

$(A, B \rightarrow C), (A \rightarrow B), A \rightarrow C$

let my proof :  $(A \rightarrow B \rightarrow C) \rightarrow (A \rightarrow B) \rightarrow (A \rightarrow C)$

$=$   $p : (A \rightarrow B \rightarrow C) \mapsto$   
 $e : (A \rightarrow B) \mapsto$   
 $a : A \mapsto$   
 let  $b : A$   
 $= a \triangleright e$   
 $a, b \triangleright p$

let my\_lemma :  $P_1 =$

$x : A, y : B \mapsto$   
 let  $z = x^2$   
 $f \diamond$   
 $x : A, y : B, z : C \mapsto$   
 let other\_lemma :  $P_2 =$   
 let  $w = g f$   
 $h w y z$   
 $w \diamond$   
 other\_lemma  
 my\_lemma  $x y$   
 $f(x)$   
 $y \leq z$

$\mapsto \rightarrow \triangleright :$

multi-  
line-  
expression

let  $x =$   
value (in)

function  
arg,  
arg<sub>2</sub>  
arg<sub>3</sub>

record term  
or type, or  
pattern matching

$\diamond$  in  
 $\diamond$  active  
hole/goal

let  $(x:A) =$   $x : A \mapsto$

let  $(x:A) =$

let  $h = f(\lambda x y. y \cdot x)$

let  $h =$   
 $f$   
 $x, y \mapsto$   
 $y \cdot x$   
 $\diamond$

let  $h = f a b$   
 let  $h =$   
 $f$   
 $a$   
 $b$   
 $\diamond$

let  $PDG : Type =$   
 $N : Type$   
 $E : Type$   
 $V : N \rightarrow Type$   
 $src : E \rightarrow N$   
 $tr : E \rightarrow N$   
 $P : (e : E) \rightarrow (c : src e V) \rightarrow \Delta (e \triangleright tr e V)$   
 $\diamond$