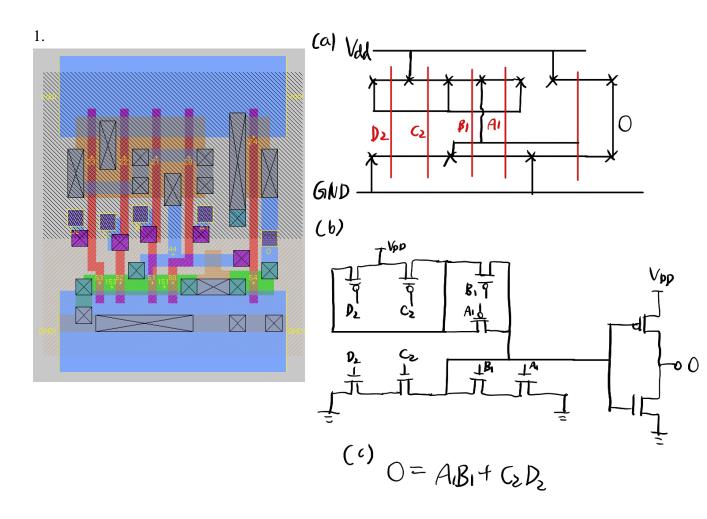
Integrated Circuit Design Homework #1 Layout Reading

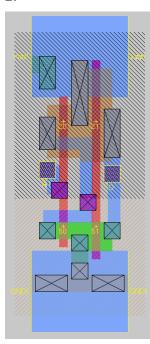
Deadline: Sep. 27

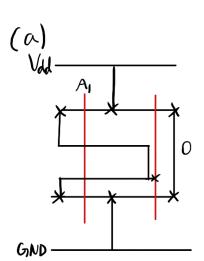
For the following layouts, please

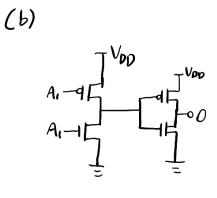
- (a) Draw the associated sticky diagram.
- (b) Draw the circuit in transistor level.
- (c) Describe the function of the circuits. (You can use Boolean equations or other descriptions)



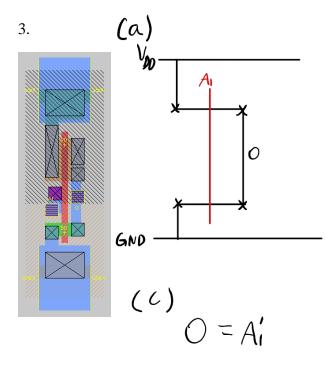
2.

