375　　Here are a construction axiom and an induction axiom for bunch *bad* .

　　　　($§n$: *nat·* ¬ *n*: *bad*) : *bad*
　　　　($§n$: *nat·* ¬ *n*: *B*) : *B* $\implies$ *bad*: *B*

(a)√　Are these axioms consistent?

(b)　　From these axioms, can we prove the fixed-point equation

　　　　bad $=$ $§n$: *nat·* ¬ *n*: *bad*

After trying the question, scroll down to the solution.

§(a)   See textbook page 100

§(b)   Yes, we can prove anything from them.