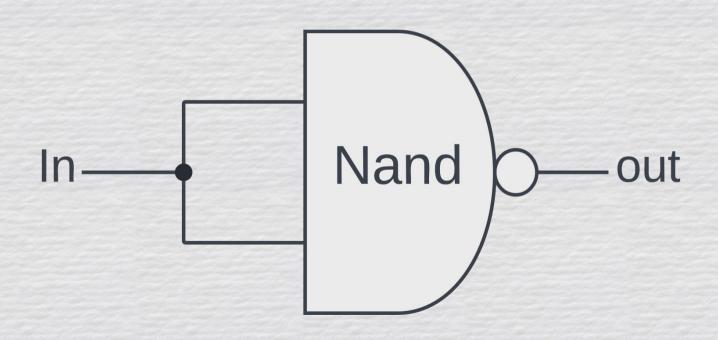
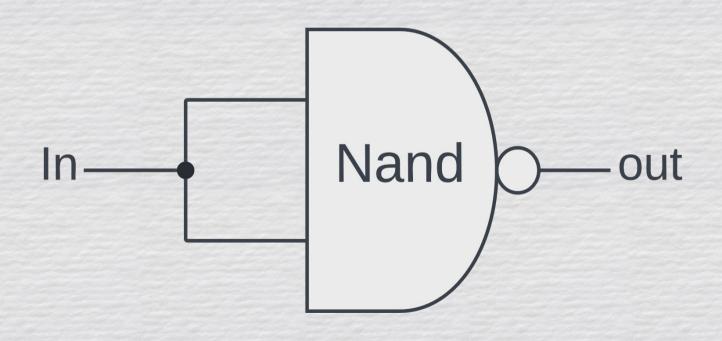
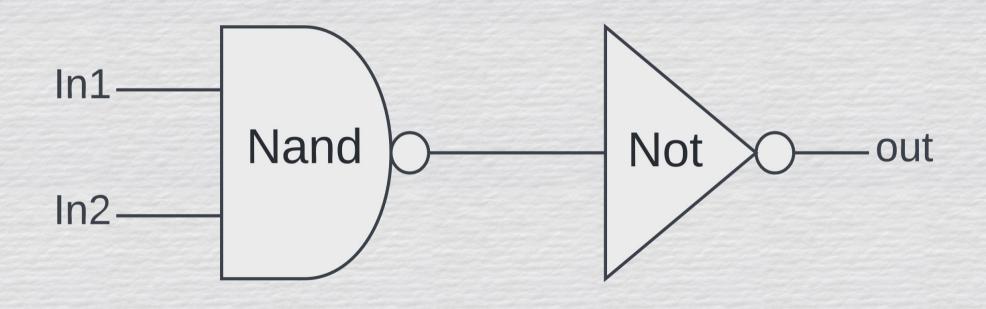
Computer Organization

