2023 超大型積體電路電腦輔助設計概論

2023 Introduction to VLSI CAD Lab 12

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※作業要求的圖請使用**電腦截圖程式**截取,請勿用手機拍照的方式繳交 ※Report 檔請以 pdf 的格式繳交

- One bit fulladder
 - Presim
 - 請截取 terminal 顯示 job concluded 的圖

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connection with this process to deliver software updates and pursue software pir ates and infringers.

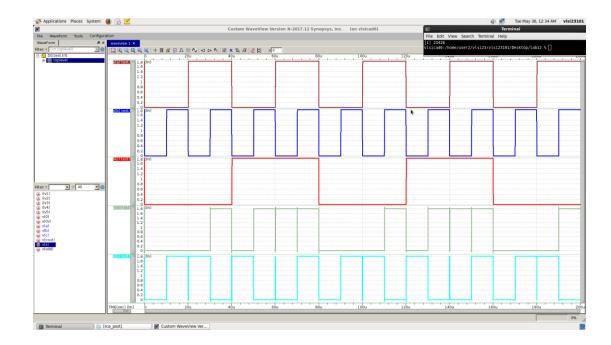
Display localhost:34.0 ==> Current mode: TrueColor The PseudoColor mode is not available under current setting. Switch to use TrueColor mode.

**** Limitation: Blinking is not supported under TrueColor mode.
fontPath(sps FONT PATH) = /usr/cad/synnopsys/laker/cur/TTheToft fontPath(sps FONT PATH) = /usr/cad/sizer/cad/sizer/cad/synnopsys/labil_abs_nor_cal/suspenses.

Labil_cal/suspenses.

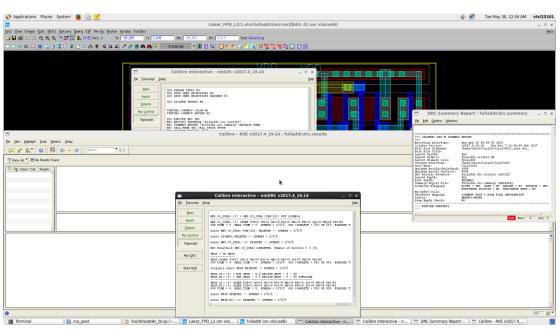
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• 請截取 WaveView 中的波形

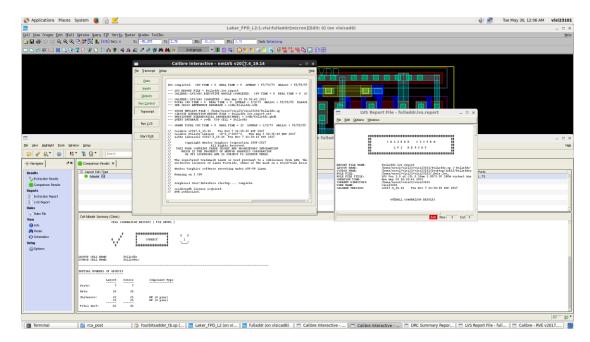


• DRC/LVS 結果

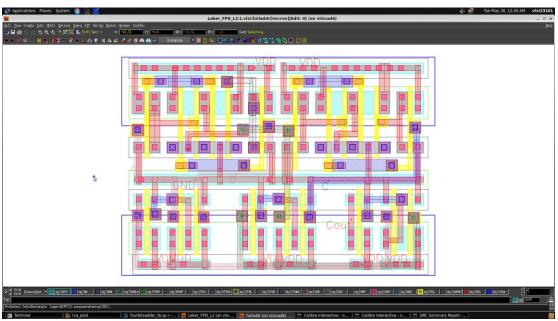
DRC



LVS



• Layout 截圖



4-bits fulladder

- Presim
 - 請截取 terminal 顯示 job concluded 的圖

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This years apace onto Last price files quote limit price

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· 請截取 WaveView 中



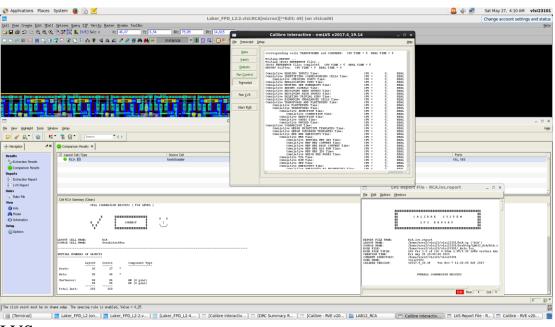
的波形

- Post-sim
 - 請截取 terminal 顯示 job concluded 的圖

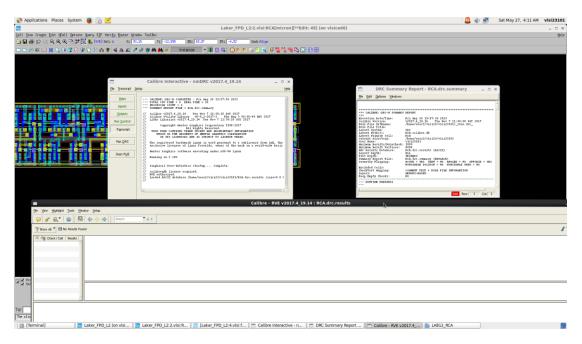


- 請截取 WaveView 中的波形
- DRC/LVS 結果

DRC

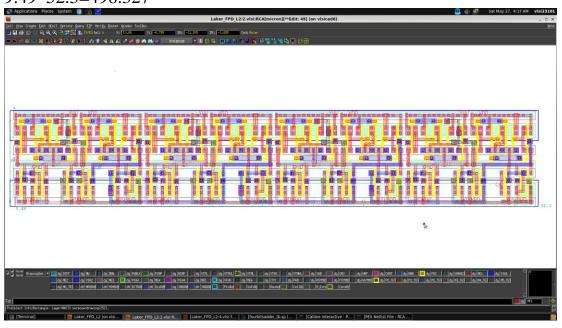


LVS



• Layout 截圖(顯示長寬)

9.49*52.3=496.327



• 嘗試簡單說明 Presim 與 Post-sim 結果比較

整體看起來差不多,放大仔細觀察波型變化處,變化率 post 比 pre 比較小一點

• 心得討論

在這次 lab 中加強練習了不同元件間的連接,實作手感好很多。

過程中也學習並熟練使用許多 DRC 的小技巧,像是 nimp 和 pimp可以共用,也透過這周將其他次 lab 畫的更好。