

dep_ax_choice^{12,41}

$\forall A:\text{Type}, B:(A \rightarrow \text{Type}), Q:(x:A \rightarrow B(x) \rightarrow \text{Type}).$
 $(\forall x:A. \exists y:B(x). Q(x,y)) \Rightarrow (\exists f:x:A \rightarrow B(x). (\forall x:A. Q(x,f(x))))$

ProofTree