

Divide-and-conquer (2)

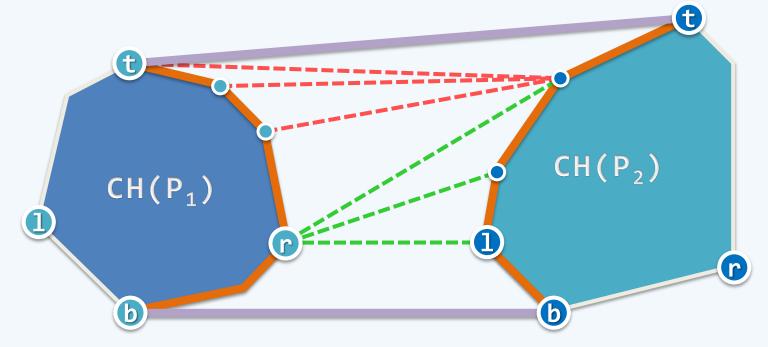
- More Considerations

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Degeneracy

- ❖ How if the input points are not in general position?
- ❖ For example, there could be ...



- 3 collinear points, or
- 2 points lying on a vertical line

Output Sensitivity

❖ Regardless of the output size,

this algorithm always begins with an x-sorting,

which costs $\Omega(n\log n)$ time in the worst case

