECB            018480    LP2
2ECB AD05D0      018490    LDA 53253
2ECE 2906        018500    AND #6
2ED0 C900        018510    CMP #0
2ED2 F051        018520    BEQ LP5
2ED4 C6B2        018530    DEC LIVES
2ED6 A98A        018540    LDA #138
2ED8 8D01D2      018550    STA 53761
2EDB 8514        018560    STA 20
2EDD            018570    LPT
2EDD A514        018580    LDA 20
2EDF 8D00D2      018590    STA 53760
2EE2 C9FF        018600    CMP #255
2EE4 D0F7        018610    BNE LPT
2EE6 A900        018620    LDA #0
2EE8 8D01D2      018630    STA 53761
2EEB C5B2        018640    CMP LIVES
2EED D033        018650    BNE LP6
2EEF A200        018660    LDX #0
2EF1            018670    LP0
2EF1 BD8E38      018680    LDA SCR5,X
2EF4 38          018690    SEC
2EF5 E90D        018700    SBC #13
2EF7 9D0739      018710    STA 14599,X
2EFA E8          018720    INX
2EFB E007        018730    CPX #7
2EFD D0F2        018740    BNE LP0
2EFF 20D42A      018750    JSR PCLR
2F02 A9E0        018760    LDA #224
2F04 8DF402      018770    STA 756
2F07 A947        018780    LDA #71
2F09 8D3002      018790    STA 560
2F0C A922        018800    LDA #34
2F0E 8D3102      018810    STA 561
2F11 A900        018820    LDA #0
2F13 8DC402      018830    STA 708
2F16 8513        018840    STA 19
2F18 8DC502      018850    STA 709
2F1B            018860    LPR
2F1B A513        018870    LDA 19
2F1D C903        018880    CMP #3
```

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D1:DUNGEN1.M65-

2F1F D0FA	018890	BNE	LPR
2F21 60	018900	RTS	
2F22	018910	LP6	
2F22 206023	018920	JSR	ITA
2F25	018930	LP5	
2F25 201B29	018940	JSR	MN
2F28 E6B3	018950	INC	NOW
2F2A A900	018960	LDA	#0
2F2C 854D	018970	STA	77
2F2E 8D1ED0	018980	STA	53278
2F31 A514	018990	LDA	20
2F33 38	019000	SEC	
2F34 C908	019010	CMP	#8
2F36 901A	019020	BCC	Q9
2F38 A900	019030	LDA	#0
2F3A 8514	019040	STA	20
2F3C A4AB	019050	LDY	SNGX
2F3E C000	019060	CPY	#0
2F40 F010	019070	BEQ	Q9
2F42 88	019080	DEY	
2F43 84AB	019090	STY	SNGX
2F45 B184	019100	LDA	(LOC),Y
2F47 8D00D2	019110	STA	53760
2F4A A6AA	019120	LDX	PLAY
2F4C CA	019130	DEX	
2F4D 86AA	019140	STX	PLAY
2F4F 8E01D2	019150	STX	53761
2F52	019160	Q9	
2F52 209A2D	019170	JSR	SHT
2F55 20932E	019180	JSR	Q
2F58 20932E	019190	JSR	Q
2F5B A220	019200	LDX	#32
2F5D	019210	LP4	
2F5D A020	019220	LDY	#32
2F5F	019230	LP3	
2F5F 88	019240	DEY	
2F60 C4A9	019250	CPY	SPEED
2F62 D0FB	019260	BNE	LP3
2F64 CA	019270	DEX	
2F65 E4A9	019280	CPX	SPEED
2F67 D0F4	019290	BNE	LP4
2F69 A5AE	019300	LDA	OVER
2F6B C900	019310	CMP	#0
2F6D F042	019320	BEQ	LP1
2F6F E6B1	019330	INC	LVL
2F71 A20B	019340	LDX	#11
2F73 20DE28	019350	JSR	SCR
2F76 A900	019360	LDA	#0
2F78 8D2F02	019370	STA	559
2F7B 20A923	019380	JSR	W
2F7E A5B1	019390	LDA	LVL
2F80 2903	019400	AND	#3
2F82 C901	019410	CMP	#1
2F84 D021	019420	BNE	LPJ
2F86 A9AA	019430	LDA	#170
2F88 8D01D2	019440	STA	53761
2F8B A9E8	019450	LDA	#232
2F8D 8584	019460	STA	LOC

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```
2F8F A000      019470      LDY #0
2F91 84AB      019480      STY SNGX
2F93          019490      LPH
2F93 A900      019500      LDA #0
2F95 8514      019510      STA 20
2F97 B184      019520      LDA (LOC),Y
2F99 8D00D2    019530      STA 53760
2F9C          019540      LPI
2F9C A514      019550      LDA 20
2F9E C90A      019560      CMP #10
2FA0 D0FA      019570      BNE LPI
2FA2 C8        019580      INY
2FA3 C015      019590      CPY #21
2FA5 D0EC      019600      BNE LPH
2FA7          019610      LPJ
2FA7 A97E      019620      LDA #126
2FA9 8D2F02    019630      STA 559
2FAC A203      019640      LDX #3
2FAE 20DE28    019650      JSR 5CR
2FB1          019660      LPI
2FB1 4CCB2E    019670      JMP LP2
                019680      ;
                019690      ; The Display List
                019700      ; starts at: $2FB4.
                019710      ;
                019720      ; A redefined Character
                019730      ; Set starts at: $3000.
                019740      ;
                019750      ; Miscellaneous data fills
                019760      ; locations $33C0 through
                019770      ; $3881.
                019780      ;
                019790      ; PMBASE is located at $3800.
                019800      ;
                019810      ; The Action Screen is
                019820      ; located at $4000.
                019830      ;
2FB4          019840      .END
```

