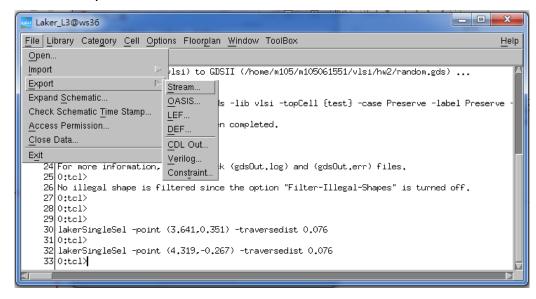
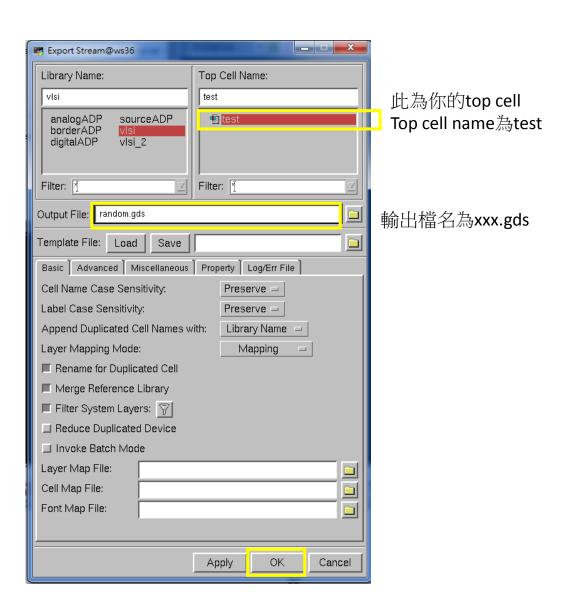
Run DRC/LVS

以下介紹如何用command line執行DRC/LVS

先將畫好的Layout轉成gds file

File → Export → Stream...

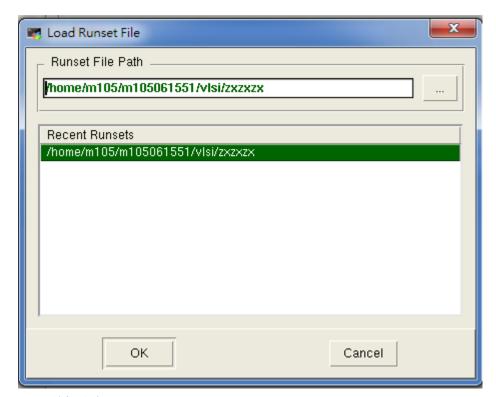




在command line叫出DRC的gui

```
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   exclusive licensee of Linus Torvalds, owner of the mark on a world-wide basi
   Mentor Graphics software executing under x86-64 Linux
   Running on Linux ws36 3.10.0-514.26.2.el7.x86 64 #1 SMP Tue Jul 4 15:04:05 U
 2017 x86 64
   64 bit virtual addressing enabled
   Starting time: Mon Oct 29 21:59:08 2018
   calinteractive license acquired.
   Calibre Interactive authorized.
[m105061551@ws36 hw2]$
[m105061551@ws36 hw2]$
[m105061551@ws36 hw2]$ calibre -gui -drc
```

