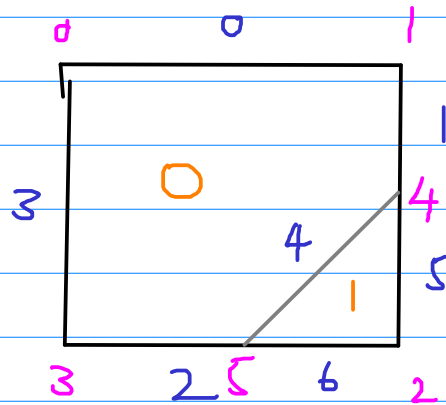
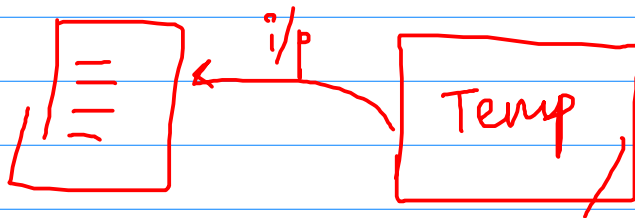


Assignment -3 : builds upon Task 2

Q



id x y



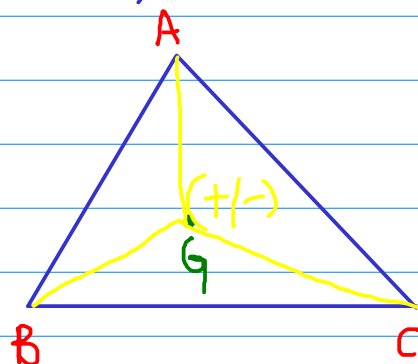
→ Important Point: This point need not be a vertex in the figure (polygon).
(input)

The point will be inside the polygon.

Task 3 What you should do is identify which face this point belongs to.

Implementation
(navi)

parity
match? yes: no



P
(+/-)

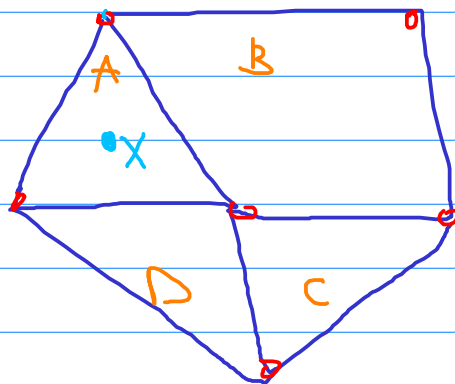
How will you determine if $P \in \triangle ABC$?

"parity"

$$Ax + By + C = 0$$

$$P(x, y)$$

$$h(x, y) = Ax + By + C$$



$P(A)$

$P(B, C, D)$

$$A = [+ , - , - , -]$$

↑ single out! 😊

Start w/ implementing a black box

