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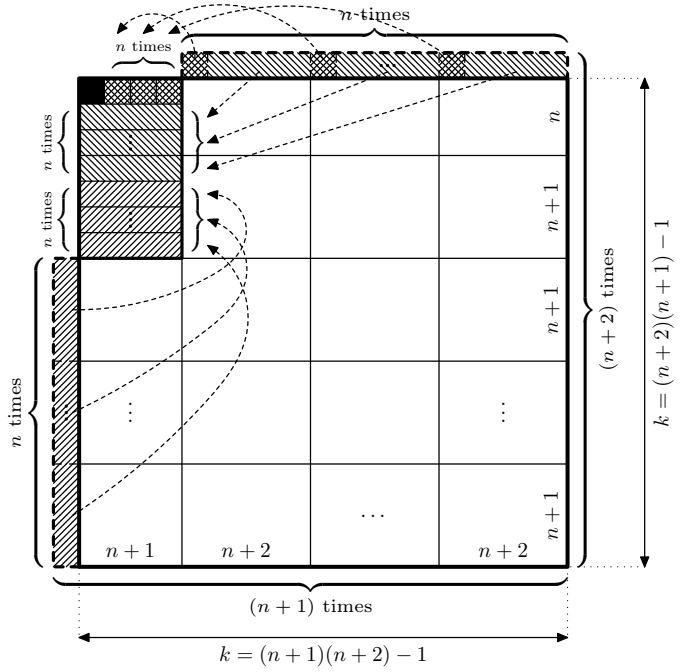
Teaching
Mathematics and
Computer Science

Proof without words

Zoltán Kátai

Let us prove: If we add 1 to the product of four consecutive natural numbers, we get a square number:

$$n(n+1)(n+2)(n+3)+1=k^2, \quad n\in\mathbb{N}^* \text{ and } k\in\mathbb{N}^*$$



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