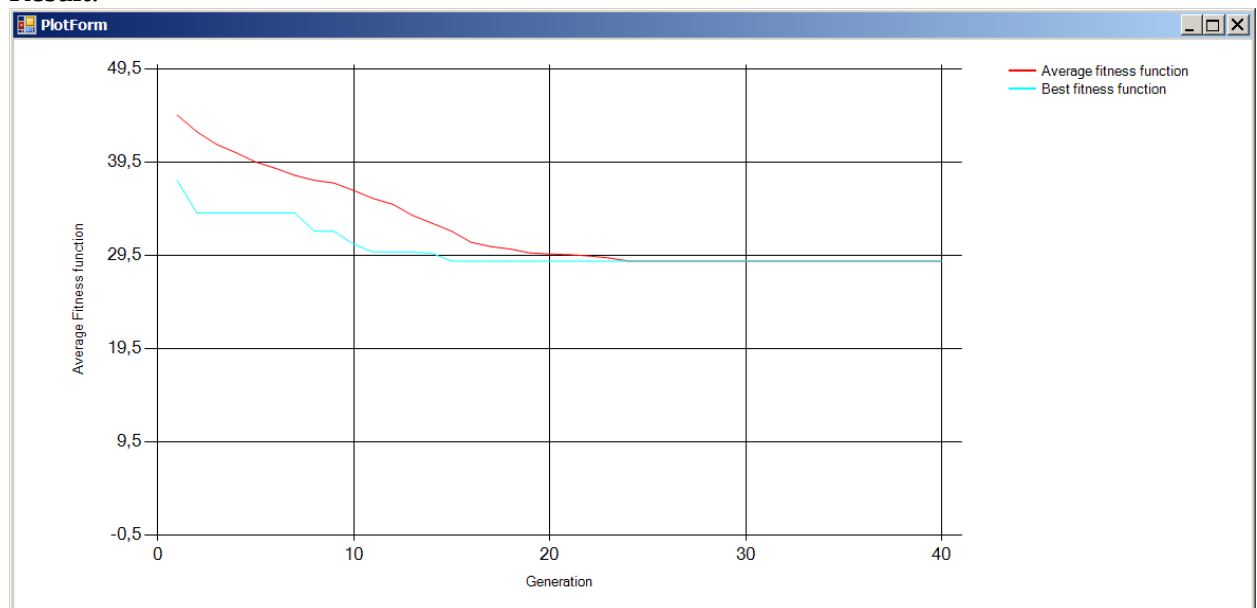


1-st scenario
 Population Size – 50
 Number of Generations – 40
 Parent selection method – Random
 Child creation type – One Point crossover
 New Generation Selection – Truncated Selection

Points:

2	4	A
9	1	B
6	2	C
1	3	D
3	9	E
8	2	F
6	3	G
8	5	H
3	7	I
7	4	J

Result:



Best path:

1-st generation:

Genes of best chromosomes: 0; 6; 9; 1; 8; 4; 7; 5; 2; 3; 0 Fitness func
 = 37,544509151092

20-th generation:

Genes of best chromosomes: 0; 6; 5; 1; 2; 9; 7; 4; 8; 3; 0 Fitness func
 = 28,8754201203373

40-th generation:

Genes of best chromosomes: 0; 6; 5; 1; 2; 9; 7; 4; 8; 3; 0 Fitness func
 = 28,8754201203373

Weight matrix:

0,00 7,62 4,47 9,00 6,08 6,40 2,24 1,41 1,41 5,00

7,62	0,00	3,16	1,41	5,10	6,32	4,12	6,08	3,16	5,00
4,47	3,16	0,00	8,25	10,00	1,41	3,61	4,12	8,49	3,61
1,41	8,25	5,10	5,10	7,62	2,00	1,00	3,61	5,83	2,24
5,10	10,00	7,62	0,00	6,32	7,07	5,00	7,28	4,47	6,08
6,32	1,41	2,00	6,32	0,00	8,60	6,71	6,40	2,00	6,40
4,12	3,61	1,00	7,07	8,60	0,00	2,24	3,00	7,07	2,24
6,08	4,12	3,61	5,00	6,71	2,24	0,00	2,83	5,00	1,41
3,16	8,49	5,83	7,28	6,40	3,00	2,83	0,00	5,39	1,41
5,00	3,61	2,24	4,47	2,00	7,07	5,00	5,39	0,00	5,00

