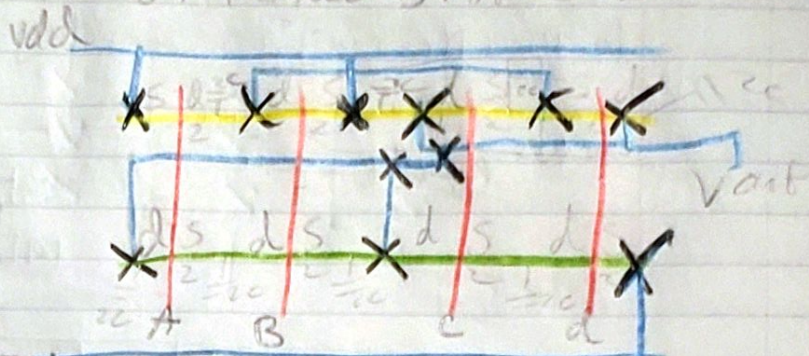
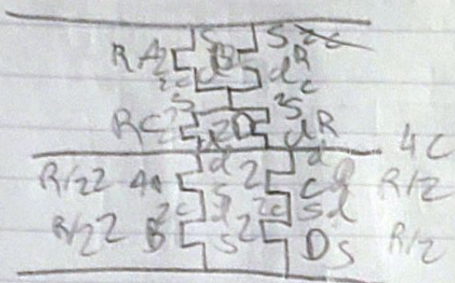


Metal
Poly

P
N

3) Draw stick diagram of $(AB+CD)$ size $(4R \times 8C)$
 Rise + Fall are same as inverter. Every large width, assume diffusion is same as inverter. dirFS has \rightarrow Flip S + D



$$T_{rise1} = R4C + 2R4C = 12RC$$

$$T_{fall2} = R4C + 2R4C = 12RC$$

$$T_{fall11} = 4CR/2 + 2CR = 4RC$$

$$T_{fall12} = 4CR/2 + 2CR = 4RC$$

$$R = 12RC$$

$$F = 4RC$$

$$T_{prop} = \frac{R+F}{2}$$

$$2$$

$$T_{prop} = 8RC$$