

Continued fractions:

$$\S \quad \textbf{let } c = 2 + \cdot \textbf{ in } \lfloor c \rfloor, \{c\}, c^{-1}$$

$$\rightarrow \quad 2, 0 + \cdot, 0 + \frac{1}{2 + \cdot}.$$

$$\S \quad \textbf{let } d = 0 + \frac{1}{3 + \cdot} \textbf{ in } \lfloor d \rfloor, \{d\}, d^{-1}$$

$$\rightarrow \quad 0, 0 + \frac{1}{3 + \cdot}, 3 + \cdot.$$

$$\S \quad \textbf{let } e = 2 + \frac{1}{3 + \cdot} \textbf{ in } \lfloor e \rfloor, \{e\}, e^{-1}$$

$$\rightarrow \quad 2, 0 + \frac{1}{3 + \cdot}, 0 + \frac{1}{2 + \frac{1}{3 + \cdot}}.$$

$$\S \quad \textbf{ratio}[3 + \cdot], \textbf{ratio}\left[2 + \frac{1}{3 + \cdot}\right], \textbf{ratio}\left[1 + \frac{1}{2 + \frac{1}{3 + \cdot}}\right]$$

$$\rightarrow \quad 3, \frac{7}{3}, \frac{10}{7}$$