2-nd scenario

Population Size – 50

Number of Generations – 40

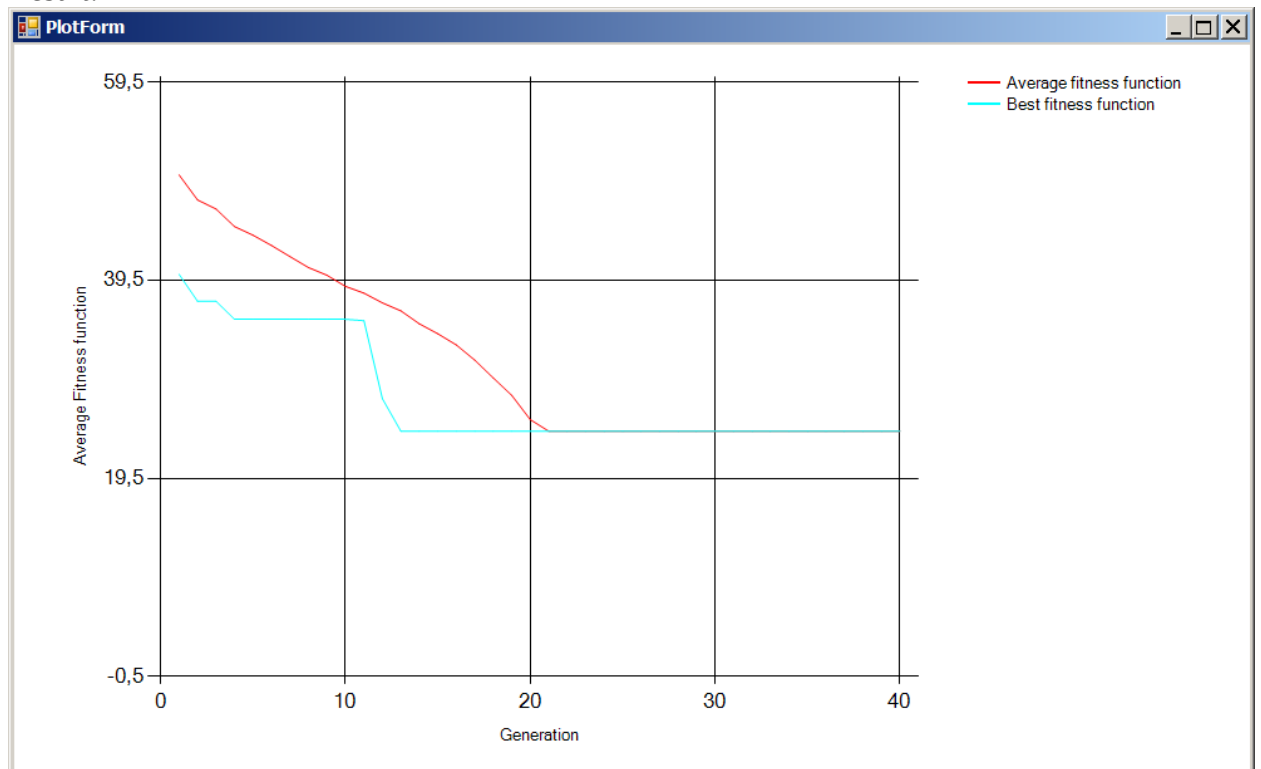
Parent selection method – Random

Child creation type – One Point crossover

New Generation Selection – Truncated Selection

3	2	A
1	4	B
1	6	C
3	8	D
5	9	E
7	8	F
9	6	G
9	4	H
7	3	I
5	1	J

Result:



Best path:

1-st generation:

Genes of best chromosomes: 0; 3; 6; 5; 4; 7; 8; 9; 2; 1; 0 Fitness func
= 40,0882211244406

20-th generation:

Genes of best chromosomes: 0; 9; 8; 7; 6; 5; 4; 3; 2; 1; 0 Fitness func
= 24,2579804089839

40-th generation:

Genes of best chromosomes: 0; 9; 8; 7; 6; 5; 4; 3; 2; 1; 0 Fitness func
= 24,2579804089839

Weight matrix:

0,00	2,83	4,47	6,00	7,28	7,21	7,21	6,32	4,12	2,24
2,83	0,00	2,00	4,47	6,40	7,21	8,25	8,00	6,08	5,00
4,47	2,00	0,00	2,83	5,00	6,32	8,00	8,25	6,71	6,40
6,00	4,47	2,83	0,00	2,24	4,00	6,32	7,21	6,40	7,28
7,28	6,40	5,00	2,24	0,00	2,24	5,00	6,40	6,32	8,00
7,21	7,21	6,32	4,00	2,24	0,00	2,83	4,47	5,00	7,28
7,21	8,25	8,00	6,32	5,00	2,83	0,00	2,00	3,61	6,40
6,32	8,00	8,25	7,21	6,40	4,47	2,00	0,00	2,24	5,00
4,12	6,08	6,71	6,40	6,32	5,00	3,61	2,24	0,00	2,83
2,24	5,00	6,40	7,28	8,00	7,28	6,40	5,00	2,83	0,00