### Rule: Order of Logical Operators

To save brackets in propositional logical formulas, we agree on the following binding ¬ before ∧ before ∨ before ⇒¬ before ⇔ ⇔ strength for logical operators:

Thus the negation operator has the highest binding strength, the equivalence the lowest.

#### Examples: Order of logical operators

∧ B ∨ C(((A ∨ B) ⇒ (C ∧ DC ∧ D) ≡ A ∨ B ⇒ C ∧ D(¬(¬A¬A) ∧ B) ∨ C) ∨ B is logically equivalent to ) (¬A) ∧ B) ∨ C ≡ ¬A

is logically equivalent to

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is logically equivalent to

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