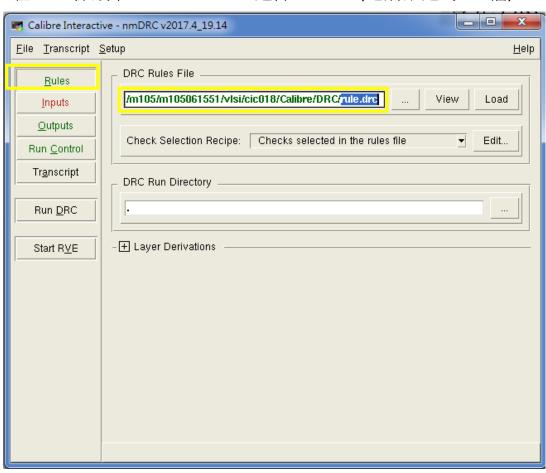
Calibre –gui –drc &



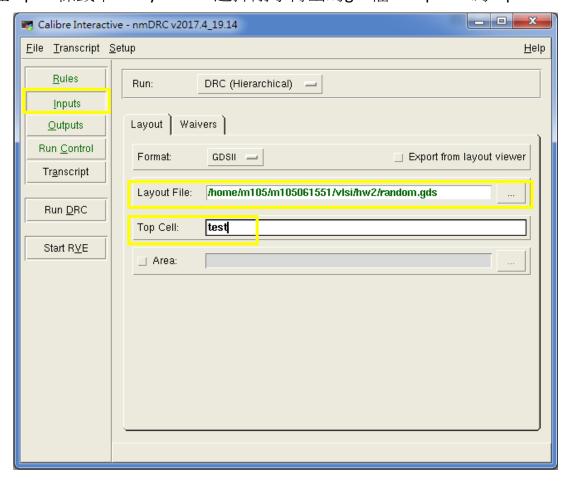
關掉這個

設定DRC環境

在Rules標籤下,DRC Rules File選擇: rule.drc(之前給過的rule檔)



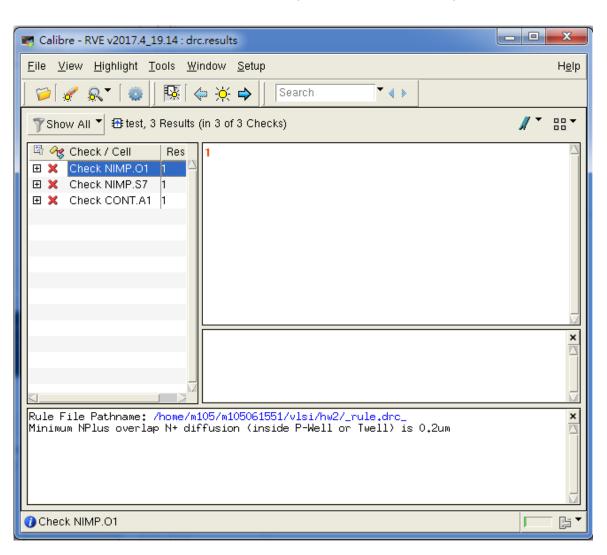
在Inputs標籤下,Layout File選擇剛才轉出的gds檔,Top Cell 為top cell name(test)



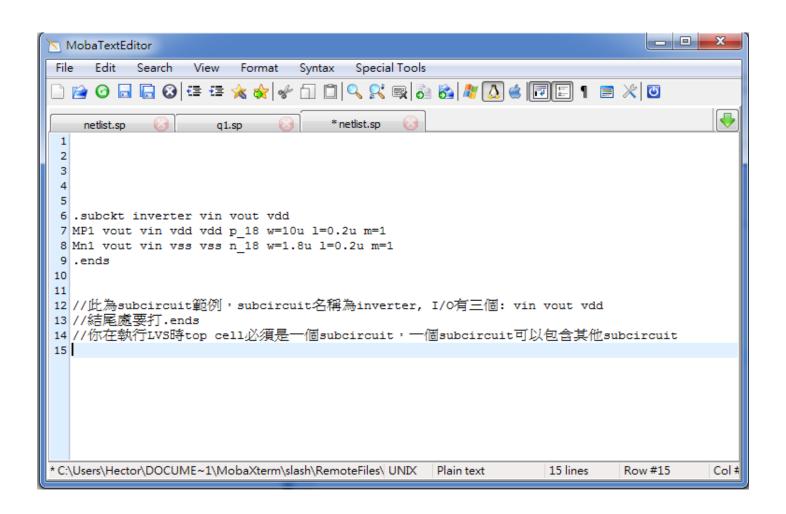
然後就可以run了

DRC result

請做到DRC Clean(下面這張沒有clean)



