

100|(START OF GALAXIANS AREA)
101|(GALAXIAN 1A)
102|(GALAXIAN 1B)
103|(GALAXIAN 2A)
104|(GAL2B)
105|(GALAXIAN 3A)
106|(GALAXIAN 3B)
107|(GALAXIAN 4)
108|(FIRST ROTATED GALAX3 PATTERN)
109|(SECOND ROTATED GALAX3 PATTERN)
110|(THIRD ROTATED GALAX3 PATTERN)
111|(LAST ROTATED GALAX3 PATTERN)
112|(FIRST ROTATED GALAX2 PATTERN)
113|(SECOND ROTATED GALAX2 PATTERN)
114|(THIRD ROTATED GALAX2 PATTERN)
115|(LAST ROTATED GALAX2 PATTERN)
116|(FIRST ROTATED GALAX1 PATTERN)
117|(SECOND ROTATED GALAX1 PATTERN)
118|(THIRD ROTATED GALAX1 PATTERN)
119|(LAST ROTATED GALAX1 PATTERN)
120|(FIRST ROTATED GALAXIAN 4)
121|(SECOND ROTATED GALAXIAN 4)
122|(THIRD ROTATED GALAXIAN 4)
123|(LAST GALAXIAN 4 ROTATED)
150|(GALAXIANS GAME)
151|(MORE GOODIES) DECIMAL
152|(BUMP GALAXIAN RACK COORDINATES) HEX
153|(INTERRUPT BOMB DROPPER) HEX
154|(INTERRUPT BOMB DROPPER CONTINUED)
155|(START A BOMB DROPPING) HEX
156|(ANIMATION LISTS TO ACTIVATE FIREBASE AND BOMBING)
157|(SPACE MISSIONS GALXIAN ATTACK SOUND- GA) HEX
158|(SPACE MISSIONS BMUSIC BLOCK cont.)
159|(SUBROUTINE TO START AN ATTACKER VECTOR) DECIMAL
160|(ROUTINE TO RETARGET AN ATTACKER)
161|(PATTERN TABLE FOR GAL3)
162|(ROUTINE TO FLIP OVER GALAXIAN)
163|(LEFT ROLL SEQUENCE)
164|(RIGHT ROLL SEQUENCE)
165|(LEFT ROLL GAL3)
166|(LEFT ROLL GAL2)
167|(ROLL GAL1 LEFT AND RIGHT)
168|(RANDOM GORF GOODIES)
169|(LEFT PEELOFF FOR GALAXIAN 4)
170|(ATTACK PATH TABLES)
171|(SUBROUTINE TO RESET THE ATTACK TIMER)
172|(ATTACK ROUTINE FOR CODES 1 THRU 6) HEX
173|(ATTACK ROUTINE FOR CODES 7-10)
174|(CHECK FOR ATTACK ROUTINE) HEX
175|(PHASOR INTERCEPT CHECK ROUTINE)
176|(GALAXIAN RACK SCORE TABLE AND COLORS)
177|(INITIALIZE GALAXIAN GAME)
178|(SCAN LOOP AND WAIT ROUTINE)
179|(ANIMATION SEQUE TO DUMP OUT GALAXIANS)
180|(DUMPTOUT ROUTINE)
181|(SCAN LOOP AND STARTUP)
198|(SYSTEM LOAD ROUTINE) 16 BASE !
199|(SYSTEM LOAD ROUTINE) 16 BASE !

