

Figure 1 is a line graph illustrating the evolution of 10 different routes (route 1 to route 10) over 120 iterations. The x-axis represents the iteration number (0 to 120), and the y-axis represents the fitness value (0 to 120). All routes start at various fitness levels and converge to a fitness of approximately 90 by iteration 60. After iteration 60, the routes diverge, with route 4 (red) achieving the highest fitness (~110) and route 3 (green) achieving the lowest fitness (~25) by iteration 100.

Iteration	route 1	route 2	route 3	route 4	route 5	route 6	route 7	route 8	route 9	route 10
0	65	40	65	65	65	65	65	65	65	65
20	75	45	75	75	75	75	75	75	75	75
40	85	55	85	85	85	85	85	85	85	85
60	90	90	90	90	90	90	90	90	90	90
80	90	90	90	100	95	90	95	100	95	100
100	92	23	25	110	96	90	95	105	98	108

Total distance: 1106