### Definition: Disjunction

Let A ∨ BA ∨ BAB and B be statements. The disjunction (also called or-operator or or-connective) of A ∨ B A OR B A B A

and is written as or . This is read “ or .”

is true if at least one of the two statements is true. Only if both statements are false is also false. Let D :=A := “7 is an even number,” B := “3 is greater than 4,” A B C := “7 is an odd number,” andC D