$$\mathbb{Z}\left\{1\right\} = \frac{2}{2-1}$$

$$\frac{\pi}{2}\left\{\left(-1\right)^{2}\right\} = \frac{\pi}{2+1}$$

$$2\{k^2\} = \frac{z^2 + z}{(z-1)^3}$$

$$\frac{1}{2} \left\{ a^{k} \cdot k \right\} = \frac{12}{(2-a)^{2}}$$

$$Z\{a^{k}k^{k}\}=\frac{az^{2}+a^{2}z^{2}}{(z-a)^{3}}$$