

# Induction, Episode V: The Recursion Fairy Strikes Back

## Part a: Meet The Recursion Fairy

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Source: clipart-library.com

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$$\left[ \left[ \bigwedge_{n=n_0}^{n_1} S(n) \right] \wedge \left[ \forall k > n_1 \left[ \bigwedge_{n=n_0}^{k-1} S(n) \rightarrow S(k) \right] \right] \right] \rightarrow \forall n \geq n_0 S(n).$$

# Recap: Learning Objectives

By the end of this lesson, you will be able to:

- Explain the recursion fairy analogy of induction.