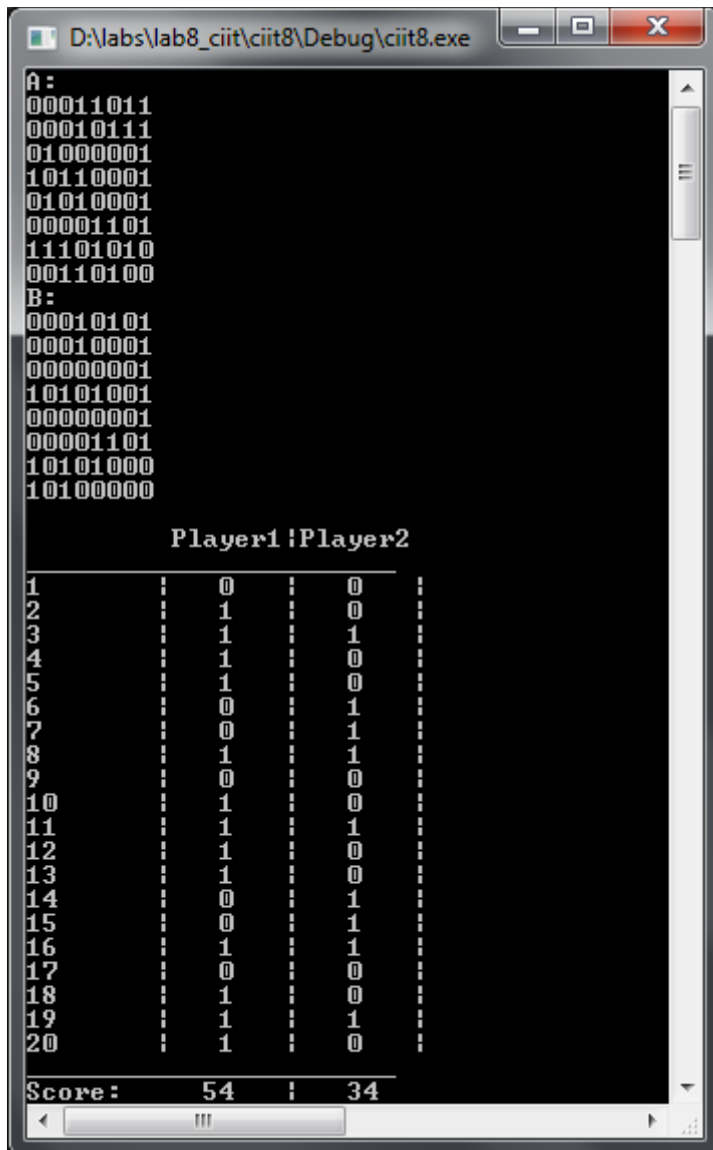


Yulia Lishko

On the first screenshot we can see game between the best and the worse players from first generation.



```
D:\labs\lab8_ciit\ciit8\Debug\ciit8.exe
A:
00011011
00010111
01000001
10110001
01010001
00001101
11101010
00110100
B:
00010101
00010001
00000001
10101001
00000001
00001101
10101000
10100000

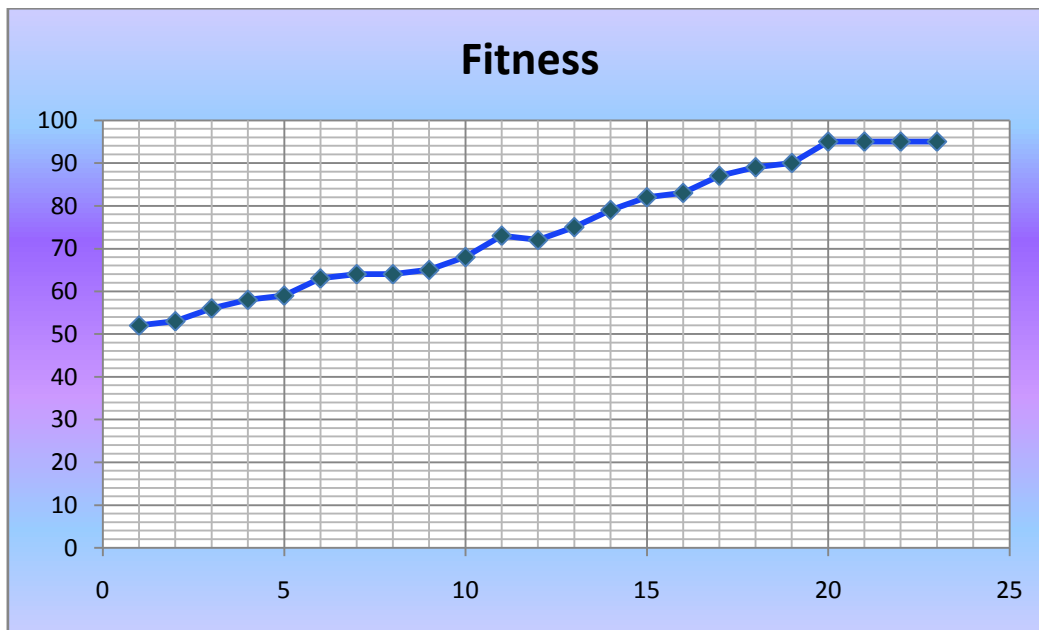
Player1 ! Player2

1 | 0 | 0
2 | 1 | 0
3 | 1 | 1
4 | 1 | 0
5 | 1 | 0
6 | 0 | 1
7 | 0 | 1
8 | 1 | 1
9 | 0 | 0
10 | 1 | 0
11 | 1 | 1
12 | 1 | 0
13 | 1 | 0
14 | 0 | 1
15 | 0 | 1
16 | 1 | 1
17 | 0 | 0
18 | 1 | 0
19 | 1 | 1
20 | 1 | 0

Score: 54 | 34
```

