



```
(* un petit exercice très court ! *)

flag auto_lvl 1.

def injective f =  $\forall x, y \ (f\ x = f\ y \rightarrow x = y)$ .

prop exol
   $\forall h, g \ (injective\ h \wedge injective\ g \wedge \forall x \ (h\ x = x \vee g\ x = x) \rightarrow \forall x \ (h\ (g\ x)) = (g\ (h\ x)))$ .
intro 3.
intro.
lefts H.
apply H0 with x.
left G.
elim H0 with h x.
apply H with H3.
intro.
intro.

-----XEmacs: exo1.phx      [(PhoX script Out1 Font Script
```

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New goal is:
goal 1/1
H0 :=  $\forall x0 \ (h\ x0 = x0 \vee g\ x0 = x0)$ 
H  := injective h
H1 := injective g
     $\mid - h\ (g\ x) = g\ (h\ x)$ 
```

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--*-XEmacs: *phox-response*      [(PhoX response Font)]
Find file: ~/af2-all/phox/lib/
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