Z 6

k-ta pozycja

$$(b_n)_{n=0}^{\infty} = (0, \dots, 0, a_0, a_1, \dots)$$

$$B(x) = \sum_{n=0}^{\infty} b_n x^n = a_0 x^k + a_1 x^{k+1} + \dots =$$

$$\sum_{n=0}^{\infty} a_n x^{n+k} = x^k \sum_{n=0}^{\infty} a_n x^n = x^k A(x)$$

$$C(x) = \sum_{n=0}^{\infty} c_n x^n = a_k + a_{k+1} x + a_{k+2} x^2 + \dots =$$

$$\frac{a_k x^k + a_{k+1} x^{k+1} + a_{k+2} x^{k+2} + \dots}{x^k} =$$

$$\frac{(a_k x^k + a_{k+1} x^{k+1} + a_{k+2} x^{k+2} + \dots) - (a_0 x^0 + \dots + a_{k-1} x^{k-1})}{x^k} =$$

$$\frac{A(x) - (a_0 x^0 + \dots + a_{k-1} x^{k-1})}{x^k}$$

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