

00C7: 58 H1P4 DS 2
00C9: 59 H1P5 DS 2
00CB: 60 H1P6 DS 2
00CD: 61 H1P7 DS 2
00CF: 62 H2P0 DS 2
00D1: 63 H2P1 DS 2
00D3: 64 H2P2 DS 2
00D5: 65 H2P3 DS 2
00D7: 66 H2P4 DS 2
00D9: 67 H2P5 DS 2
00DB: 68 H2P6 DS 2
00DD: 69 H2P7 DS 2
00DF: 70 CUB00 DS 1
00E0: 71 CUB01 DS 1
00E1: 72 CUB02 DS 1
00E2: 73 CUB03 DS 1
00E3: 74 CUB04 DS 1
00E4: 75 CUB05 DS 1
00E5: 76 CUB06 DS 1
00E6: 77 CUB07 DS 1
00E7: 78 CUB08 DS 1
00E8: 79 CUB09 DS 1
00E9: 80 CUB10 DS 1
00EA: 81 CUB11 DS 1
00EB: 82 CUB12 DS 1
00EC: 83 CUB13 DS 1
00ED: 84 CUB14 DS 1
00EE: 85 CUB15 DS 1
00EF: 86 CUB16 DS 1
00F0: 87 ;
00F0: 88 ;
00F0: 89 TEMP DS 6
00F1: 90 TEMP1 EQU TEMP+1
00F6: 91 ;
00FF: 92 ORG \$FF
00FF: 93 STACK DS 1
0000: 94 DEND


```
0000:          96          CHN  SCREENMASKS
0000:          1 ;SCREENMASKS
0000:          2 ;
0000:          3 ;NOW.AT.$1000
0000:          4 ;
0000:          5 ;
----- NEXT OBJECT FILE NAME IS MAINSK2.OBJO
1000:          6          ORG  $1000
1000:          7 ;
1000:          8 ;ORGRB EQU >*
1000:          9 ;DS 256-ORGRB
1000:00 00 00    10          DFB  0,0,0,0,0,0,0,0,0,0
1003:00 00 00
1006:00 00 00
1009:00
100A:00 00 00    11          DFB  0,0,0,0,0,0,0,0,0,0
100D:00 00 00
1010:00 00 00
1013:00
1014:00 00 00    12          DFB  0,0,0,0,0,0,0,0,0,0
1017:00 00 00
101A:00 00
101C:          13 RATBALLA EQU *
101C:3C 7E 7E    14          DFB  $3C,$7E,$7E,$FF,$FF,$FF
101F:FF FF FF
1022:FF BF FF    15          DFB  $FF,$BF,$FF,$5E,$66,$3C
1025:5E 66 3C
1028:00 00 00    16          DFB  0,0,0,0,0,0,0,0,0,0
102B:00 00 00
102E:00 00 00
1031:00
1032:00 00 00    17          DFB  0,0,0,0,0,0,0,0,0,0
1035:00 00 00
1038:00 00 00
103B:00
103C:00 00 00    18          DFB  0,0,0,0
103F:00
1040:          19 ;RATEBALLB DFB $3C,$7E,$FF,$FF,$BF,$FF
1040:          20 ;DFB $DF,$66,$3C,0,0,0
1040:          21 ;DFB 0,0,0,0,0,0,0,0,0,0
1040:          22 ;DFB 0,0,0,0,0,0,0,0,0,0
1040:          23 ;DFB 0,0,0,0
1040:          24 RATBSQU EQU *
1040:04 12 2A    25          DFB  $04,$12,$2A,$24,$51,$7F
1043:24 51 7F
1046:5D 7F 3E    26          DFB  $5D,$7F,$3E,$3E,$3C,$7E
1049:3E 3C 7E
104C:DB BD 1E    27          DFB  $DB,$BD,$1E,$7E,$FE,$9C
104F:7E FE 9C
1052:3E 77 77    28          DFB  $3E,$77,$77,$77,$22
1055:77 22
1057:00 00 00    29          DFB  0,0,0,0
105A:00
105B:00 00 00    30          DFB  0,0,0,0,0,0,0,0,0,0
105E:00 00 00
1061:00 00 00
1064:00
1065:00 00 00    31          DFB  0,0,0,0,0,0,0,0,0,0
```


1068:00 00 00
106B:00 00 00

106E:00

106F:00 00 00 32 DFB 0,0,0,0

1072:00

1073: 33 RATBSTAN EQU *

1073:08 08 04 34 DFB \$08,\$08,\$04,\$04,\$08,\$10

1076:04 08 10

1079:10 08 2A 35 DFB \$10,\$08,\$2A,\$7F,\$5D,\$3E

107C:7F 5D 3E

107F:3E 3E BD 36 DFB \$3E,\$3E,\$BD,\$FF,\$5A,\$3C

1082:FF 5A 3C

1085:1E 7E FE 37 DFB \$1E,\$7E,\$FE,\$9C,\$3E,\$77

1088:9C 3E 77

108B:77 77 22 38 DFB \$77,\$77,\$22

108E:00 00 00 39 DFB 0,0,0,0,0,0,0,0,0,0

1091:00 00 00

1094:00 00 00

1097:00

1098:00 00 00 40 DFB 0,0,0,0,0,0,0,0,0,0

109B:00 00 00

109E:00 00 00

10A1:00

10A2:00 00 00 41 DFB 0,0,0,0

10A5:00

10A6: 42 RATFSQU EQU *

10A6:08 24 54 43 DFB \$08,\$24,\$54,\$48,\$A2,\$FE

10A9:48 A2 FE

10AC:BA FE 7C 44 DFB \$BA,\$FE,\$7C,\$7C,\$3C,\$3E

10AF:7C 3C 3E

10B2:5B E9 E4 45 DFB \$5B,\$E9,\$E4,\$74,\$3C,\$14

10B5:74 3C 14

10B8:7C EE EE 46 DFB \$7C,\$EE,\$EE,\$EE,\$44

10BB:EE 44

10BD:00 00 00 47 DFB 0,0,0,0

10C0:00

10C1:00 00 00 48 DFB 0,0,0,0,0,0,0,0,0,0

10C4:00 00 00

10C7:00 00 00

10CA:00

10CB:00 00 00 49 DFB 0,0,0,0,0,0,0,0,0,0

10CE:00 00 00

10D1:00 00 00

10D4:00

10D5:00 00 00 50 DFB 0,0,0,0

10D8:00

10D9:10 10 08 51 RATFSTAN DFB \$10,\$10,\$08,\$08,\$10,\$20

10DC:08 10 20

10DF:20 10 54 52 DFB \$20,\$10,\$54,\$FE,\$BA,\$7C

10E2:FE BA 7C

10E5:7C 7C 3D 53 DFB \$7C,\$7C,\$3D,\$3F,\$5A,\$E8

10E8:3F 5A E8

10EB:E4 74 3C 54 DFB \$E4,\$74,\$3C,\$14,\$7C,\$EE

10EE:14 7C EE

10F1:EE EE 44 55 DFB \$EE,\$EE,\$44

10F4:00 00 00 56 DFB 0,0,0,0,0,0,0,0,0,0

10F7:00 00 00

10FA:00 00 00

10FD:00

10FE:00 00 00 57 DFB 0,0,0,0,0,0,0,0,0,0

1101:00 00 00

1104:00 00 00

1107:00

1108:00 00 00 58 DFB 0,0,0,0

110B:00

110C: 59 ;

110C: 60 ;

110C: 61 ;

