



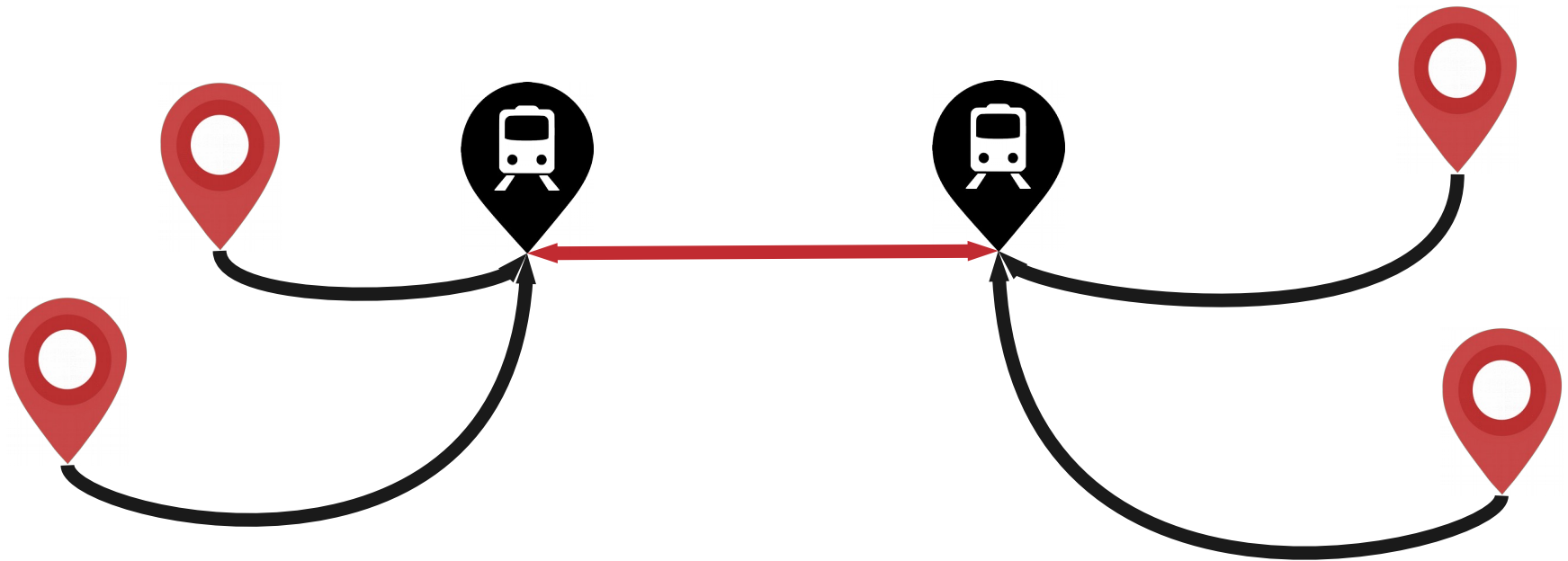
Park+Rail disbatcher

Sorting car to train transfer in the most efficient way possible

Project by the HolyFlatMap team

Concept

Help people locate the best station to drive to in order to maximize parking usage and customer satisfaction



What is it ?

Solve the Park+Rail problem by pooling.

