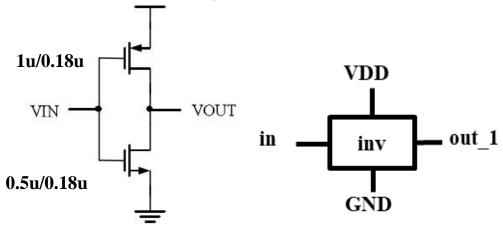
LAB8 Homework

1-1. 設計一個 inverter, 電晶體長寬比如下

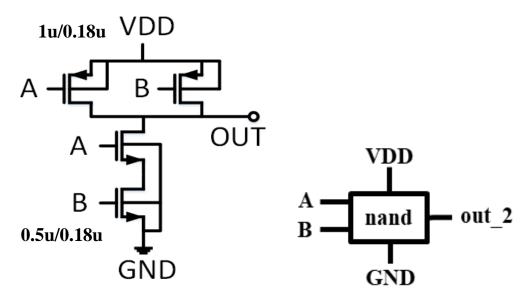


1-2. 請截取 terminal 顯示 job concluded 的圖

1-3. 請截取 WaveView 中 in 及 out_1 的波形



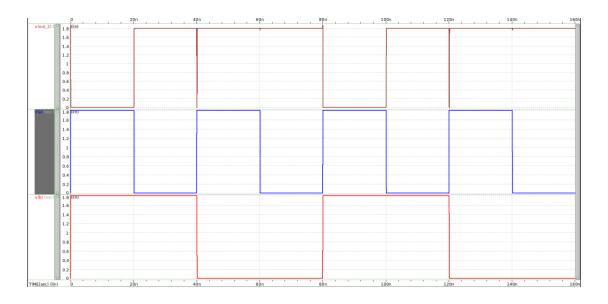
2-1. 設計一個 NAND, 電晶體長寬比如下



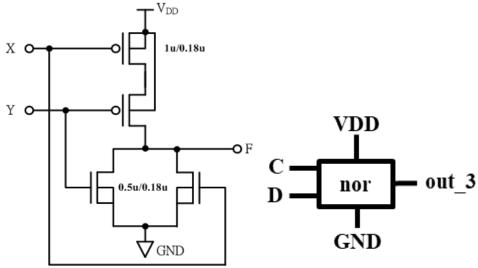
2-2. 請截取 terminal 顯示 job concluded 的圖

```
vlsicad9:/home/user2/vlsi22/vlsi22ll4 % hspice testbench.sp -o test.lis
Using: /usr/cad/synopsys/hspice/cur/hspice/linux64/hspice 'testbench.sp' -o test.lis
>info: ***** hspice job concluded
vlsicad9:/home/user2/vlsi22/vlsi22ll4 % wv &
[1] 15379
```

2-3. 請截取 WaveView 中 A、B 及 out_2 的波形

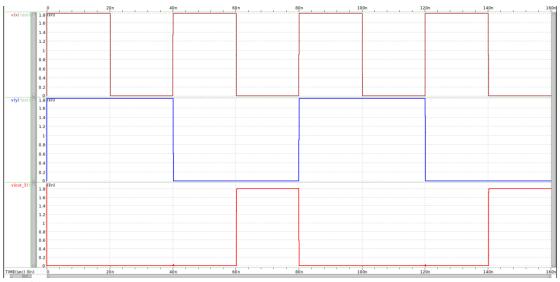


3-1. 設計一個 NOR, 電晶體長寬比如下



3-2. 請截取 terminal 顯示 job concluded 的圖

3-3. 請截取 WaveView 中 C、D 及 out_3 的波形



4. 結論/建議 (可寫可不寫,不影響作業評分,僅做為下次上課方式的參考)