FPGA_Project

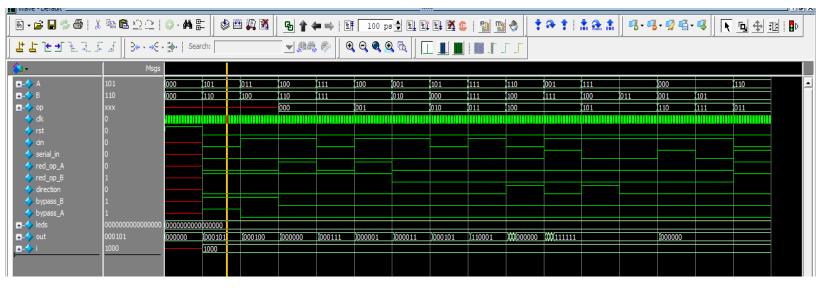
Team: Active_High

Eslam Hekal

Rana Mohamed

Ahmed Maher

• Snippets for ModelSim: -



Transcript

```
# Loading work.ALSU tb
  Loading work.ALSU
  A=000, B=000, bypass_A=x, bypass_B=x, op=xxx, direction=x, red_op_A=x, red_op_B=x, serial_in=x, out=000000
  A=101, B=110, bypass_A=1, bypass_B=1, op=xxx, direction=0, red_op_B=0, red_op_B=1, serial_in=0, out=000000
  A=101, B=110, bypass A=1, bypass B=1, op=xxx, direction=0, red op A=0, red op B=1, serial in=0, out=000101
  A=011, B=100, bypass_A=0, bypass_B=1, op=xxx, direction=0, red_op_A=0, red_op_B=1, serial_in=0, out=000101
  A=011, B=100, bypass_A=0, bypass_B=1, op=xxx, direction=0, red_op_B=0, red_op_B=1, serial_in=0, out=000100
  A=100, B=110, bypass_A=0, bypass_B=0, op=000, direction=0, red_op_A=1, red_op_B=1, serial_in=0, out=000100
  A=100, B=110, bypass A=0, bypass B=0, op=000, direction=0, red op A=1, red op B=1, serial in=0, out=000000
  A=111, B=111, bypass A=0, bypass B=0, op=000, direction=0, red_op_A=0, red_op_B=1, serial_in=0, out=000000
  A=111, B=111, bypass_A=0, bypass_B=0, op=000, direction=0, red_op_A=0, red_op_B=1, serial_in=0, out=000111
A=100, B=111, bypass_A=0, bypass_B=0, op=001, direction=0, red_op_A=1, red_op_B=1, serial_in=0, out=000111
  A=100, B=111, bypass_A=0, bypass_B=0, op=001, direction=0, red_op_A=1, red_op_B=1, serial_in=0, out=000001
  A=001, B=010, bypass A=0, bypass B=0, op=001, direction=0, red op A=0, red op B=0, serial in=0, out=000001 A=001, B=010, bypass A=0, bypass B=0, op=001, direction=0, red op A=0, red op B=0, serial in=0, out=000011
  A=101, B=000, bypass_A=0, bypass_B=0, op=010, direction=0, red_op_A=0, red_op_B=0, serial_in=0, out=000011
  A=101, B=000, bypass A=0, bypass B=0, op=010, direction=0, red op A=0, red op B=0, serial in=0, out=000101 A=111, B=111, bypass A=0, bypass B=0, op=011, direction=0, red op A=0, red op B=0, serial in=0, out=000101
  A=111, B=111, bypass_A=0, bypass_B=0, op=011, direction=0, red_op_A=0, red_op_B=0, serial_in=0, out=110001
  A=110, B=100, bypass A=0, bypass B=0, op=100, direction=1, red op A=0, red op B=0, serial in=0, out=110001
A=110, B=100, bypass A=0, bypass B=0, op=100, direction=1, red op A=0, red op B=0, serial in=0, out=100010
  A=110, B=100, bypass_A=0, bypass_B=0, op=100, direction=1, red_op_A=0, red_op_B=0, serial_in=0, out=000100
  A=110, B=100, bypass A=0, bypass B=0, op=100, direction=1, red op A=0, red op B=0, serial in=0, out=001000 A=110, B=100, bypass A=0, bypass B=0, op=100, direction=1, red op A=0, red op B=0, serial in=0, out=010000
  A=110, B=100, bypass A=0, bypass B=0, op=100, direction=1, red_op_A=0, red_op_B=0, serial_in=0, out=100000
  A=110, B=100, bypass A=0, bypass B=0, op=100, direction=1, red op A=0, red op B=0, serial in=0, out=000000 A=001, B=111, bypass A=0, bypass B=0, op=100, direction=0, red op A=0, red op B=0, serial in=1, out=000000
  A=001, B=111, bypass A=0, bypass B=0, op=100, direction=0, red op A=0, red op B=0, serial_in=1, out=100000
  A=001, B=111, bypass_A=0, bypass_B=0, op=100, direction=0, red_op_A=0, red_op_B=0, serial_in=1, out=110000
  A=001, B=111, bypass_A=0, bypass_B=0, op=100, direction=0, red_op_A=0, red_op_B=0, serial_in=1, out=110000
A=001, B=111, bypass_A=0, bypass_B=0, op=100, direction=0, red_op_A=0, red_op_B=0, serial_in=1, out=111100
  A=001, B=111, bypass_A=0, bypass_B=0, op=100, direction=0, red_op_A=0, red_op_B=0, serial_in=1, out=111110
A=001, B=111, bypass_A=0, bypass_B=0, op=100, direction=0, red_op_A=0, red_op_B=0, serial_in=1, out=111111
A=111, B=100, bypass_A=0, bypass_B=0, op=101, direction=1, red_op_A=0, red_op_B=0, serial_in=0, out=111111
  A=111, B=011, bypass_A=0, bypass_B=0, op=101, direction=0, red_op_A=0, red_op_B=0, serial_in=0, out=111111
A=000, B=001, bypass_A=0, bypass_B=0, op=110, direction=0, red_op_A=0, red_op_B=0, serial_in=1, out=111111
A=000, B=001, bypass_A=0, bypass_B=0, op=110, direction=0, red_op_A=0, red_op_B=0, serial_in=1, out=000000
  A=000, B=101, bypass_A=0, bypass_B=0, op=111, direction=0, red_op_A=0, red_op_B=0, serial_in=0, out=000000
  A=110, B=101, bypass A=0, bypass B=0, op=011, direction=0, red_op_A=1, red_op_B=1, serial_in=1, out=000000 Break in Module ALSU_tb at ALSU_tb.v line 157
  Simulation Breakpoint: Break in Module ALSU tb at ALSU tb.v line 157
```

• ISE: -

