

p-mu-decider^{11,40}

$\forall A:\text{Type}, P:(A \rightarrow \mathbb{N} \rightarrow \mathbb{B}). (\forall x:A. \text{Dec}(\exists n:\mathbb{N}. (\uparrow(P(x,n)))))) \Rightarrow (\forall x:A. \exists y:\mathbb{N} + \text{Top}. \text{p-mu}(P(x);y))$

ProofTree