379√ Suppose we define *nat* by ordinary construction and induction.

$0, nat{+}1 : nat$

$0, B{+}1 : B \Rightarrow nat : B$

Prove that fixed-point construction and induction

$nat = 0, nat{+}1$

$B = 0, B{+}1 \Rightarrow nat : B$

are theorems.

See textbook page 97.