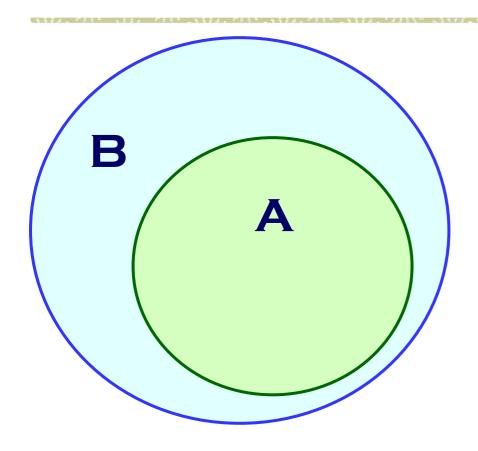
Venn Diagrams



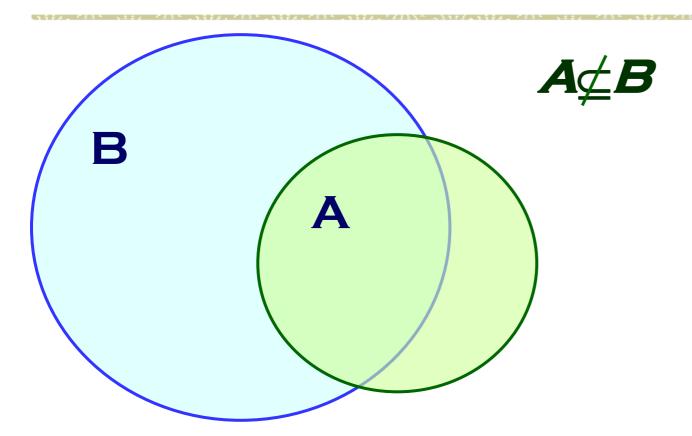
liuduo@bjtu.edu.cn

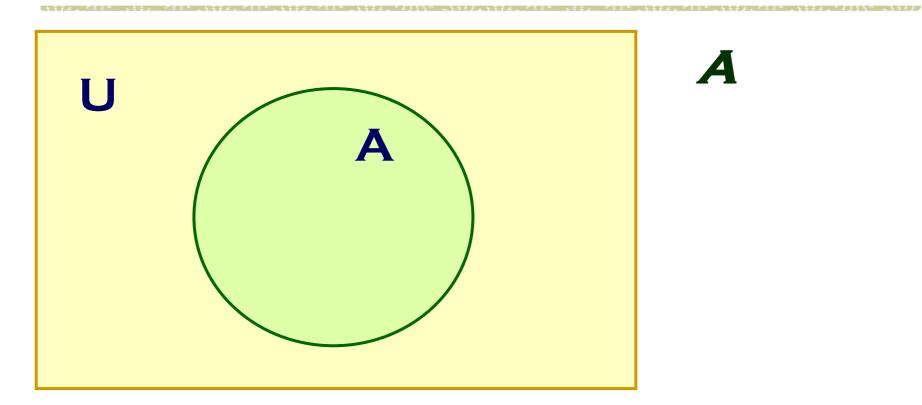
□英国逻辑学家维恩(J.Venn)于 1881年在《符号逻辑》一书中、首 先使用相交区域的图解来说明类与 类之间的关系。后来人们以他的名 字来命名这种用图形来表示集合间 关系和集合运算的方法, 称作维恩 图(Venn diagrams)或文氏图。

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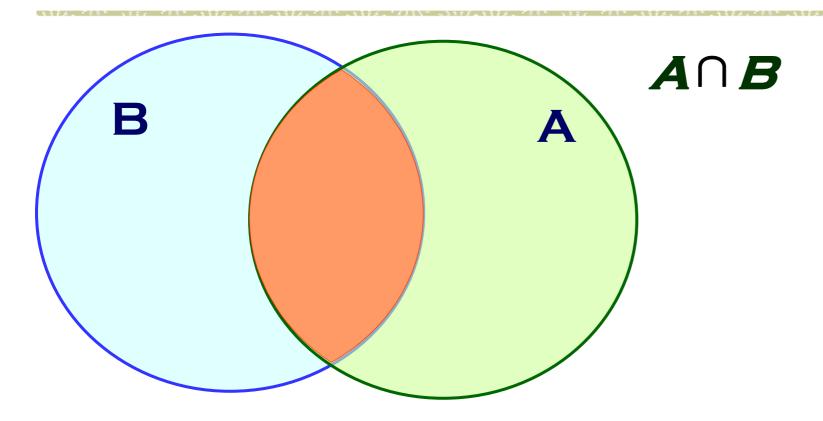


