where $A_n$ is a strictly increasing sequence of positive numbers satisfying the asymptotic formula $A_{n+1} \sim A_n$.

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*Reference*

1. R. Farhadian, A generalization of Euler's limit, *Amer. Math. Monthly*. **129** (2022) p. 384.

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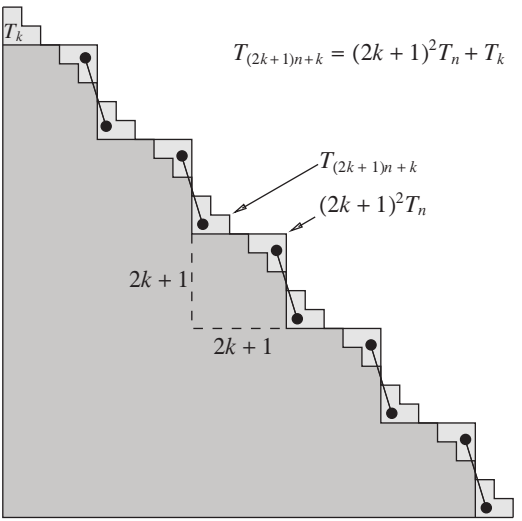
## 108.14 A triangle number identity

The triangle number $T_n = \dfrac{n(n+1)}{2}, n \geqslant 1.$

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