000C: 62 ORGSS EQU >*

110C: 63 ;DS 256-ORGSS

110C:00 00 00 64 DFB 0,0,0,0,0,0,0,0,0,0

110F:00 00 00

1112:00 00 00

1115:00

1116:00 00 00 65 DFB 0,0,0,0,0,0,0,0,0,0

1119:00 00 00

111C:00 00 00

111F:00

1120:00 00 00 66 DFB 0,0,0,0,0,0,0,0,0,0

1123:00 00 00

1126:00 00

1128: 67 ;

1128: 68 ;

1128: 69 ;

1128: 70 SLICKSQU EQU *

1128:58 5C 2E 71 DFB \$58,\$5C,\$2E,\$16,\$1C,\$1C

112B:16 1C 1C

112E:3E 26 02 72 DFB \$3E,\$26,\$02,\$50,\$06,\$3E

1131:50 06 3E

1134:1C 00 00 73 DFB \$1C,0,0

1137:00 00 00 74 DFB 0,0,0,0,0,0,0,0,0,0

113A:00 00 00

113D:00 00 00

1140:00

1141:00 00 00 75 DFB 0,0,0,0,0,0,0,0,0,0

1144:00 00 00

1147:00 00 00

114A:00

114B:00 00 00 76 DFB 0,0,0,0

114E:00

114F: 77 SLICK EQU *

114F:58 5C 2E 78 DFB \$58,\$5C,\$2E,\$16,\$14,\$14

1152:16 14 14

1155:1C 1C 3E 79 DFB \$1C,\$1C,\$3E,\$26,\$02,\$50

1158:26 02 50

115B:06 3E 1C 80 DFB \$06,\$3E,\$1C

115E:00 00 00 81 DFB 0,0,0,0,0,0,0,0,0,0

1161:00 00 00

1164:00 00 00

1167:00

1168:00 00 00 82 DFB 0,0,0,0,0,0,0,0,0,0

116B:00 00 00

116E:00 00 00

1171:00

1172:00 00 00 83 DFB 0,0,0,0

1175:00

1176:	84	SAMSQU	EQU	*
1176:58 5C 2E	85		DFB	\$58,\$5C,\$2E,\$16,\$1C,\$1C
1179:16 1C 1C				
117C:3E 3E 16	86		DFB	\$3E,\$3E,\$16,\$16,\$16,\$3E
117F:16 16 3E				
1182:1C 00 00	87		DFB	\$1C,0,0
1185:00 00 00	88		DFB	0,0,0,0,0,0,0,0,0,0
1188:00 00 00				
118B:00 00 00				
118E:00				
118F:00 00 00	89		DFB	0,0,0,0,0,0,0,0,0,0
1192:00 00 00				
1195:00 00 00				
1198:00				
1199:00 00 00	90		DFB	0,0,0,0
119C:00				
119D:	91	SAM	EQU	*
119D:58 5C 2E	92		DFB	\$58,\$5C,\$2E,\$16,\$14,\$14
11A0:16 14 14				
11A3:1C 1C 3E	93		DFB	\$1C,\$1C,\$3E,\$3E,\$16,\$16
11A6:3E 16 16				
11A9:16 3E 1C	94		DFB	\$16,\$3E,\$1C
11AC:00 00 00	95		DFB	0,0,0,0,0,0,0,0,0,0
11AF:00 00 00				
11B2:00 00 00				
11B5:00				
11B6:00 00 00	96		DFB	0,0,0,0,0,0,0,0,0,0
11B9:00 00 00				
11BC:00 00 00				
11BF:00				
11C0:00 00 00	97		DFB	0,0,0,0
11C3:00				
11C4:	98	HOPSQU	EQU	*
11C4:04 2E 77	99		DFB	\$04,\$2E,\$77,\$1F,\$6C,\$F6
11C7:1F 6C F6				
11CA:FE FF FF	100		DFB	\$FE,\$FF,\$FF,\$7F,\$7F,\$2A
11CD:7F 7F 2A				
11D0:14 00 00	101		DFB	\$14,0,0
11D3:00 00 00	102		DFB	0,0,0,0,0,0,0,0,0,0
11D6:00 00 00				
11D9:00 00 00				
11DC:00				
11DD:00 00 00	103		DFB	0,0,0,0,0,0,0,0,0,0
11E0:00 00 00				
11E3:00 00 00				
11E6:00				
11E7:00 00 00	104		DFB	0,0,0,0
11EA:00				
11EB:	105	HOP	EQU	*
11EB:04 2C 6E	106		DFB	\$04,\$2C,\$6E,\$76,\$33,\$17
11EE:76 33 17				
11F1:1C 6C F6	107		DFB	\$1C,\$6C,\$F6,\$FE,\$FF,\$FF
11F4:FE FF FF				
11F7:7F 2A 14	108		DFB	\$7F,\$2A,\$14
11FA:00 00 00	109		DFB	0,0,0,0,0,0,0,0,0,0
11FD:00 00 00				
1200:00 00 00				
1203:00				


