

Inference at * 2 1
of proof for Lemma member-zip:

1. A : Type
 2. B : Type
 3. A List
 4. u : A
 5. v : A List
 6. $\forall ys:(B \text{ List}), x:A, y:B. (\langle x, y \rangle \in \text{zip}(v;ys)) \Rightarrow \{(x \in v) \ \& \ (y \in ys)\}$
 7. B List
- $\vdash \forall x:A, y:B. (\langle x, y \rangle \in \text{zip}([u / v];[])) \Rightarrow \{(x \in [u / v]) \ \& \ (y \in [])\}$
by Reduce 0 THEN Auto THEN ObviousFrom [(-1)]