

Convex Hull

Incremental Construction

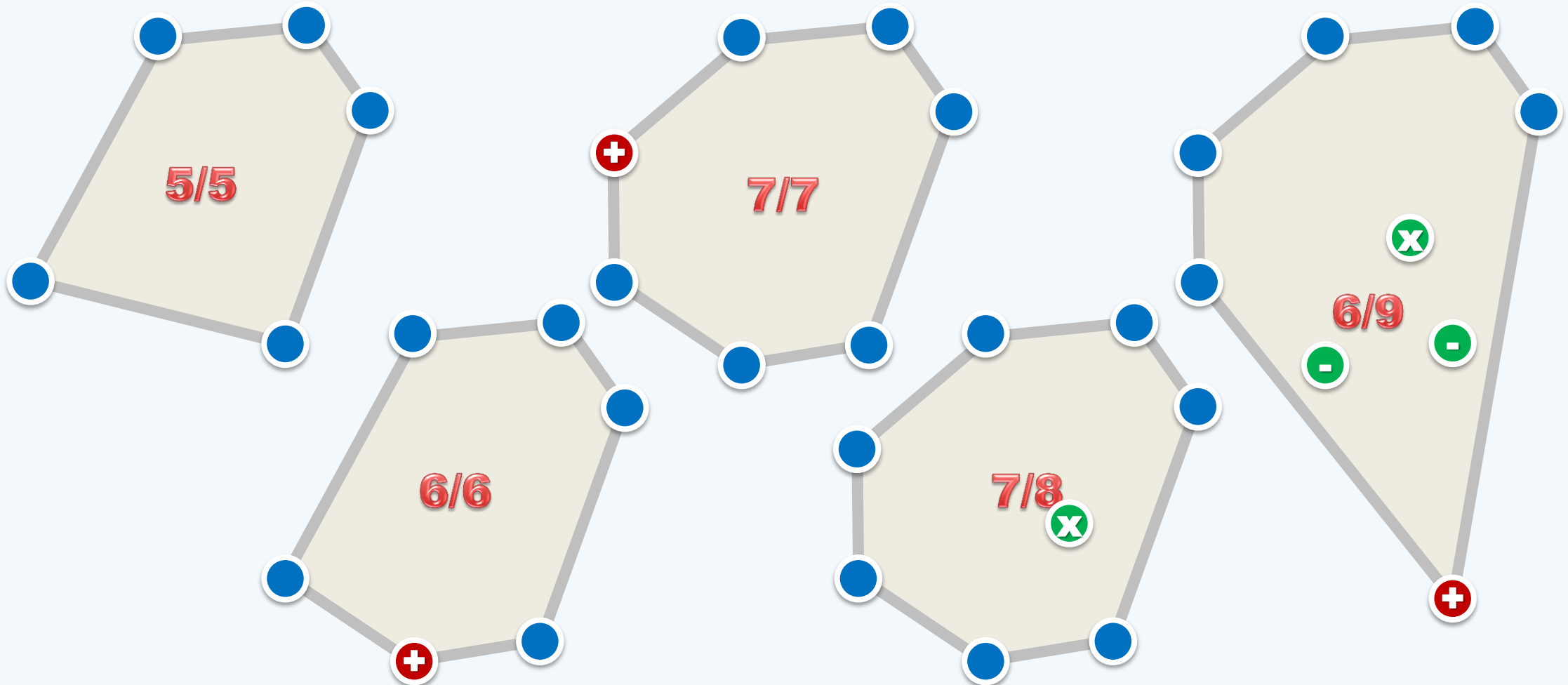
- In-Convex-Polygon Test

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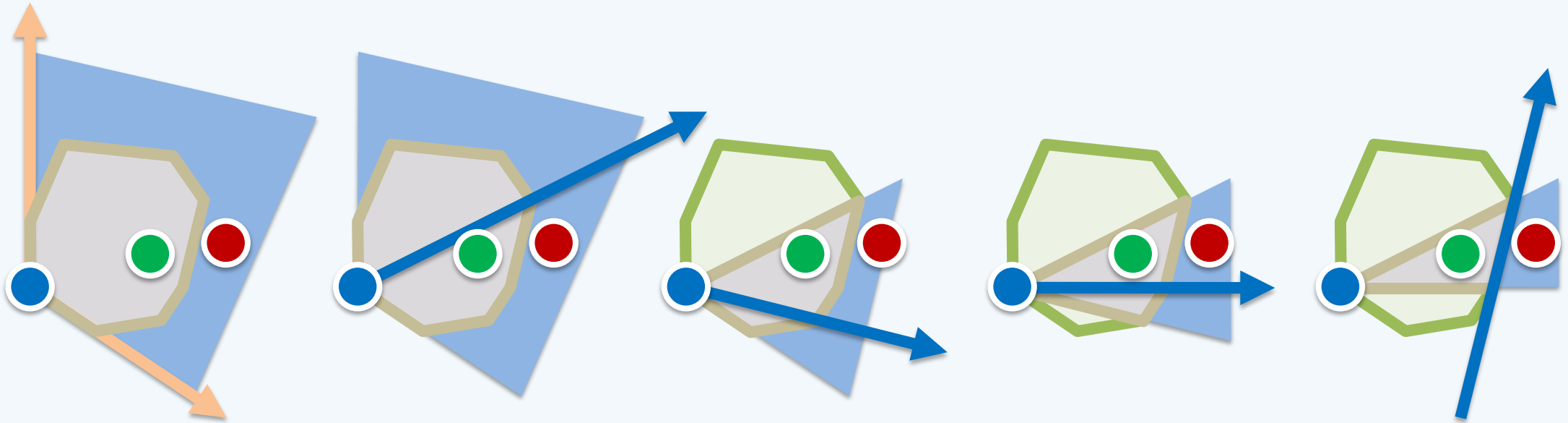
Identification

❖ How to determine whether the next point is extreme (6, 7, 9) or not (8) ?



In-Convex-Polygon Test

- ❖ The new inserted point is extreme iff it lies exterior to the current hull



- ❖ DAC solves ICPT in $O(\log n)$ time, but does NOT help here