

Convex Hull

Incremental Construction

- Pattern Of Turns

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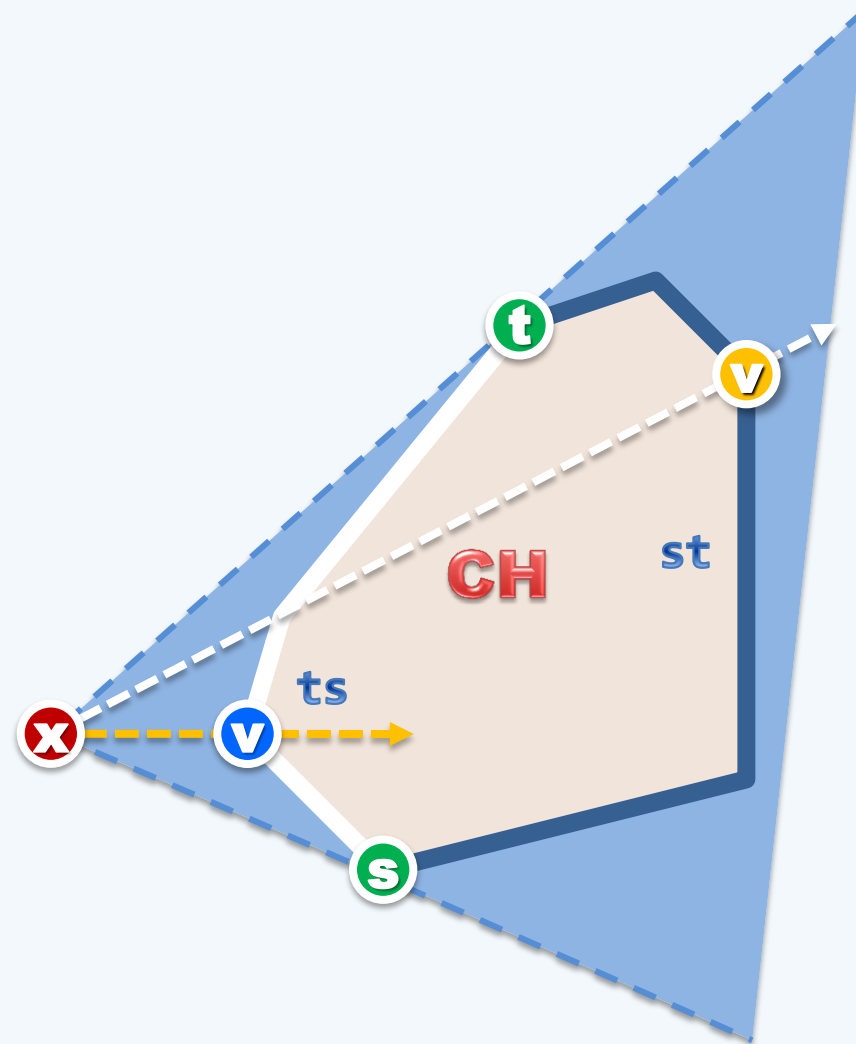
❖ Given x ,

all current EP's can be

classified into 4 types ...

❖ For each v , consider

- ToLeft(x , v , $v.pred()$)
- ToLeft(x , v , $v.succ()$)



❖ The pattern can then be used

- not only to identify the tangents

$\boxed{L+L}$: \boxed{s}

$\boxed{R+R}$: \boxed{t}

- but also to tell between \boxed{st} and \boxed{ts}

$\boxed{R+L}$: vertices on the path \boxed{st}

$\boxed{L+R}$: vertices on the path \boxed{ts}