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+-----Block    100-----
0|( START OF GALAXIANS AREA )
1|DATA GSAB 0 B, 0 ,
2|DECIMAL -->
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+-----Block    101-----
0|( GALAXIAN 1A )
1|DECIMAL DATA GAL1A 3 B, 11 B, QUAD
2|3300 B, 1100 E, 0000 E,
3|3330 B, 1000 E, 0000 E,
4|0030 B, 1000 E, 0000 E,
5|0031 B, 1100 E, 0000 E,
6|0111 B, 1311 E, 0000 E,
7|1111 B, 1111 E, 0000 E,
8|0111 B, 1311 E, 0000 E,
9|0031 B, 1100 E, 0000 E,
10|0030 B, 1000 E, 0000 E,
11|3330 B, 1000 E, 0000 E,
12|3300 B, 1100 E, 0000 E,
13|DECIMAL -->
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+-----Block    102-----
0|( GALAXIAN 1B )
1|DECIMAL DATA GAL1B 3 B, 11 B, QUAD
2|0033 B, 0111 E, 0000 E,
3|0030 B, 1100 E, 0000 E,
4|0030 B, 1000 E, 0000 E,
5|0031 B, 1100 E, 0000 E,
6|0111 B, 3110 E, 0000 E,
7|1111 B, 1100 E, 0000 E,
8|0111 B, 3110 E, 0000 E,
9|0031 B, 1100 E, 0000 E,
10|0030 B, 1000 E, 0000 E,
11|0030 B, 1100 E, 0000 E,
12|0033 B, 0111 E, 0000 E,
13|DECIMAL -->
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+-----Block      103-----
0|( GALAXIAN 2A )
1|DATA GAL2A 3 B, 11 B, QUAD
2|1100 B, 2200 B, 0000 B,
3|1110 B, 2000 B, 0000 B,
4|0110 B, 2000 B, 0000 B,
5|0012 B, 2200 B, 0000 B,
6|0222 B, 1222 B, 0000 B,
7|2222 B, 2200 B, 0000 B,
8|0222 B, 1222 B, 0000 B,
9|0012 B, 2200 B, 0000 B,
10|0110 B, 2000 B, 0000 B,
11|1110 B, 2000 B, 0000 B,
12|1100 B, 2200 B, 0000 B,
13|DECIMAL -->
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+-----Block      104-----
0|( GAL2B )
1|DECIMAL DATA GAL2B 3 B, 11 B, QUAD
2|0011 B, 0222 B, 0000 B,
3|0010 B, 2200 B, 0000 B,
4|0010 B, 2000 B, 0000 B,
5|0012 B, 2200 B, 0000 B,
6|0222 B, 1220 B, 0000 B,
7|2222 B, 2200 B, 0000 B,
8|0222 B, 1220 B, 0000 B,
9|0012 B, 2200 B, 0000 B,
10|0010 B, 2000 B, 0000 B,
11|0010 B, 2200 B, 0000 B,
12|0011 B, 0222 B, 0000 B,
13|DECIMAL -->
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+-----Block      105-----
0|( GALAXIAN 3A )
1|DATA GAL3A 3 B, 11 B, QUAD
2|2200 B, 3300 B, 0000 B,
3|2220 B, 3000 B, 0000 B,
4|0220 B, 3000 B, 0000 B,
5|0023 B, 3300 B, 0000 B,
6|0333 B, 2332 B, 0000 B,
7|3333 B, 3300 B, 0000 B,
8|0333 B, 3000 B, 0000 B,
9|0023 B, 3300 B, 0000 B,
10|0220 B, 3000 B, 0000 B,
11|2220 B, 3000 B, 0000 B,
12|2200 B, 3300 B, 0000 B,
13|DECIMAL -->
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+-----Block      106-----
0|( GALAXIAN 3B )
1|DECIMAL DATA GAL3B 3 B, 11 B, QUAD
2|0022 B, 0333 B, 0000 B,
3|0020 B, 3300 B, 0000 B,
4|0020 B, 3000 B, 0000 B,
5|0023 B, 3300 B, 0000 B,
6|0333 B, 2330 B, 0000 B,
7|3333 B, 3300 B, 0000 B,
8|0333 B, 2330 B, 0000 B,
9|0023 B, 3300 B, 0000 B,
10|0020 B, 3000 B, 0000 B,
11|0020 B, 3300 B, 0000 B,
12|0022 B, 0333 B, 0000 B,
13|DECIMAL -->
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+-----Block      107-----
0|( GALAXIAN 4 )
1|DATA GAL4 4 B, 11 B, QUAD
2|0000 B, 0222 B, 2200 B, 0000 B,
3|0000 B, 2211 B, 0000 B, 0000 B,
4|0002 B, 2113 B, 0000 B, 0000 B,
5|0022 B, 1113 B, 3000 B, 0000 B,
6|0000 B, 0111 B, 3300 B, 0000 B,
7|1111 B, 1133 B, 3330 B, 0000 B,
8|0000 B, 0111 B, 3300 B, 0000 B,
9|0022 B, 1113 B, 3000 B, 0000 B,
10|0002 B, 2113 B, 0000 B, 0000 B,
11|0000 B, 2211 B, 0000 B, 0000 B,
12|0000 B, 0222 B, 2200 B, 0000 B,
13|DECIMAL -->
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+-----Block      108-----
0|( FIRST ROTATED GALAX3 PATTERN )
1|DECIMAL DATA GAL3R1 4 B, 12 B, QUAD
2|0003 B, 3000 B, 0000 B, 0 B,
3|0003 B, 0000 B, 0000 B, 0 B,
4|0003 B, 0030 B, 0000 B, 0 B,
5|2203 B, 3300 B, 0000 B, 0 B,
6|2223 B, 2330 B, 3000 B, 0 B,
7|2023 B, 3333 B, 0000 B, 0 B,
8|0003 B, 0030 B, 0000 B, 0 B,
9|0003 B, 0030 B, 0000 B, 0 B,
10|0000 B, 0220 B, 0000 B, 0 B,
11|0000 B, 0220 B, 0000 B, 0 B,
12|0000 B, 0220 B, 0000 B, 0 B,
13|0000 B, 0220 B, 0000 B, 0 B,
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+-----Block      109-----
0|( SECOND ROTATED GALAX3 PATTERN )
1|DECIMAL DATA GAL3R2 4 B, 12 B, QUAD
2|0003 B, 0000 B, 0000 B, 0 B,
3|0030 B, 0000 B, 0000 B, 0 B,
4|0003 B, 0003 B, 0000 B, 0 B,
5|0000 B, 3330 B, 0000 B, 0 B,
6|0220 B, 3233 B, 0300 B, 0 B,
7|2222 B, 3333 B, 0000 B, 0 B,
8|0003 B, 3332 B, 3000 B, 0 B,
9|0003 B, 3333 B, 3000 B, 0 B,
10|0003 B, 3320 B, 0303 B, 0 B,
11|0000 B, 0022 B, 0030 B, 0 B,
12|0000 B, 0022 B, 0000 B, 0 B,
13|0000 B, 0020 B, 0000 B, 0 B,
14|DECIMAL -->
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+-----Block      110-----
0|( THIRD ROTATED GALAX3 PATTERN )
1|DECIMAL DATA GAL3R3 4 B, 11 B, QUAD
2|0330 B, 0000 B, 0000 B, 0 B,
3|0300 B, 0000 B, 0000 B, 0 B,
4|0030 B, 0003 B, 0000 B, 0 B,
5|0033 B, 3330 B, 0000 B, 0 B,
6|0223 B, 3233 B, 0300 B, 0 B,
7|2222 B, 3333 B, 3000 B, 0 B,
8|0000 B, 3332 B, 3003 B, 0 B,
9|0000 B, 3333 B, 3333 B, 0 B,
10|0000 B, 0022 B, 0000 B, 0 B,
11|0000 B, 0002 B, 2000 B, 0 B,