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1204:00 00 00 110          DFB  0,0,0,0,0,0,0,0,0,0
1207:00 00 00
120A:00 00 00
120B:00
120E:00 00 00 111          DFB  0,0,0,0
1211:00
1212:          112 ;
1212:          113 ;
1212:          114 ;
1212:          115 ;
1212:          116 ;
1212:          117 ;
1212:          118          CHN  BEFORESCR
1212:          1  ;BEFORE.SCREEN
1212:          2 ;
1212:          3 ;
1212:          4  ;.POSITION.FOR.SCORE.AND.INDICATORS
1212:          5 ;
1212:          6  ;LDA  ##38
1212:          7  ;JSR  POSITIONHI
1212:          8  ;LDA  ##40
1212:          9  ;JSR  POSITION
1212:         10  ;STA  HSYNC
1212:         11  ;STA  SHFT
1212:         12 ;
1212:         13 ;
1212:         14  TOSCREEN EQU *
1212:         15 ;
1212:         16 ;
1212:         17  ;.SET.UP.FOR.SCORE.DISPLAY
1212:         18 ;
1212:A2 02          19          LDX  #2
1214:A0 0A          20          LDY  #10
1216:          21 PTRLP      EQU  *
1216:B5 9E          22          LDA  SCORE,X
1218:29 0F          23          AND  ##F
121A:0A          24          ASL  A
121B:0A          25          ASL  A
121C:0A          26          ASL  A
121D:18          27          CLC
121E:69 0F          28          ADC  #>DIGITO
1220:99 86 00      29          STA  SCORE6,Y
1223:88          30          DEY
1224:88          31          DEY
1225:B5 9E          32          LDA  SCORE,X
1227:29 F0          33          AND  ##F0
1229:4A          34          LSR  A
122A:18          35          CLC
122B:69 0F          36          ADC  #>DIGITO
122D:99 86 00      37          STA  SCORE6,Y
1230:88          38          DEY
1231:88          39          DEY
1232:CA          40          DEX
1233:10 E1          41          BPL  PTRLP
1235:          42 ;
1235:          43  ; BLANK LEADING ZEROES AND SET HI PTRS
1235:          44 ;
1235:A0 5F          45          LDY  #>BLNKDIGIT

```


1237:E8	46	INX	;LDX #0
1238:	47	LEADZ	EQU *
1238:A9 OF	48	LDA	#>DIGITO
123A:	49	;CMP SCORE6,X	
123A:	50	;BEQ ZER	
123A:A8	51	TAY	;LDY #>DIGITO
123B:D0 00	52	BNE	NXT1 ;UNCOND
123D:	53	ZER	EQU *
123D:	54	;STY SCORE6,X	
123D:	55	NXT1	EQU *
123D:E8	56	INX	
123E:A9 1C	57	LDA	#<DIGITO
1240:95 86	58	STA	SCORE6,X
1242:E8	59	INX	
1243:E0 0A	60	CPX	#10
1245:D0 F1	61	BNE	LEADZ
1247:85 91	62	STA	SCORE1+1
1249:	63		
1249:	64		;.SCORE.COLOR
1249:	65		
1249:	66		
1249:	67		
1249:A2 OE	68	LDX	#WHITE
124B:	69	;LDA GAMESEL	
124B:	70	;BPL STRCLR	
124B:	71	;LDX #ORANGE+10	
124B:	72	;STRCLR EQU *	
124B:86 06	73	STX	COLR1
124D:86 07	74	STX	COLR2
124F:	75		
124F:	76	WAITTOPBLNK	EQU *
124F:AD 84 02	77	LDA	COUNT
1252:D0 FB	78	BNE	WAITTOPBLNK

SCREEN	80	CHN	SCREEN
1254:	1	: SCREEN	
1254:	2	:	
1254:	3	: DO SCORE	
1254:	4	:	
1254:A0 0D	5	LDY #13	
1256:B1 CF	6	LDA (H2P0),Y	
1258:08	7	PHP	
1259:F0 08	8	BEQ ONSCORE	
125B:A5 80	9	LDA ATTIME	
125D:29 01	10	AND ##1	
125F:85 F2	11	STA TEMP+2	
1261:F0 58	12	BEQ NOSCORE	
1263:	13	ONSCORE EQU *	
1263:A9 5C	14	LDA #92 :##38	
1265:20 4A 1A	15	JSR POSITIONH1	
1268:A9 64	16	LDA #100 :##40	
126A:20 4C 1A	17	JSR POSITION	
126D:85 02	18	STA HSYNC	
126F:85 2A	19	STA SHFT	
1271:85 02	20	STA HSYNC	
1273:85 02	21	STA HSYNC	
1275:85 02	22	STA HSYNC	
1277:85 02	23	STA HSYNC	
1279:85 02	24	STA HSYNC	
127B:A0 07	25	LDY #7	
127D:A2 00	26	LDX #0	
127F:86 1B	27	STX H1MSK	
1281:86 1C	28	STX H2MSK	
1283:86 0B	29	STX H1REV	
1285:86 0C	30	STX H2REV	
1287:E8	31	INX	
1288:86 25	32	STX H1SLAV	
128A:86 26	33	STX H2SLAV	
128C:A2 03	34	LDX #3	
128E:86 04	35	STX H1CTRL	
1290:86 05	36	STX H2CTRL	
1292:	37	DIGDISP EQU *	
1292:85 02	38	STA HSYNC	
1294:B1 86	39	LDA (SCORE6),Y	
1296:85 1B	40	STA H1MSK	
1298:B1 88	41	LDA (SCORE5),Y	
129A:85 1C	42	STA H2MSK	
129C:B1 8A	43	LDA (SCORE4),Y	
129E:85 1B	44	STA H1MSK	
12A0:B1 8C	45	LDA (SCORE3),Y	
12A2:AA	46	TAX	
12A3:B1 90	47	LDA (SCORE1),Y	
12A5:85 F0	48	STA TEMP	
12A7:B1 8E	49	LDA (SCORE2),Y	
12A9:88	50	DEY	
12AA:EA	51	NOP	
12AB:84 F1	52	STY TEMP+1	
12AD:A4 F0	53	LDY TEMP	
12AF:86 1C	54	STX H2MSK	
12B1:85 1B	55	STA H1MSK	
12B3:84 1C	56	STY H2MSK	
12B5:84 1B	57	STY H1MSK	

12B7:A4 F1	58		LDY	TEMP+1
12B9:	59	:DEY		
12B9:10 D7	60		BPL	DIGDISP
12BB:	61	NOSCORE	EQU	*
12BB:A2 08	62		LDX	#8
12BD:A5 A2	63		LDA	FLAGS
12BF:29 04	64		AND	#\$4
12C1:D0 01	65		BNE	OKSTREV
12C3:AA	66		TAX	
12C4:86 0B	67	OKSTREV	STX	H1REV
12C6:A2 00	68		LDX	#0
12C8:86 25	69		STX	H1SLAV
12CA:86 26	70		STX	H2SLAV
12CC:86 1B	71		STX	H1MSK
12CE:86 1C	72		STX	H2MSK
12D0:86 04	73		STX	H1CTRL
12D2:86 05	74		STX	H2CTRL
12D4:86 0E	75		STX	LMSK2
12D6:86 0F	76		STX	LMSK3
12D8:86 0D	77		STX	LMSK1
12DA:E8	78		INX	
12DB:86 0A	79		STX	LOCTRL
12DD:A9 0A	80		LDA	#\$A
12DF:85 07	81		STA	COLR2
12E1:A9 38	82		LDA	#\$38
12E3:85 06	83		STA	COLR1
12E5:A5 B8	84		LDA	H10
12E7:20 4A 1A	85		JSR	POSITIONH1
12EA:A5 B9	86		LDA	H21
12EC:20 4C 1A	87		JSR	POSITION
12EF:85 02	88		STA	HSYNC
12F1:85 2A	89		STA	SHIFT
12F3:A0 19	90		LDY	#25
