

Graham Scan: Algorithm

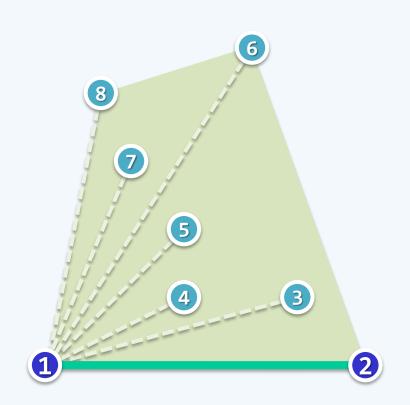
- Preprocessing

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Presorting)

- ❖ Simple data structures:
 - stack x 2
 - pointer x 3
- \Leftrightarrow Find the LTL point p_1
- ❖ Sort and number all points
 w.r.t. p₁ by polar angle
- **❖** WOLG, assume that
 - p₁p₂ is horizontal and
 - all the other points lie in the 1st and 2nd quadrants













Data Structures

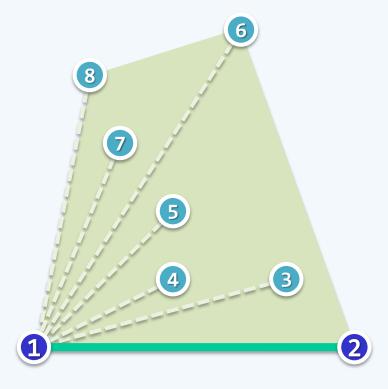
Create two stacks

$$T = \left[\langle p_3, p_4, \ldots, p_n \right]$$

$$S = [p_1, p_2 >$$

❖Use 3 links pointing

to the stack tops ...





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