

# Correction Premier

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# premier

```
let premier n =  
  let rec aux k =  
    (k = n) || (not (n mod k = 0) && aux (k+1))  
  in  
  if n < 2 then false else aux 2
```

```
val premier : int -> bool = <fun>
```

# npremier

```
let n_premier n =  
  let rec aux k cur =  
    if not (premier cur) then aux k (cur+1)  
    else if k = n then cur  
    else aux (k+1) (cur+1)  
  in  
  aux 1 2
```

```
val n_premier : int -> int = <fun>
```