12F5:28	91		PLP	
12F6:F0 04	92		BEQ	DOTHESORE
12F8:A5 F2	93		LDA	TEMP+2
12FA:F0 04	94		BEQ	NOTASORE
12FC:	95	DOTHESORE	EQU	*
12FC:A0 0C	96		LDY	#12
12FE:D0 0A	97		BNE	ISASORE
1300:	98	NOTASORE	EQU	*
1300:85 02	99		STA	HSYNC
1302:85 02	100		STA	HSYNC
1304:85 02	101		STA	HSYNC
1306:85 02	102		STA	HSYNC
1308:85 02	103		STA	HSYNC
130A:	104	ISASORE	EQU	*
130A:85 02	105	DUMMYLP	STA	HSYNC
130C:B1 BF	106		LDA	(H1P0),Y
130E:85 1B	107		STA	H1MSK
1310:B1 CF	108		LDA	(H2P0),Y
1312:85 1C	109		STA	H2MSK
1314:88	110		DEY	
1315:10 F3	111		BPL	DUMMYLP
1317:	112	:		
1317:	113	:		
1317:	114	:		
1317:	115	:		


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1317:      116 :SINGLE MIDDLE CUBE
1317:      117 ;
1317:      118 ;
1317:A0 17      119          LDY #23
1319:B1 D1      120          LDA (H2P1),Y
131B:AA        121          TAX
131C:B1 C1      122          LDA (H1P1),Y
131E:85 02      123          STA HSYNC
1320:86 1C      124          STX H2MSK
1322:85 1B      125          STA H1MSK
1324:A5 E0      126          LDA CUB01
1326:20 08 18   127          JSR SC1
1329:85 02      128          STA HSYNC
132B:B1 D1      129          LDA (H2P1),Y
132D:85 1C      130          STA H2MSK
132F:B1 C1      131          LDA (H1P1),Y
1331:85 1B      132          STA H1MSK
1333:A5 DF      133          LDA CUB00
1335:20 27 18   134          JSR SC2
1338:85 02      135 BET01    STA HSYNC
133A:B1 D1      136          LDA (H2P1),Y
133C:85 1C      137          STA H2MSK
133E:B1 C1      138          LDA (H1P1),Y
1340:85 1B      139          STA H1MSK
1342:88        140          DEY
1343:B1 D1      141          LDA (H2P1),Y
1345:AA        142          TAX
1346:B1 C1      143          LDA (H1P1),Y
1348:C0 0D      144          CPY #13
134A:D0 EC      145          BNE BET01
134C:85 02      146          STA HSYNC
134E:85 1B      147          STA H1MSK
1350:86 1C      148          STX H2MSK
1352:A9 18      149          LDA ##18
1354:85 0E      150          STA LMSK2
1356:A5 89      151          LDA CTEMP+3
1358:85 08      152          STA COLR3
135A:A9 80      153          LDA ##80
135C:85 0F      154          STA LMSK3
135E:20 ED 17   155          JSR DORET
1361:A5 86      156          LDA CTEMP
1363:85 08      157          STA COLR3
1365:A9 00      158          LDA #0
1367:85 0E      159          STA LMSK2
1369:B1 D1      160          LDA (H2P1),Y
136B:AA        161          TAX
136C:A9 00      162          LDA #0
136E:85 0F      163          STA LMSK3
1370:B1 C1      164          LDA (H1P1),Y
1372:88        165          DEY
1373:      166 CUBTP1    EQU *
1373:85 02      167          STA HSYNC
1375:85 1B      168          STA H1MSK
1377:86 1C      169          STX H2MSK
1379:A9 38      170          LDA ##38
137B:85 0E      171          STA LMSK2
137D:A9 C0      172          LDA ##C0
137F:85 0F      173          STA LMSK3

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1381:A5 89	174	LDA	CTEMP+3
1383:85 08	175	STA	COLR3
1385:A9 80	176	LDA	##80
1387:A2 00	177	LDX	#0
1389:EA	178	NOF	
138A:EA	179	NOF	
138B:EA	180	NOF	
138C:86 0E	181	STX	LMSK2
138E:A6 86	182	LDX	CTEMP
1390:86 08	183	STX	COLR3
1392:EA	184	NOF	
1393:EA	185	NOF	
1394:85 0F	186	STA	LMSK3
1396:B1 D1	187	LDA	(H2P1),Y
1398:AA	188	TAX	
1399:B1 C1	189	LDA	(H1P1),Y
139B:88	190	DEY	
139C:C0 0A	191	CPY	#10
139E:D0 D3	192	BNE	CUBTP1
13A0:4C C8 13	193	JMP	INCUB1UP
13A3:	194	CUB1 EQU	*
13A3:85 02	195	STA	HSYNC
13A5:85 1B	196	STA	H1MSK
13A7:86 1C	197	STX	H2MSK
13A9:A5 8B	198	LDA	CTEMP+5
13AB:85 08	199	STA	COLR3
13AD:A9 08	200	LDA	#8
13AF:85 0E	201	STA	LMSK2
13B1:A2 80	202	LDX	##80
13B3:20 ED 17	203	JSR	DORET
13B4:A5 88	204	LDA	CTEMP+2
13B8:85 08	205	STA	COLR3
13BA:	206	CC.37	
13BA:B1 D1	207	LDA	(H2P1),Y
13BC:85 FF	208	STA	STACK
13BE:86 0F	209	STX	LMSK3
13C0:A2 00	210	LDX	#0
13C2:86 0E	211	STX	LMSK2
13C4:AA	212	TAX	
13C5:B1 C1	213	LDA	(H1P1),Y
13C7:88	214	DEY	
13C8:	215	INCUB1UP EQU	*
13C8:85 02	216	STA	HSYNC
13CA:85 1B	217	STA	H1MSK
13CC:86 1C	218	STX	H2MSK
13CE:A5 8A	219	LDA	CTEMP+4
13D0:85 08	220	STA	COLR3
13D2:A9 30	221	LDA	##30
13D4:85 0E	222	STA	LMSK2
13D6:A9 C0	223	LDA	##C0
13D8:85 0F	224	STA	LMSK3
13DA:	225	CC.22	
13DA:20 ED 17	226	JSR	DORET
13DD:A5 87	227	LDA	CTEMP+1
13DF:85 08	228	STA	COLR3
13E1:A2 00	229	LDX	#0
13E3:86 0E	230	STX	LMSK2
13E5:86 0F	231	STX	LMSK3

13E7:B1 D1	232	LDA	(H2P1),Y
13E9:AA	233	TAX	
13EA:B1 C1	234	LDA	(H1P1),Y
13EC:88	235	DEY	
13ED:10 B4	236	BPL	CUB1
13EF:	237 ;		
13EF:	238 ;	POS.H2#2	
13EF:	239 ;		
13EF:85 02	240	STA	HSYNC
13F1:A0 17	241	LDY	#23
13F3:B1 C3	242	LDA	(H1P2),Y
13F5:85 1B	243	STA	H1MSK
13F7:B1 D3	244	LDA	(H2P2),Y
13F9:85 1C	245	STA	H2MSK
13FB:88	246	DEY	
13FC:B1 C3	247	LDA	(H1P2),Y
13FE:AA	248	TAX	
13FF:B1 D3	249	LDA	(H2P2),Y
1401:F0 0E	250	BEQ	OKP22
1403:85 02	251	STA	HSYNC
1405:85 1C	252	STA	H2MSK
1407:86 1B	253	STX	H1MSK
1409:85 2B	254	STA	CLRSHFT
140B:88	255	DEY	
140C:85 02	256	STA	HSYNC
140E:4C 17 14	257	JMP	NOKP22
