

```

┆ ∀[T:Type]. ∀[P:T → ℙ]. ∀[C:ℙ]. (((∀x:T. (P x)) ∧ C) ⇒ (∀x:T. ((P x) ∧ C)))
|
BY RepeatFor 3 ((UD THENA Auto))
|
[1]. T: Type
[2]. P: T → ℙ
[3]. C: ℙ
┆ ((∀x:T. (P x)) ∧ C) ⇒ (∀x:T. ((P x) ∧ C))
|
BY (D 0 THENA Auto)
|
4. (∀x:T. (P x)) ∧ C
┆ ∀x:T. ((P x) ∧ C)
|
BY D 4
|
4. ∀x:T. (P x)
5. C
┆ ∀x:T. ((P x) ∧ C)
|
BY (D 0 THENA Auto)
|
6. x: T
┆ (P x) ∧ C
|
BY D 0
| \
| ┆ P x
| |
1 BY (SimpleInstHyp 「x」 4. THENA Auto)
| |
| 7. P x
| ┆ P x
| |
1 BY NthHyp 7
| \
| ┆ C
|
BY NthHyp 5

```

Extract:

```

λf.let g,c = f in
  λx.<g x, c>

where f : (∀x:T. (P x)) ∧ C
      g : ∀x:T. (P x)
      c : C

```