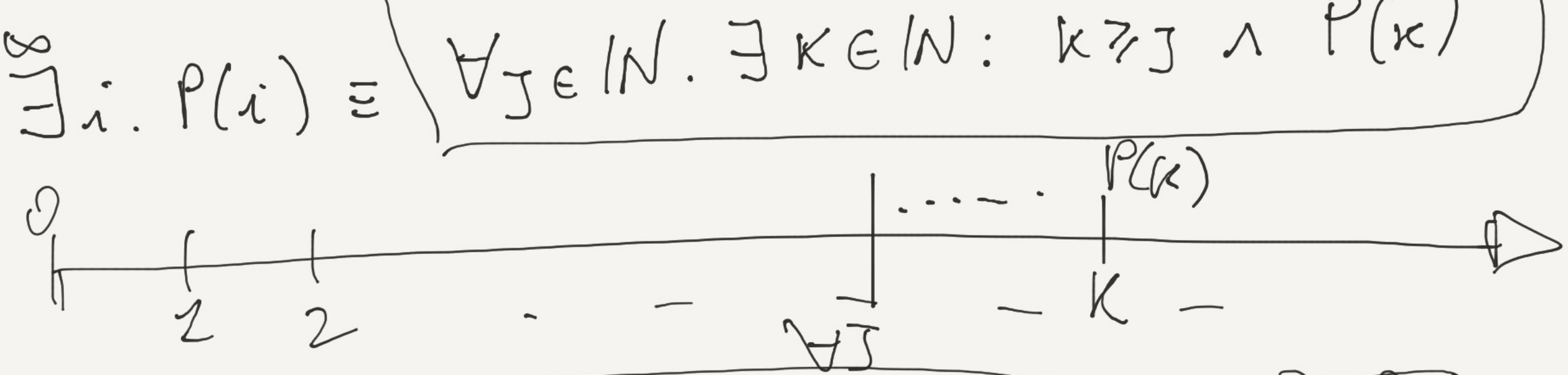
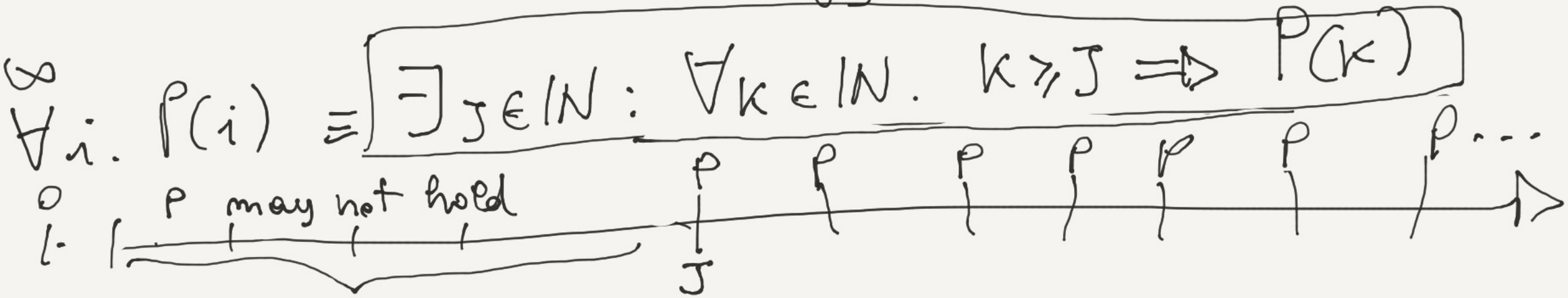
RSV 15|11|17

$\overset{\infty}{\exists} i . P(i)$ "there exists infinitely many $i$ such that $P(i)$ holds"

$\overset{\infty}{\forall} i . P(i)$ "for NEARLY all $i$, $P(i)$ holds"

$$\overset{\infty}{\exists} i . P(i) \equiv \forall_{J \in \mathbb{N}} . \exists K \in \mathbb{N} : K \geq J \wedge P(K)$$




$$\overset{\infty}{\forall} i . P(i) \equiv \exists_{J \in \mathbb{N}} : \forall K \in \mathbb{N} . \; K \geq J \Rightarrow P(K)$$