

$$\begin{array}{c}
= [T] \\
\hline
take1 : \mathbb{P}_1 T \rightarrow T \times \mathbb{P} T \\
\hline
\forall ts : \mathbb{P}_1 T \bullet \exists t : ts \bullet take1(ts) = (t, ts \setminus \{t\})
\end{array}$$