

Convex Hull

Divide-and-conquer (1)

- Merge

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Merging Subhulls

- ❖ The construction of convex hull can be reduced to the merge of 2 subhulls
- ❖ The partitioning is guaranteed to be even
- ❖ So we need $\mathcal{O}(n \log n)$ time if the merge could be done in $\mathcal{O}(n)$ time

