

$$R = \rho \frac{L}{A} = \rho \frac{L}{p \cdot W} = \left(\frac{\rho}{p} \right) \frac{L}{W}$$

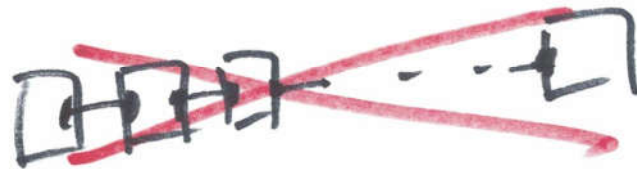
$$R = \rho \frac{L}{A}$$

L: length

A: cross-sectional Area

ρ : Resistivity

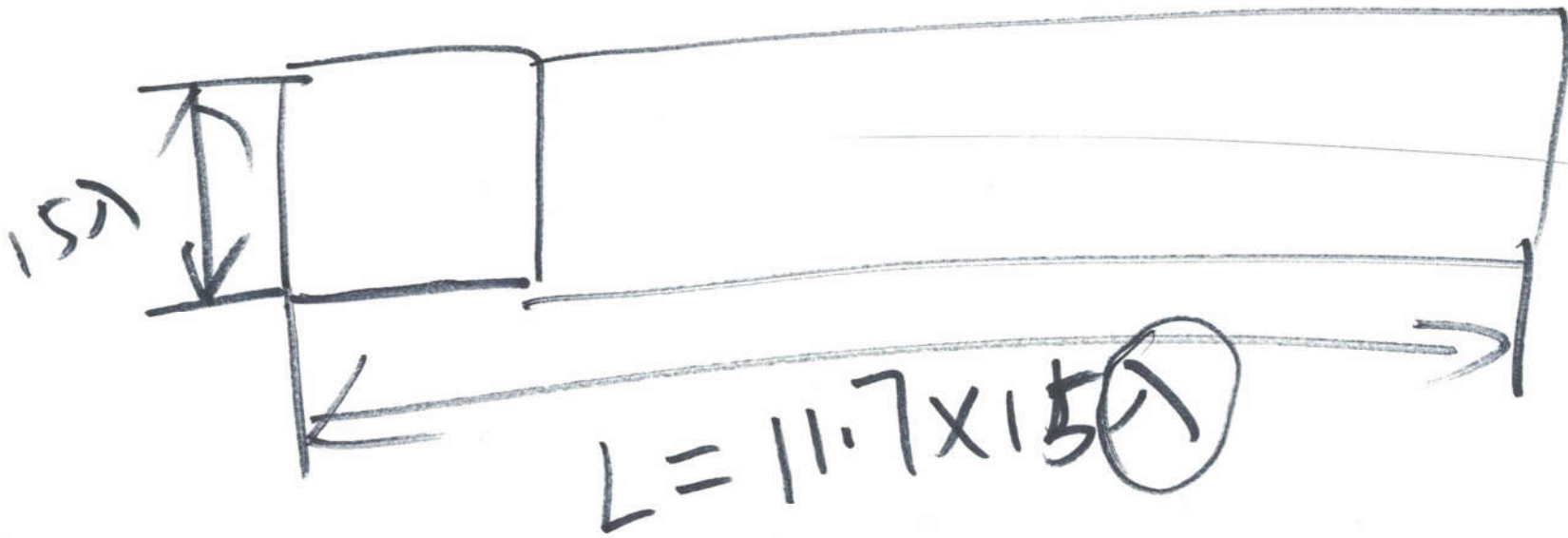
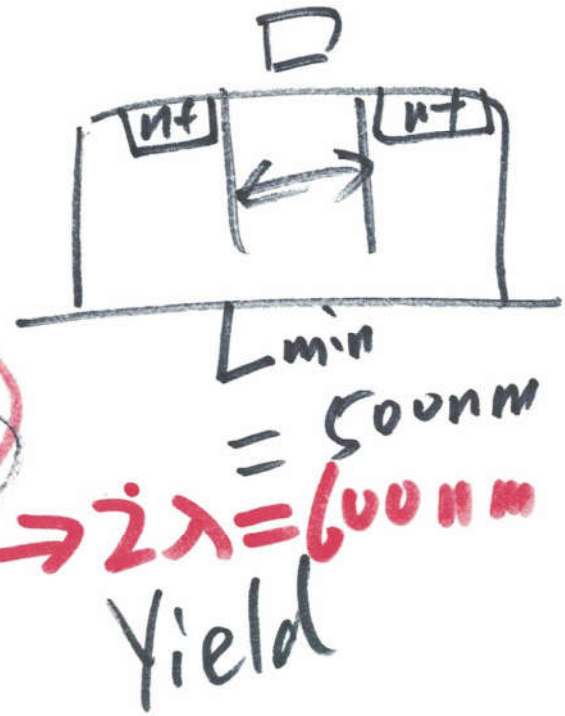
$$\frac{10K}{855\Omega} = 11.7 \text{ squares}$$