12|0000 B, 0022 B, 2000 B, 0 B,
13|DECIMAL -->
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+-----Block      111-----
0|( LAST ROTATED GALAX3 PATTERN )
1|DECIMAL DATA GAL3R4 4 B, 8 B, QUAD
2|0000 B, 0303 B, 0000 B, 0 B,
3|0000 B, 0303 B, 0000 B, 0 B,
4|0300 B, 3333 B, 3003 B, 0 B,
5|0333 B, 3232 B, 3333 B, 0 B,
6|0000 B, 3333 B, 3000 B, 0 B,
7|0022 B, 3333 B, 2220 B, 0 B,
8|0222 B, 0000 B, 0000 B, 0 B,
9|0220 B, 0000 B, 0000 B, 0 B,
10|DECIMAL -->
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+-----Block      112-----
0|( FIRST ROTATED GALAX2 PATTERN )
1|DECIMAL DATA GAL2R1 4 B, 12 B, QUAD
2|0002 B, 2000 B, 0000 B, 0 B,
3|0002 B, 0000 B, 0000 B, 0 B,
4|0002 B, 0020 B, 0000 B, 0 B,
5|1102 B, 2200 B, 0000 B, 0 B,
6|1112 B, 1220 B, 2000 B, 0 B,
7|1012 B, 2222 B, 0000 B, 0 B,
8|0002 B, 2212 B, 0000 B, 0 B,
9|0002 B, 2222 B, 0000 B, 0 B,
10|0000 B, 0222 B, 2020 B, 0 B,
11|0000 B, 0222 B, 0220 B, 0 B,
12|0000 B, 0220 B, 0220 B, 0 B,
13|0000 B, 0200 B, 0000 B, 0 B,
14|DECIMAL -->
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+-----Block      113-----
0|( SECOND ROTATED GALAX2 PATTERN )
1|DECIMAL DATA GAL2R2 4 B, 12 B, QUAD
2|0002 B, 0000 B, 0000 B, 0 B,
3|0020 B, 0000 B, 0000 B, 0 B,
4|0002 B, 0002 B, 0000 B, 0 B,
5|0000 B, 2220 B, 0000 B, 0 B,
6|0110 B, 2122 B, 0200 B, 0 B,
7|1111 B, 2222 B, 2000 B, 0 B,
8|0002 B, 2221 B, 2000 B, 0 B,
9|0002 B, 2222 B, 2000 B, 0 B,
10|0002 B, 2210 B, 0202 B, 0 B,
11|0000 B, 0011 B, 0020 B, 0 B,
12|0000 B, 0011 B, 0000 B, 0 B,
13|0000 B, 0010 B, 0000 B, 0 B,
14|DECIMAL -->
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+-----Block      114-----
0|( THIRD ROTATED GALAX2 PATTERN )
1|DECIMAL DATA GAL2R3 4 B, 11 B, QUAD
2|0220 B, 0000 B, 0000 B, 0 B,
3|0200 B, 0000 B, 0000 B, 0 B,
4|0020 B, 0002 B, 0000 B, 0 B,
5|0022 B, 2220 B, 0000 B, 0 B,
6|0112 B, 2122 B, 0200 B, 0 B,
7|1111 B, 2222 B, 2000 B, 0 B,
8|0000 B, 2222 B, 2000 B, 0 B,
9|0000 B, 2222 B, 2022 B, 0 B,
10|0000 B, 0011 B, 0000 B, 0 B,
11|0000 B, 0001 B, 1000 B, 0 B,
12|0000 B, 0011 B, 1000 B, 0 B,
13|DECIMAL -->
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+-----Block      115-----
0|( LAST ROTATED GALAX2 PATTERN )
1|DECIMAL DATA GAL2R4 4 B, 8 B, QUAD
2|0000 B, 0202 B, 0000 B, 0 B,
3|0000 B, 0202 B, 0000 B, 0 B,
4|0200 B, 2222 B, 2002 B, 0 B,
5|0222 B, 2121 B, 0222 B, 0 B,
6|0000 B, 2222 B, 2000 B, 0 B,
7|0011 B, 1222 B, 1110 B, 0 B,
8|0111 B, 0222 B, 0111 B, 0 B,
9|0110 B, 0020 B, 0011 B, 0 B,
10|DECIMAL -->
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+-----Block      116-----
0|( FIRST ROTATED GALAX1 PATTERN )
1|DECIMAL DATA GAL1R1 4 B, 12 B, QUAD
2|0001 B, 1000 B, 0000 B, 0 B,
3|0001 B, 0000 B, 0000 B, 0 B,
4|0001 B, 0010 B, 0000 B, 0 B,
5|3301 B, 1100 B, 0000 B, 0 B,
6|3331 B, 3110 B, 1000 B, 0 B,
7|3031 B, 1111 B, 0000 B, 0 B,
8|0001 B, 1131 B, 0000 B, 0 B,
9|0001 B, 1111 B, 0000 B, 0 B,
10|0000 B, 0111 B, 1010 B, 0 B,
11|0000 B, 0111 B, 0110 B, 0 B,
12|0000 B, 0110 B, 0110 B, 0 B,
13|0000 B, 0100 B, 0000 B, 0 B,
14|DECIMAL -->
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+-----Block      117-----
0|( SECOND ROTATED GALAX1 PATTERN )
1|DECIMAL DATA GAL1R2 4 B, 12 B, QUAD
2|0001 B, 0000 B, 0000 B, 0 B,
3|0010 B, 0000 B, 0000 B, 0 B,
4|0001 B, 0001 B, 0000 B, 0 B,
5|0000 B, 1110 B, 0000 B, 0 B,
6|0330 B, 1311 B, 0100 B, 0 B,
7|3333 B, 1111 B, 1000 B, 0 B,
8|0001 B, 1110 B, 1000 B, 0 B,
9|0001 B, 1101 B, 1000 B, 0 B,
10|0001 B, 1130 B, 0100 B, 0 B,
11|0000 B, 0033 B, 0010 B, 0 B,
12|0000 B, 0033 B, 0000 B, 0 B,
13|0000 B, 0033 B, 0000 B, 0 B,
14|DECIMAL -->
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+-----Block 118-----
0|( THIRD ROTATED GALAX1 PATTERN )
1|DECIMAL DATA GAL1R3 4 B, 11 B, QUAD
2|0110 B, 0000 B, 0000 B, 0 B,
3|0100 B, 0000 B, 0000 B, 0 B,
4|0010 B, 0001 B, 0000 B, 0 B,
5|0011 B, 1110 B, 0200 B, 0 B,
6|0331 B, 1311 B, 0100 B, 0 B,
7|3333 B, 1111 B, 1000 B, 0 B,
8|0000 B, 1113 B, 1001 B, 0 B,
9|0000 B, 1111 B, 1101 B, 0 B,
10|0000 B, 0033 B, 0000 B, 0 B,
11|0000 B, 0003 B, 3000 B, 0 B,
12|0000 B, 0033 B, 3000 B, 0 B,
13|DECIMAL -->
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+-----Block 119-----
0|( LAST ROTATED GALAX1 PATTERN )
1|DECIMAL DATA GAL1R4 4 B, 8 B, QUAD
2|0000 B, 0101 B, 0000 B, 0 B,
3|0000 B, 0101 B, 0000 B, 0 B,
4|0100 B, 1111 B, 1001 B, 0 B,
5|0111 B, 1313 B, 1111 B, 0 B,
6|0000 B, 1111 B, 1000 B, 0 B,
7|0033 B, 3111 B, 3000 B, 0 B,
8|0333 B, 0111 B, 0000 B, 0 B,
9|0330 B, 0010 B, 0000 B, 0 B,
10|DECIMAL -->
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+-----Block 120-----
0|( FIRST ROTATED GALAXIAN 4 )
1|DATA GAL4R1 4 B, 11 B, QUAD
2|0000 B, 2220 B, 0000 B, 0000 B,
3|0022 B, 2000 B, 0000 B, 0000 B,
4|0021 B, 1130 B, 0000 B, 0000 B,
5|0211 B, 1133 B, 3000 B, 0000 B,
6|0211 B, 1133 B, 3000 B, 0000 B,
7|0000 B, 1131 B, 3000 B, 1000 B,
