

Field Mapping Task-Splitting Algorithm



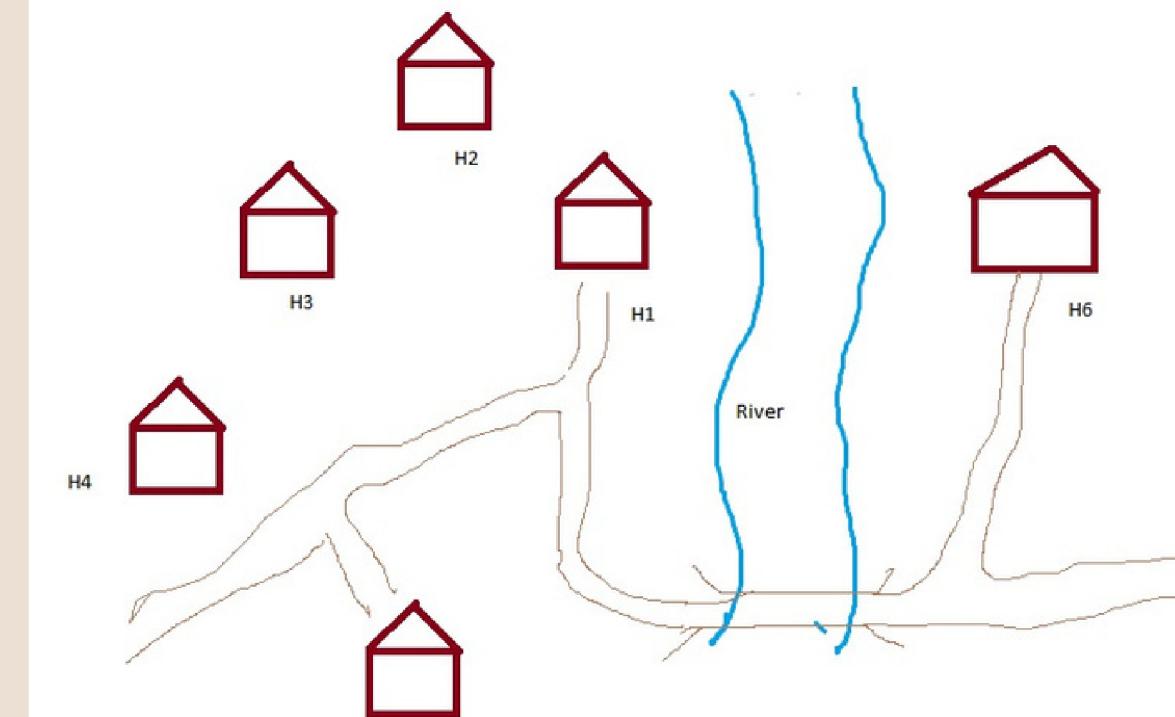
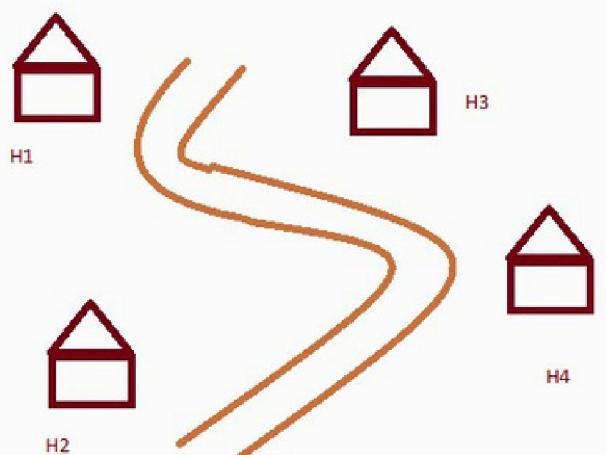
TEAM MAPPR
Mukesh
Arun
Pradeep
Priyanka
Rabina

Our Idea



- Field splitting with the help of weighted graph,
- 'Time' is major parameter.
- Fixed weight clustering.

WHY TIME?