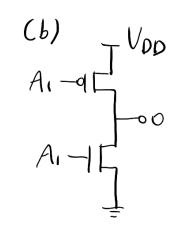


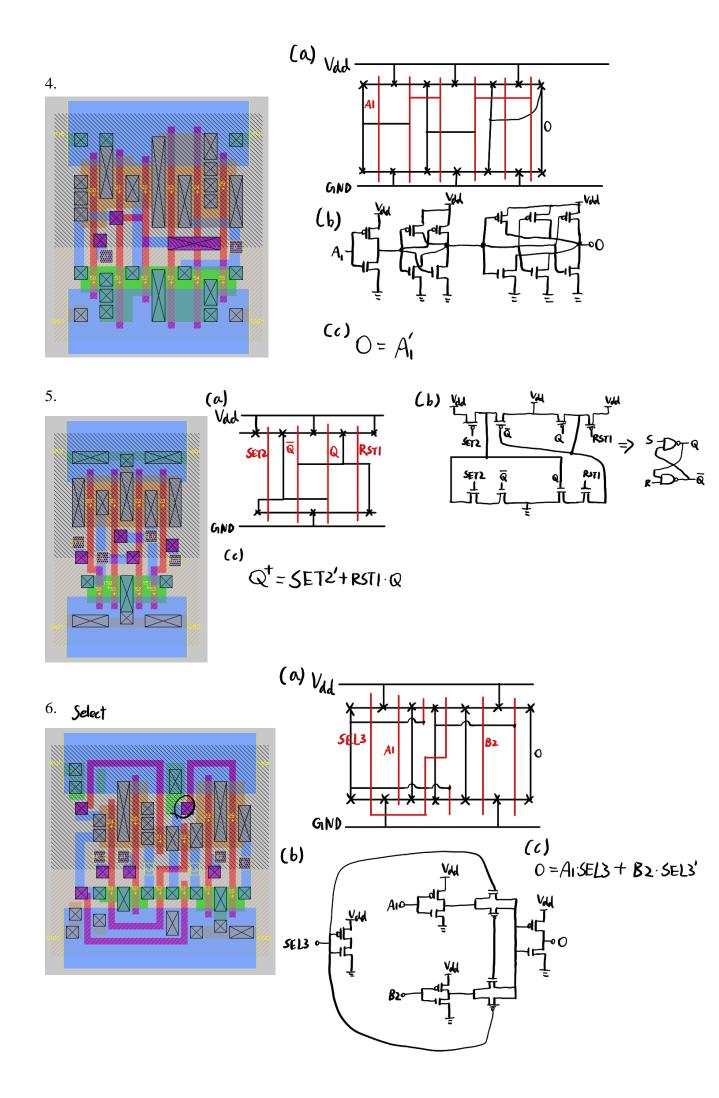


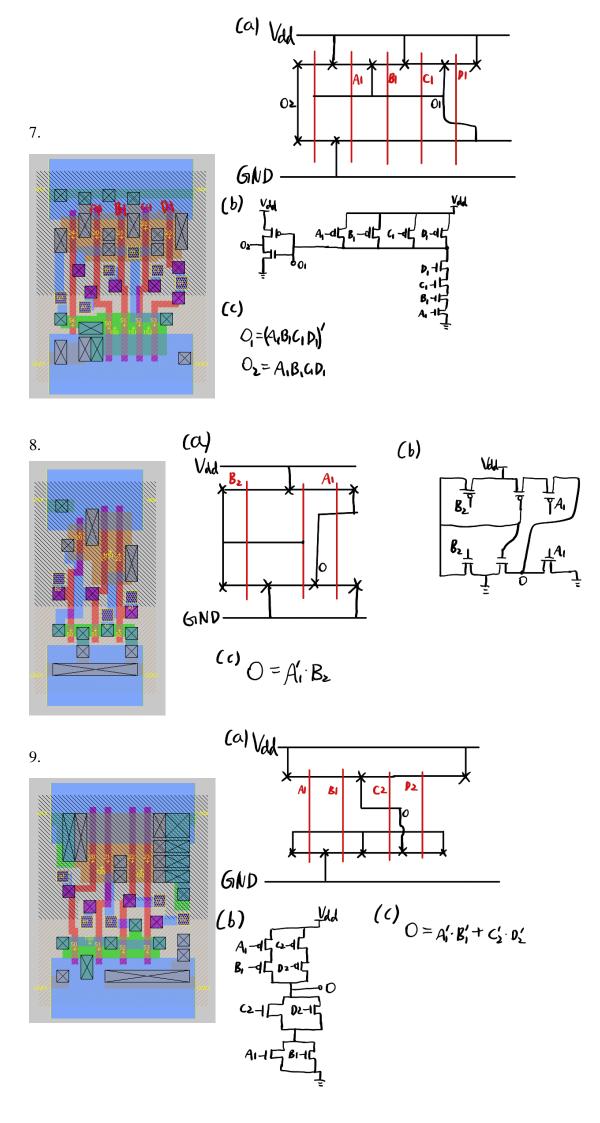


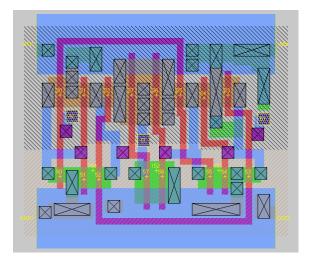
(c) 0 = A1

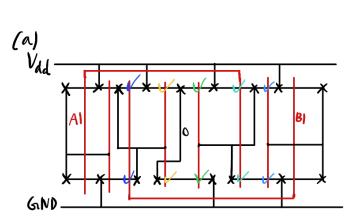


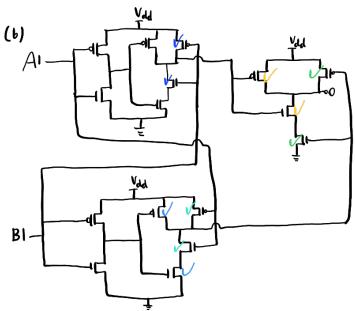












(c)
$$O = A_1'B_1 + A_1B_1'$$
$$= A_1 \oplus B_1$$