

member-ite^{0,22}

$\forall b:\mathbb{B}, T:\text{Type}, A, B:T \text{ List}, x:T. (x \in \text{if } b \rightarrow A \text{ else } B \text{ fi}) \Leftrightarrow b \ \& \ (x \in A) \vee \neg b \ \& \ (x \in B)$