$$f:: Maybe \alpha \rightarrow Either () \alpha$$

$$f Nothing = Left ()$$

$$f (Just x) = Right x$$

and

3

0

g:: E:ther ()
$$\alpha \Rightarrow$$
 Maybe α
g (Left x) = Nothing
g (Right x) = Just x

then clearly gof=id and fog=id so we are done o

(bool, a)

Recall that at a = E: there are and a = ELet then

f:: Either a a -> (bool, a)
$$f(\text{Left } x) = (\text{True, } x)$$

$$f(\text{Right } x) = (\text{False,} x)$$

and

$$g: (bool, \alpha) \Rightarrow E: there a a$$

$$g(True, x) = Left x$$

$$g(False, x) = Right x$$

$$again, gof = id, fog = id.$$