Topics for today:

Gates and Boolean algebra

## Gates

Gates are simple electronic devices that combine digital inputs (representing 0's and 1's) to produce digital output.

## Boolean algebra

Functions which take inputs 0,1 and produce outputs 0,1 are called <u>Boolean</u> functions (after George Boole, a 19<sup>th</sup> century mathematician). The application of theses functions is called <u>Boolean</u> <u>algebra</u>.