

Geometric Range Search

BBST

- Lowest Common Ancestor

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❖ Consider, as an example, the query for (2, 15]

❖ Binary search: - $\text{search}(2).\text{succ}() = 1.\text{succ}() = \boxed{3}$

- $\text{search}(15) = \boxed{14}$

❖ Find the **lowest common ancestor** of 3 and 14: $\text{LCA}(3, 14) = \boxed{7}$

