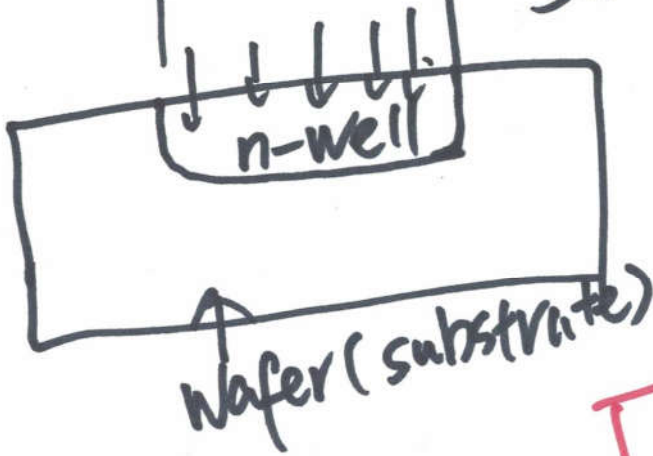
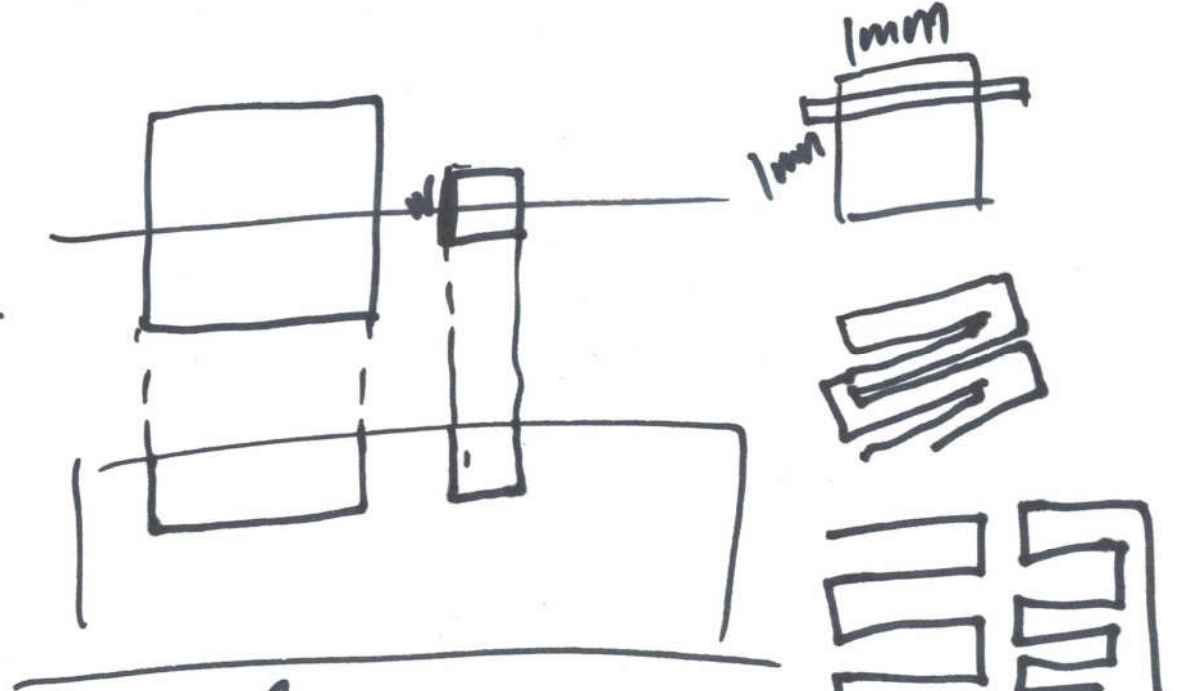
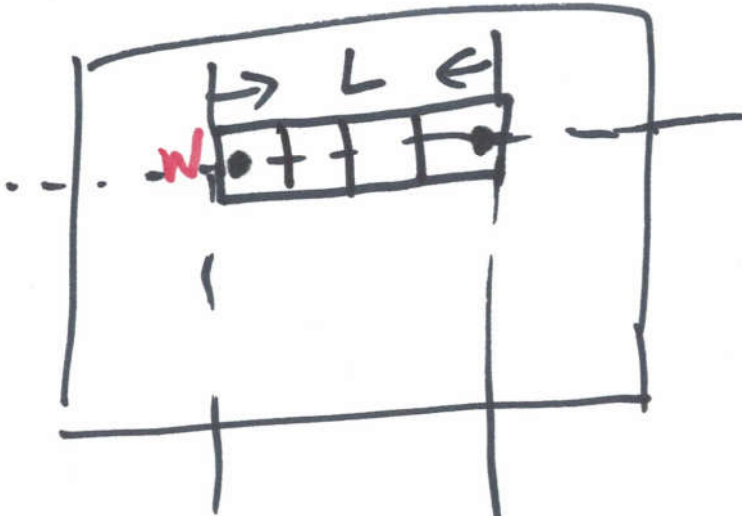
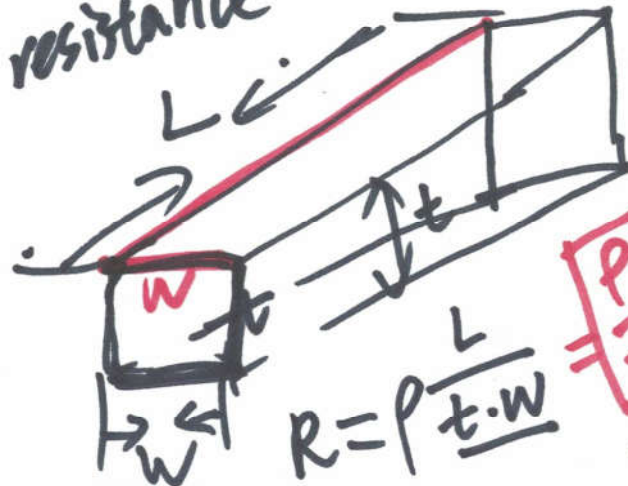