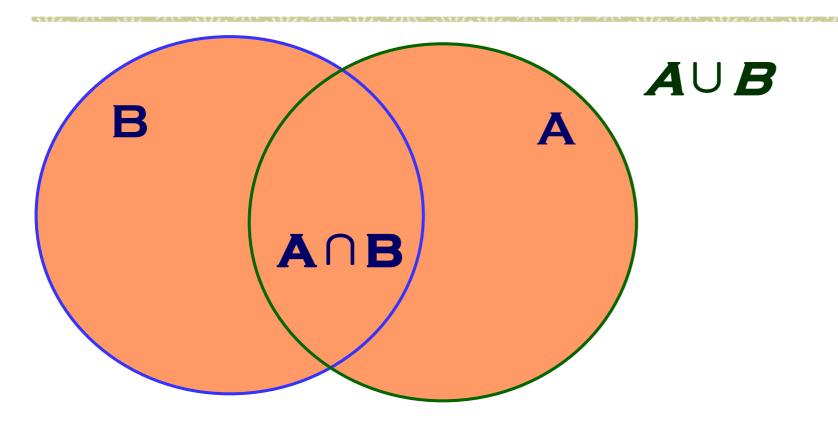


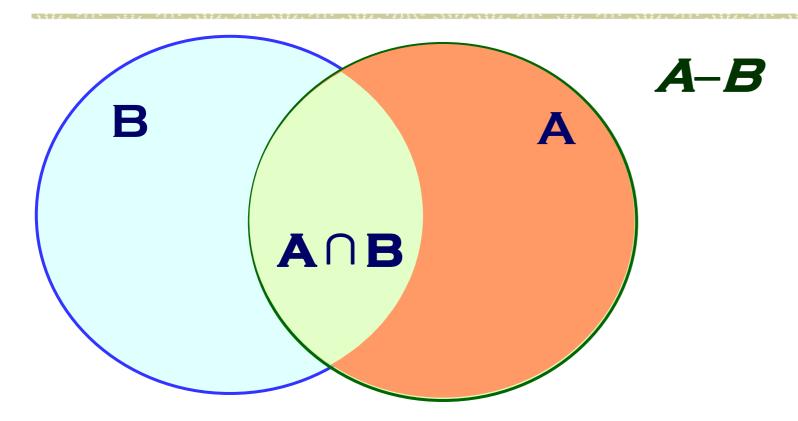


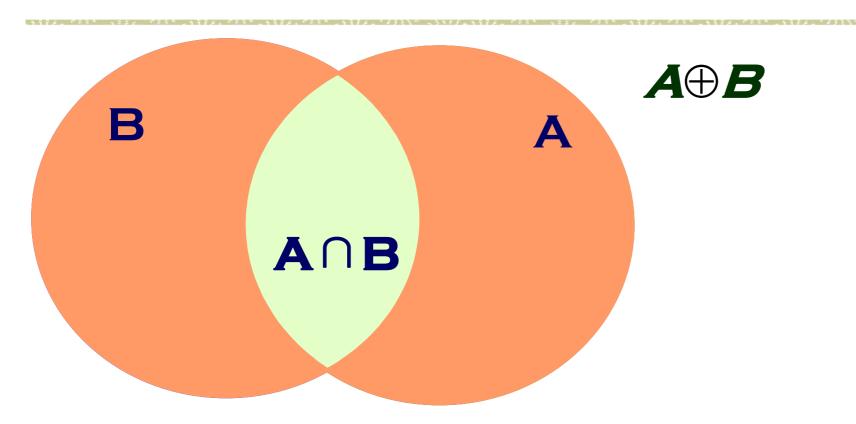


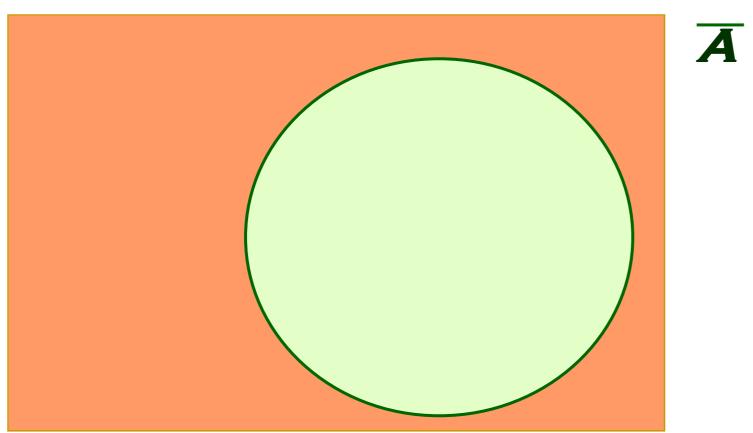








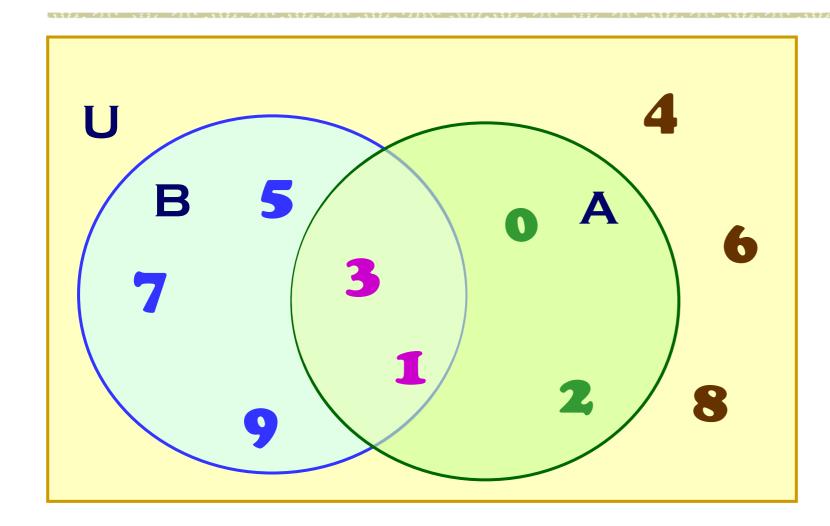


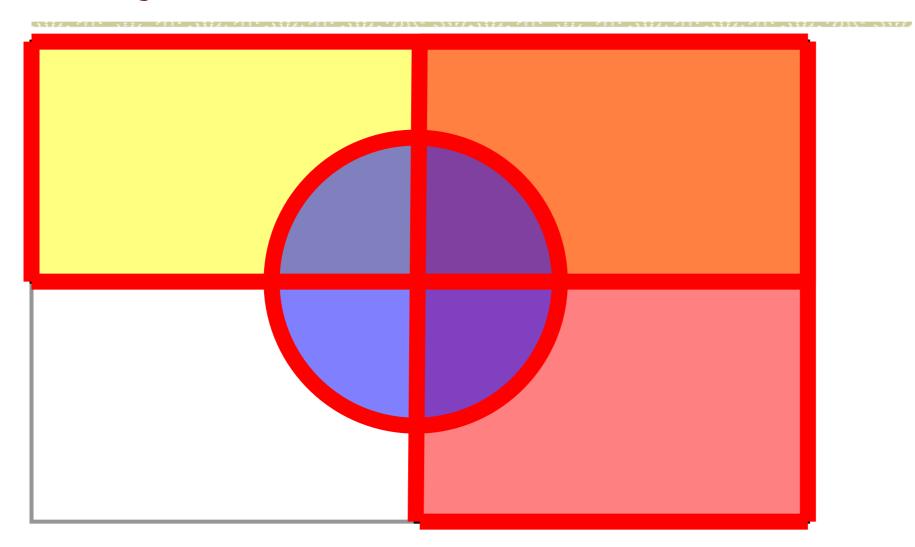


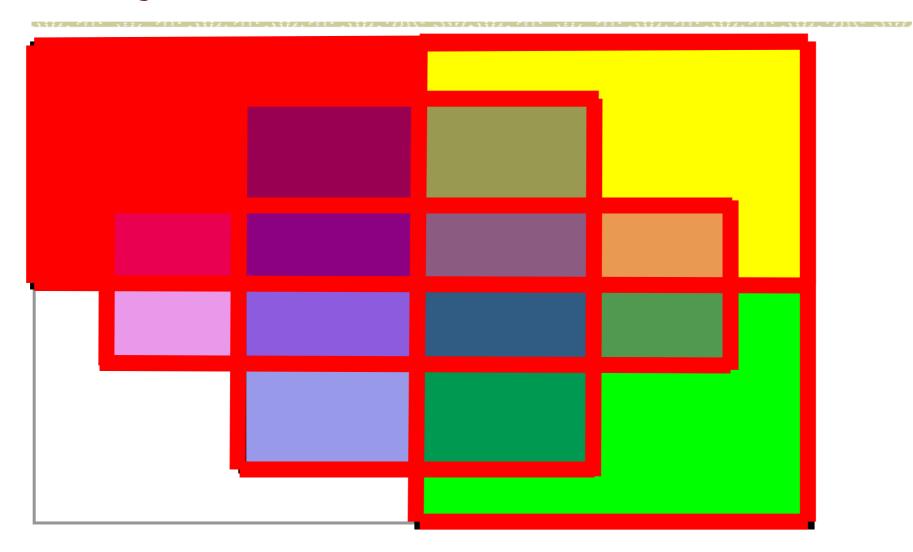
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- $\Box U = \{0, 1, ..., 9\},\$
- $\square A = \{0, 1, 2, 3\}, B = \{1, 3, 5, 7, 9\}$
- $\Box A \cup B = \{0, 1, 2, 3, 5, 7, 9\}$
- $\square A \cap B = \{1, 3\}$
- $\Box A B = \{0, 2\}$
- $\Box \overline{A} = \{4, 5, 6, 7, 8, 9\}$
- $\Box \overline{B} = \{0, 2, 4, 6, 8\}$
- $\Box A \oplus B = \{0,2,5,7,9\}$







End

