Enter the number of cities: 4

Enter the distance matrix (use 0 for self-loops, large values for no connections):

Row 1: 0 10 15 20

Row 2: 10 0 35 25

Row 3: 15 35 0 30

Row 4: 20 25 30 0

Enter the population size: 5

Enter the maximum number of generations: 10

Initial population:

GNOME FITNESS VALUE

03210 95

02310 80

02130 95

02130 95

01320 80

Generation 1, Current Temperature: 10000.00

GNOME FITNESS VALUE

02130 95

03120 95

03120 95

03120 95

03120 95

Generation 2, Current Temperature: 9000.00

GNOME FITNESS VALUE

02310 80

03210 95

01320 80

02130 95

02130 95

Generation 3, Current Temperature: 8100.00

GNOME FITNESS VALUE

03210 95

03120 95

01230 95

01230 95

03120 95

Generation 4, Current Temperature: 7290.00

GNOME FITNESS VALUE

01230 95

02130 95

02130 95

02130 95

01320 80

Generation 5, Current Temperature: 6561.00

GNOME FITNESS VALUE

02310 80

02130 95

01230 95

03120 95

01230 95

Generation 6, Current Temperature: 5904.90

GNOME FITNESS VALUE

01320 80

03120 95

03210 95

01320 80

02130 95

Generation 7, Current Temperature: 5314.41

GNOME FITNESS VALUE

02310 80

02310 80

02130 95

03120 95

02310 80

Generation 8, Current Temperature: 4782.97

GNOME FITNESS VALUE

02130 95

02130 95

01320 80

03120 95

03210 95

Generation 9, Current Temperature: 4304.67

GNOME FITNESS VALUE

01230 95

03120 95

03120 95

02130 95

01230 95

Generation 10, Current Temperature: 3874.20

GNOME FITNESS VALUE

01320 80

03210 95

03210 95

01230 95

01320 80

Best solution found:

Path: 01320

Fitness value (total distance): 80