1806ICT Programming Fundamentals

Boolean Expressions: Truth Tables and De Morgan's Laws

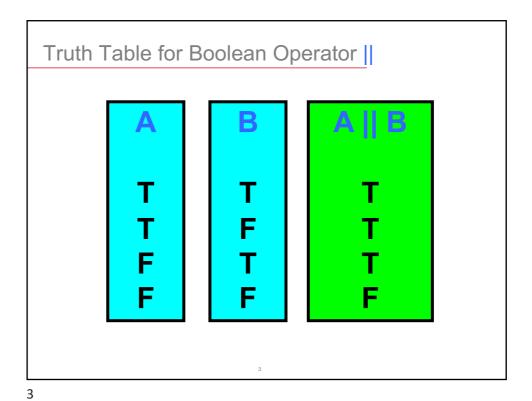
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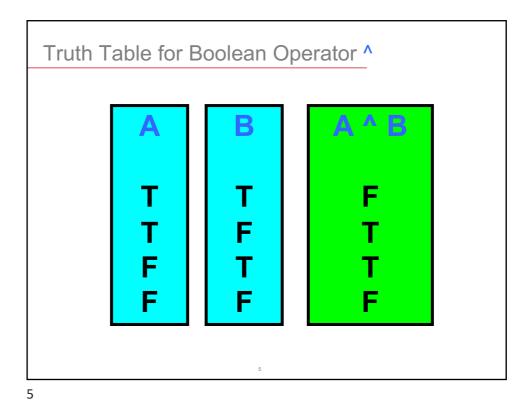
Truth Tables

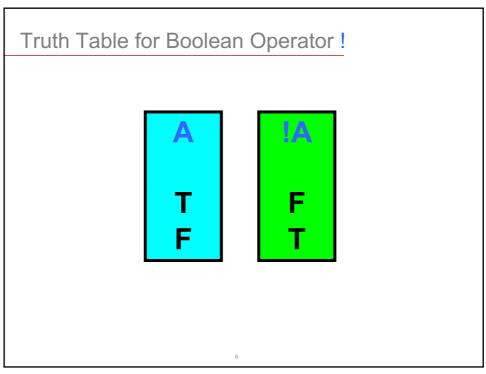
In the following slides, the letters A, B and C represent any C boolean expression. For example, A, B or C could represent any of the following (given integers x and y):

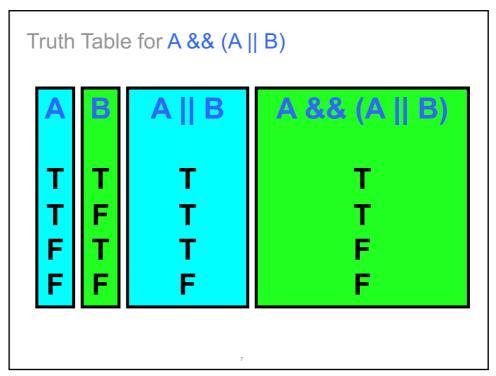
x == y x >= y y != x A T T F F

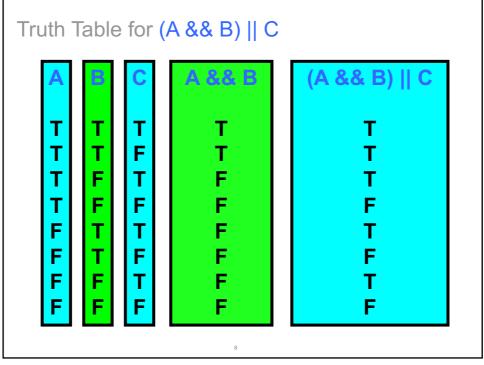
T F T F

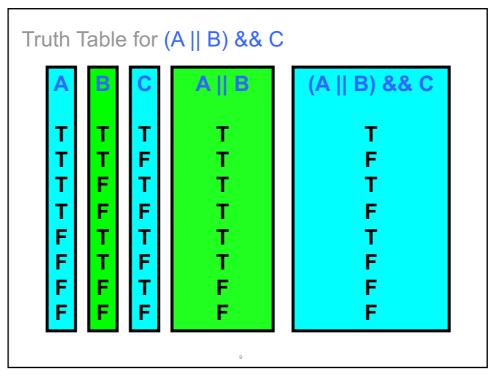












Truth Table Fact

The truth tables of *equivalent*Boolean expressions are identical.

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