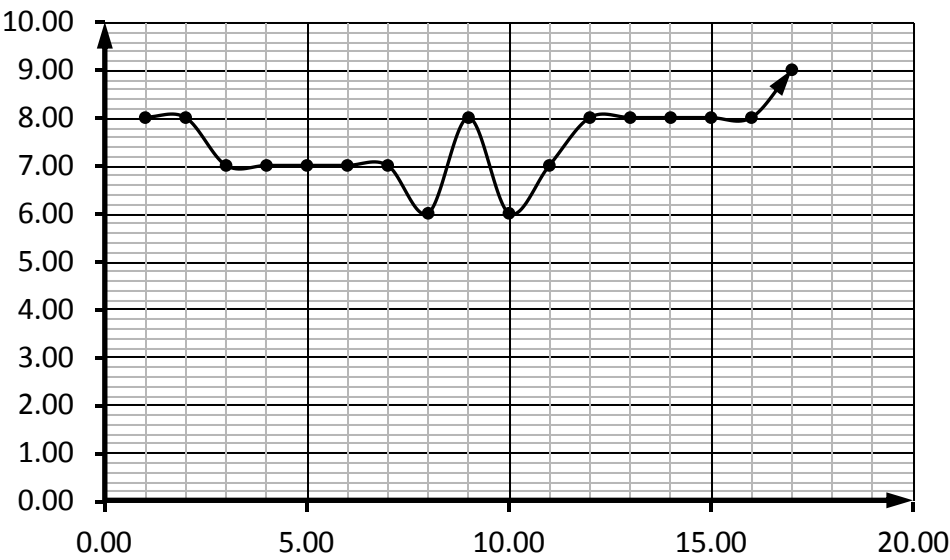
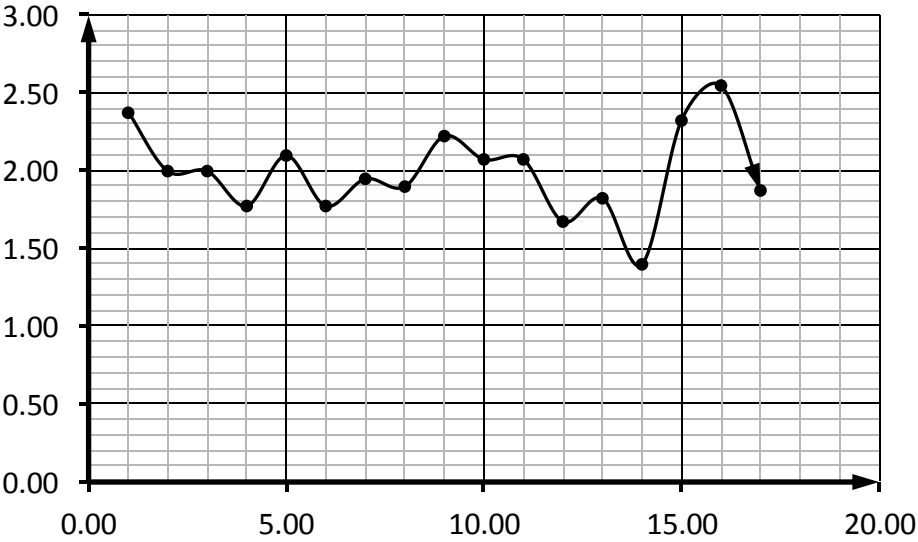


| num | minimum | fitness | best |
|-----|---------|---------|------|
| 1   | 0       | 2.375   | 8    |
| 2   | 0       | 2       | 8    |
| 3   | 0       | 2       | 7    |
| 4   | 0       | 1.775   | 7    |
| 5   | 0       | 2.1     | 7    |
| 6   | 0       | 1.775   | 7    |
| 7   | 0       | 1.95    | 7    |
| 8   | 0       | 1.9     | 6    |
| 9   | 0       | 2.225   | 8    |
| 10  | 0       | 2.075   | 6    |
| 11  | 0       | 2.075   | 7    |
| 12  | 0       | 1.675   | 8    |
| 13  | 0       | 1.825   | 8    |
| 14  | 0       | 1.4     | 8    |
| 15  | 0       | 2.325   | 8    |
| 16  | 0       | 2.55    | 8    |
| 17  | 0       | 1.875   | 9    |

X: num collum Y:best collum



X: num collum Y: fitness collum



```

generation 0:
0001100010011001011000111001011110001000110100010110011110101011
111000010010011010100001111110110110101000101101101101101010111
001011011111001011100100001010100001001111000000110011001111011
00010100100001101101000001110001101101101110100101111101011110101
1001001001011101011011011001100001011010101010101101111011011010
10100001100010101100111111000011000000101001011000001000100000
01100111110110010101011001101011101010001001111011011000001011
01011110011011011010111110110011100111001110111100010001001001
110100100111100101001010000101000110111101101010001011100111000
1110101101001110111010100110110011110000111111100101100011010000
1011100101000101010100111000011010111011101100011011111111000
11000010100101011110001110001010001010101010101001010110010110010
000011001000000100101110100011111000110111001101110011101101001
0011100001100110111101001100101000010101111010011010110110011
101100001010000100110001000010010111000101111110101101010011000
1000000100000101111101001010011001001010101010100110000000010
01000111000001010010000010000011111001101011101001110000001111
0001111010100010110000101101011100100000100000100011010011000011
11010010100010010011110100001011010001000110000000001011110111
111011111010101101101101110101010011000110111010101110000010001

