Travel Requests & Vehicle Status

Pairwise RV-Graph

RTV-Graph

Destination Marked by a 🔴

RTV-Graph

Passenger 5 is an initial condition on car 1

RTV-Graph

Travel requests → Pairwise RV-graph → RTV-graph → Assignment problem ILP

Vehicle status → Pairwise RV-graph

Assignment problem ILP → KO → Rebalancing LP

Assignment problem ILP → OK → Assignment Σ

(a)　　　(b)　　　(c)　　　(d)　　　(e)

RTV-Graph

Assignment problem ILP

Assignment Σ