Proof. Let $\mathbb{N} \ni x > 1$. By Archimedean Property of Natural Numbers and $x \geq 2$, $\exists \text{Nat}$:

$$\begin{aligned} x &= \left(\frac{1}{2}\right)^{1} \\ &= x^{1} = \left(\frac{1}{2}\right) \\ &= \frac{1}{2^{1}} = x = \text{Nat} \end{aligned}$$

$\blacksquare$