

Convex Hull

Jarvis March

- Output Sensitivity

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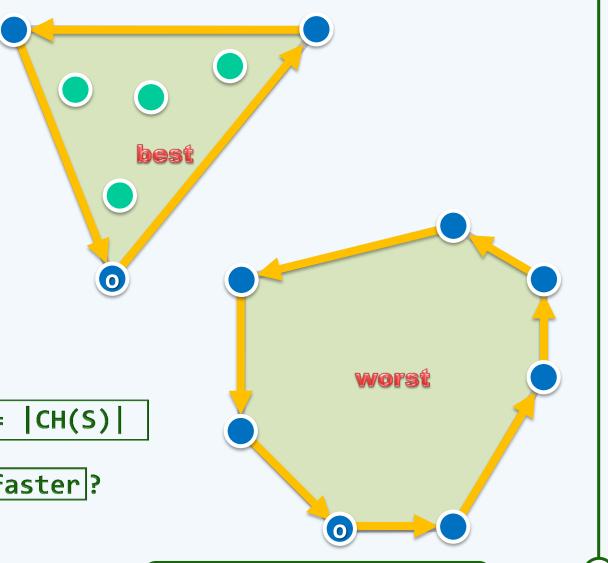
Output Sensitivity

- \Leftrightarrow We spend O(n) time on each EE
- ❖ But how many EE's would there be?
 It depends!
 - O(n) in the worst cases and
 - 0(1) in the best cases
- ❖ More specifically,

GW runs in O(nh) time, where h = |CH(S)|

❖ Can we construct the convex hull faster?

What's the lower bound for CH?



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