Induction Problem 3

Fill in the following blanks to give a proof by induction for the following claim. You may want to check in with a TA/LA/instructor about your answer to each piece before moving on to the next one.

Claim: All rooted binary trees have one more leaf than internal nodes with exactly two children.
Proof:
Universal declaration:
Inductive hypothesis:
There are two cases:
Base case:
Inductive case:
Wrap-up statement: