

Inference at * 1
of proof for Lemma outl_wf:

1. $A : \text{Type}$
2. $B : \text{Type}$
3. $x : A + B$
4. $\uparrow \text{isl}(x)$
 $\vdash \text{outl}(x) \in A$
by ((D 3)
CollapseTHENM (Reduce (-1)))·

1:

3. $x_1 : A$
4. True
 $\vdash \text{outl}(\text{inl } x_1) \in A$

2:

3. $y : B$
4. False
 $\vdash \text{outl}(\text{inr } y) \in A$

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