

# Windowing Query

Priority Search Tree

- Order Property

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❖ Every planar point set can be represented as a heap

❖ Use  $x$ -coordinates to maintain the heap's **order property**:

for each  $v$ ,

- $v.key = v.x$
- $v.key \leq \min( v.lc.key , v.rc.key )$
- $v.x \leq \min( v.lc.x , v.rc.x )$

