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

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

1:

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

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

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

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_86262_{eq_int_eq_false_elim_sqequal}1.html