

Figure 1 is a line graph illustrating the evolution of 10 routes (route 1 to route 10) over 120 iterations. The y-axis represents a value ranging from 0 to 120, and the x-axis represents iterations from 0 to 120. All routes converge to a value of approximately 90 by iteration 60. After iteration 60, the routes diverge into two groups: routes 1-5 and 8-10 remain relatively stable, while routes 2, 3, 4, 6, and 7 show significant fluctuations, with route 2 peaking at 110 and route 7 peaking at 100.

**Total distance: 1085**