And this is our fitness, which shows us, how the best score changed over the generations.

Graph has some jumps because the value is selected depending on the number of positions that we get by converting a binary number to decimal.



And also 5 games between the best player and 5 random players.

D:\labs\lab8_ciit\ciit8\Debug\c...

```

A:
10111011
10110111
11110111
10110101
01110111
00011101
11101001
01110101
B:
01111000
10110001
00101111
11100101
10011000
11111001
10001101
10111011
  
```

	Player1	Player2
1	1	1
2	1	0
3	0	1
4	1	0
5	0	0
6	1	0
7	1	1
8	1	1
9	1	1
10	1	0
11	0	1
12	1	0
13	0	0
14	1	0
15	1	1
16	1	1
17	1	1
18	1	0
19	0	1
20	1	0

Score: 53 : 28

D:\labs\lab8_ciit\ci...

```

A:
10111011
10110111
11110111
10110101
01110111
00011101
11101001
01110101
B:
11011110
11100001
01011011
00000110
00010001
11110110
01101000
10100000
  
```

	Player1	Player2
1	1	1
2	0	0
3	0	1
4	1	0
5	1	1
6	0	1
7	1	0
8	0	1
9	1	0
10	0	0
11	1	0
12	1	1
13	1	1
14	1	0
15	0	1
16	1	0
17	0	0
18	1	0
19	1	1
20	1	1

Score: 50 : 35

```
D:\labs\lab8_ciit\ciit...
A:
10111011
10110111
11110111
10110101
01110111
00011101
11101001
01110101
B:
11101100
11010001
01000000
10000110
00010011
10011011
00010000
01111101

Player1:Player2
1 0 1
2 1 0
3 1 0
4 1 0
5 1 0
6 1 0
7 1 0
8 1 0
9 1 0
10 1 0
11 1 0
12 1 0
13 1 0
14 1 0
15 1 0
16 1 0
17 1 0
18 1 0
19 1 0
20 1 0

Score: 95 5
```

```
D:\labs\lab8_ciit\ciit8\De...
A:
10111011
10110111
11110111
10110101
01110111
00011101
11101001
01110101
B:
01100011
00101100
00001001
10010111
10110010
01000001
00100111
00111010

Player1:Player2
1 0 0
2 1 1
3 0 0
4 0 0
5 1 1
6 0 0
7 0 0
8 1 1
9 0 0
10 0 0
11 1 1
12 0 0
13 0 0
14 1 1
15 0 0
16 0 0
17 1 1
18 0 0
19 0 0
20 1 1

Score: 46 46
```

```
D:\labs\lab8_ciit\ciit8\D...
A:
10111011
10110111
11110111
10110101
01110111
00011101
11101001
01110101
B:
01000011
11011000
01000100
10011000
00010111
10100000
11110111
00000010

Player1:Player2

1 | 0 | 1 |
2 | 1 | 0 |
3 | 0 | 1 |
4 | 1 | 1 |
5 | 1 | 1 |
6 | 0 | 1 |
7 | 1 | 0 |
8 | 0 | 0 |
9 | 1 | 0 |
10 | 1 | 0 |
11 | 0 | 0 |
12 | 1 | 0 |
13 | 1 | 0 |
14 | 0 | 0 |
15 | 1 | 0 |
16 | 1 | 0 |
17 | 0 | 0 |
18 | 1 | 0 |
19 | 1 | 0 |
20 | 0 | 0 |

Score: 67 | 32
```