VRP problem

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"What is optimal set of route for a vehicle to deliver set of object"

Objective
Minimze cost of delivery with given vehicle and depots
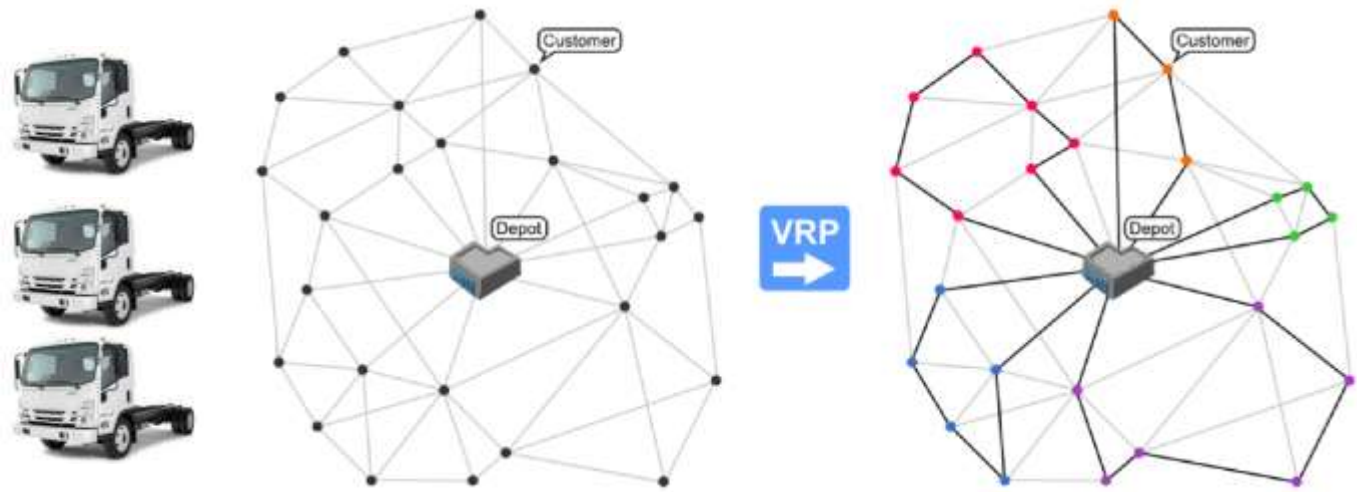
Constraints

Capacity constraints
Route time
Distance and time
Number of vehicles
Depot visit

- It is NP-hard problem

- Because of the diverse of solutions and parllelism, I thought it is effective with solve in genetic algorithm.

- Also we can think about time variance(deadline in supply, limit working time in a day...)

- Compare to classic OR-tools, apply genetic algorithms in performance side

OR-tools
Genetic algorithm
(heuristic method)

VRP problem
(How they performs?)