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• *Distributive properties:* Unions distribute over intersections; intersections distribute over unions.

$$A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$$

 $A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$

De Morgan's laws

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$$(A \cup B)^{c} = A^{c} \cap B^{c}$$

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