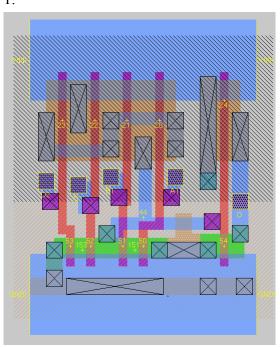
Integrated Circuit Design Homework #1 Layout Reading

Deadline: Sep. 27

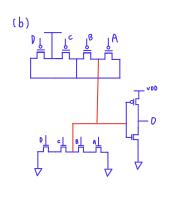
For the following layouts, please

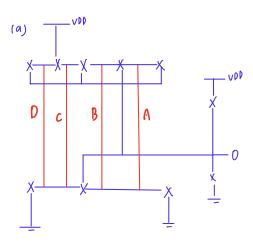
- (a) Draw the associated sticky diagram.
- (b) Draw the circuit in transistor level.
- (c) Describe the function of the circuits. (You can use Boolean equations or other descriptions)

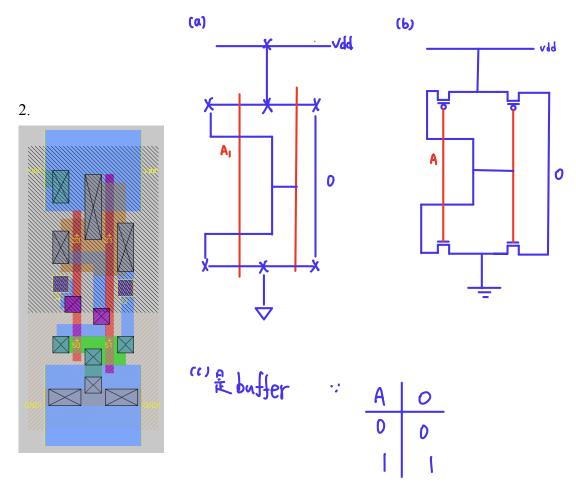
1.



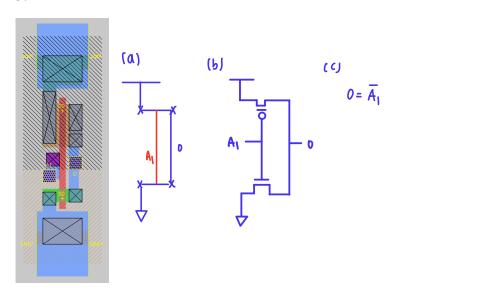
$$O = DC + AB$$

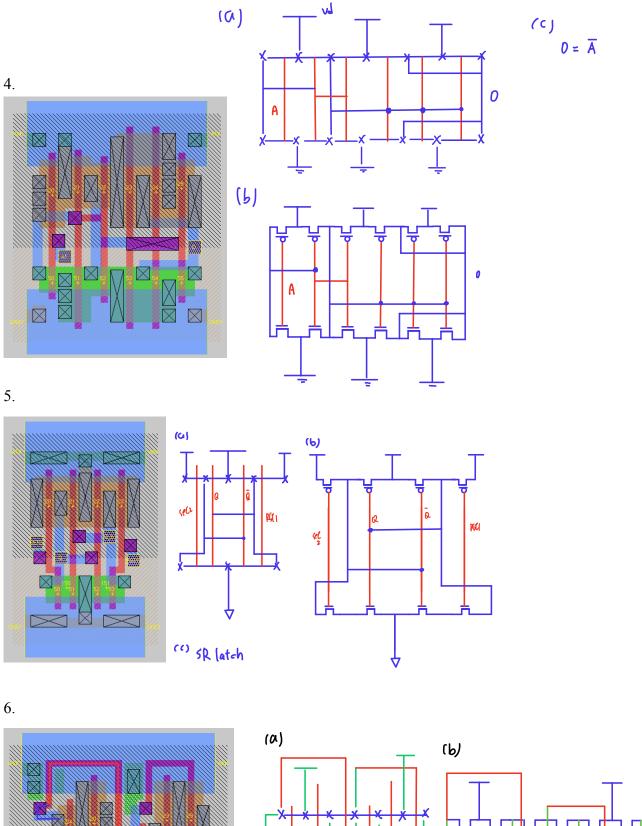


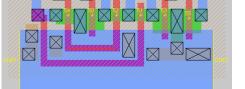


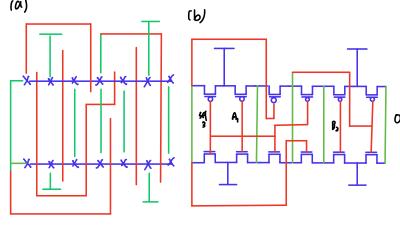


3.

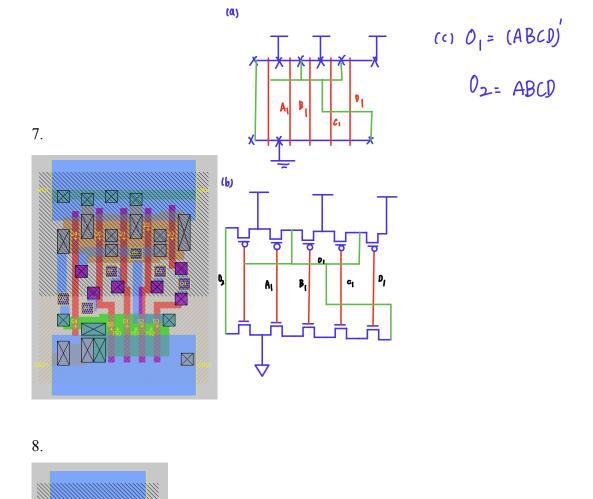


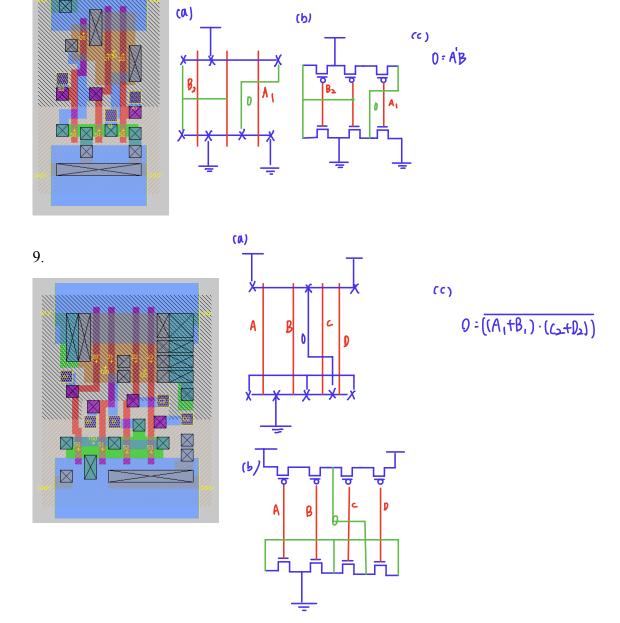


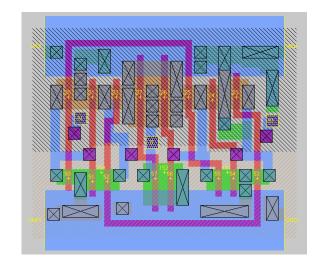


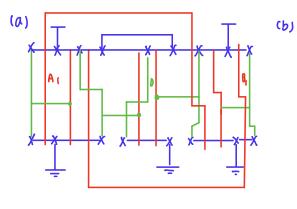


(c) mux









(c) $0 = A_1' B_1 + A_1 B_1'$

