

GENERALIZE: Now let \$ : JA+2 to JA+1

proof of number of triangulations of a convex n-gon

$$t_{n+2} = \sum_{T \in T_{nu}}^{n+1} deg. \text{ of works } 1 \text{ in } T$$

$$(n+1) \cdot t_{n+2} = \sum_{j=1}^{n+1} \sum_{T \in T_{nu}}^{n+1} deg. \text{ of works } i \text{ in } T$$

$$(n+1) \cdot t_{n+2} = \sum_{j=1}^{n+1} \sum_{T \in T_{nu}}^{n+1} deg. \text{ of } i \text{ in } T$$

$$\sum_{i=1}^{n+1} deg. \text{ of } i \text{ in } T$$

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$$\sum_{i=1}^{n$$

Tetrahedron

