Inference at $*$ 1 0 4 1 2
of proof for Lemma eq_int_cases_test:

1. A : Type
2. x : A
3. y : A
4. P : $A \rightarrow \mathbb{P}$
5. i : $\mathbb{Z}$
6. j : $\mathbb{Z}$
7. P(if $(i =_0 j)$ then x else y fi)
8. $\mathbb{B} \in$ Type
9. $(i =_0 j) \in \mathbb{B}$
10. $\forall bb{:}\mathbb{B}.\ ((i =_0 j) = bb) \in$ Type

$\vdash (i =_0 j) = (i =_0 j)$
by (SoftNthHyp (-2))

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_87873_{eq_int_cases_test}1_0_4_1_2.html