A function $f(n)$ with the property that

$$\Delta f(n) = g(n)$$

is called the antidifference of the function $g(n)$.

Example. The antidifference of the function $g(n) = n^{\underline{m}}$ is given by

$$f(n) = \frac{1}{m+1} n^{\underline{m+1}}.$$