

Point Location

Slab Method

- Ordering Trapezoids

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Linear Order

 \clubsuit Thus, all edges in $\mathcal{E}(S)$ can

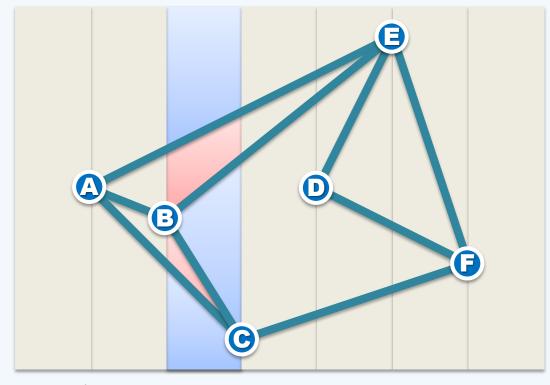
be ordered vertically, and ...

❖ In practice,

a dummy edge is added

running from $(-\infty, -\infty)$ to $(+\infty, -\infty)$ s.t.

it's guaranteed that there is an edge below each point



AOB Test

❖ A basic function used here is:

determine whether a point is

Above / On / Below an edge

❖ Recall that,

using ToLeft() test,

each AOB test can be

done in O(1) time