Batch user requests

to process them together

Dispatch

users to the nearest train station with
available parking

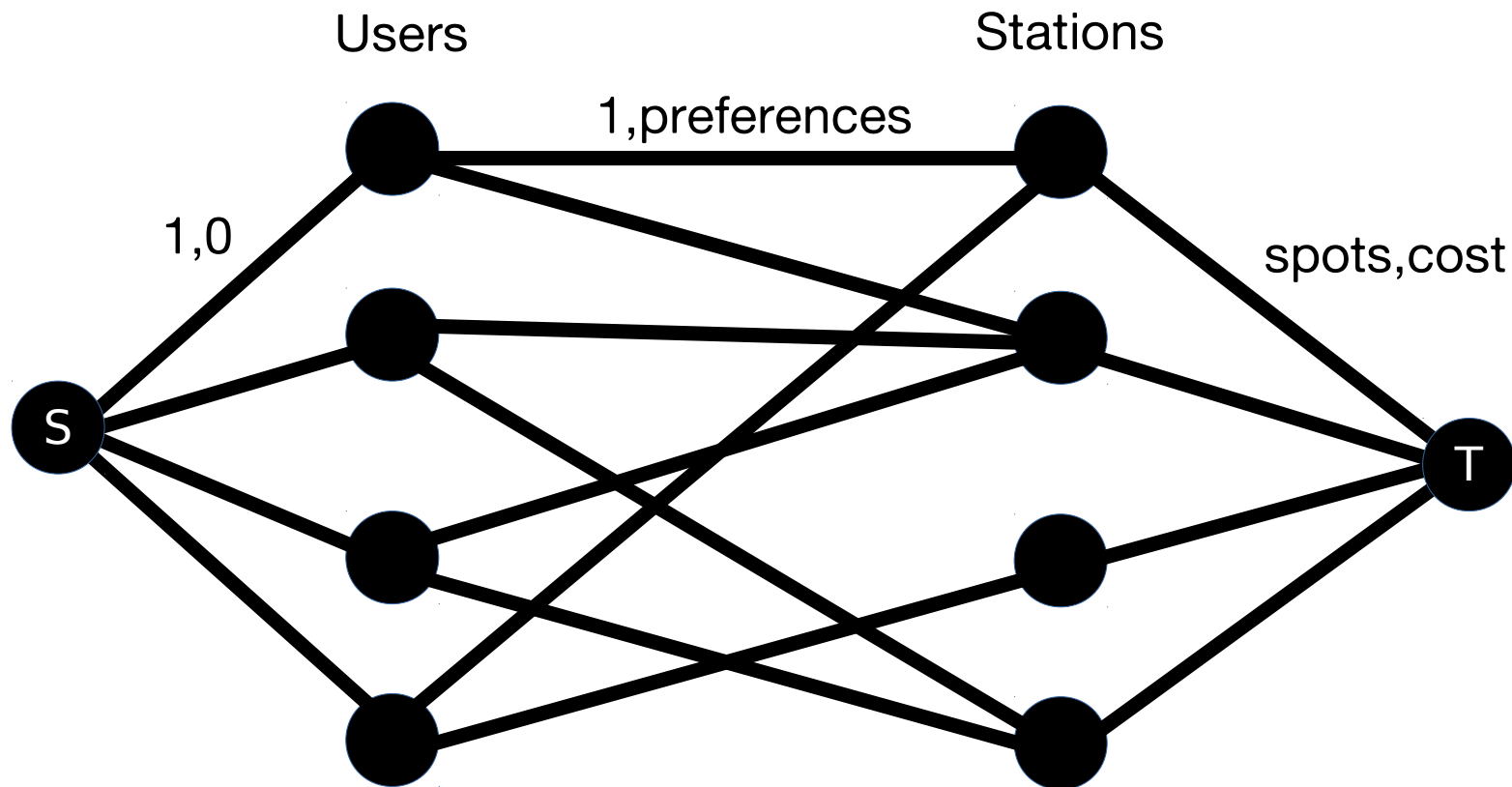
Minimize

overall travel time



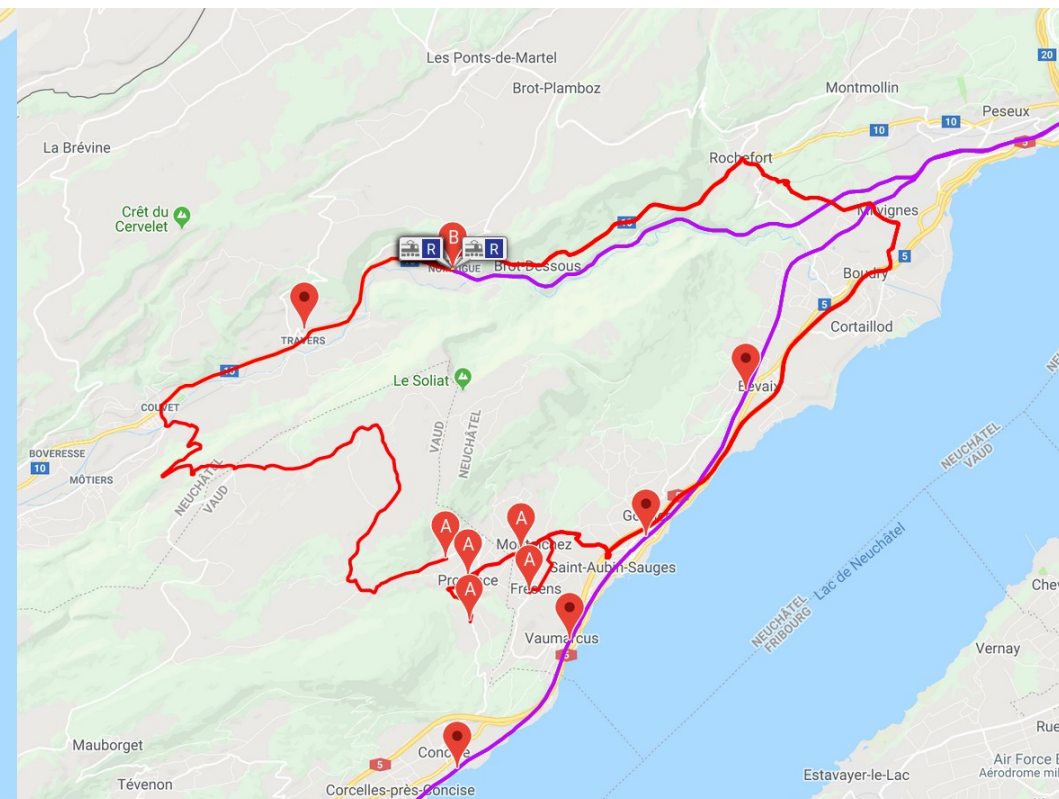
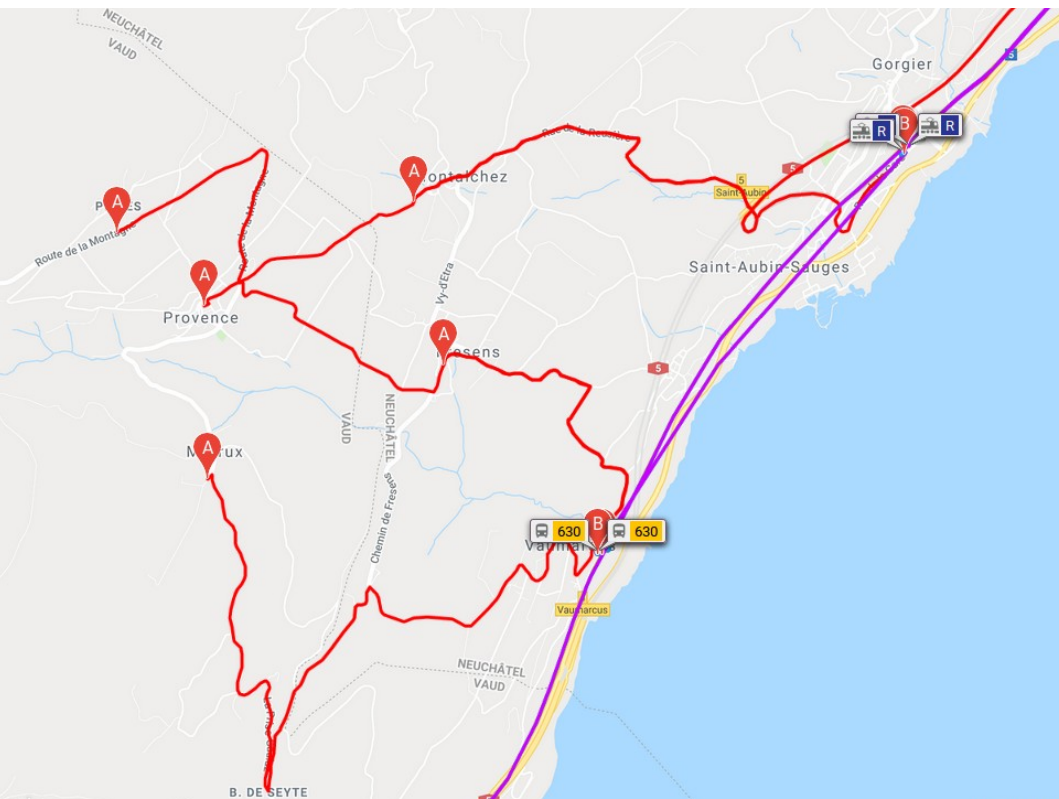
How ?

Bipartite min-cost max-flow matching



Different heuristics

Minimize travel time



**Managing transfers, cost
Travel time and train/car ratio**

Why is it good ?

Compromise between **user satisfaction** and **parking usage**.

Maximal usage	uses parking spots to their full potential
Personalization	user preferences taken into account
Fairness	optimize group satisfaction, instead of local maximization
Flexibility	objective can be easily redefined

What's next ?

Advanced user batching

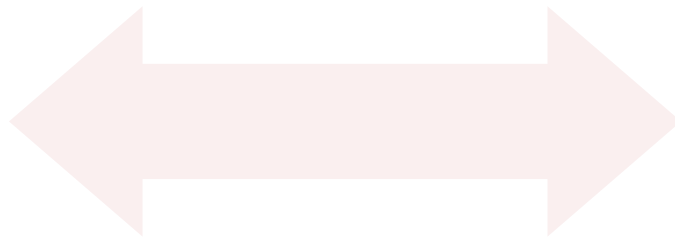
users batched according to deadlines and timetable

Car sharing

according to users car itinerary to the station

More preferences

for more customization





THANK YOU

HolyFlatMap team