

GHC Error

```
fac n = if n == 0 then 1 else n * (fac (n = 1))
```

- No instance for (Num Bool) arising from the literal '0'
- In the second argument of '(=)', namely '0'
In the expression: n = 0
In the expression:
if n = 0 then 1 else n * (fac (n = 1))

Helium Error

```
fac n = if n == 0 then 1 else n * (fac (n = 1))
```

```
(1,42): Type error in application
expression      : fac (n = 1)
function        : fac
type            : Int → Int
1st argument    : n = 1
type            : Bool
does not match  : Int
```

Goanna Error

```
fac n = if n == 0 then 1 else n * (fac (n = 1))
```

Int→Int→Int