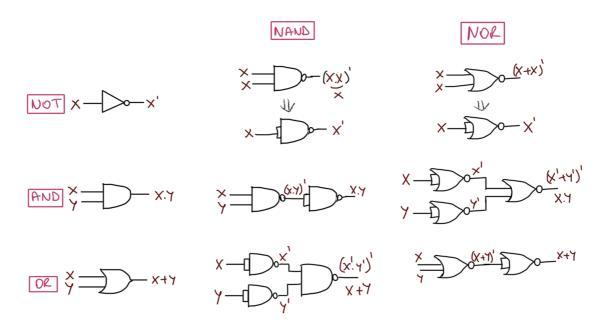
## 2 - logic gates

- \* with combination of and -or-not, any logic function can be expresses.

   we can also express any logic function using nand (not and) gates

   nor (not or)
  - nand and nor gates are easier to fabricate with electronical components
  - they are basic gates used in all IC digital logic families



buffers = X - D x > to increase / decrease voltage

three state buffers > as an onloff switch for signal in out