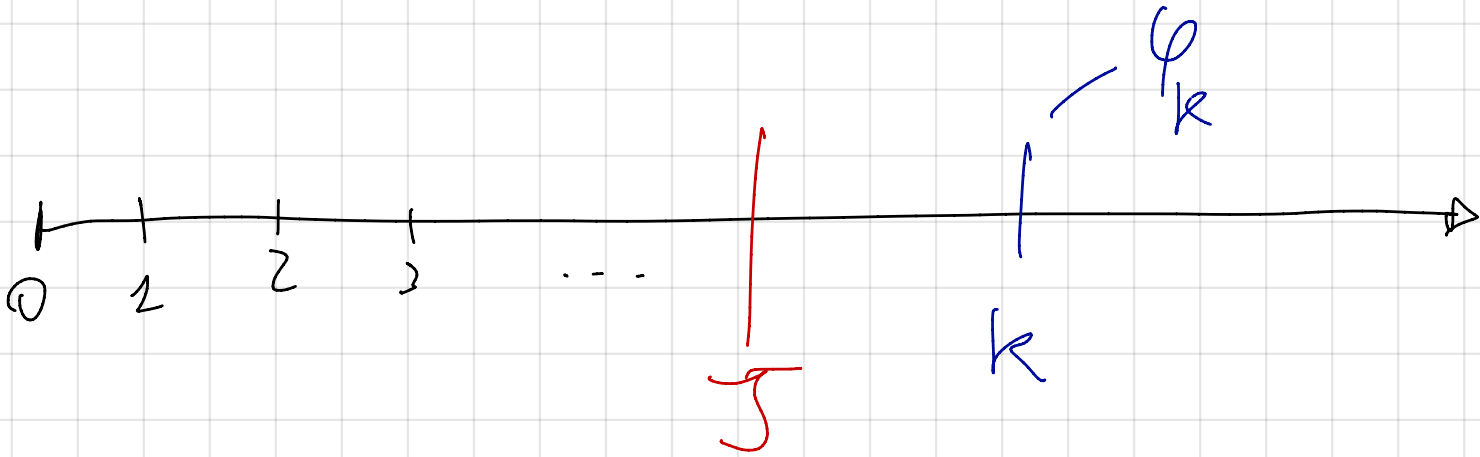


∞ $\xrightarrow{\text{green arrow}}$ "there are infinite i's such that φ "
 $\exists i \in \mathbb{N}. \varphi_i \equiv$

$$\forall j \in \mathbb{N} \exists k \in \mathbb{N}: k > j \wedge \varphi_k$$



$$\neg \exists i \in \mathbb{N}. \varphi_i \equiv \forall i \in \mathbb{N}. \neg \varphi_i$$



"for nearly all i's $\neg \varphi$ "

$$\equiv \exists j \in \mathbb{N} : \forall k \in \mathbb{N}. k > j \Rightarrow \neg \varphi_k$$

