The rendering of equation (6) and equation (8) is done with different brackets than the rendering of the other equations.

$$f(n) = \left(\frac{1}{2}\right)^n \quad > \quad 0 \qquad f(n) \in \mathbb{E} \text{ and } n \to \infty \tag{1}$$

$$f(n) = \left(\frac{2}{1}\right)^n \quad < \quad \infty \qquad f(n) \in \mathbb{E} \text{ and } n \to \infty \tag{2}$$

$$f(n) = \left(\frac{1}{2}\right)^n \quad = \quad 0 \qquad f(n) \in \mathbb{F} \text{ and } n \to \infty \tag{3}$$

$$f(n) = \left(\frac{2}{1}\right)^n \quad = \quad \infty \qquad f(n) \in \mathbb{F} \text{ and } n \to \infty \tag{4}$$

$$f(n) = \left(\frac{1}{a}\right)^n \quad > \quad 0 \qquad f(n) \in \mathbb{E} \text{ and } n \to \infty \text{ and } a > 1 \tag{5}$$

$$f(n) = \left(\frac{a}{1}\right)^n \quad < \quad \infty \qquad f(n) \in \mathbb{E} \text{ and } n \to \infty \text{ and } a > 1 \tag{6}$$

$$f(n) = \left(\frac{1}{a}\right)^n \quad = \quad 0 \qquad f(n) \in \mathbb{F} \text{ and } n \to \infty \text{ and } a > 1 \tag{7}$$

$$f(n) = \left(\frac{a}{1}\right)^n \quad = \quad \infty \qquad f(n) \in \mathbb{F} \text{ and } n \to \infty \text{ and } a > 1 \tag{8}$$