

【DS】 Day20

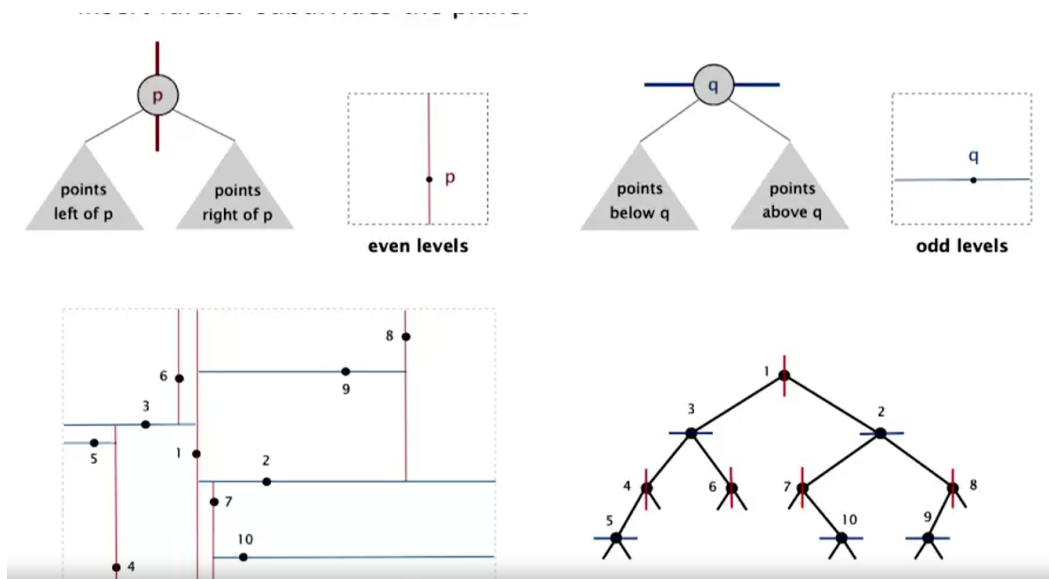
☰ Tags	
📅 Date	@June 17, 2022
☰ Summary	Kd-Trees

【Week 5】 Geometric Applications of BST

5.1 Kd-Trees

Data Structure: BST, but alternate using x- and y-coordinates as key

- Search gives rectangle containing point
- Insert further subdivides the plane



Goal: Find all points in a query axis-aligned rectangle:

- Check if point in node lies in given rectangle
- Recursively search left/bottom or top/right