

If $1+2+3+\dots+n = \frac{n(n+1)}{2}$ for all integers $n \geq 1$ then $P(k)$ is

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Answer (Please select your correct option)

☐ $1+2+3+\dots+k = \frac{k(k+1)}{2}$

☐ $1+2+3+\dots+n = \frac{n(n+1)}{2}$

☐ $1+2+3+\dots+(k+1) = \frac{(k+1)(k+2)}{2}$

correct

☐ $1+2+3+\dots+(k-1) = \frac{k(k-1)}{2}$

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