8|0011 B, 1111 B, 3000 B, 0000 B,
9|0110 B, 0111 B, 0000 B, 1000 B,
10|1000 B, 0000 B, 0000 B, 0000 B,
11|0002 B, 2001 B, 0000 B, 1000 B,
12|0000 B, 0022 B, 0000 B, 0000 B,
13|DECIMAL -->
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+-----Block 121-----
0|( SECOND ROTATED GALAXIAN 4 )
1|DATA GAL4R2 4 B, 11 B, QUAD
2|0002 B, 0000 B, 0000 B, 0000 B,
3|0020 B, 0000 B, 0000 B, 0000 B,
4|0210 B, 0000 B, 0000 B, 0000 B,
5|2113 B, 3333 B, 0000 B, 0000 B,
6|2111 B, 1133 B, 0000 B, 0000 B,
7|2111 B, 1313 B, 0000 B, 0000 B,
8|2101 B, 0113 B, 0000 B, 0000 B,
9|2001 B, 1113 B, 0020 B, 0000 B,
10|0010 B, 0111 B, 0200 B, 0000 B,
11|0100 B, 1111 B, 2000 B, 0000 B,
12|1002 B, 2222 B, 0000 B, 0000 B,
13|DECIMAL -->
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+-----Block 122-----
0|( THIRD ROTATED GALAXIAN 4 )
1|DATA GAL4R3 4 B, 11 B, QUAD
2|0020 B, 0000 B, 0000 B, 0000 B,
3|0200 B, 0030 B, 0000 B, 0000 B,
4|0203 B, 3333 B, 0000 B, 0000 B,
5|2111 B, 1133 B, 0000 B, 0000 B,
6|2111 B, 1313 B, 3020 B, 0000 B,
7|2211 B, 1111 B, 1020 B, 0000 B,
8|0200 B, 1111 B, 1220 B, 0000 B,
9|0200 B, 1011 B, 1200 B, 0000 B,
10|0001 B, 1011 B, 2200 B, 0000 B,
11|0001 B, 0022 B, 0000 B, 0000 B,
12|0010 B, 0000 B, 0000 B, 0000 B,
13|DECIMAL -->
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+-----Block 123-----
0|( LAST GALAXIAN 4 ROTATED )
1|DATA GAL4R4 4 B, 11 B, QUAD
2|0000 B, 0300 B, 0000 B, 0000 B,
3|2000 B, 3330 B, 0020 B, 0000 B,
4|2003 B, 3333 B, 0020 B, 0000 B,
5|2133 B, 1313 B, 3120 B, 0000 B,
6|2111 B, 1311 B, 1120 B, 0000 B,
7|2211 B, 1111 B, 1220 B, 0000 B,
8|0221 B, 0101 B, 2000 B, 0000 B,
9|0022 B, 0102 B, 2000 B, 0000 B,
10|0002 B, 0102 B, 0000 B, 0000 B,
11|0000 B, 0100 B, 0000 B, 0000 B,
12|0000 B, 0100 B, 0000 B, 0000 B,
13|DECIMAL -->
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+-----Block 150-----
0|( GALAXIANS GAME )
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+-----Block 151-----
0|( MORE GOODIES ) DECIMAL
1|DATA GALAXNORMLPAT GAL1A , GAL1A , GAL2A , GAL3A , GAL4 ,
2|0 , 0 , 0 , GAL1B , GAL1B , GAL2B , GAL3B , GAL4 ,
3|5 ARRAY GALXPAT
4|46 BARRAY GAL1AB 46 BARRAY GAL2AB 46 BARRAY GAL3AB
5|60 BARRAY GAL4AB
6|HEX : MAKEPATS CL 0 0 GAL4 20 WRITEP 0 200 GAL4 20 WRITEP
7|C D 0 GAL4AB 0 0 SNAP 0 GAL4AB 4 GALXPAT !
8|1000 1000 GAL1A 20 WRITEP 1000 1200 GAL1B
9|20 WRITEP 6 D 0 GAL1AB 1000 1000 SNAP 0 GAL1AB DUP 0 GALXPAT !
10|1 GALXPAT !
11|2000 1000 GAL2A 20 WRITEP 2000 1200 GAL2B 20 WRITEP
12|6 D 0 GAL2AB 2000 1000 SNAP 0 GAL2AB 2 GALXPAT !
13|3000 1000 GAL3A 20 WRITEP 3000 1200 GAL3B 20 WRITEP
14|6 D 0 GAL3AB 3000 1000 SNAP 0 GAL3AB 3 GALXPAT ! ;
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+-----Block 152-----
0|( BUMP GALAXIAN RACK COORDINATES ) HEX
1|SUBR GALBUMPER MASTERY LHL D, DMASTERY LDED, 7 D BIT, 0=, IF,
2|INVUL LBCD, ELSE, INVLL LBCD, THEN, FLIPCHECK CALL,
3|0=, IF, DMASTERY SDED, ELSE, D DAD, MASTERY SHLD, THEN,
4|RELMT CALL, RET,
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+-----Block 153-----
0|( INTERRUPT BOMB DROPPER ) HEX
1|F= TBBLP F= DROPLP F= NODROP F= OKDROP F= NOBOMB F= NOBOMB1
2|SUBR BOMBDROPPER <ASSEMBLE
3|0 A MVI, MAGIC OUT, PQT B X A LDX, 0 PQT B X MVIX,
4|LABEL TBBLP PSW PUSH,
5| 0 BOMBARRAY H LXI,
6|NBOMBS A MVI,
7|LABEL DROPLP PSW PUSH, M C MOV, C A MOV,
8|A ANA, NOBOMB JRZ, 055 XRI, A M MOV, 5 D LXI, D DAD, M D MOV,
9|C A MOV,
10|H DCX, M E MOV, D STAX, 05 CPI, 0=, IF, 050 A MVI, D STAX,
11|H INX, H INX, NOBOMB1 JMPR, THEN,
12|H DCX, M B MOV, H DCX, M C MOV, XCHG,
13|B DAD, XCHG, H DCX, M DCR, M A MOV, 3 CPI,
14|NODROP JRC, 6 D BIT, OKDROP JRZ,
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+-----Block 154-----
0|( INTERRUPT BOMB DROPPER CONTINUED )
1|LABEL NODROP H DCX, 0 M MVI, NOBOMB JMPR,
2|LABEL OKDROP H INX, H INX, H INX, 05 A MVI, D STAX,
3|E M MOV, H INX, D M MOV, H INX, NOBOMB1 JMPR,
4|LABEL NOBOMB BOMBASIZE D LXI, D DAD,
5|LABEL NOBOMB1 PSW POP, A DCR, DROPLP JRNZ,
6|PSW POP, A DCR, TBBLP JRNZ,
7|RET,
8|ASSEMBLE>
9|DECIMAL -->
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+-----Block 155-----
0|( START A BOMB DROPPING ) HEX
1|F= BOMBSL F= BOMBEND
2|SUBR BOMBADIER <ASSEMBLE PQSFRZ PQS X BITX, RNZ,
3|H PUSH, 0 BOMBARRAY H LXI, NBOMBS B MVI, BOMBASIZE D LXI,
4|LABEL BOMBSL M A MOV, A ANA, BOMBEND JRZ, D DAD, BOMBSL DJNZ,
5|H POP, RET,
6|LABEL BOMBEND 05 M MVI, H INX, VXH X A LDX, A M MOV, H INX,
7|VYH X A LDX, A SRLR, A SRLR, A C MOV, VYH FBVECTOR LDA,
8|A SRLR, A SRLR, 0 SUB, 04, IF, 0FD CPI, CY~, IF,
9|-1 D LXI, 04, -7 D LXI, THEN,
10|ELSE, 3 CPI, CY, IF, -1 D LXI, ELSE, 4F D LXI,
11|THEN, THEN, E M MOV, H INX, D M MOV, H INX, XCHG,
12|VSAL X L LDX, VCAH X H LDX, 100 B LXI, 7 VMAGIC X BITX,
13|0=, IF, 2 DAD, ELSE, A XDA, 2 DSEC, THEN, 20 A MVI,
14|MAGIC OUT, 05 M MVI, XCHG, E M MOV, H INX, D M MOV,
15|H POP, RET, ASSEMBLE> DECIMAL -->

```

