

## Rekurzija in negibne točke

$$f: X \rightarrow X$$

$$x = f(x)$$

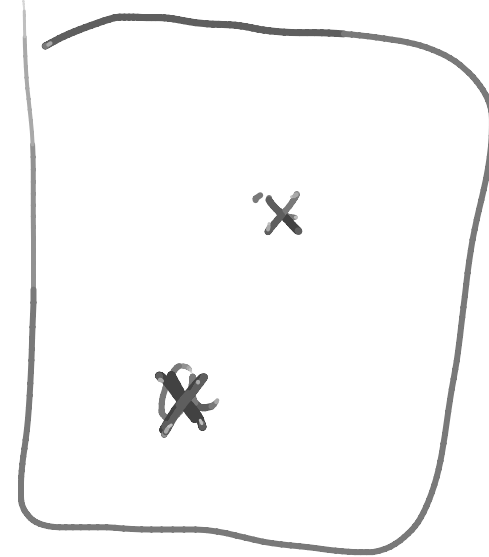
$$l = 1: [2 * x \mid x \in l]$$

$$f \circ l = 1: [2 * x \mid x \in S]$$

$$l = f \circ l$$

$$f = x \mapsto$$

$$a = f a$$



## Rekurzivna funkcija

$$f = \lambda n \rightarrow \underbrace{\text{if } n=0 \text{ then } 1 \text{ else } n \cdot f(n-1)}$$

$$\phi(g) = \lambda n \rightarrow \text{if } n=0 \text{ then } 1 \\ \text{else } n \cdot g(n-1)$$

$$f = \phi(f)$$

$$f: \mathbb{N} \rightarrow \mathbb{N}$$

$$M^{\mathbb{N}}$$

$$\Phi: (\mathbb{N} \rightarrow \mathbb{N}) \rightarrow (\mathbb{N} \rightarrow \mathbb{N})$$

poln metrični  
Baireov