

Inference at * 2 1 1
of proof for Lemma dec_iff_ex_bvfun:

```
1. T : Type
2. E : T → T → ℙ
3. f : T → T → ℙ
4. ∀ x, y : T. (↑(f(x,y))) ⇔ (E(x,y))
5. x : T
6. y : T
⊢ Dec(↑(f(x,y)))
  by (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)

.
```