```

+-----Block 156-----
0|( ANIMATION LISTS TO ACTIVATE FIREBASE AND BOMBING )
1|SUBR GALINTER CKATRS CALL, EXPLODEFB CALL, RET,
2|HEX DATA GALFBA GALINTER SETI 1805 B005 SETDDC PLAYERANIM AJMP
3|( BOMB GOODIES )
4|DATA INITBOMBS BOMBDROPPER SETR NULPAT SETP 2 SWAIT
5|DECIMAL
6|DATA BOMBR 10 SWAIT BOMBADIER ASMCALL 20 SWAIT BOMBADIER
7|ASMCALL ARET -->
8|
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```

```

+-----Block 157-----
0|( SPACE MISSIONS GALXIAN ATTACK SOUND- GA ) HEX
1|DATA GASCORE
2| #FS3 #E3 #G2 ATONE BTONE CTONE
3| 4 -1 0F MOVESOUND
4| 10 MASTER 3 -1 20 8 RAMBLE 1 COUNTLIMITS
5| 18 NOISE 0 VIBS 44 ABVOLS 24 MCVOLS
6| PLAY 42 VIBS RERAMBLE 1 COUNTLIMITS
7| PLAY 3 1 30 20 RAMBLE 44 VIBS 1 COUNTLIMITS
8| PLAY 3 1 40 10 RAMBLE 4A VIBS 2 COUNTLIMITS
9| PLAY 4 -1 10 18 RAMBLE QUIET
10|-->
11|
12|
13|
14|
15|

```

```

+-----Block 158-----
0|( SPACE MISSIONS BMUSIC BLOCK cont. )
1|SUBR GA GASCORE H LXI, 0 MUSIC-BARRAY-2 Y LXIX, bmusic JMP,
2|DECIMAL -->
3|
4|
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```

```

+-----Block 159-----
0|( SUBROUTINE TO START AN ATTACKER VECTOR ) DECIMAL
1|F= DINGBAT
2|SUBR ATSTART <ASSEMBLE DI, PINTERFLAG LDA, A ANA, DINGBAT JRNZ,
3|H PUSH, B PUSH, 4|S D LXI, D PUSH,
4|getnode CALL, H PUSH,
5|FRAME 2 Y L LDX, 3 Y H LDX, H PUSH, X POPX,
6|CLRVEC CALL, 7 Y A LDX, A VFYBH X STX, 6 Y C LDX,
7|XRACKBITS CALL, M XRA, A M MOV, EI, Y PUSHX, GETASTATE CALL,
8|Y POPX, L VYL X STX, H VYH X STX, E VXL X STX, D VXH X STX,
9|SETSTDW CALL, STARTVEC CALL,
10|UNFRAME B POP, B POP, B POP, H POP,
11|TOGGLEMEMBER CALL, GA JMP,
12|LABEL DINGBAT EI, RET, ASSEMBLE>
13|CODE ATT X PUSHX, H POP, Y PUSHX, D POP, EXX,
14|B POP, H POP, ATSTART CALL,
15|EXX, D PUSH, Y POPX, H PUSH, X POPX, NEXT -->

```

```

+-----Block 160-----
0|( ROUTINE TO RETARGET AN ATTACKER )
1|HEX SUBR AABS A ANA, RP, CMA, A INR, RET,
2|( ACTUAL TARGETER )
3|SUBR TARGET H PUSH, VYH X A LDX, VFYBH X SUBX,
4|A SRLR, A SRLR, A C MOV, VYH FBVECTOR LDA, A SRLR, A SRLR,
5|C SUB, A SRAR, A SRAR, A E MOV, VDYH X B LDX, B SUB, A C MOV,
6|E A MOV, B XRA, C A MOV, 0<, IF, A SRAR, C ADD, THEN,
7|A VDDYL X STX, 7 A BIT, 0 A MVI,
8|0<>, IF, CMA, THEN, A VDDYH X STX,
9|VDDYL X A LDX, AABS CALL, 0E ANI, 6 CFI, CY~, IF, 6 A MVI,
10|THEN, A C MOV, 0 B MVI, VPTBL X L LDX, VPTBH X H LDX,
11|B DAD, M E MOV, H INX, M D MOV, E VPATL X STX,
12|D VPATH X STX, H POP, RET,
13|DECIMAL -->
14|
15|

```

```

+-----Block 161-----
0|( PATTERN TABLE FOR GAL3 )
1|DATA GAL3TBL GAL3A , GAL3R1 , GAL3R2 , GAL3R3 , GAL3R4 ,
2|( PATTERN TABLE FOR GAL2 )
3|DATA GAL2TBL GAL2A , GAL2R1 , GAL2R2 , GAL2R3 , GAL2R4 ,
4|( PATTERN TABLE FOR GAL1 )
5|DATA GAL1TBL GAL1A , GAL1R1 , GAL1R2 , GAL1R3 , GAL1R4 ,
6|( PATTERN TABLE FOR GAL4 )
7|DATA GAL4TBL GAL4A , GAL4R1 , GAL4R2 , GAL4R3 , GAL4R4 ,
8|-->
9|
10|
11|
12|
13|
14|
15|

```