Basic Logic Gates

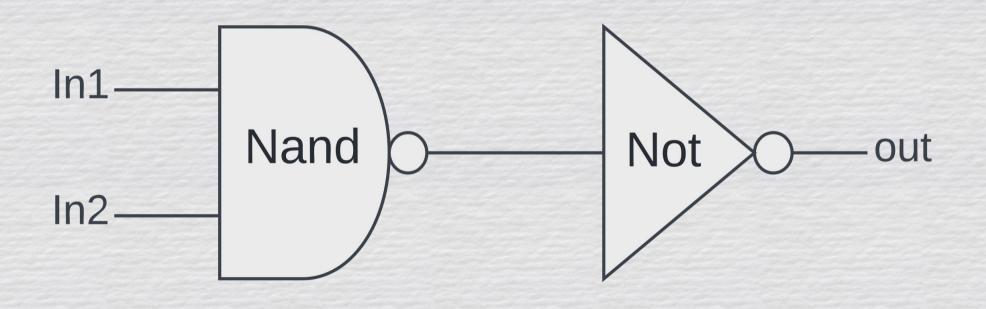


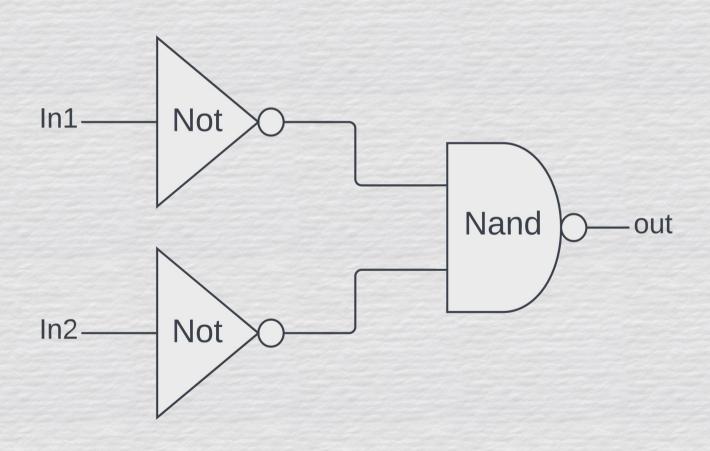
Elementary Gate – Not



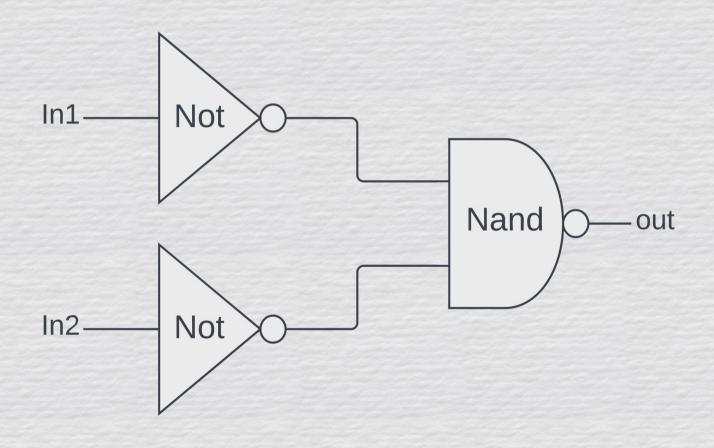


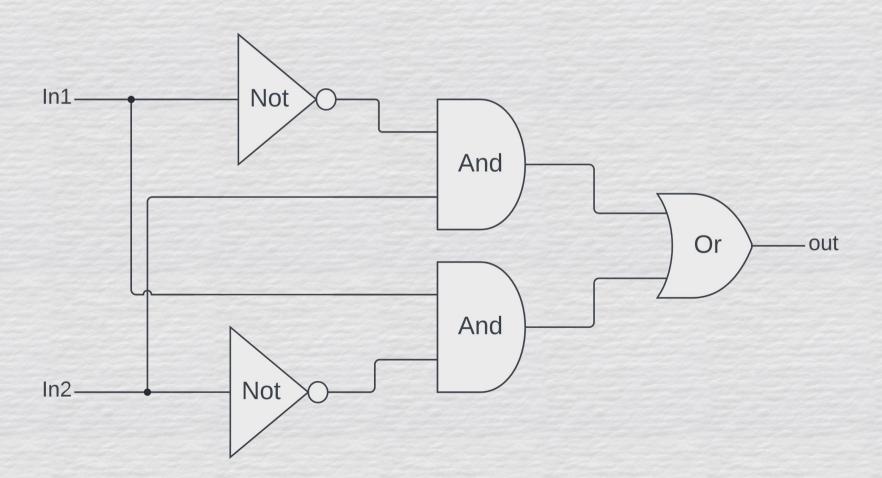
Elementary Gate – And



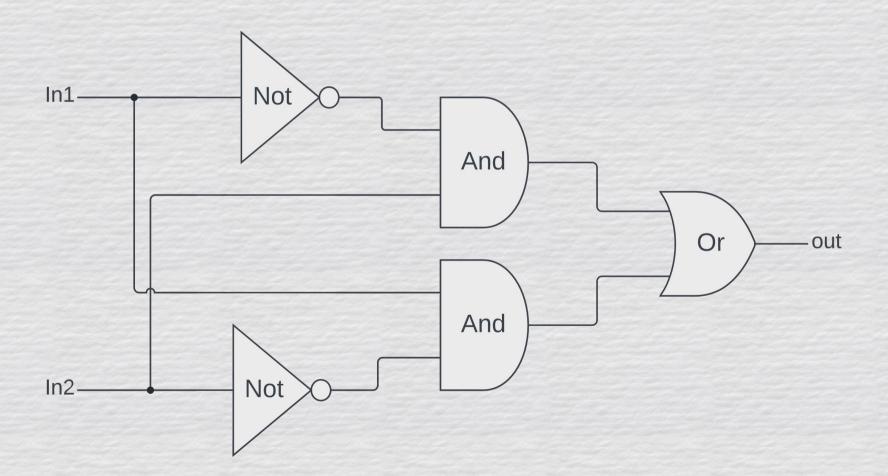


Elementary Gate – Or



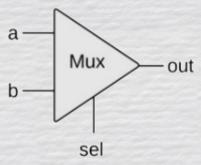


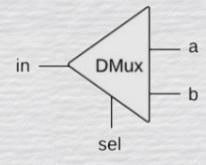
Elementary Gate – Xor



