Inference at $*$
of proof for Lemma spread_to_pi12:

$\vdash \forall A$:Type, B:($A \to$Type), p:(x:$A \times B(x)$), C:Type, b:(x:$A \to B(x) \to C$).
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 : Type
2. B : $A \to$Type
3. p : x:$A \times B(x)$
4. C : Type
5. b : x:$A \to B(x) \to C$

$\vdash$ let x,$y = p$ in $b(x,y) = b(p.1,p.2)$

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_97583_{spread_to_pi12}.html