Inference at $*$ 1 2 1
 of proof for Lemma eq_int_eq_true_elim_sqequal:

. . . . .subterm. T:t1:n

1. $i : \mathbb{Z}$
2. $j : \mathbb{Z}$
$\vdash (i =_0 j) \sim (i =_0 j)$
   by (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 4:n)) (first_tok :t) inil_term)

   .