Signed anac of a polyer A=== Xiyi-xinyi $(x_{1}, y_{1}) = (x_{n+1}, y_{n+1})$ cksel ferm (X; y) -> Vertex i Polygon:

((x,,y),(x,y),...,(x,,y,))

$$\frac{1}{2}(-8)=-4$$
 $1-41=A$

$$2.2 - 2.4 = -4$$
 $4.4 - 2.4 = 8$
 $4.4 - 4.2 = 8$
 $2.2 - 4.2 = -4$
 $8-3/2(8)=4$

Sign in positive

+ Area -> comtenctekuise - Area -> clockwise

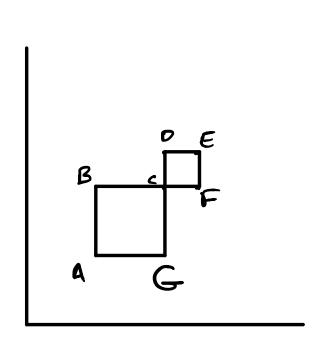
$$2.2 - 2.4 = -4$$
 $4.4 - 4.2 = 8$
 $2.2 - 4.2 = -4$
 $8 - \frac{1}{8} = 4$

Sign in positive

+ Area -> counterckeluise - Area -> clockwise

Ring Ordering

Ring Grole (2.2), (4,2), (4,4), (2.4), (2.2))
((2.2), (2,4), (4,4), (4,4), (22)



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Area Should be 5=(4+1)

Self-intersecting

Ting

Bad

7#5