

## Design process:

1. Draw the K-map

AB\CD

1	1	1	1
	1		
	1		
1			

Then got the result:  $A'B' + BC'D + B'C'D'$

2. Started coding.

## execution result:

```
u110062224@ic55:~  
Always blocks:      1      1  
Initial blocks:     1      1  
Cont. assignments:  2      2  
Pseudo assignments: 1      1  
Writing initial simulation snapshot: worklib.Fib_tb:v  
Loading snapshot worklib.Fib_tb:v ..... Done  
*Verdi* Loading libsscore_ius152.so  
ncsim> source /usr/cad/cadence/INCISIV/cur/tools/inca/files/ncsimrc  
ncsim> run  
time = 5, in = 0000, out_G = 1, out_D = 1, out_B = 1  
time = 10, in = 0001, out_G = 1, out_D = 1, out_B = 1  
time = 15, in = 0010, out_G = 1, out_D = 1, out_B = 1  
time = 20, in = 0011, out_G = 1, out_D = 1, out_B = 1  
time = 25, in = 0100, out_G = 0, out_D = 0, out_B = 0  
time = 30, in = 0101, out_G = 1, out_D = 1, out_B = 1  
time = 35, in = 0110, out_G = 0, out_D = 0, out_B = 0  
time = 40, in = 0111, out_G = 0, out_D = 0, out_B = 0  
time = 45, in = 1000, out_G = 1, out_D = 1, out_B = 1  
time = 50, in = 1001, out_G = 0, out_D = 0, out_B = 0  
time = 55, in = 1010, out_G = 0, out_D = 0, out_B = 0  
time = 60, in = 1011, out_G = 0, out_D = 0, out_B = 0  
time = 65, in = 1100, out_G = 0, out_D = 0, out_B = 0  
time = 70, in = 1101, out_G = 1, out_D = 1, out_B = 1  
time = 75, in = 1110, out_G = 0, out_D = 0, out_B = 0  
time = 80, in = 1111, out_G = 0, out_D = 0, out_B = 0  
correct  
Simulation complete via $finish(1) at time 80 NS + 0  
./Fib_tb.v:20 $finish;  
ncsim> exit  
[u110062224@ic55 ~]$
```

The problem you faced and how you deal  
with it:

Since I'm not using MobaXterm, I just use cmd to ssh to CAD and it took me a lot of  
time to figure out how to download files from server by using scp.

What have you learned from this lab?

I learned a lot about syntax and ssh/scp commands