Top View



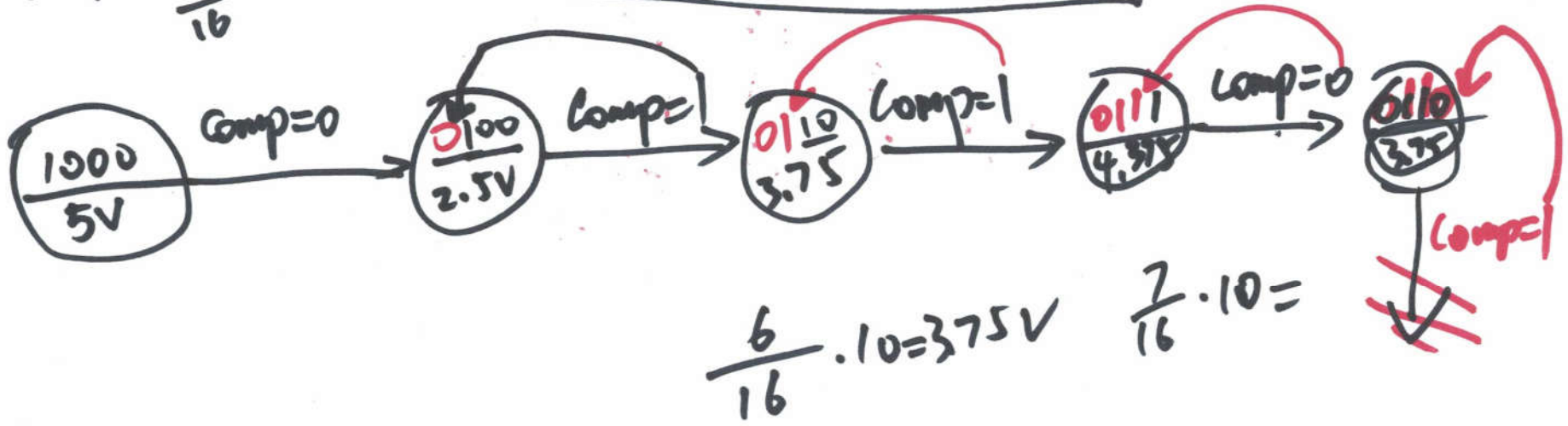
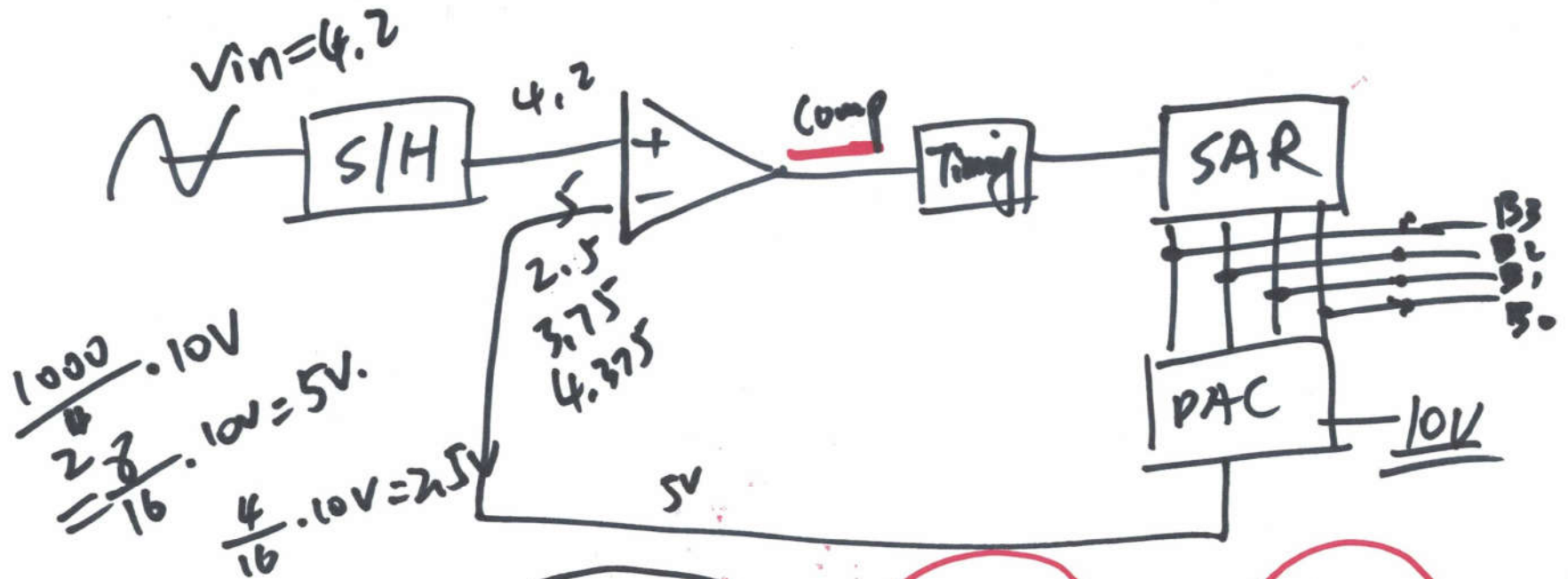
Sheet resistance