```

```

generation 9:
110001111101011111111101011111100111011111101011111111
11000110111011011111111101011101111011111111111110011111011
1101010111010111111110001011011110001011111111111011111111
110101010101011111111101011101110110111111111111111111111
110101011101011111111100101101110001011111111111011111110
01010101010101111111110101110100110111111111110101110111
01010101010101111111110101110100110111111110101010111111
11010111111010011111110101111100111001011110101011111111
11010111110101011111111010111110011101111111101111111111
110101010111011111111111010111010011111110111111011111111
1101010111110111111111010111110011101010101010011111111
1101010111110111111111010111010011101011111010101011101
110101011111011111111101011101001110100111010101111101
11010101010101111111110101110100111010111111111111111110
110001111101010111111010101111110011101111111111111111101
110011111110101011111111010111111001110101010101001111111
11010111111010011111110101111010011101011101010111111101
11010101010101111111110101111100111011111111111111111111
1101011111101011111111010111101001110101111111011111101
110101111110101111111101011110100111010111111101111101

```

[illegible]

```

110101100011001001110001101111110111001111000011011011010110
1010001111010110110010100101000011001000111101001100101010010
10011000011010011011110010110011101011101101101100111111101
11101010100101001010100101010010110000101000001011110000100
010010011101001001011110101000100110010101111010110110110011
11001001000100011011001000101011110101110001101110101010100011
010000111000101101100010010000101000101111000110000101000101
1000011111100010010100000101110100110000001101010111010101
000010111011110011101010011000000100000101000001100110000001
0101011110111010010100001010011000110010101001100111010001
00001100010010110011110101110101100000100000110001010110110
0101110010100110011101100011000011001001000010011001011111
010001110011101001111001100001010111000100011110011000011000
00010100010111011001100010110000010000101000101010001010110000
100101111100001111100001010101010100110011001100010000100001110
01010010000000100001100011001100101010011111100111011001100110
100111010100100001010011011111101100001000001010100010011
01011000110100011101110001101101101111100010100001001000010
11010101100101111110000011000001111110011101110011011010101
100010001000101000001110110000010100110010100010001000010100

```

[illegible]

|                                                                   |                     |
|-------------------------------------------------------------------|---------------------|
| 0010000000110011111100000000101000100101110111001010101011111101  | 180 --first player  |
| 010110100000000001001101110110000010111000000110001001101000001   | 150 --second player |
| 00100000001100111111000000001010001001011101110010101010101111101 | 153 --first player  |
| 1011110000111011010001111011000101010110101100110100001011010001  | 168--second player  |
| 00100000001100111111000000001010001001011101110010101010101111101 | 156--first player   |
| 0000111011010111010010001001100011100101110101101111010010101000  | 166--second player  |
| 00100000001100111111000000001010001001011101110010101010101111101 | 162--first player   |
| 110001001100010010100111111011001000110011100010001100001001110   | 162--second player  |
| 00100000001100111111000000001010001001011101110010101010101111101 | 141--first player   |
| 0111011111110011011111101010110111100100010101010110100010000011  | 176--second player  |
| 00100000001100111111000000001010001001011101110010101010101111101 | 156--first player   |
| 110000010101011100000101111111101001011010000101000011011101100   | 166--second player  |
| 00100000001100111111000000001010001001011101110010101010101111101 | 177--first player   |
| 0000111001010001001000101010000001110101100101000010101101100100  | 152--second player  |
| 00100000001100111111000000001010001001011101110010101010101111101 | 171--first player   |
| 1010101100100001111011001010000000001010110001011001110001010001  | 156--second player  |

0010000000110011111100000000101000100101110111001010101011111101159--first player

1110010101110001010101100000010111010000000111110011001101100011164--second player

Game #17 (final) log

1110011101001101010111101110011001001100111111100100111011000101148

0110010111101111011111110001111001011101011111100100111011001000158

1110011101001101010111101110011001001100111111100100111011000101145

0110011101001111011011110011110110101101111111110111011010001000160

1110011101001101010111101110011001001100111111100100111011000101151

0110010111101011011011110001111001011001111111100100111011000101156

1110011101001101010111101110011001001100111111100100111011000101145

1110011101001101010111110001111001011111010010011111111100110011160

1110011101001101010111101110011001001100111111100100111011000101139

0000000111101111011111110110101110110111111111111100111011000101164

1110011101001101010111101110011001001100111111100100111011000101151

0110010111101011011011110001111001011001111111100100111011000101156

1110011101001101010111101110011001001100111111100100111011000101142

011001110100111101101111000011111110111111111100100111011000101162

1110011101001101010111101110011001001100111111100100111011000101145

0110011101001011011011110000111110110111111111010110111011000101160

1110011101001101010111101110011001001100111111100100111011000101145

011001111100111101101111001110110101101111111010111011010001000160