```

+-----Block 162-----
0|( ROUTINE TO FLIP OVER GALAXIAN )
1|DATA FLIPOVER
2|HEX A0 SETM DECIMAL 0 PATI 4 SWAIT
3|2 PATI 4 SWAIT
4|4 PATI 4 SWAIT
5|6 PATI 4 SWAIT
6|8 PATI 4 SWAIT
7|HEX 20 SETM DECIMAL
8|6 PATI 4 SWAIT
9|4 PATI 4 SWAIT
10|2 PATI 4 SWAIT
11|0 PATI 8 SWAIT
12|ARET
13|-->
14|
15|

```

```

+-----Block 163-----
0|( LEFT ROLL SEQUENCE )
1|DATA LEFTROLL
2|XADDWRITE SETR
3|-3 -2 SETDDC 64 -128 SETDC 0 PATI 8 SWAIT
4|2 PATI 4 SWAIT
5|4 PATI 4 SWAIT
6|6 PATI 4 SWAIT
7|8 PATI 4 SWAIT
8|-3 4 SETDDC 4 SWAIT
9|HEX A0 SETM DECIMAL 6 PATI 4 SWAIT
10|4 PATI 4 SWAIT
11|2 PATI 4 SWAIT 0 PATI 4 SWAIT HEX 20 SETM DECIMAL
12|8 SWAIT 0 1 SETDDC ARET
13|DATA REENTER 19200 SETXC NULPAT SETP 0 0 SETDC
14|0 0 SETDDC 10 SWAIT RENTGAL SETR 2 SWAIT
15|0 PATI 24 SWAIT FLIPOVER ACALL 120 SWAIT AHALT -->

```

```

+-----Block 164-----
0|( RIGHT ROLL SEQUENCE )
1|DATA RIGHTROLL
2|XADDWRITE SETR HEX A0 SETM DECIMAL
3|-3 2 SETDDC 64 128 SETDC 0 PATI 8 SWAIT
4|2 PATI 4 SWAIT
5|4 PATI 4 SWAIT
6|6 PATI 4 SWAIT
7|8 PATI 4 SWAIT
8|-3 -4 SETDDC 4 SWAIT
9|HEX 20 SETM DECIMAL 0 PATI 4 SWAIT
10|4 PATI 4 SWAIT
11|2 PATI 4 SWAIT 0 PATI 4 SWAIT HEX A0 SETM DECIMAL 8 SWAIT
12|0 -1 SETDDC ARET
13|DATA REENTER 19200 SETXC NULPAT SETP 0 0 SETDC 0 0 SETDDC
14|25 SWAIT RENTGAL SETR 2 SWAIT 0 PATI 4 SWAIT FLIPOVER ACALL
15|120 SWAIT AHALT -->

```

+-----Block 165-----

0|(LEFT ROLL GAL3)
1|DATA DIVE3 TARGET ASMCALL BOMBR ACALL 30 SWAIT TARGET ASMCALL
2|40 SWAIT TARGET ASMCALL 40 SWAIT REENTER AJMP
3|DATA LEFT3 GAL3TBL SETPT LEFTROLL ACALL DIVE3 AJMP
4|DATA RIGHT3 GAL3TBL SETPT RIGHTROLL ACALL DIVE3 AJMP
5|-->
6|
7|
8|
9|
10|
11|
12|
13|
14|
15|

+-----Block 166-----

0|(LEFT ROLL GAL2)
1|DATA DIVE2 TARGET ASMCALL BOMBR ACALL 30 SWAIT TARGET ASMCALL
2|10 SWAIT BOMBADIER ASMCALL 60 SWAIT
3|REENTER AJMP
4|DATA LEFT2 GAL2TBL SETPT LEFTROLL ACALL DIVE2 AJMP
5|DATA RIGHT2 GAL2TBL SETPT RIGHTROLL ACALL DIVE2 AJMP
6|-->
7|
8|
9|
10|
11|
12|
13|
14|
15|

+-----Block 167-----

0|(ROLL GAL1 LEFT AND RIGHT)
1|DATA DIVE1 TARGET ASMCALL BOMBR ACALL 10 SWAIT TARGET ASMCALL
2|76 SWAIT REENTER AJMP
3|DATA LEFT1 GAL1TBL SETPT LEFTROLL ACALL DIVE1 AJMP
4|DATA RIGHT1 GAL1TBL SETPT RIGHTROLL ACALL DIVE1 AJMP
5|-->
6|
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8|
9|
10|
11|
12|
13|
14|
15|

```

+-----Block 168-----
0|( RANDOM GORF GOODIES )
1|HEX
2|DATA GORFEXIT 40 0 SETDC 11 SWAIT REENTER AJMP
3|DATA GALGORFR 0 100 SETDC 0A AREPEAT GORF SETP 5 SWAIT
4|GORFB SETP 5 SWAIT ALOOP GORFEXIT AJMP
5|DATA GALGORF 4800 SETXC NULPAT SETP
6|0 0 SETDC 0 0 SETDDC 28 SWAIT 0FE 0 SETS
7|RENTGAL SETR 1 SWAIT GORFB SETP 10 SWAIT
8|XADDWRITE SETR 1 GALGORFR RANDOMDO
9|0 -100 SETDC
10|0A AREPEAT GORF SETP 5 SWAIT GORFB SETP 5 SWAIT ALOOP
11|GORFEXIT AJMP
12|DECIMAL -->
13|
14|
15|

```

```

+-----Block 169-----
0|( LEFT PEELOFF FOR GALAXIAN 4 )
1|DATA DIVE4 TARGET ASMCALL BOMBR ACALL 20 SWAIT TARGET ASMCALL
2|40 SWAIT TARGET ASMCALL 46 SWAIT 3 GALGORF RANDOMDO
3|REENTER4 AJMP
4|DATA LEFT4 GAL4TBL SETPT LEFTROLL ACALL DIVE4 AJMP
5|DATA RIGHT4 GAL4TBL SETPT RIGHTROLL ACALL DIVE4 AJMP
6|-->
7|
8|
9|
10|
11|
12|
13|
14|
15|

```