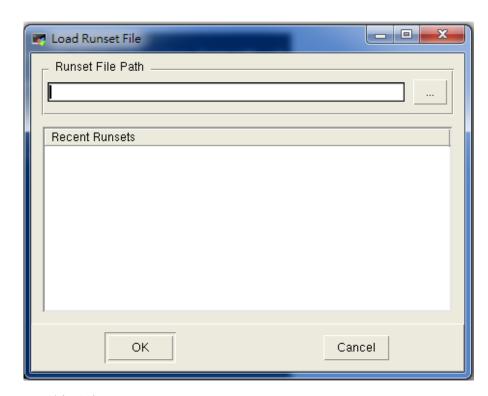
先將要做LVS的電路檔改成subcircuit的形式



在command line叫出LVS的gui

```
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    Mentor Graphics software executing under x86-64 Linux
    Running on Linux ws36 3.10.0-514.26.2.el7.x86 64 #1 SMP Tue Jul 4 15:04:05 U
   2017 x86 64
    64 bit virtual addressing enabled
    Starting time: Mon Oct 29 22:23:21 2018
[m105061551@ws36 hw2]$
[m105061551@ws36 hw2]$ calibre -gui -lvs&
```

Calibre –gui –lvs &



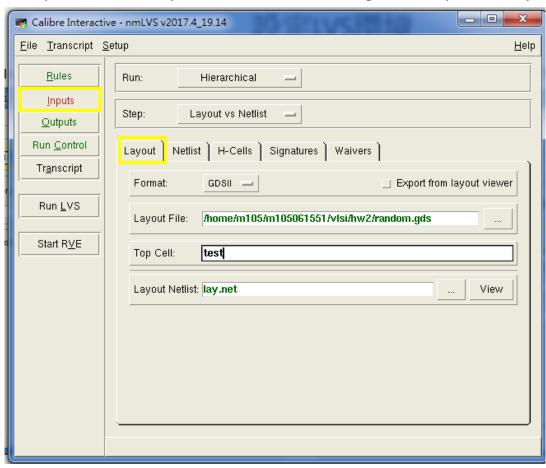
關掉這個

設定LVS環境

在Rules標籤下,LVS Rules File選擇: Rule.lvs

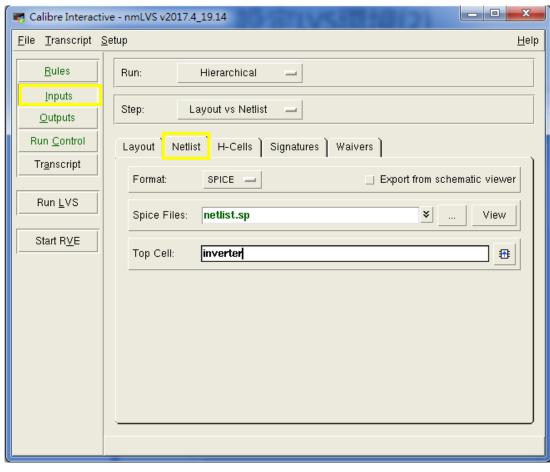
在Inputs/Layout標籤下,Layout File選擇剛才轉出的gds檔,Top Cell 為top cell name(test)

Calibre Interactive - nmLVS v2017.4_19.14	
Eile Transcript Setup Help	
<u>R</u> ules	LVS Rules File
Inputs	/m105/m105061551/vlsi/cic018/Calibre/LVS/Rule.lvs View Load
<u>O</u> utputs	LVO Burn Blancham
Run <u>C</u> ontrol	LVS Run Directory
Tr <u>a</u> nscript	·
Run <u>L</u> VS	-
Start R <u>V</u> E	



設定LVS環境(2)

在Inputs/Netlist標籤下,Spice File選擇subcircuit形式的電路檔,Top Cell 為top cell(subcircuit) name(inverter)



然後就可以run了

LVS Result

請做到LVS Clean(要看到打勾+笑臉)

