Inference at $*$ 1
of proof for Lemma eq_int_eq_true_elim_sqequal:

1. $i : \mathbb{Z}$
2. $j : \mathbb{Z}$
$\vdash ((i =_0 j) \sim \text{tt}) \Rightarrow (i = j)$
by D 0

1:

3. $(i =_0 j) \sim \text{tt}$
$\vdash i = j$

2: .....wf..... NILNIL

$\vdash ((i =_0 j) \sim \text{tt}) \in \text{Type}$

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