

Inference at \* 1  
of proof for Lemma add\_mono\_wrt\_eq:

```
1. a : ℤ
2. b : ℤ
3. n : ℤ
4. a = b
⊢ a+n = b+n
  by (Auto_aux (first_nat 1:n) ((first_nat 2:n),(first_nat 3:n)) (first_tok :t) inil_term)
.
```