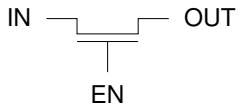
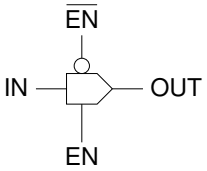
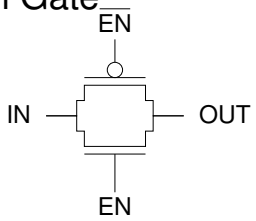
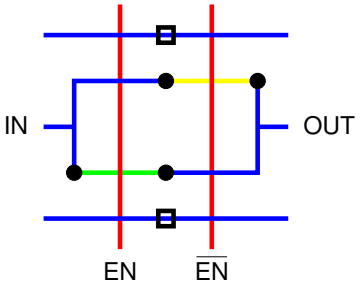
Pass Transistor



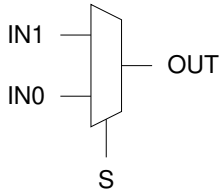
CMOS Transmission Gate

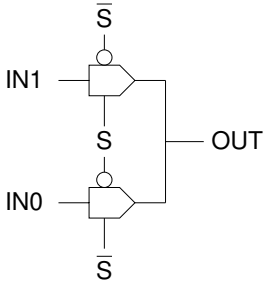


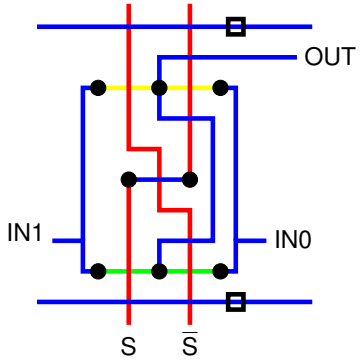




Transmission Gate Multiplexor

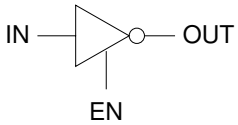


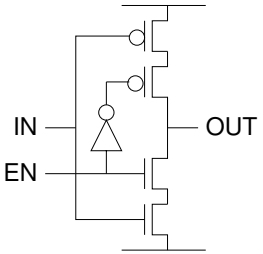


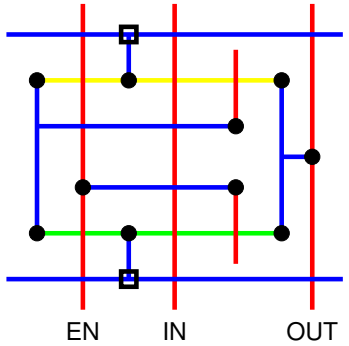


*note distictive polysilicon crossover

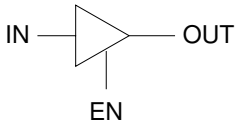
Tri-state Inverter

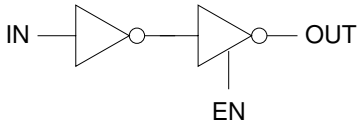






Tri-state Buffer

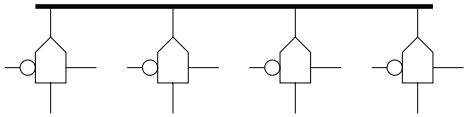




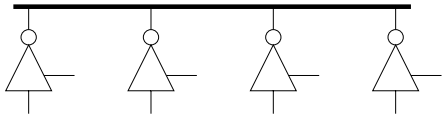
Tri-state gates are used for Multiplexing

Distributed Multiplexing

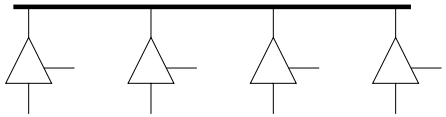
using transmission gates



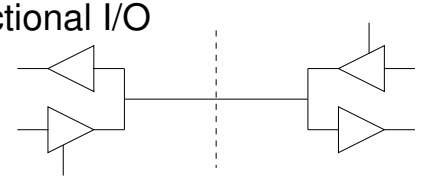
using tri-state inverters



using tri-state buffers



Bi-directional I/O



*this is another form of multiplexing