How we started

- Consider each building a vertex.
- draw weighted edges between each vertices where edge weight is time to reach.
 - Time to reach accounts for almost all factors like elevation, blockage, bridges etc.
- Consider clustering in this weighted graph.



*What we have
done so far...*





Ideas to Implement!

Fixed Weight Clustering

Adding number of
Nodes to Cluster
weight

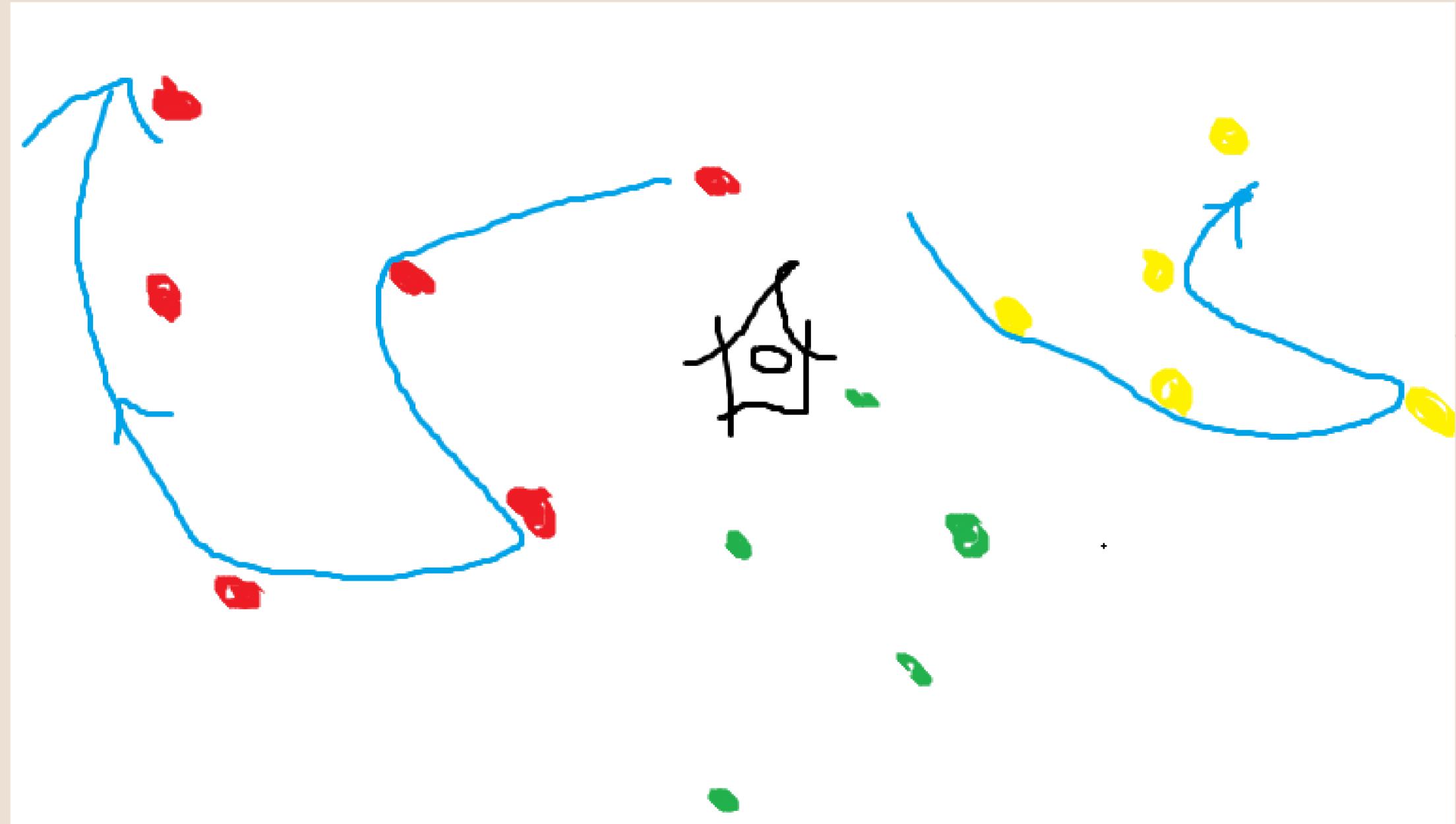
Each cluster takes fixed
time (approx 30 mins).

