

Algorithm W

```
#let rec fac n = if n = 0 then 1 else n *(fac(n=1));;  
Toplevel input:  
>let rec fac n = if n = 0 then 1 else n *(fac(n=1));;  
>          ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^  
This expression has type int -> int,  
but is used with type bool -> int.
```

Algorithm M

```
#let rec fac n = if n = 0 then 1 else n *(fac(n=1));;  
Toplevel input  
>let rec fac n = if n = 0 then 1 else n *(fac(n=1));;  
>          ^  
Expression of type 'a -> 'a -> bool  
cannot be used with type 'a -> 'a -> int
```