

Inference at * 2 1

of proof for Lemma can-apply-fun-exp-add-iff:

```
1. A : Type
2. n : ℕ
3. m : ℕ
4. f : A → (A + Top)
5. x : A
6. (↑can-apply(f^m;x)) & (↑can-apply(f^n;do-apply(f^m;x)))
⊢ ↑can-apply(f^n o f^m ;x)
  by ((Unfold 'can-apply' ( 0)·)
    CollapseTHEN (((RepUR "p-compose" ( 0)·)

      CollapseTHEN ((((((if (0) =0 then SplitOnConclITE else SplitOnHypITE (0))·)

        CollapseTHEN (Auto·))·)
        CollapseTHEN (((Try (Fold 'can-apply' 0))·)
        CollapseTHEN (
          Auto·))·))·))·))·

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