

# Computer Architecture

## Tutorial 1 – Boolean Algebra

- 1) Write the Truth Table for the following Boolean expression:  $R = A \cdot B + C'$
- 2) Simply the following Boolean Expressions to its simplest form
  - a)  $R = A + A' \cdot B$
  - b)  $R = A \cdot (A' + B)$
  - c)  $R = (A + C) \cdot (A \cdot D + A \cdot D') + A \cdot C + C$

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