1411:	258	OKP22 EQU	*
1411:A5 BA	259	LDA	H22
1413:20 EE 17	260	JSR	POSQB2
1416:88	261	DEY	
1417:	262	NOKP22 EQU	*
1417:B1 C3	263	LDA	(H1P2),Y
1419:85 1B	264	STA	H1MSK
141B:B1 D3	265	LDA	(H2P2),Y
141D:85 1C	266	STA	H2MSK
141F:88	267	DEY	
1420:85 02	268	STA	HSYNC
1422:85 2A	269	STA	SHFT
1424:B1 C3	270	LDA	(H1P2),Y
1426:85 1B	271	STA	H1MSK
1428:B1 D3	272	LDA	(H2P2),Y
142A:85 1C	273	STA	H2MSK
142C:	274 ;	LDY #19	
142C:	275 ;		
142C:A5 C3	276	LDA	H1P2
142E:85 F0	277	STA	TEMP
1430:A5 C4	278	LDA	H1P2+1
1432:85 F1	279	STA	TEMP+1
1434:A5 D3	280	LDA	H2P2
1436:85 F2	281	STA	TEMP+2
1438:A5 D4	282	LDA	H2P2+1
143A:85 F3	283	STA	TEMP+3
143C:A5 E1	284	LDA	CUB02
143E:85 8C	285	STA	CTEMP+6
1440:A5 E2	286	LDA	CUB03
1442:85 8D	287	STA	CTEMP+7
1444:20 65 18	288	JSR	DO2CUBE
1447:	289 ;		

48
67
107


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1447:      290 ;POS.H1#3
1447:      291 ;
1447:85 02   292      STA HSYNC
1449:A0 17   293      LDY #23
144B:B1 D5   294      LDA (H2P3),Y
144D:85 1C   295      STA H2MSK
144F:B1 C5   296      LDA (H1P3),Y
1451:85 1B   297      STA H1MSK
1453:88     298      DEY
1454:B1 C5   299      LDA (H1P3),Y
1456:AA     300      TAX
1457:B1 D5   301      LDA (H2P3),Y
1459:F0 0E   302      BEQ OKP23
145B:85 02   303      STA HSYNC
145D:85 1C   304      STA H2MSK
145F:86 1B   305      STX H1MSK
1461:85 2B   306      STA CLRSHFT
1463:88     307      DEY
1464:85 02   308      STA HSYNC
1466:4C 6F 14 309      JMP NOKP23
1469:      310 OKP23 EQU *
1469:A5 BB   311      LDA H23
146B:20 EE 17 312      JSR POSQB2
146E:88     313      DEY
146F:      314 NOKP23 EQU *
146F:B1 D5   315      LDA (H2P3),Y
1471:85 1C   316      STA H2MSK
1473:B1 C5   317      LDA (H1P3),Y
1475:85 1B   318      STA H1MSK
1477:88     319      DEY
1478:85 02   320      STA HSYNC
147A:85 2A   321      STA SHFT
147C:B1 C5   322      LDA (H1P3),Y
147E:85 1B   323      STA H1MSK
1480:B1 D5   324      LDA (H2P3),Y
1482:85 1C   325      STA H2MSK
1484:A5 C5   326      LDA H1P3
1486:85 F0   327      STA TEMP
1488:A5 C6   328      LDA H1P3+1
148A:85 F1   329      STA TEMP+1
148C:A5 D5   330      LDA H2P3
148E:85 F2   331      STA TEMP+2
1490:A5 D6   332      LDA H2P3+1
1492:85 F3   333      STA TEMP+3
1494:A5 E3   334      LDA CUB04
1496:85 8F   335      STA CTEMP+9
1498:88     336      DEY
1499:85 02   337      STA HSYNC
149B:B1 C5   338      LDA (H1P3),Y
149D:85 1B   339      STA H1MSK
149F:B1 D5   340      LDA (H2P3),Y
14A1:85 1C   341      STA H2MSK
14A3:A5 E4   342      LDA CUB05
14A5:85 90   343      STA CTEMP+10
14A7:A5 E5   344      LDA CUB06
14A9:85 91   345      STA CTEMP+11
14AB:20 42 19 346      JSR DO3CUBE
14AE:      347 ;

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14AE:      348 ;
14AE:      349 ;
14AE:B1 C7 350      LDA (H1P4),Y
14B0:85 1B 351      STA H1MSK
14B2:B1 D7 352      LDA (H2P4),Y
14B4:85 1C 353      STA H2MSK
14B6:88    354      DEY
14B7:B1 C7 355      LDA (H1P4),Y
14B9:AA    356      TAX
14BA:B1 D7 357      LDA (H2P4),Y
14BC:F0 0E 358      BEQ OKP42
14BE:88    359      DEY
14BF:85 02 360      STA HSYNC
14C1:85 1C 361      STA H2MSK
14C3:86 1B 362      STX H1MSK
14C5:85 2B 363      STA CLRSHFT
14C7:85 02 364      STA HSYNC
14C9:4C D2 14 365     JMP NOKP42
14CC:      366     OKP42 EQU *
14CC:A5 BC 367      LDA H24
14CE:20 EE 17 368     JSR POSQB2
14D1:88    369     DEY
14D2:      370     NOKP42 EQU *
14D2:B1 C7 371      LDA (H1P4),Y
14D4:85 1B 372      STA H1MSK
14D6:B1 D7 373      LDA (H2P4),Y
14D8:85 1C 374      STA H2MSK
14DA:88    375     DEY
14DB:85 02 376      STA HSYNC
14DD:85 2A 377      STA SHFT
14DF:B1 C7 378      LDA (H1P4),Y
14E1:85 1B 379      STA H1MSK
14E3:B1 D7 380      LDA (H2P4),Y
14E5:85 1C 381      STA H2MSK
14E7:88    382     DEY
14E8:85 02 383      STA HSYNC
14EA:B1 D7 384      LDA (H2P4),Y
14EC:85 1C 385      STA H2MSK
14EE:B1 C7 386      LDA (H1P4),Y
14F0:85 1B 387      STA H1MSK
14F2:A5 E6 388      LDA CUB07
14F4:20 08 18 389     JSR SC1
14F7:85 02 390      STA HSYNC
14F9:B1 D7 391      LDA (H2P4),Y
14FB:85 1C 392      STA H2MSK
14FD:B1 C7 393      LDA (H1P4),Y
14FF:85 1B 394      STA H1MSK
1501:A5 E7 395      LDA CUB08
1503:20 27 18 396     JSR SC2
1506:85 02 397      STA HSYNC
1508:B1 D7 398      LDA (H2P4),Y
150A:85 1C 399      STA H2MSK
150C:B1 C7 400      LDA (H1P4),Y
150E:85 1B 401      STA H1MSK
1510:A5 E8 402      LDA CUB09
1512:20 46 18 403     JSR SC3
1515:85 02 404      STA HSYNC
1517:B1 D7 405      LDA (H2P4),Y

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1519:85 1C	406	STA H2MSK
151B:B1 C7	407	LDA (H1P4),Y
151D:85 1B	408	STA H1MSK
151F:A5 E9	409	LDA CUB10
1521:0A	410	ASL A
1522:0A	411	ASL A
1523:AA	412	TAX
1524:10 0A	413	BPL OKMRCUB10
1526:A9 00	414	LDA #0
1528:85 8F	415	STA CTEMP+9
152A:85 90	416	STA CTEMP+10
152C:85 91	417	STA CTEMP+11
152E:F0 0F	418	BEQ NOWDOB34
1530:	419	OKMRCUB10 EQU *
