

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 the iteration number from 0 to 120. All routes start at different values and converge to a common value of approximately 90 by iteration 60. After iteration 60, the routes diverge significantly, with route 1 (blue) showing a sharp decline to around 20, route 2 (orange) dropping to 0 at iteration 40, and route 8 (grey) reaching the highest value of approximately 105 by iteration 80.

**Total distance: 1084**