#### Example: Conjunction

Let D :=A := “7 is an even number,” B := “3 is greater than 4,” A B C := “7 is an odd number,” andC D

“4 is greater than 3.” Then statements and are false and statements and are Thus A ∧ BA ∧ C is obviously wrong because both statements C DA and B are wrong. A true.

C ∧ D is true, however, because both statements and are true. Likewise, is wrong, because at least one of the two statements, namely , is wrong.