Boolean Algebra
Boolean Logic

- Invented by George Boole
- Boolean logic is the basis for modern computer logic.
- Works only with binary values
What is a Boolean Variable?

- A variable (cell) that holds either **true** or **false**
- Can be thought of conceptually as **yes** or **no**
Parts of Boolean Algebra

- **Variables**: a cell that holds a Boolean value
- **Expressions**: produces a Boolean value from non-Boolean values
- **Operations**: produces a Boolean value from other Boolean values
- **Properties**: behavior of Boolean operations