

## Laboratory 5

```
PS C:\Users\jesie\OneDrive\Documents\verilog> iverilog -o laboratory5llanes laborat
PS C:\Users\jesie\OneDrive\Documents\verilog> vvp laboratory5llanes
VCD info: dumpfile laboratory5llanes.vcd opened for output.
xxxxxxx
00x000xx
Simulating Half Adder
A=0, B=0, sum=0, carry=0
A=0, B=1, sum=1, carry=0
A=1, B=0, sum=1, carry=0
A=1, B=1, sum=0, carry=1
A=0, B=0, sum=0, carry=0
Simulating Full Adder
A=0, B=0, c_In=0, sum=0, C_out=0
A=0, B=0, c_In=1, sum=1, C_out=0
A=0, B=1, c_In=0, sum=1, C_out=0
A=0, B=1, c_In=1, sum=0, C_out=1
A=1, B=0, c_In=0, sum=1, C_out=0
A=1, B=0, c_In=1, sum=0, C_out=1
A=1, B=1, c_In=0, sum=0, C_out=1
A=1, B=1, c_In=1, sum=1, C_out=1
A=0, B=0, c_In=1, sum=1, C_out=0
Simulating Half Subtract
A=0, B=0, D=0, bOut=0
A=0, B=1, D=1, bOut=1
A=1, B=0, D=1, bOut=0
A=1, B=1, D=0, bOut=0
A=0, B=0, D=0, bOut=0
Simulating Full Subtract
A=0, B=0, bIn=0, D=0, bOut=0
A=0, B=0, bIn=1, D=1, bOut=1
A=0, B=1, bIn=0, D=1, bOut=1
A=0, B=1, bIn=1, D=0, bOut=1
A=1, B=0, bIn=0, D=1, bOut=0
A=1, B=0, bIn=1, D=0, bOut=0
A=1, B=1, bIn=0, D=0, bOut=0
A=1, B=1, bIn=1, D=1, bOut=1
laboratory5llanes.v:107: $finish called at 29 (1s)
PS C:\Users\jesie\OneDrive\Documents\verilog> |
```



