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Polygons with integer vertices

(Pick's theorem) Let $P \subseteq \mathbb{R}^2$ be a simple polygon with such that $\text{vertices}(P) \subseteq \mathbb{Z}^2$. Then

$$m(P) = \left| \overset{\circ}{P} \cap \mathbb{Z}^2 \right| + \frac{1}{2} \left| \partial P \cap \mathbb{Z}^2 \right| - 1$$

[1]

Current note has 0 direct children and 0 total descendants.

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And it has 39 siblings.

- stem
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1. <https://math.mit.edu/research/highschool/primes/circle/documents/2025/Hannah-Carolena-Final.pdf>
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