```

+-----Block 170-----
0|( ATTACK PATH TABLES )
1|DECIMAL
2|DATA LEFTATBL LEFT1 , LEFT1 , LEFT2 ,
3|DATA RIGHTATBL RIGHT1 , RIGHT1 , RIGHT2 ,
4|DATA ATG1 32 B, 255 B, 11 B, 240 B, LEFT3 , 19 B, 0 B, LEFT3 ,
5|20 B, 0 B, LEFT4 , 255 B,
6|DATA ATG2 0 B, 144 B, 19 B, 0 B, RIGHT3 , 27 B, 16 B, RIGHT3 ,
7|20 B, 0 B, RIGHT4 , 255 B,
8|DATA ATG3 32 B, 255 B, 35 B, 240 B, LEFT3 , 43 B, 0 B, LEFT3 ,
9|44 B, 0 B, LEFT4 , 255 B,
10|DATA ATG4 0 B, 144 B, 43 B, 0 B, RIGHT3 , 51 B, 16 B, RIGHT3 ,
11|44 B, 0 B, RIGHT4 , 255 B,
12|DATA ATGTBL ATG1 , ATG2 , ATG3 , ATG4 ,
13|-->
14|
15|

```



```

+-----Block 171-----
0|( SUBROUTINE TO RESET THE ATTACK TIMER )
1|HEX SUBR SETATMR B PUSH, A C MOV, SKILLFACTOR LDA, A ANA,
2|0=, IF, LDAR, 3F ANI, ELSE, 0 C MVI, LDAR, 1F ANI, THEN,
3|A B MOV, INVADERSLEFT LDA, B ADD, C ADD, ATTACKTIMER STA,
4|B POP, RET,
5|( SUBROUTINE TO ABORT IF INVADER TOO CLOSE TO EDGES )
6|F= NOGO
7|SUBR CKPATH <ASSEMBLE H PUSH,
8|C A MOV, CALCINVT CALL, MASTERY LDED, D DAD, H A MOV,
9|H POP, 1E CPI, NOGO JRC, 094 CPI, NOGO JRNC,
10|M E MOV, H INX, M D MOV, XCHG, A ORA, RET,
11|LABEL NOGO A XRA, RET, ASSEMBLE >
12|DECIMAL -->
13|
14|
15|

```

```

+-----Block 172-----
0|( ATTACK ROUTINE FOR CODES 1 THRU 6 ) HEX
1|SUBR AT1T6
2|C A MOV, 4 CPI, CY, IF, LEFTINVN LDA, A DCR, LEFTATBL H LXI,
3|ELSE, RIGHTINVN LDA, 4 SUI, RIGHTATBL H LXI,
4|THEN, C ADD, A C MOV, 3 ANI,
5|RLC, A E MOV, 0 D MVI, D DAD,
6|H PUSH, XRACKBITS CALL, H POP, RZ,
7|CKPATH CALL, RZ, 0 B MVI,
8|ATSTART CALL, 10 A MVI, SETATMR JMP,
9|DECIMAL -->
10|
11|
12|
13|
14|
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```

+-----Block 173-----
0|( ATTACK ROUTINE FOR CODES 7-10 )
1|HEX F= ATSL F= PTL F= NOPE
2|SUBR ATG7T10 <ASSEMBLE
3|C A MOV, RLC, A C MOV, 0 B MVI, ATGTBL H LXI, B DAD,
4|M E MOV, H INX, M D MOV, XCHG, MASTERY 1 + LDA, M CMP,
5|RC, H INX, M CMP, RNC, H INX, H PUSH, 0 B MVI,
6|LABEL PTL M C MOV, H PUSH, XALIVEBITS CALL, 0<>, IF,
7|XRACKBITS CALL, 0<>, IF, B INR, ELSE, H POP, H POP, RET,
8|THEN, THEN, H POP, H INX, H INX, H INX, H INX, M A MOV, A INR,
9|PTL JRNZ, H POP, D ORA, RZ,
10|50 A MVI, SETATMR CALL,
11|LABEL ATSL M C MOV, H INX, M B MOV, H INX, M E MOV, H INX,
12|M D MOV, H INX,
13|C A MOV, A INR, RZ, H PUSH, D PUSH, B PUSH, XRACKBITS CALL,
14|B POP, H POP, NOPE JRZ, ATSTART CALL,
15|LABEL NOPE H POP, ATSL JMPR, ASSEMBLE > DECIMAL -->

```

```

+-----Block 174-----
0|( CHECK FOR ATTACK ROUTINE ) HEX
1|F= NOAT
2|CODE CHECKATTACK <ASSEMBLE X PUSHX, Y PUSHX, EXX,
3|ATTACKTIMER LHLD, H A MOV, L ORA, NOAT JRNZ,
4| LDAR, 0F ANI, A INR,
5|0D CPI, CY, IF, RRC, 7 ANI, A C MOV, AT1TS CALL,
6| ELSE, 0D SUI, A C MOV, ATG7T10 CALL, THEN,
7|LABEL NOAT EXX, Y POPX, X POPX, NEXT
8|ASSEMBLE>
9|DECIMAL -->
10|
11|
12|
13|
14|
15|
+-----Block 175-----
0|( PHASOR INTERCEPT CHECK ROUTINE )
1|F= INTLOG
2|SUBR PINTER <ASSEMBLE
3|PINTERFLAG LDA, A ANA, RNZ,
4|1 C MVI, CHECKALL CALL, 0<>, IF,
5|POSRH POS Y RESX, POSDW POS Y SETX,
6|VYL Y L LDX, VYM Y M LDX, PINTERY SHLD,
7|VXL Y L LDX, VXH Y H LDX, PINTERX SHLD,
8|VRACK Y C LDX, 8 C BIT, 0=, IF, XALIVEBITS CALL, M XRA,
9|A M MOV, THEN, 1 A MVI, INTLOG JMPR,
10|THEN, RACKCHECK CALL, RZ, 2 A MVI,
11|LABEL INTLOG PINTERFLAG STA, C A MOV, PINTERN STA,
12|reverse CALL, POSRH POS X RESX,
13|RET, ASSEMBLE>
14|-->
15|
+-----Block 176-----
0|( GALAXIAN RACK SCORE TABLE AND COLORS )
1|HEX
2|DATA GALRSTSL 30 , 30 , 40 , 50 , 60 ,
3|DATA GALCOLORS 0 3, 7D B, 0B B, 5A B, 0 B, 7D B, 0B B, 5A B,
4|DECIMAL -->
5|
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```

```

+-----Block 177-----
0|( INITIALIZE GALAXIAN GAME )
1|HEX : INITGAL @ FLOOD INITMISSIONRAM 32 MISSION !
2|RESETRACK MAKEPATS DRAWMISSIONSCREEN
3|GALBUMPER BUMPMASTERROUTINE ! @ GALAXPAT INVPATAB !
4|GALAXNORMMLPAT NORMMLP1 ! 3000 MASTERX ! PINTER PHASINTR !
5|80 @ DO MASTERY @ ! ANIMSTATE ! MASTERX @ I 1+ ANIMSTATE !
6|2 +LOOP
7|8 @ DO @ I RACKBITS B! LOOP
8|7 @ ALIVEBITS @! OF 1 ALIVEBITS B! 1F 2 ALIVEBITS B!
9|OF 3 ALIVEBITS B! OF 4 ALIVEBITS B! 1F 5 ALIVEBITS B!
10|OF 6 ALIVEBITS B! 7 7 ALIVEBITS B!
11|20 INVADERSLEFT ! @ LEFTINVN ! 38 RIGHTINVN !
12|0 PINTERFLAG ! SATOTAL @ DO @ I BOMBARRAY B! LOOP
13|GALRSTBL RSTBL ! GALFBA FBANIM ! ACTFB
14|GETNODE DUP PV1 ! @ SWAP ! INITBOMBS @ A2 VSTART
15|GALCOLORS COLOR ; DECIMAL -->

