

Windowing Query

Segment Tree

- Constructing A Segment Tree

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BuildSegmentTree(I)

❖ // Construct a segment tree on

// a set I of n intervals

Sort all endpoints in I before

determining all EI's $\text{// } O(n \log n)$

Create T a BBST on all the EI's $\text{// } O(n)$

Determine $\text{Int}(v)$ for each node v

$\text{// } O(n)$ if done in a bottom-up manner

For each s of I

call $\text{InsertSegmentTree}(T.\text{root}, s)$