①

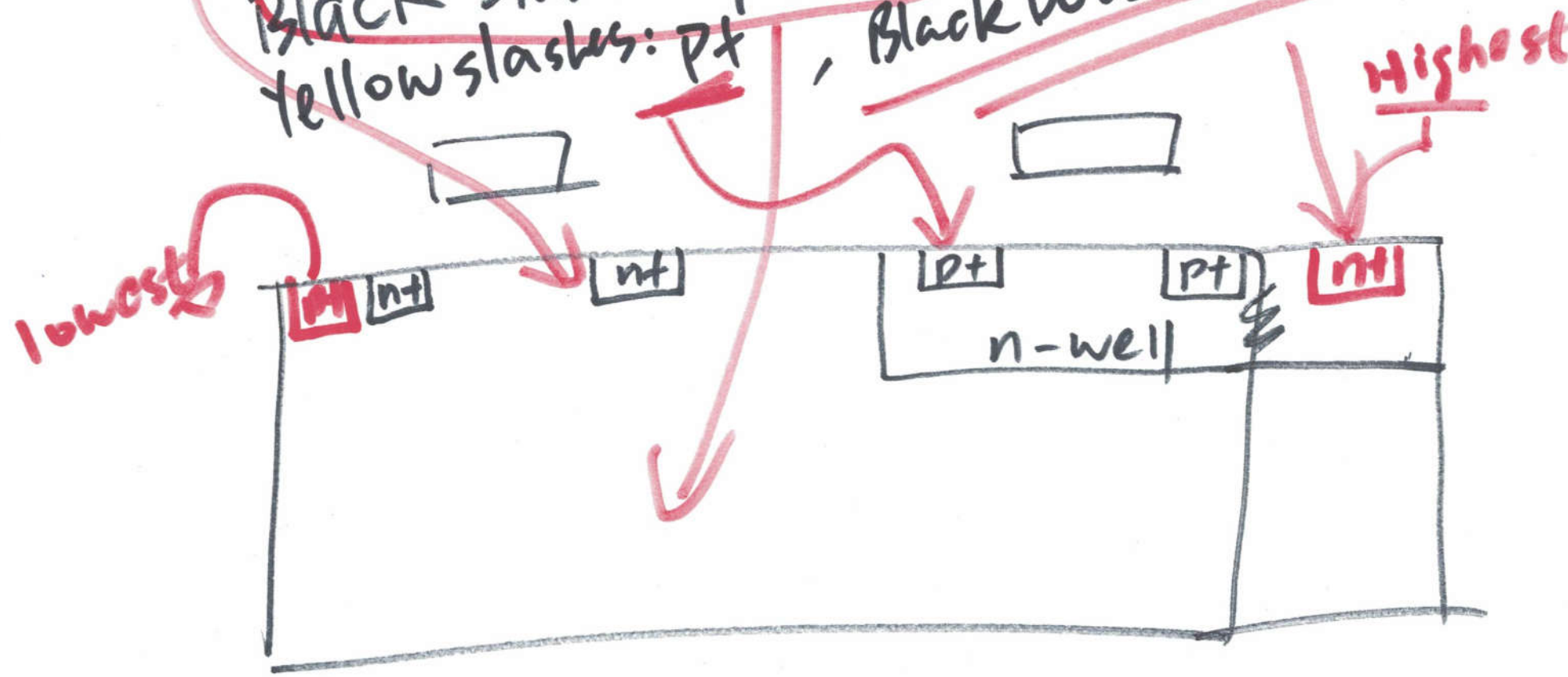
$\lambda = 300\text{nm}$
CS: 500nm technology

