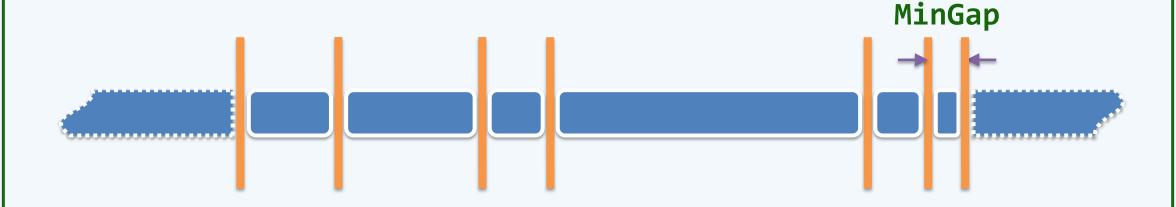# Geometric Intersection

Preliminary

- Minimum Gap

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❖ **Given n points on the real axis,**

 find the pair of neighboring points achieving the minimum **distance**

MinGap

❖ **By a reduction from** EU **,** $\Omega(n\log n)$ **is also a lower bound for** MinGap