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## Convex polygon intersection

-Claim: Intersection of two convex polygons P and Q has complexity $\mathrm{O}(|\mathrm{P}|+|\mathrm{Q}|)$

- Algorithm outine
- choose edge A on $\mathrm{P}, \mathrm{B}$ on Q arbitrarily
-     - epeat
- if $A$ intersects $B$
- print intersection (and update inside flag)
- advance A or B
until both $A$ and $B$ cycles their polygons


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## Advancing

- ddea. Ine edges A and B chase each other, adjusting so that they meet at each intersection


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