

Sorting Network

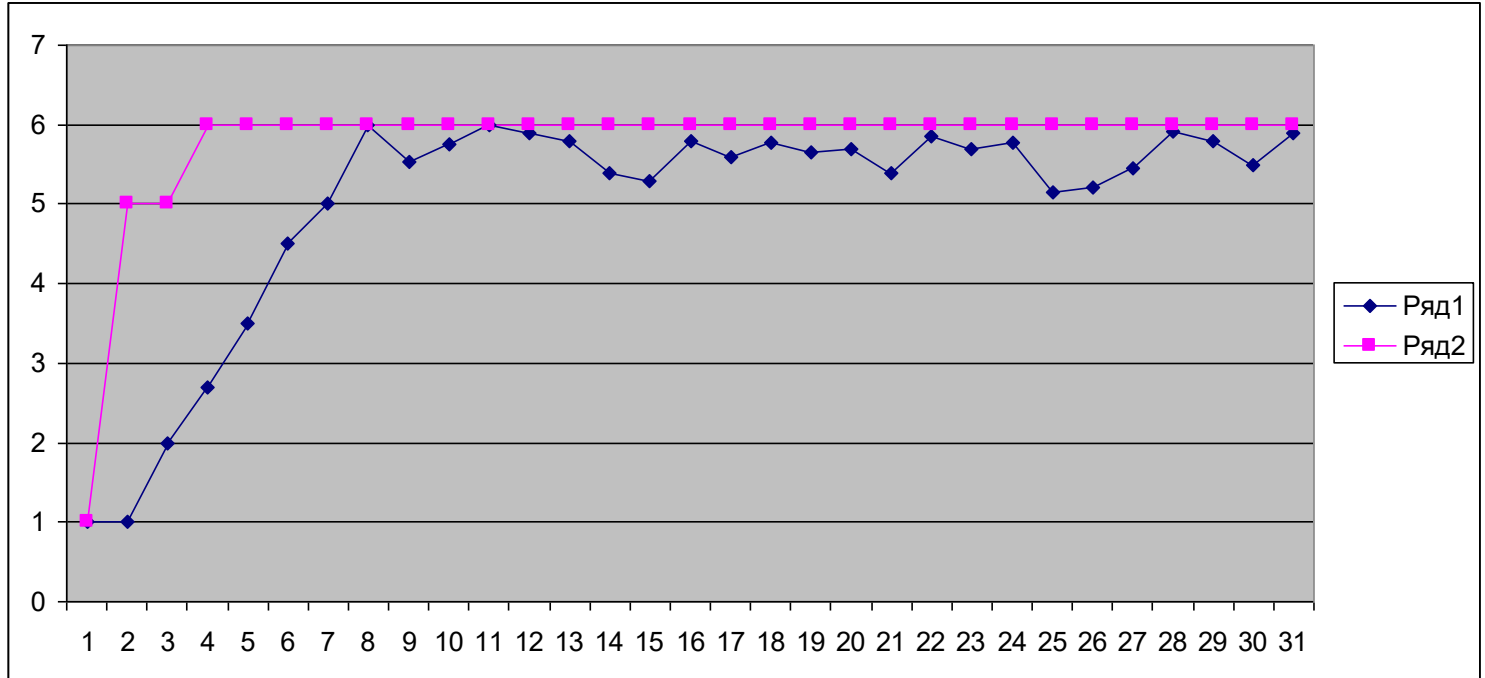
Scenario 1:

Basic data:

Size of chromosome:30

24 bits chromosome

Graph:



Ряд1-Average fitness

Ряд2-Maximum fitness

First: **DBCA**(1 fitness)-(**011101100011010110001110**)(131203112032)

Middle(11 iteration): **ABDC**(5 fitness)-(**000101101011011110011011**)(011223132123)

Last: **ABCD**(6 fitness)-(**101100001101010111010011**)(230031113103)

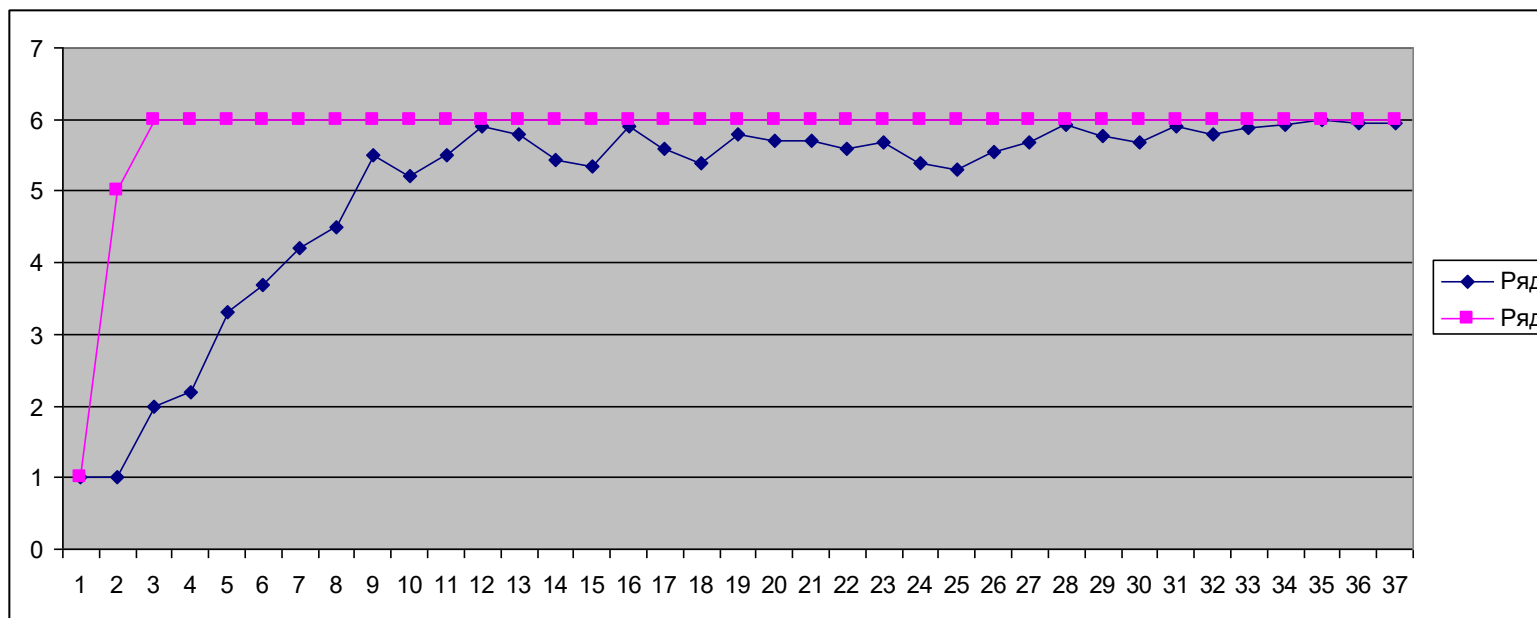
Scenario 2:

Basic data:

Size of chromosome:30

12 bits chromosome

Graph:



Ряд1-Average fitness

Ряд2-Maximum fitness

First:**CBAD**(1 fitness)-**(101100001101)**(230031)

Middle(16 iteration):**BACD**(5 fitness) -**(11010010001)**(322101)

Last: **ABCD**(6 fitness) -**(010011100111)**(103213)