$$R = \rho \frac{L}{t \cdot w}$$

Sheet resistance =  $\frac{\rho}{t}$

$$R = \rho \frac{L}{SA}$$



(2)

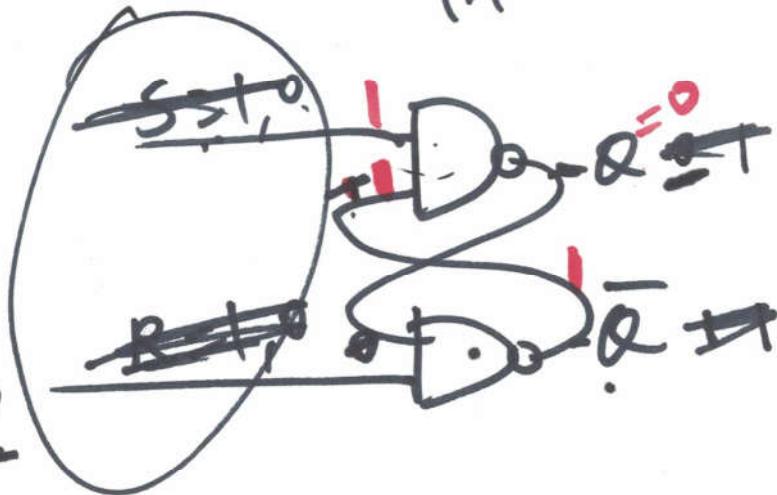
Cycles	$B_3$	$B_2$	$B_1$	$B_0$
0	0	0	0	0
1	<del>0</del> 1	0	0	0
2	$A_3$	1	0	0
3	$A_3$	$A_2$	1	0
4	$A_3$	$A_2$	$A_1$	1
5	$A_3$	$A_2$	$A_1$	$A_0$
6				

3

# SR latch

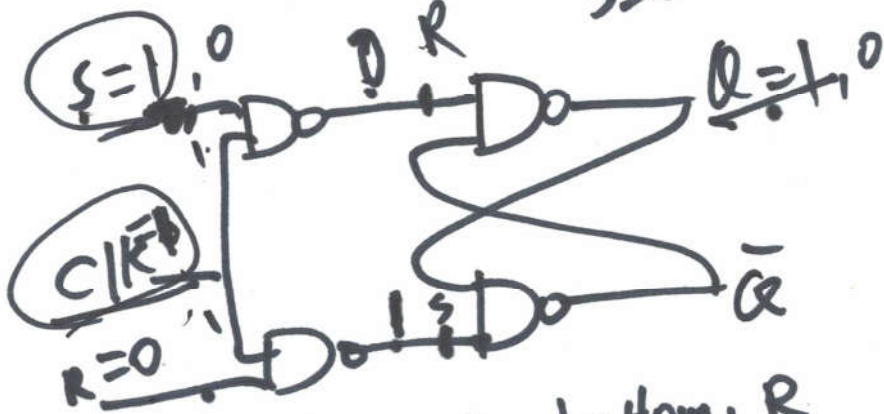
~~R~~ ~~S~~ = 1

~~S~~ ~~R~~ = 0



set: 1, Q=1  
 ON  
 Reset: 1, Q=0

S=Q



① top: S bottom: R

$$\overline{A \cdot 1} = \overline{A}$$

$$\overline{\underline{A} \cdot 0} = 1$$

SR flip flop

