

# Isomorphism is not enough!

Suppose we want to compare two values whose type has instance **Ord** for equality. We search

1 **Ord** a  $\Rightarrow$  a  $\rightarrow$  a  $\rightarrow$  **Bool**

We'd like to find

1  $(==) ::$  **Eq** a  $\Rightarrow$  a  $\rightarrow$  a  $\rightarrow$  **Bool**

Its type is strictly *more* general than what we asked for.