1530:BD CB 1D	420	LDA CDIS,X
1533:85 8F	421	STA CTEMP+9
1535:BD CC 1D	422	LDA CDIS+1,X
1538:85 90	423	STA CTEMP+10
153A:BD CD 1D	424	LDA CDIS+2,X
153D:85 91	425	STA CTEMP+11
153F:	426	NOWDOB34 EQU *
153F:88	427	DEY
1540:	428	BET34 EQU *
1540:85 02	429	STA HSYNC
1542:B1 D7	430	LDA (H2P4),Y
1544:85 1C	431	STA H2MSK
1546:B1 C7	432	LDA (H1P4),Y
1548:88	433	DEY
1549:85 1B	434	STA H1MSK
154B:B1 D7	435	LDA (H2P4),Y
154D:AA	436	TAX
154E:B1 C7	437	LDA (H1P4),Y
1550:C0 0D	438	CPY #13
1552:D0 EC	439	BNE BET34
1554:88	440	DEY
1555:	441 ;	
1555:	442 ;	
1555:85 02	443	STA HSYNC
1557:85 1B	444	STA H1MSK
1559:86 1C	445	STX H2MSK
155B:A9 18	446	LDA #18
155D:85 0E	447	STA LMSK2
155F:85 0F	448	STA LMSK3
1561:A5 86	449	LDA CTEMP
1563:85 08	450	STA COLR3
1565:B1 D7	451	LDA (H2P4),Y
1567:85 FF	452	STA STACK
1569:A5 89	453	LDA CTEMP+3
156B:85 FE	454	STA STACK-1
156D:85 08	455	STA COLR3
156F:A5 8C	456	LDA CTEMP+6
1571:A5 8C	457	LDA CTEMP+6
1573:85 08	458	STA COLR3
1575:A6 FF	459	LDX STACK
1577:A5 8F	460	LDA CTEMP+9
1579:EA	461	NOP
157A:85 08	462	STA COLR3
157C:B1 C7	463	LDA (H1P4),Y

157E:88	464	DEY	
157F:	465 CUBTP4	EQU	*
157F:85 02	466	STA	HSYNC
1581:85 1B	467	STA	H1MSK
1583:86 1C	468	STX	H2MSK
1585:A2 38	469	LDX	##38
1587:86 0E	470	STX	LMSK2
1589:A5 86	471	LDA	CTEMP
158B:85 08	472	STA	COLR3
158D:B1 D7	473	LDA	(H2P4),Y
158F:85 FF	474	STA	STACK
1591:A5 89	475	LDA	CTEMP+3
1593:A2 1C	476	LDX	##1C
1595:86 0F	477	STX	LMSK3
1597:EA	478	NOP	
1598:85 08	479	STA	COLR3
159A:A2 38	480	LDX	##38
159C:A5 8C	481	LDA	CTEMP+6
159E:85 08	482	STA	COLR3
15A0:86 0F	483	STX	LMSK3
15A2:A2 1C	484	LDX	##1C
15A4:A5 8F	485	LDA	CTEMP+9
15A6:85 08	486	STA	COLR3
15A8:86 0E	487	STX	LMSK2
15AA:B1 C7	488	LDA	(H1P4),Y
15AC:A6 FF	489	LDX	STACK
15AE:88	490	DEY	
15AF:85 02	491	STA	HSYNC
15B1:85 1B	492	STA	H1MSK
15B3:86 1C	493	STX	H2MSK
15B5:A2 38	494	LDX	##38
15B7:86 0E	495	STX	LMSK2
15B9:A5 86	496	LDA	CTEMP
15BB:85 08	497	STA	COLR3
15BD:B1 D7	498	LDA	(H2P4),Y
15BF:85 FF	499	STA	STACK
15C1:A5 89	500	LDA	CTEMP+3
15C3:A2 1C	501	LDX	##1C
15C5:86 0F	502	STX	LMSK3
15C7:EA	503	NOP	
15C8:85 08	504	STA	COLR3
15CA:A2 38	505	LDX	##38
15CC:A5 8C	506	LDA	CTEMP+6
15CE:85 08	507	STA	COLR3
15D0:86 0F	508	STX	LMSK3
15D2:A2 1C	509	LDX	##1C
15D4:A5 8F	510	LDA	CTEMP+9
15D6:85 08	511	STA	COLR3
15D8:86 0E	512	STX	LMSK2
15DA:B1 C7	513	LDA	(H1P4),Y
15DC:A6 FF	514	LDX	STACK
15DE:88	515	DEY	
15DF:4C 11 16	516	JMP	INCUB4UP
15E2:	517 CUB4	EQU	*
15E2:85 02	518	STA	HSYNC
15E4:85 1B	519	STA	H1MSK
15E6:86 1C	520	STX	H2MSK
15E8:A9 08	521	LDA	##08

15EA:85 0E	522	STA	LMSK2
15EC:A5 88	523	LDA	CTEMP+2
15EE:85 08	524	STA	COLR3
15F0:A2 10	525	LDX	##10
15F2:86 0F	526	STX	LMSK3
15F4:	527	:	22.CCS
15F4:B1 D7	528	LDA	(H2P4),Y
15F6:85 FF	529	STA	STACK
15F8:EA	530	NOP	
15F9:A5 8B	531	LDA	CTEMP+5
15FB:85 08	532	STA	COLR3
15FD:EA	533	NOP	
15FE:A9 08	534	LDA	##08
1600:85 0F	535	STA	LMSK3
1602:A5 8E	536	LDA	CTEMP+8
1604:85 08	537	STA	COLR3
1606:86 0E	538	STX	LMSK2
1608:A5 91	539	LDA	CTEMP+11
160A:85 08	540	STA	COLR3
160C:A6 FF	541	LDX	STACK
160E:B1 C7	542	LDA	(H1P4),Y
1610:88	543	DEY	
1611:	544	:	
1611:	545	INCUB4UP EQU *	
1611:	546	:	
1611:85 02	547	STA	HSYNC
1613:85 1B	548	STA	H1MSK
1615:86 1C	549	STX	H2MSK
1617:A2 30	550	LDX	##30
1619:86 0E	551	STX	LMSK2
161B:A5 87	552	LDA	CTEMP+1
161D:85 08	553	STA	COLR3
161F:B1 D7	554	LDA	(H2P4),Y
1621:85 FF	555	STA	STACK
1623:	556	:	25.CCS
1623:A9 0C	557	LDA	##0C
1625:85 0F	558	STA	LMSK3
1627:	559	:	LDA STACK
1627:A5 8A	560	LDA	CTEMP+4
1629:85 08	561	STA	COLR3
162B:	562	:	36.CCS
162B:A5 FF	563	LDA	STACK
162D:A5 8D	564	LDA	CTEMP+7
162F:	565	:	LDA ##30
162F:	566	:	NOP
162F:85 08	567	STA	COLR3
1631:86 0F	568	STX	LMSK3
1633:A9 0C	569	LDA	##0C
1635:85 0E	570	STA	LMSK2
1637:A5 90	571	LDA	CTEMP+10
1639:85 08	572	STA	COLR3
163B:A6 FF	573	LDX	STACK
163D:B1 C7	574	LDA	(H1P4),Y
163F:88	575	DEY	
1640:10 A0	576	BPL	CUB4
1642:	577	:	
1642:	578	:	POS.H1#5
1642:	579	:	

1642:	580	STA HSYNC	
1642:A9 00	581	LDA #0	
1644:85 08	582	STA COLR3	75
1646:A0 17	583	LDY #23	77
1648:B1 D9	584	LDA (H2P5),Y	82
164A:85 1C	585	STA H2MSK	85
164C:B1 C9	586	LDA (H1P5),Y	90
164E:85 1B	587	STA H1MSK	93
1650:88	588	DEY	95
1651:B1 C9	589	LDA (H1P5),Y	120
1653:AA	590	TAX	122
1654:B1 D9	591	LDA (H2P5),Y	127
1656:F0 0E	592	BEQ OKP52	105
1658:85 02	593	STA HSYNC	
165A:85 1C	594	STA H2MSK	
165C:86 1B	595	STX H1MSK	
165E:85 2B	596	STA CLRSHFT	
1660:88	597	DEY	
1661:85 02	598	STA HSYNC	
1663:4C 6C 16	599	JMP NOKP52	
1666:	600	OKP52 EQU *	
1666:A5 BD	601	LDA H25	
1668:20 EE 17	602	JSR POSQB2	
166B:88	603	DEY	
166C:	604	NOKP52 EQU *	
166C:B1 D9	605	LDA (H2P5),Y	
166E:85 1C	606	STA H2MSK	
1670:B1 C9	607	LDA (H1P5),Y	
1672:85 1B	608	STA H1MSK	
1674:88	609	DEY	
1675:85 02	610	STA HSYNC	
1677:85 2A	611	STA SHFT	
1679:B1 D9	612	LDA (H2P5),Y	
167B:85 1C	613	STA H2MSK	
167D:B1 C9	614	LDA (H1P5),Y	
167F:85 1B	615	STA H1MSK	
1681:A5 C9	616	LDA H1P5	
1683:85 F0	617	STA TEMP	
1685:A5 CA	618	LDA H1P5+1	
