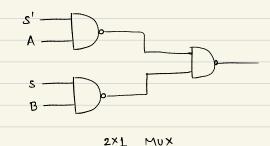
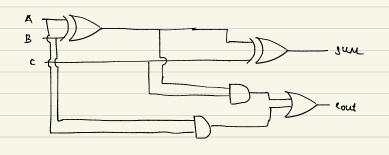
Assignment 2

Sohan Sayjay Zense CRS 2012 Design an adder substractor & bit circuit very any 2-input gates and count the number of gates required a the delay of the circuit.

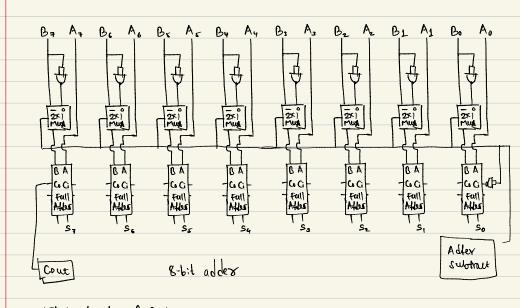
The basic circuit of then the fall circuit:





1-bit full addex

Number of gates in a 2x1 multiplexer = 3 Number of gates in a 1-bit full adder = 5



Total Number of Gates = 9+8×3+8×5 = 73.