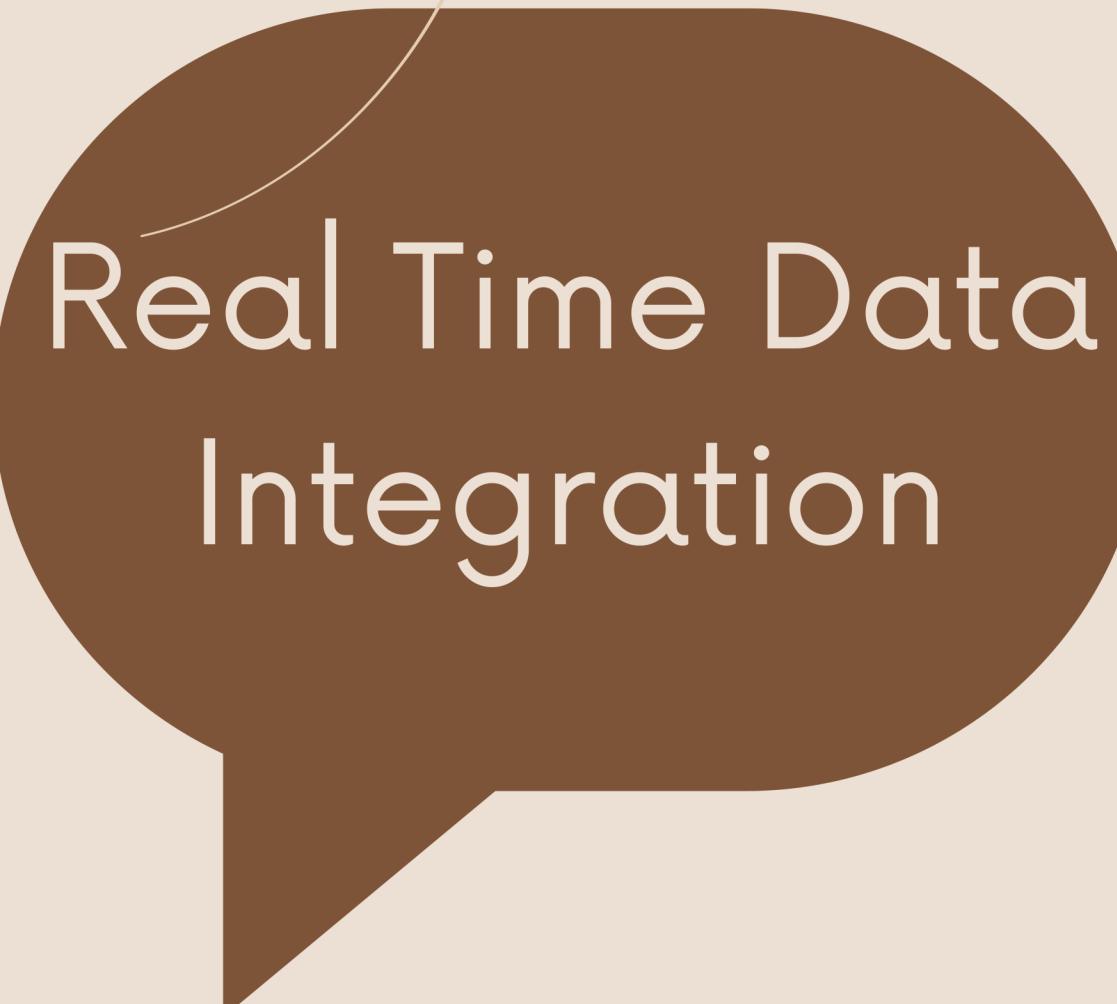
Cluster time is
proportional to weight

reduces incomplete jobs

Route
Suggestions

allows planning for
lunch and rest





Real Time Data
Integration



Flag Incorrect
Digitization