1687:85 F1	619	STA TEMP+1	
1689:A5 D9	620	LDA H2P5	
168B:85 F2	621	STA TEMP+2	
168D:A5 DA	622	LDA H2P5+1	
168F:85 F3	623	STA TEMP+3	
1691:A5 EA	624	LDA CUB11	
1693:85 8F	625	STA CTEMP+9	
1695:88	626	DEY	
1696:85 02	627	STA HSYNC	
1698:B1 D9	628	LDA (H2P5),Y	
169A:85 1C	629	STA H2MSK	
169C:B1 C9	630	LDA (H1P5),Y	
169E:85 1B	631	STA H1MSK	
16A0:A5 EB	632	LDA CUB12	
16A2:85 90	633	STA CTEMP+10	
16A4:A5 EC	634	LDA CUB13	
16A6:85 91	635	STA CTEMP+11	
16A8:20 42 19	636	JSR DO3CUBE	
16AB:	637	:	


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16AB:      638 ;
16AB:      639 ;
16AB:B1 CB  640      LDA (H1P6),Y
16AD:85 1B  641      STA H1MSK
16AF:B1 DB  642      LDA (H2P6),Y
16B1:85 1C  643      STA H2MSK
16B3:88     644      DEY
16B4:B1 CB  645      LDA (H1P6),Y
16B6:AA     646      TAX
16B7:B1 DB  647      LDA (H2P6),Y
16B9:F0 OE  648      BEQ OKP62
16BB:85 02  649      STA HSYNC
16BD:85 1C  650      STA H2MSK
16BF:86 1B  651      STX H1MSK
16C1:85 2B  652      STA CLRSHFT
16C3:88     653      DEY
16C4:85 02  654      STA HSYNC
16C6:4C CF 16 655      JMP NOKP62
16C9:      656 OKP62 EQU *
16C9:A5 BE  657      LDA H26
16CB:20 EE 17 658      JSR POSQB2
16CE:88     659      DEY
16CF:      660 NOKP62 EQU *
16CF:B1 CB  661      LDA (H1P6),Y
16D1:85 1B  662      STA H1MSK
16D3:B1 DB  663      LDA (H2P6),Y
16D5:85 1C  664      STA H2MSK
16D7:88     665      DEY
16D8:85 02  666      STA HSYNC
16DA:85 2A  667      STA SHFT
16DC:B1 CB  668      LDA (H1P6),Y
16DE:85 1B  669      STA H1MSK
16E0:B1 DB  670      LDA (H2P6),Y
16E2:85 1C  671      STA H2MSK
16E4:      672 ;
16E4:      673 ;
16E4:A5 CB  674      LDA H1P6
16E6:85 F0  675      STA TEMP
16E8:A5 CC  676      LDA H1P6+1
16EA:85 F1  677      STA TEMP+1
16EC:A5 DB  678      LDA H2P6
16EE:85 F2  679      STA TEMP+2
16F0:A5 DC  680      LDA H2P6+1
16F2:85 F3  681      STA TEMP+3
16F4:A5 ED  682      LDA CUB14
16F6:85 8C  683      STA CTEMP+6
16F8:A5 EE  684      LDA CUB15
16FA:85 8D  685      STA CTEMP+7
16FC:20 65 18 686      JSR DO2CUBE
16FF:      687 ;
16FF:      688 ;
16FF:      689 ;
16FF:      690 ;
16FF:      691 ;
16FF:      692 ;
16FF:85 02  693      STA HSYNC
1701:A0 17  694      LDY #23
1703:B1 DD  695      LDA (H2P7),Y

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1705:85 1C	696	STA	H2MSK
1707:B1 CD	697	LDA	(H1P7),Y
1709:85 1B	698	STA	H1MSK
170B:A9 00	699	LDA	#0
170D:85 0E	700	STA	LMSK2
170F:85 0F	701	STA	LMSK3
1711:85 08	702	STA	COLR3
1713:88	703	DEY	
1714:B1 DD	704	LDA	(H2P7),Y
1716:AA	705	TAX	
1717:B1 CD	706	LDA	(H1P7),Y
1719:85 02	707	STA	HSYNC
171B:85 1B	708	STA	H1MSK
171D:86 1C	709	STX	H2MSK
171F:A5 EF	710	LDA	CUB16
1721:20 08 18	711	JSR	SC1
1724:B1 DD	712	LDA	(H2P7),Y
1726:AA	713	TAX	
1727:B1 CD	714	LDA	(H1P7),Y
1729:85 02	715 BET67	STA	HSYNC
172B:85 1B	716	STA	H1MSK
172D:86 1C	717	STX	H2MSK
172F:A9 00	718	LDA	#0
1731:85 0E	719	STA	LMSK2
1733:85 0F	720	STA	LMSK3
1735:85 08	721	STA	COLR3
1737:B1 DD	722	LDA	(H2P7),Y
1739:AA	723	TAX	
173A:B1 CD	724	LDA	(H1P7),Y
173C:88	725	DEY	
173D:C0 0D	726	CPY	#13
173F:D0 E8	727	BNE	BET67
1741:85 02	728	STA	HSYNC
1743:85 1B	729	STA	H1MSK
1745:86 1C	730	STX	H2MSK
1747:A9 80	731	LDA	#80
1749:85 0F	732	STA	LMSK3
174B:20 ED 17	733	JSR	DORET
174E:A5 86	734	LDA	CTEMP
1750:85 08	735	STA	COLR3
1752:EA	736	NOP	
1753:EA	737	NOP	
1754:20 ED 17	738	JSR	DORET
1757:B1 DD	739	LDA	(H2P7),Y
1759:AA	740	TAX	
175A:A9 00	741	LDA	#0
175C:85 0F	742	STA	LMSK3
175E:B1 CD	743	LDA	(H1P7),Y
1760:88	744	DEY	
1761:	745 CUBTP7	EQU	*
1761:85 02	746	STA	HSYNC
1763:85 1B	747	STA	H1MSK
1765:86 1C	748	STX	H2MSK
1767:A9 C0	749	LDA	#80
1769:85 0F	750	STA	LMSK3
176B:20 ED 17	751	JSR	DORET
176E:A5 86	752	LDA	CTEMP
1770:85 08	753	STA	COLR3


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1772:EA      754      NOP
1773:EA      755      NOP
1774:EA      756      NOP
1775:EA      757      NOP
1776:EA      758      NOP
1777:A5 FF    759      LDA STACK
1779:A9 80    760      LDA ##80
177B:85 0F    761      STA LMSK3
177D:B1 DD    762      LDA (H2P7),Y
177F:AA      763      TAX
1780:A9 00    764      LDA #0
1782:85 0F    765      STA LMSK3
1784:B1 CD    766      LDA (H1P7),Y
1786:88      767      DEY
1787:C0 0A    768      CPY #10
1789:D0 D6    769      BNE CUBTP7
178B:4C B1 17 770      JMP INCUBLN7
178E:      771 CUBLN7 EQU *
178E:85 02    772      STA HSYNC
1790:85 1B    773      STA H1MSK
1792:86 1C    774      STX H2MSK
1794:A5 88    775      LDA CTEMP+2
1796:85 08    776      STA COLR3
1798:A9 00    777      LDA #0
179A:85 0F    778      STA LMSK3
179C:20 ED 17 779      JSR DORET
179F:20 ED 17 780      JSR DORET
17A2:EA      781      NOP
17A3:A9 80    782      LDA ##80
17A5:85 0F    783      STA LMSK3
17A7:B1 DD    784      LDA (H2P7),Y
17A9:AA      785      TAX
17AA:A9 00    786      LDA #0
17AC:85 0F    787      STA LMSK3
17AE:B1 CD    788      LDA (H1P7),Y
17B0:88      789      DEY
17B1:      790 INCUBLN7 EQU *