N-well: minimum width is 12λ in CS
we are using ~~15~~ 15λ

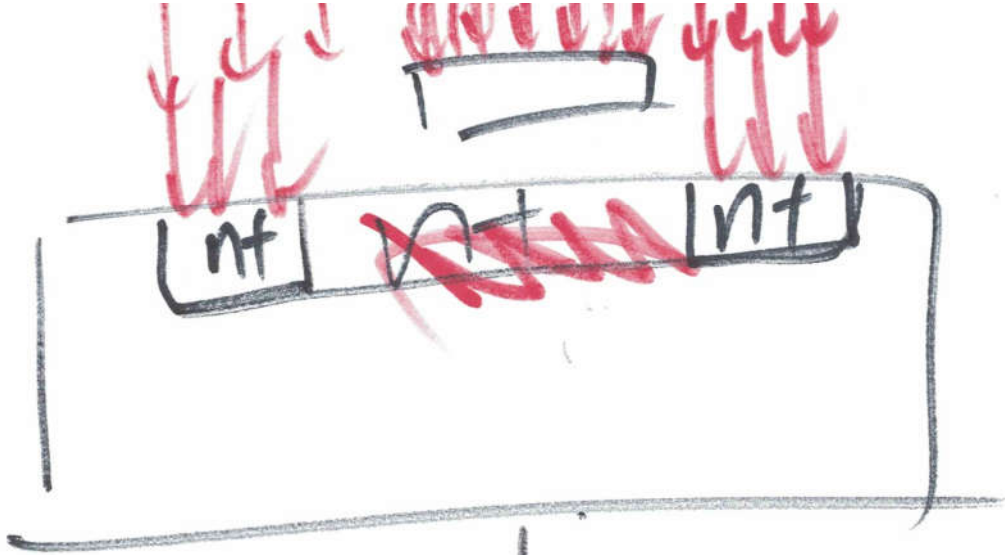


②

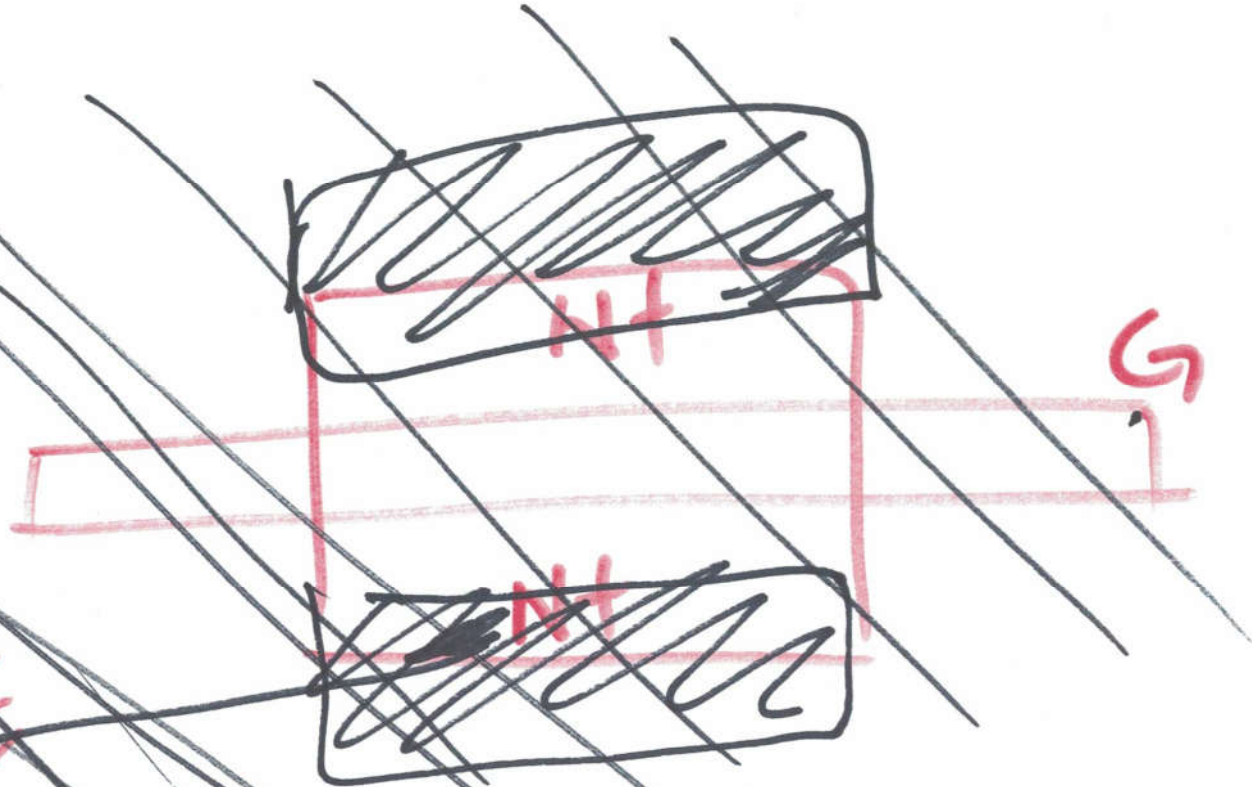
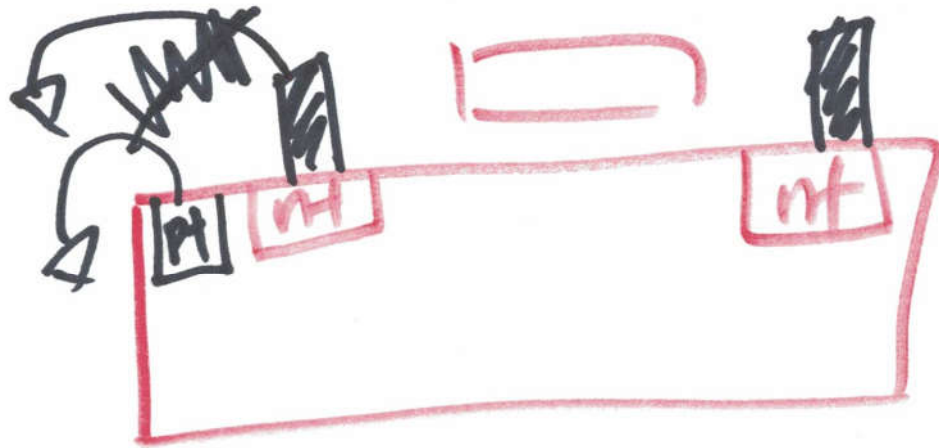
Yellow Dots: n+
Black slashes: p-sub
Yellow slashes: p+, Black Dots: n-well



3



5



5

6/17