```

```

+-----Block 178-----
0|( SCAN LOOP AND WAIT ROUTINE )
1|: GALSCAN WRTINV CHECKATTACK FIRECHECK PHASORINTERCEPTCHECK
2|PLAYERHITCHECK BMS ;
3|: GSWAIT WTIMER ! BEGIN WRTINV FIRECHECK PHASORINTERCEPTCHECK
4|BMS WTIMER @ @ = END ;
5|: GSWAIT1 WTIMER ! BEGIN FIRECHECK PHASORINTERCEPTCHECK
6|BMS WTIMER @ @ = END ;
7|DECIMAL
8|-->
9|
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```

```

+-----Block 179-----
0|( ANIMATION STUFF TO DUMP OUT GALAXIANS )
1|DATA DUMPREENTER 19200 SETXC NULPAT SETP RENTGAL SETR
2|1 SWAIT @ PAT1 20 SWAIT FLIPOVER ACALL 120 SWAIT AHALT
3|DATA DUMPGAL1 GAL1TBL SETPT DUMPREENTER AJMP
4|DATA DUMPGAL2 GAL2TBL SETPT DUMPREENTER AJMP
5|DATA DUMPGAL3 GAL3TBL SETPT DUMPREENTER AJMP
6|DATA DUMPGAL4 GAL4TBL SETPT 19200 SETXC NULPAT SETP
7|RENTGAL SETR @ SWAIT @ PAT1 @ SWAIT FLIPOVER ACALL 120 SWAIT
8|AHALT
9|-->
10|
11|
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```

```

+-----Block 180-----
0|( DUMPST ROUTINE )
1|HEX 1A2 C= DUMPST DECIMAL
2|: DUMPGALS WRTINV
3|57 0 DO DUMPGAL1 I DUMPST VSTART 8 +LOOP 120 GSWAIT1
4|58 1 DO DUMPGAL1 I DUMPST VSTART 8 +LOOP 110 GSWAIT
5|59 2 DO DUMPGAL2 I DUMPST VSTART 8 +LOOP 100 GSWAIT
6|52 11 DO DUMPGAL3 I DUMPST VSTART 8 +LOOP 100 GSWAIT
7|DUMPGAL4 20 DUMPST VSTART DUMPGAL4 44 DUMPST VSTART
8|180 ATTACKTIMER ! ;
9|-->
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```

```

+-----Block 181-----
0|( SCAN LOOP AND STARTUP )
1|HEX
2|: GALAXIANS XDI INITGAL DUMPGALS BEGIN GALSCAN
3|ENDOFFRAME @ END GALCOLORS SC 3 FDB EMUSIC EZMUSIC ;
4|HEX A5 GSAB U! ' GALAXIANS GSAB 1+ U!
5|: BEGINGAME STARTGAME SKILLFACTOR ! GSAB 1+ @ DOIT ;
6|DECIMAL
7|;S
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```

```

+-----Block 198-----
0|( SYSTEM LOAD ROUTINE ) 16 BASE !
1|CODE I 6EDD , 00 B, 66DD , 01 B, E5 B, NEXT
2|CODE UNMAP 0AF B, 0F8D3 , 0F9D3 , 0FF3E , 0FAD3 , NEXT
3|HERE CONSTANT .eot ( end of TERSE )
4| 0 VARIABLE .e ( #blks .eot - 4000 ) 0 VARIABLE .dp
5| 0 VARIABLE .t ( #blks 4000 - 8000 ) 0 VARIABLE .vp
6| 0 VARIABLE .h ( #blks 8000 - HERE ) 0 VARIABLE .la
7| 1 VARIABLE .f ( #blks F000 - FFFF )
8|: bload ( from-blk to-addr #blks --- next-blk )
9| DUP >R 0 DO 2DUP DROP I + BLOCK 2DUP DROP
10| I 400 * + 400 UNPROT BMOVE PROT LOOP DROP R> + ;
11|: boot .e 1 bload .eot .e @ bload
12| 4000 .t @ bload 8000 .h @ bload F000 .f @ bload
13| .dp @ DP I .vp @ VPTR I .la @ LAST I ;
14|UNMAP SCR @ 1+ boot DECIMAL ." 03-18-80" . fast OK ;S
15|0A BASE I ;S

```

```

+-----Block 199-----
0| ( SYSTEM LOAD ROUTINE ) 16 BASE !
1| CODE I 6EDD , 00 B, 6GDD , 01 B, E5 B, NEXT
2| CODE UNMAP 0AF B, 0F8D3 , 0F9D3 , 0FF3E , 0FAD3 , NEXT
3| HERE CONSTANT .eot ( end of TERSE )
4| 0 VARIABLE .o ( #blks .eot - 4000 ) 0 VARIABLE .dp
5| 0 VARIABLE .t ( #blks 4000 - 8000 ) 0 VARIABLE .vp
6| 0 VARIABLE .b ( #blks 8000 - HERE ) 0 VARIABLE .la
7| 1 VARIABLE .f ( #blks F000 - FFFF )
8| : bload ( from-blk toaddr #blks --- next-blk )
9| DUP >R 0 00 2DUP DROP ? + BLOCK 2DUP DROP
10| I 400 * + 400 UNPROT BMOVE PROT LOOP DROP R> + ;
11| : boot .o 1 bload .eot .o @ bload
12| 4000 .t @ bload 8000 .h @ bload F000 .f @ bload
13| .dp @ DP ! .vp @ VPTR ! .la @ LAST ! ;
14| UNMAP SCR @ 1+ boot DECIMAL ." 03-18-80" .fast OK ;S
15| 0A BASE ! ;S

```

GALAXIANS
MISSION 4

FIX
WALTERS