

Suites arithmétiques

$$S = u_k + u_{k+1} + \cdots + u_n$$

$$= \frac{(n-k+1) \cdot (u_k + u_n)}{2}$$

The diagram shows the formula $\frac{(n-k+1) \cdot (u_k + u_n)}{2}$. Brackets indicate the number of terms $n-k+1$, the first term u_k , and the last term u_n . Arrows point from these labels to the corresponding parts of the formula.

Suites géométriques

$$S = u_k + u_{k+1} + \cdots + u_n$$

$$= v_k \cdot \frac{1 - q^{n-k+1}}{1 - q}$$

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