17B1:85 02    791      STA HSYNC
17B3:85 1B    792      STA H1MSK
17B5:86 1C    793      STX H2MSK
17B7:A5 87    794      LDA CTEMP+1
17B9:85 08    795      STA COLR3
17BB:A9 C0    796      LDA ##C0
17BD:85 0F    797      STA LMSK3
17BF:20 ED 17 798      JSR DORET
17C2:20 ED 17 799      JSR DORET
17C5:EA      800      NOP
17C6:A9 00    801      LDA ##0
17C8:85 0F    802      STA LMSK3
17CA:B1 DD    803      LDA (H2P7),Y
17CC:AA      804      TAX
17CD:A9 00    805      LDA #0
17CF:85 0F    806      STA LMSK3
17D1:B1 CD    807      LDA (H1P7),Y
17D3:88      808      DEY
17D4:10 B8    809      BPL CUBLN7
17D6:      810 ;
17D6:      811 ;END 1 CUBE

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17D6:	812	:		
17D6:A2 01	813		LDX	#1
17D8:	814		WASTER	EQU *
17D8:85 02	815		STA	HSYNC
17DA:A9 00	816		LDA	#0
17DC:85 1B	817		STA	H1MSK
17DE:85 1C	818		STA	H2MSK
17E0:CA	819		DEX	
17E1:D0 F5	820		BNE	WASTER
17E3:	821	:		
17E3:A0 24	822		LDY	##24
17E5:85 02	823		STA	HSYNC
17E7:8C 96 02	824		STY	TIMX64
17EA:4C 47 1A	825		JMP	GOON1
17ED:60	826		DORET	RTS
17EE:	827		POSQB2	EQU *
17EE:85 2B	828		STA	CLRSHT
17F0:38	829		SEC	
17F1:85 02	830		STA	HSYNC
17F3:86 1B	831		STX	H1MSK
17F5:E9 0F	832		THERE1	SBC ##F
17F7:B0 FC	833		BCS	THERE1
17F9:49 0F	834		EOR	##F
17FB:0A	835		ASL	A
17FC:0A	836		ASL	A
17FD:0A	837		ASL	A
17FE:0A	838		ASL	A
17FF:69 90	839		ADC	##90
1801:85 11	840		STA	H2POS
1803:85 02	841		STA	HSYNC
1805:85 21	842		STA	H2SHFT
1807:60	843		RTS	
1808:	844		SC1	EQU *
1808:88	845		DEY	
1809:0A	846		ASL	A
180A:0A	847		ASL	A
180B:AA	848		TAX	
180C:30 10	849		BMI	SPSC1
180E:BD CB 1D	850		LDA	CDIS,X
1811:85 86	851		STA	CTEMP
1813:BD CC 1D	852		LDA	CDIS+1,X
1816:85 87	853		STA	CTEMP+1
1818:BD CD 1D	854		LDA	CDIS+2,X
181B:85 88	855		STA	CTEMP+2
181D:60	856		RTS	
181E:A9 00	857		SPSC1	LDA #0
1820:85 86	858		STA	CTEMP
1822:85 87	859		STA	CTEMP+1
1824:85 88	860		STA	CTEMP+2
1826:60	861		RTS	
1827:	862		SC2	EQU *
1827:88	863		DEY	
1828:0A	864		ASL	A
1829:0A	865		ASL	A
182A:AA	866		TAX	
182B:30 10	867		BMI	SPSC2
182D:BD CB 1D	868		LDA	CDIS,X
1830:85 89	869		STA	CTEMP+3

1832:BD CC 1D	870	LDA	CDIS+1,X
1835:85 8A	871	STA	CTEMP+4
1837:BD CD 1D	872	LDA	CDIS+2,X
183A:85 8B	873	STA	CTEMP+5
183C:60	874	RTS	
183D:	875	SPSC2 EQU	*SC2
183D:A9 00	876	LDA	#0
183F:85 89	877	STA	CTEMP+3
1841:85 8A	878	STA	CTEMP+4
1843:85 8B	879	STA	CTEMP+5
1845:60	880	RTS	
1846:	881	SC3 EQU	*SC3
1846:88	882	DEY	
1847:0A	883	ASL	A
1848:0A	884	ASL	A
1849:AA	885	TAX	
184A:30 10	886	BMI	SPSC3
184C:BD CB 1D	887	LDA	CDIS,X
184F:85 8C	888	STA	CTEMP+6
1851:BD CC 1D	889	LDA	CDIS+1,X
1854:85 8D	890	STA	CTEMP+7
1856:BD CD 1D	891	LDA	CDIS+2,X
1859:85 8E	892	STA	CTEMP+8
185B:60	893	RTS	
185C:	894	SPSC3 EQU	*
185C:A9 00	895	LDA	#0
185E:85 8C	896	STA	CTEMP+6
1860:85 8D	897	STA	CTEMP+7
1862:85 8E	898	STA	CTEMP+8
1864:60	899	RTS	
1865:	900	DO2CUBE EQU	*
1865:85 02	901	STA	HSYNC
1867:88	902	DEY	
1868:B1 F2	903	LDA	(TEMP+2),Y
186A:85 1C	904	STA	H2MSK
186C:B1 F0	905	LDA	(TEMP),Y
186E:85 1B	906	STA	H1MSK
1870:A5 8C	907	LDA	CTEMP+6
1872:20 08 18	908	JSR	SC1
1875:85 02	909	STA	HSYNC
1877:B1 F2	910	LDA	(TEMP+2),Y
1879:85 1C	911	STA	H2MSK
187B:B1 F0	912	LDA	(TEMP),Y
187D:85 1B	913	STA	H1MSK
187F:A5 8D	914	LDA	CTEMP+7
1881:20 27 18	915	JSR	SC2
1884:85 02	916	BET12 STA	HSYNC
1886:B1 F2	917	LDA	(TEMP+2),Y
1888:AA	918	TAX	
1889:B1 F0	919	LDA	(TEMP),Y
188B:85 1B	920	STA	H1MSK
188D:86 1C	921	STX	H2MSK
188F:88	922	DEY	
1890:C0 0E	923	CPY	#14
1892:D0 F0	924	BNE	BET12
1894:B1 F2	925	LDA	(TEMP+2),Y
1896:AA	926	TAX	
1897:B1 F0	927	LDA	(TEMP),Y

1899:88	928	DEY
189A:	929 ;	
189A:	930 ;	
189A:85 02	931	STA HSYNC
189C:85 1B	932	STA H1MSK
189E:86 1C	933	STX H2MSK
18A0:A9 1B	934	LDA #18
18A2:85 0F	935	STA LMSK3
18A4:A9 00	936	LDA #0
18A6:85 0E	937	STA LMSK2
18A8:A5 86	938	LDA CTEMP
18AA:85 08	939	STA COLR3
18AC:20 ED 17	940	JSR DORET
18AF:EA	941	NOP
18B0:EA	942	NOP
18B1:EA	943	NOP
18B2:A5 89	944	LDA CTEMP+3
18B4:85 08	945	STA COLR3
18B6:	946 ;LDA #38	
18B6:	947 ;STA LMSK3	
18B6:B1 F2	948	LDA (TEMP+2),Y
18B8:AA	949	TAX
18B9:B1 F0	950	LDA (TEMP),Y
18BB:88	951	DEY
18BC:	952 CUBTP2	EQU *
18BC:85 02	953	STA HSYNC
18BE:85 1B	954	STA H1MSK
18C0:86 1C	955	STX H2MSK
18C2:A9 1C	956	LDA #1C
18C4:85 0F	957	STA LMSK3
18C6:A9 00	958	LDA #0
18C8:85 0E	959	STA LMSK2
18CA:A5 86	960	LDA CTEMP
18CC:85 08	961	STA COLR3
18CE:20 ED 17	962	JSR DORET
18D1:EA	963	NOP
18D2:EA	964	NOP
18D3:A2 38	965	LDX #38
18D5:A5 89	966	LDA CTEMP+3
18D7:85 08	967	STA COLR3
18D9:86 0F	968	STX LMSK3
18DB:B1 F2	969	LDA (TEMP+2),Y
18DD:AA	970	TAX
18DE:B1 F0	971	LDA (TEMP),Y
18E0:88	972	DEY
18E1:C0 0A	973	CPY #10
18E3:D0 D7	974	BNE CUBTP2
18E5:4C 14 19	975	JMP INCUB2UP
18E8:	976 CUB2	EQU *
18E8:85 02	977	STA HSYNC
18EA:85 1B	978	STA H1MSK
18EC:86 1C	979	STX H2MSK
18EE:A9 30	980	LDA #30
18F0:A5 F4	981	LDA TEMP+4
18F2:A9 10	982	LDA #10
18F4:	983	STA LMSK3
18F6:	984	LDA CTEMP+2
18F8:	985	STA COLR3