

```

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

```

Extract:

```

λf,x,c. (f c x)
  where f : (C ⇒ (∀x:T. (P x)))
        c : C

```