ASSEMBLY ERRORS: 0 25753 BYTES FREE

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SYMBOLS
D1:DUNGEN1.M65-

27D3 AGN	27B8 AGN2	=0640 ALU	
2C30 B1	2D16 B10	2D28 B10A	2D35 B11
2D38 B12	2D3C B12A	2D8D B13	2D90 B14
2D79 B15	2D4C B16	2D55 B17	2C42 B1A
2C4C B1T	2D57 B20	2D69 B21	2CC3 B7
2CFB B8	2D05 B9	2D82 BAZ	=0620 BDG
=00B8 BDX	=0600 BDXV	=00D8 BDY	=00A1 BLTX
=00A3 BLTXV	=00A2 BLTY	2C2A BT	2C6D BT0
2C78 BT1	2C8E BT2	2C99 BT3	2CCD BT4
2CD8 BT5	2CBC BT6	2C5D BTA	
2C1C C3	2C12 CA	2BD3 CK	2BF0 CK1
2C27 CK2	28CA CLR	=0091 CLX	=00A6 CNTR
=00B7 DHI	=2FB4 DLIST	=00B6 DLO	
287E FDH	2899 FDI	2862 FDK	2869 FDL
289C FDP	284A FDT	27FB FND	2809 FND1
27FE FND1A	280F FND2	2818 FND3	2822 FND4
2828 FND5			
2727 GR	276C GR2	=009D GX1	=009F GX2
=009E GY1	=00A0 GY2		
2AF4 H	2B0B H1	2B80 H10	2B8A H11
2B16 H2	2B2C H3	2B3A H4	2B41 H5
2B4F H6	2B5D H7	2B64 H8	2B72 H9
=0083 HI	=0081 HIA	=0085 HIC	
27AB INT	27B4 INT2	2380 IT	2360 ITA
236A ITB	2371 ITC	2398 ITD	237A ITE
2366 ITF			
=00A5 JUMP			
=00AF KEY			
2637 L1	2644 L2	2653 L3	2668 L4
267A L5	2681 L6	=00B2 LIVES	=0082 L0
=0080 LOA	=0084 LOC	2EAC LP	2FB1 LP1
2ECB LP2	2F5F LP3	2F3D LP4	2F25 LP5
2F22 LP6	2F93 LPH	2F9C LPI	2FA7 LPJ
2EF1 LP0	2F1B LPR	2EDD LPT	2617 LTW
=00B1 LUL			
291B MN	2944 MN1	29D8 MN10	29DE MN11
29E5 MN11A	29F5 MN12	29F9 MN13	2A11 MN14
2A20 MN15	2A2D MN16	294D MN2	2960 MN3
2974 MN4	2999 MN5	29A0 MN6	29B1 MN7
29CA MN8	29D1 MN9	29AD MNA	=0095 MNX
=0097 MNXA	=0096 MNY	=0098 MNVA	=009C MVE
=00B3 NOW	27E7 NXT		
=00AE OVER			
2AE1 PC1	2AE5 PC2	2AD4 PCLR	=00AA PLAY
2845 PLY	25F7 PTW		
2E93 Q	2EA0 Q1	2F52 Q9	
2BA1 RANDOM	282B REVERS	2B80 RM1	2BB6 RM2
2BBC RM3	2BC2 RM4	2BD0 RM5	22CE RPT
22D0 RPTA	2620 RTW	2835 RV51	2841 RV52
=0092 RWY			
2DD3 S1	2DDC S2	2DE3 S2A	2DFA S3
2E1E S4	2E2A S45	2E34 S5	2E4E S5A
2E60 S5B	2E8D S6	28DE SCR	28E2 SCR1
2912 SCR2	2915 SCR3	2900 SCR4	=388E SCR5
=E45C SEVBV	=00B0 SHOMN	2D9A SHT	2DBF SHTA
2DB0 SHTB	=00AB SNGX	=00A9 SPEED	=00AC SPOT
=00AD SPOT2	233B SRT	2686 ST	268F ST2

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SYMBOLS
D1:DUNGEN1.M65-

26A5 ST3
2719 ST97
=009A STK1
2A49 SW1
2AB8 SW13
2A5B SW4
2A89 SW7
=00A8 TIMES
=0086 V1
=008A V5
=008E V9
23A9 W
2561 W12
258F W16
23E1 W2
2540 W32
2516 W40
247C W46
24A5 W7
24F3 W60
2629 X96
=0094 YP05
26FB Z1
292A ZX

26BB ST4
2716 ST98
22F9 STR
2AA7 SW10
2ACA SW14
2A71 SW5
2A95 SW8
=0098 TRGR
=0087 U2
=008B U6
27C5 VBK
23E3 W1
256B W13
25D3 W17
259D W20
2518 W36
2581 W41
2433 W49
24C1 W8
24A9 WLR
=008F XCL
=0090 YRW
26F6 Z2
2931 ZZ

26D1 ST5
26DF ST99
231C STRT
2AB2 SW11
2A4E SW2
2A7D SW6
2A9C SW9
=00A4 THY
=0088 U3
=008C U7
24D5 W10
2577 W14
25D5 W18
23FF W3
2509 W39
2464 W43
248F W5
24CB W9
2546 WUP
=00A7 XCNT
2704 Z3

2713 ST96
=0099 STK
2A30 SW
2AB6 SW12
2A59 SW3
2A81 SW6A
=E45F SYSUBV
=0089 V4
=008D V8
24DF W11
2584 W15
25F6 W19
2500 W30
2417 W4
2466 W45
249A W6
251E W91
=0093 XP05
2706 Z4