

**Graham Scan: Analysis** 

-  $\Omega(n)$  Backtracks

Junhui DENG

deng@tsinghua.edu.cn

## Worst Cases?

- ❖ Note that

❖ Therefore we have:

$$\mathcal{O}(n) \times \mathcal{O}(n) = \mathcal{O}(n^2)$$

❖ However, a tighter analysis will give

O(n)

