

$$\begin{aligned} &\text{Ecce } x^{x+1} = (x+1)^x \Big|_{x>0} \\ &h(z) = z^{-z} - z - 1 \\ &z_{i+1} = z_i - \frac{h(z_i)}{\frac{dh(z_i)}{dz}} \Big|_{z_0=0.5} \\ &x = \frac{1}{z_n} \end{aligned}$$