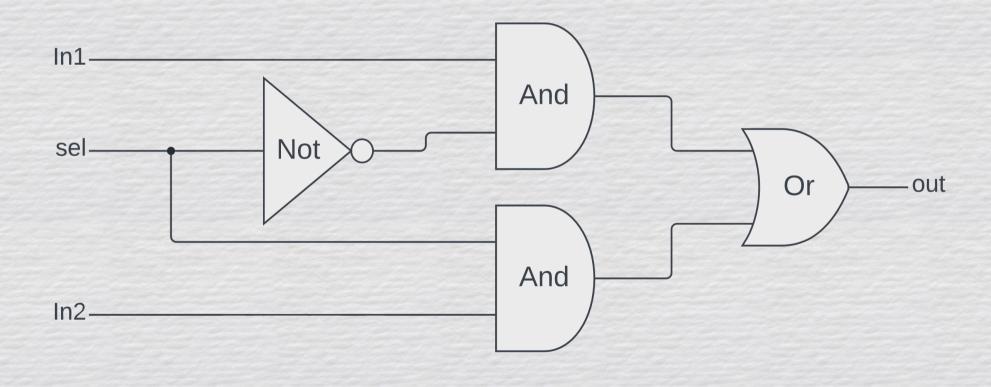
Multiplexers & Demultiplexers

- Commonly used in:
 - Hardware Design
 - Communications Networks
- Mux
 - 3 inputs (1 select)
 - 1 output
- DMux
 - 2 inputs (1 select)
 - 2 outputs

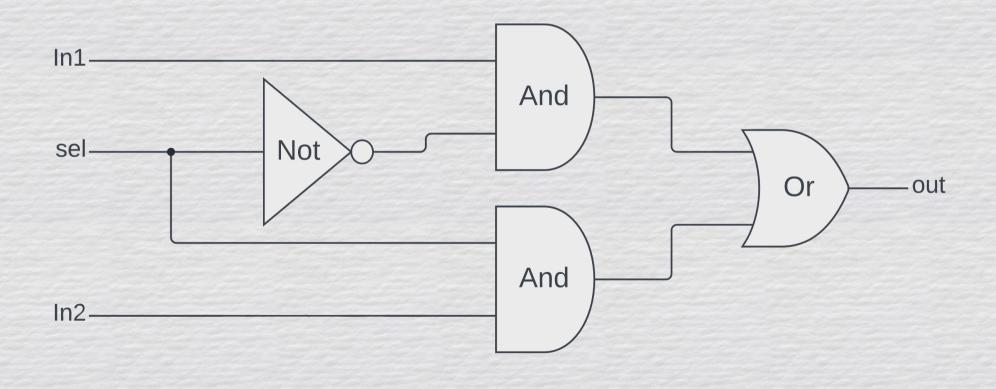




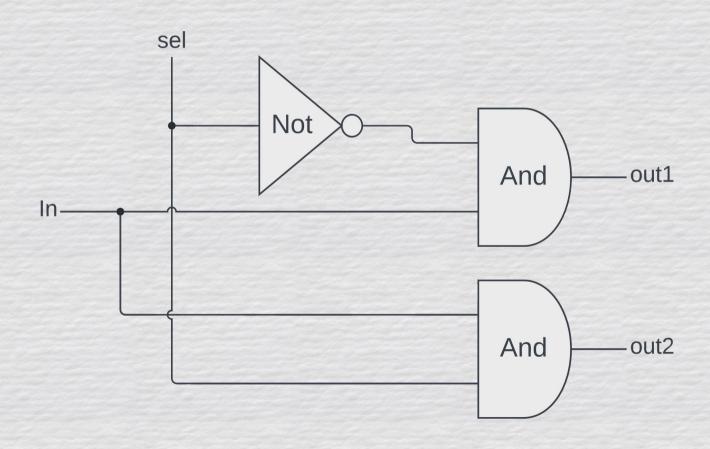
Composite Gate –?



Composite Gate – Mux



Composite Gate –?



Composite Gate – DMux

