Voronoi Diagram

VD_{sorted}

- Projection

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Stabbing With x-Axis

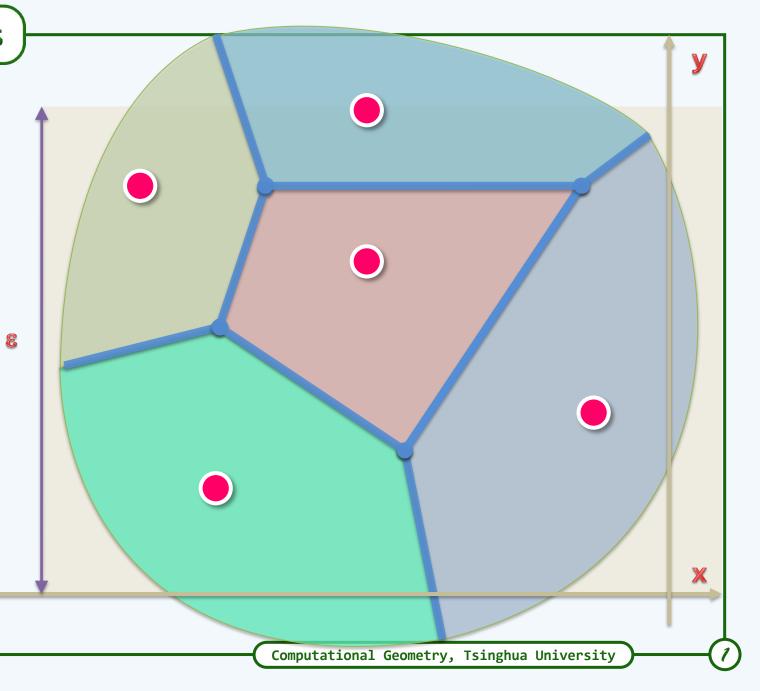
- ❖ If VD(S) is represented
 as a DCEL,

we can enumerate in order

all cells intersecting

with the x-axis

❖ And this can be done
in O(n) time //how?



❖ Now, consider the projection of the points back onto the x-axis

 X_1, \ldots, X_n

i.e. the input reals

❖ There would be 2 cases, depending on...

❖ whether or not

every x_i lies in $Cell(p_i)$

