```
rel_plus_trans  THM

⊢  ∀T:Type, R:(T→T→Prop). Trans x,y:T. x R^+ y
| by Unfold `trans` 0 THEN All (Unfold `rel_plus`) THEN All Reduce
|    THEN
|    ExRepD
|    THEN
|    InstConcl [n1+n]
|
1. T : Type
2. R : T→T→Prop
3. a : T
4. b : T
5. c : T
6. n1 : ℕ+
7. a R^n1 b
8. n : ℕ+
9. b R^n c
⊢  a R^n1+n c
  by Using [`y',b]
     (BackThru
      Thm* ∀R:(T→T→Prop), m,n:ℕ, x,y,z:T.
           (x R^m y) ⇒ (y R^n z) ⇒ (x R^m+n z)
      {rel_exp_add})
END
```