z-transzformáltak

x_n	$\mathcal{Z}(x_n)$
1	$\dfrac{z}{z-1}$
a^n	$\dfrac{z}{z-a}$
n	$\dfrac{z}{(z-1)^2}$
$n(n-1)\cdots(n-k+1)$	$\dfrac{k!z}{(z-1)^{k+1}}$
$\sin an$	$\dfrac{z\sin a}{z^2-2z\cos a+1}$
$\cos an$	$\dfrac{z^2-z\cos a}{z^2-2z\cos a+1}$
$\operatorname{sh} an$	$\dfrac{z\operatorname{sh} a}{z^2-2z\operatorname{ch} a+1}$
$\operatorname{ch} an$	$\dfrac{z^2-z\operatorname{ch} a}{z^2-2z\operatorname{ch} a+1}$
$\delta_n^{(k)}=\begin{cases}1, & n=k \\ 0, & n\neq k\end{cases}$	$\dfrac{1}{z^k}$
$u_n^{(k)}=\begin{cases}0, & n<k \\ 1, & n\geq k\end{cases}$	$\dfrac{z^{1-k}}{z-1}$
ny_n	$-zY'(z)$
$n(n+1)\cdots(n+k-1)y_n$	$(-1)^k z^k Y^{(k)}(z)$
y_{n+1}	$zY(z)-zy_0$
y_{n+k}	$z^k Y(z)-z^k y_0-z^{k-1}y_1-\cdots-zy_{k-1}$
$a^n y_n$	$Y\left(\dfrac{z}{a}\right)$
$u_n^{(k)}y_{n-k}$	$\dfrac{Y(z)}{z^k}$
$u_n * v_n$	$U(z)V(z)$

(ahol $Y(z)=\mathcal{Z}(y_n)$, $U(z)=\mathcal{Z}(u_n)$ és $V(z)=\mathcal{Z}(v_n)$)