Inference at $*$ 1 1
 of proof for Lemma inconsistent-bool-eq2:

1. (inr $\cdot$) = (inl $\cdot$)
2. case inr $\cdot$ of inl(x) => 0 | inr(x) => 1 = case inl $\cdot$ of inl(x) => 0 | inr(x) => 1
$\vdash$ False
  by Reduce (-1)

  1:

    2. 1 = 0
    $\vdash$ False
  .