

Inference at * 1 0
of proof for Lemma lt_int_eq_false_elim:

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1. i : ℤ
2. j : ℤ
3. i <_ℤ j = ff
⊢ ¬(i < j)
  by PERMUTE{1:n, 2:n, 3:n, 1:n, 4:n, 2:n, 5:n, 6:n, 7:n, 8:n, 9:n, 7:n, 6:n, 10:n}

1: .....wf..... NILNIL

    ⊢ (i <_ℤ j = ff) ∈ ℙ1
2: .....wf..... NILNIL

    ⊢ (↑j ≤_ℤ i) ∈ ℙ1
3: .....wf..... NILNIL

    ⊢ (j ≤ i) ∈ ℙ1
4: .....wf..... NILNIL

    ⊢ (↑(¬bi <_ℤ j)) ∈ ℙ1
5: .....wf..... NILNIL

    ⊢ i <_ℤ j ∈ ℬ
6: .....wf..... NILNIL

    ⊢ i ∈ ℤ
7: .....wf..... NILNIL

    ⊢ j ∈ ℤ
8: .....antecedent..... NILNIL

    ⊢ True
9: .....wf..... NILNIL

    4. (↑(¬bi <_ℤ j)) = (↑j ≤_ℤ i)
    ⊢ ℙ1 = ℙ1
10:

    3. j ≤ i
    ⊢ ¬(i < j)
.

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_86595_{lt_int_eq_false_elim}1.0.html