

4.1 Induction

[27J]

Proposition 4.4 (Induction Principle). [1XC]

The verification of $P(0)$ is called the "basis of induction", while the verification of $\forall n \in \mathbb{N}, P(n) \Rightarrow P(S(n))$ it is called "inductive step" (in which $P(n)$ is taken as a hypothesis, and is called "inductive hypothesis").

Exercises

E4.5 [1XF]

E4.6 [1XG]