$$\text{Ecce } x^{x+1} = (x+1)^x \Big|_{x>0}$$

$$h(z) = z^{-z} - z - 1$$

$$z_{i+1} = z_i - \frac{h(z_i)}{\frac{dh(z_i)}{dz}}\Big|_{z_0=0.5}$$

$$x = \frac{1}{z_n}$$