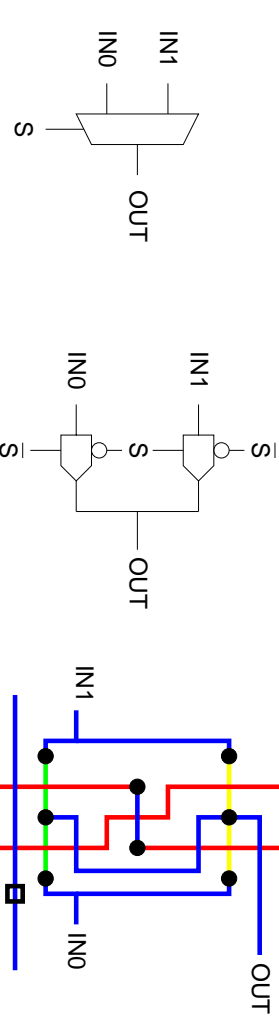
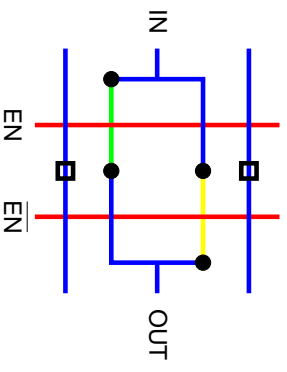


Transmission Gate Multiplexor

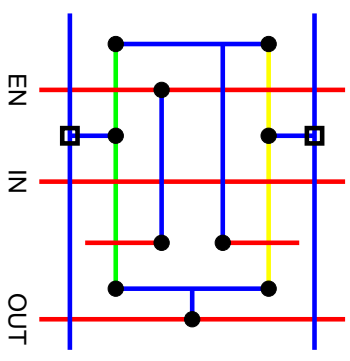
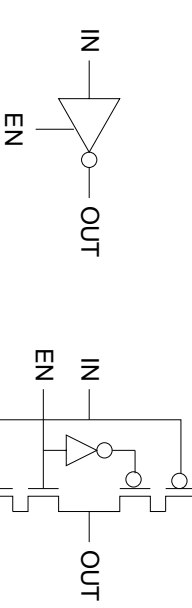


*note distinctive polysilicon crossover

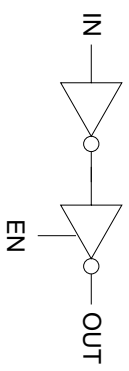
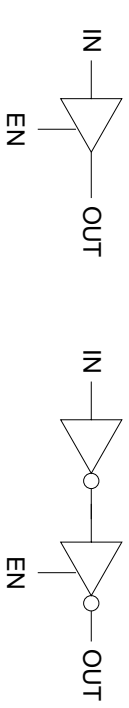


Tri-state gates are used for Multiplexing

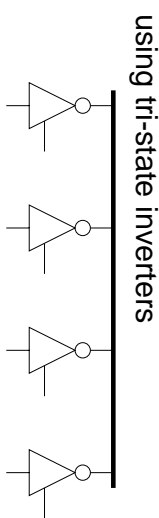
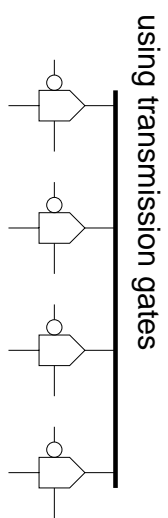
Tri-state Inverter



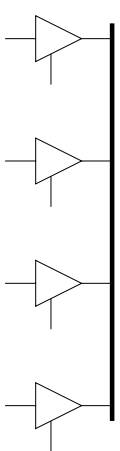
Tri-state Buffer



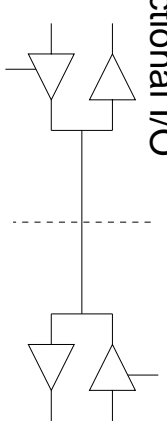
Distributed Multiplexing



using tri-state buffers



Bi-directional I/O



*this is another form of multiplexing