### Direct Proof

B.ven directly. Mathematically expressed, direct proofs have the form B A B A B A A → BB →, where A A is In the case of direct proof, we start with certain preconditions or prerequisites and gradually derive the assertion from them. We show the correctness of the statement to be pro-

the prerequisite and is the statement to be proved. The implication arrow means that follows from . This is pronounced “ implies ” or “from follows ” or “if , then

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