1. 先進入 ProblemE_test 資料夾
   >cd ProblemE_test
2. 開啟 cadence innovus
   >innovus (請參照 CIC 的路徑)
3. 執行 run_case1.tcl
   Innovus 1 > source run_case1.tcl
4. 檢驗 report 中是否有出現 violation

==========

run_case1.tcl 內容. 若有需要, 請依照指令調整檔案位置

```
set init_verilog "./data/case1.v"
set init_top_cell top
set init_design_netlisttype Verilog
set init_lef_file {./data/tech.lef ./data/blocks.lef}
set init_gnd_net {VSS}
set init_pwr_net {VDD1 VDD2 VDD3}
set defHierChar /
init_design
defIn ./data/case1_output.def
verifyGeometry
verifyConnectivity -noAntenna
```

==========

驗證 Geometry 結果

```
 *** Starting Verify Geometry (MEM: 555.9) ***

  VERIFY GEOMETRY ..... Starting Verification
  VERIFY GEOMETRY ..... Initializing
  VERIFY GEOMETRY ..... Deleting Existing Violations
  VERIFY GEOMETRY ..... Creating Sub-Areas
                  ..... bin size: 12000
  VERIFY GEOMETRY ..... SubArea : 1 of 1
  VERIFY GEOMETRY ..... Cells          :  0 Viols.
  VERIFY GEOMETRY ..... SameNet        :  0 Viols.
  VERIFY GEOMETRY ..... Wiring         :  0 Viols.
  VERIFY GEOMETRY ..... Antenna        :  0 Viols.
  VERIFY GEOMETRY ..... Sub-Area : 1 complete 0 Viols. 0 Wrngs.
VG: elapsed time: 0.00
Begin Summary ...
  Cells       : 0
  SameNet     : 0
  Wiring      : 0
  Antenna     : 0
  Short       : 0
  Overlap     : 0
End Summary

  Verification Complete : 0 Viols.  0 Wrngs.

**********End: VERIFY GEOMETRY**********
 *** verify geometry (CPU: 0:00:00.0  MEM: 61.9M)
```

==========

驗證 Connectivity 結果

```
VERIFY_CONNECTIVITY use new engine.

******** Start: VERIFY CONNECTIVITY ********
Start Time: Tue Apr 18 16:36:26 2017

Design Name: top
Database Units: 1000
Design Boundary: (0.0000, 0.0000) (3000.0000, 3000.0000)
Error Limit = 1000; Warning Limit = 50
Check all nets

Begin Summary
  Found no problems or warnings.
End Summary

End Time: Tue Apr 18 16:36:26 2017
Time Elapsed: 0:00:00.0

******** End: VERIFY CONNECTIVITY ********
  Verification Complete : 0 Viols.  0 Wrngs.
  (CPU Time: 0:00:00.0  MEM: 0.000M)
```

==========

GUI 畫面顯示沒有錯誤產生

- GUI 操作指令 “f” 為畫面置中, “z”為放大, “Z”為縮小, 移動畫面請用鍵盤上的上下左右鍵