1 Unstarred version

$$u_0 + \cfrac{1}{u_1 + \cfrac{1}{u_2 + \cfrac{1}{\cdots + \cfrac{1}{u_n}}}}$$

$$u_0 + \cfrac{1}{\left| u_1 \right.} + \cfrac{1}{\left| u_2 \right.} + \cfrac{1}{\left| \cdots \right.} + \cfrac{1}{\left| u_n \right.}$$

2 Starred version

$$a + \cfrac{b}{c + \cfrac{d}{e + \cfrac{f}{\cdots + \cfrac{y}{z}}}}$$

$$a + \cfrac{b}{\left| c \right.} + \cfrac{d}{\left| e \right.} + \cfrac{f}{\left| \cdots \right.} + \cfrac{y}{\left| z \right.}.$$

3 Operator

$$\operatorname*{\mathcal{K}}_{k=1}^{n} (b_k : c_k) = \cfrac{b_1}{c_1 + \cfrac{b_2}{c_2 + \cfrac{b_3}{\cdots + \cfrac{b_n}{c_n}}}}$$