

Prisoner's Dilemma

Rules:

A		B	
+	5	0	-
+	2	2	+
-	3	3	-
-	0	5	+

The best player:

011111111000000101101010010100111010001000011100110000000000111

1	Best player	011111111000000101101010010100111010001000011100110000000000111	167
	Random Player	0010010011111010101100010011101000010000100011000110001000	162
	The win player	best	
2	Best player	011111111000000101101010010100111010001000011100110000000000111	161
	Random Player	0000010111010001110010001001011010010101001010011110101001110010	166
	The win player	random	
3	Best player	011111111000000101101010010100111010001000011100110000000000111	149
	Random Player	0010100110111001011101010010001100001111010100110001111001111110	174
	The win player	random	
4	Best player	011111111000000101101010010100111010001000011100110000000000111	161
	Random Player	110000101000101010000000001101111101010001011010001110111101010	166
	The win player	random	
5	Best player	011111111000000101101010010100111010001000011100110000000000111	170
	Random Player	010110100100001010100000010000001111001110110101101000010011010	160
	The win player	best	
6	Best player	011111111000000101101010010100111010001000011100110000000000111	176
	Random Player	0010101001000010000111101000110000111010100011010000110000100001	156
	The win player	best	
7	Best player	011111111000000101101010010100111010001000011100110000000000111	152
	Random Player	1101100001011101011101101000010011011000110110111001010001001010	172
	The win player	random	
8	Best player	011111111000000101101010010100111010001000011100110000000000111	167
	Random Player	0011000000011011100100100010111010010111000100100110000110100	162
	The win player	best	
9	Best player	011111111000000101101010010100111010001000011100110000000000111	152
	Random Player	111010111000001001101110001011101110010000010110010001000111101	172
	The win player	random	
10	Best player	011111111000000101101010010100111010001000011100110000000000111	164
	Random Player	0110101010100101010011000100011010001000001111011011010001100100	164
	The win player	no	

The win game – fitness = 4

The best player:

111100000100101101010010011111100010111111100110000101011100110

1	Best player	111100000100101101010010011111100010111111100110000101011100110	175
	Random Player	011100010000101101001010010000000000010001010011110110110111111	145
	The win player	best	
2	Best player	111100000100101101010010011111100010111111100110000101011100110	160
	Random Player	10010110101100011110110100100000101100110011001100011111011011	155
	The win player	best	
3	Best player	111100000100101101010010011111100010111111100110000101011100110	157
	Random Player	10110011011101001100100011011011011100110110110010011100011010	157
	The win player	no	

4	Best player	111100000100101101010010011111100010111111100110000101011100110	193
	Random Player	1000000010000010010001110011000011001000011100001110100011011000	133
	The win player	best	
5	Best player	111100000100101101010010011111100010111111100110000101011100110	169
	Random Player	011110010000010101001100011000011001100001110101101101010011011	149
	The win player	best	
6	Best player	111100000100101101010010011111100010111111100110000101011100110	151
	Random Player	1011111011111011111101011000000111001100010110001110000111100	161
	The win player	random	
7	Best player	111100000100101101010010011111100010111111100110000101011100110	169
	Random Player	1101100011000101000100010111100100110100000011101111010001111010	149
	The win player	best	
8	Best player	111100000100101101010010011111100010111111100110000101011100110	175
	Random Player	0000001011000000001111110111000001101100001001011010011111101001	145
	The win player	best	
9	Best player	111100000100101101010010011111100010111111100110000101011100110	133
	Random Player	10101111001100001111101011011111110001111011110110001111110101	173
	The win player	random	
10	Best player	111100000100101101010010011111100010111111100110000101011100110	175
	Random Player	1110001100010110011110100001001010010101101000011010101001110000	145
	The win player	best	

The win game – fitness = 7

The best player:

1111111000110011111000111011101010110111010111011101111011110001

1	Best player	1111111000110011111000111011101010110111010111011101111011110001	179
	Random Player	0000110010001010001100100101111101001101001101111011110001101	129
	The win player	best	
2	Best player	1111111000110011111000111011101010110111010111011101111011110001	167
	Random Player	010011000010111111000101111110101011010001011010101111100110110	137
	The win player	best	
3	Best player	1111111000110011111000111011101010110111010111011101111011110001	179
	Random Player	1101001011010011110010000110110010001000111101010100101011111100	129
	The win player	best	
4	Best player	1111111000110011111000111011101010110111010111011101111011110001	185
	Random Player	100110001011101001000011111000100000001111011110110010100001011	125
	The win player	best	
5	Best player	1111111000110011111000111011101010110111010111011101111011110001	182
	Random Player	1101001111000101111101111101010100100010110100110000000111000010	127
	The win player	best	
6	Best player	1111111000110011111000111011101010110111010111011101111011110001	179
	Random Player	11010011110100001001011001011010010100101001110101010101011110	129
	The win player	best	
7	Best player	1111111000110011111000111011101010110111010111011110111101110001	176
	Random Player	0111010111011001010001001110001110000101111011111000110010011001	131
	The win player	best	
8	Best player	1111111000110011111000111011101010110111010111011110111101110001	185
	Random Player	00011100001011110100001011001110100000000111011101011101000111110	125
	The win player	best	
9	Best player	1111111000110011111000111011101010110111010111011110111101110001	194
	Random Player	0001011110101001010001110100010110110001101100110101100000000001	119
	The win player	best	
10	Best player	1111111000110011111000111011101010110111010111011110111101110001	173
	Random Player	1111001010111110000011001001110000101111011001111000010010111110	133
	The win player	best	

The win game – fitness = 10

Y: generation ; X: fitness

