

Inference at *
of proof for Lemma spread_to_pi12:

```
⊢∀A:Type, B:(A→Type), p:(x:A × B(x)), C:Type, b:(x:A→B(x)→C).  
  let x,y = p in b(x,y) = b(p.1,p.2)  
  by ((UnivCD)  
    CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n  
    )) (first_tok :t) inil_term)))
```

1:

1. $A : \text{Type}$
 2. $B : A \rightarrow \text{Type}$
 3. $p : x:A \times B(x)$
 4. $C : \text{Type}$
 5. $b : x:A \rightarrow B(x) \rightarrow C$
- ⊢ let $x,y = p$ in $b(x,y) = b(p.1,p.2)$
- .