

# State a Theorem

**Theorem:** An AVL tree of height  $h$  has at least \_\_\_\_\_.

## **Proof by Induction:**

- I. Consider an AVL tree and let  $h$  denote its height.
- II. Base Case: \_\_\_\_\_

An AVL tree of height \_\_\_\_\_ has at least \_\_\_\_\_ nodes.