Venn diagrams

- Venn diagrams give us a graphical way to show the relationships between Boolean variables and their truth values.
- A Venn diagram consists of an enclosed area representing the universe of possibilities,
- and one or more circles representing particular variables.

Venn diagrams

- □ The area inside a circle corresponds to the condition in which the variable is true
- □ while the area outside the circle corresponds to the condition in which the variable is false.
- ☐ These circles overlap so that all possible truth value combinations are represented in the various regions in the diagram.
- □ The regions to be considered are shaded

Examples A+B A+B A+B











