Triangulation

Art Gallery Theorem

- Necessity of $\lfloor n/3 \rfloor$

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θ3-B-θ1

$g(n) = \lfloor n/3 \rfloor$

❖ [Art Gallery Theorem, V. Chvatal, 1975]

$\lfloor n/3 \rfloor$ guards are $\boxed{\text{occasionally necessary}}$ and

$\boxed{\text{always sufficient}}$ to cover an $\boxed{n}$-gon