**Problem description**

In this problem, we consider drones which are deployed to survey a forest in order to detect fires as quickly as possible. These drones are equipped with specific sensors and are initially located in a hangar (depot). Each drone has an energy capacity allowing it to cover a total distance and to move at a constant speed .

In order to monitor the forest, the drones have to fly over points of interest which are geographically distributed and then return to the depot. The distance between two points of interest and is equal to . Each drone can fly from point to any other point , if its energy capacity allows it.

The objective in this problem is to assign each point of interest to one drone while minimizing the duration of the mission, i.e., the time taken by the last drone to arrive at the depot.