RIDIR Report

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Working on Edge Partitioner

Fixing issue with empty cells

- Exploring the option to query the quadtree but it has important drawbacks:
 - ▶ Edge information at each node is removed after partitioning, so it is not broadcasted to the other nodes.
 - ▶ Even if we have access to edge information, it stores just a sample of the full dataset.
- Fixing the issue by mantaining a list of cells covered by a single polygon.
 - ▶ Pros: Quite simple. The overcost is not significant at this stage.
 - Cons: It requires partitioning the polygon layer using the edge grid.

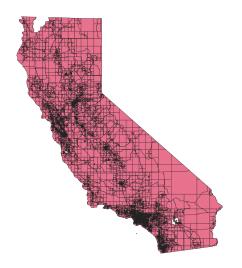
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What is next?

- ▶ Integrate the new implementation into the merged DCEL code.
- ▶ Run experiments in CA_district datasets.
- Explore new dataset.