

Inference at * 1
of proof for Lemma zip_wf:

....subterm.... T:t2:n

1. T_1 : Type
 2. T_2 : Type
 3. T_1 List
 4. u : T_1
 5. v : T_1 List
 6. $\forall bs:(T_2 \text{ List}). \text{zip}(v;bs) \in ((:T_1 \times T_2) \text{ List})$
 7. T_2 List
 8. T_2
 9. v_1 : T_2 List
 10. $\text{rec-case}(v_1)$ of $\square \Rightarrow \square \mid b::bs' \Rightarrow .[\langle u, b \rangle / \text{zip}(v;bs')] \in ((:T_1 \times T_2) \text{ List})$
- $\vdash \text{zip}(v;v_1) \in ((:T_1 \times T_2) \text{ List})$
by InteriorProof Obvious