

Windowing Query

Priority Search Tree

- Sibling Partitioning

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👁 For each v ,

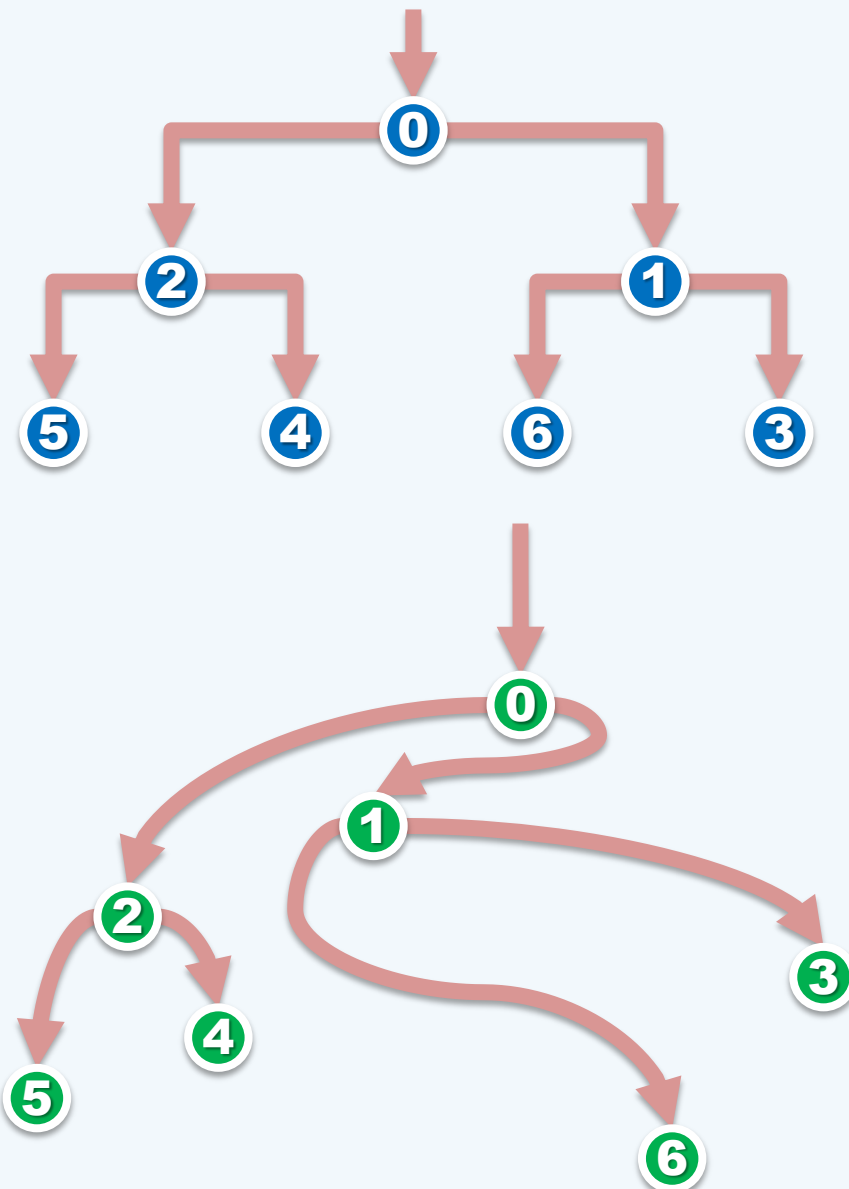
we are free to partition

between $v.lc$ and $v.rc$

❖ The **PST** chooses to

partition each subset w.r.t.

its **y-median**



❖ $|v.lc.size - v.rc.size| \leq 1$

❖ $height(PST) = O(\log n)$

❖ For any l/r in $v.l_tree/v.r_tree$

$$l.y \leq r.y$$

❖ However, it's NOT guaranteed that

$$l.y \leq v.y \leq r.y$$

