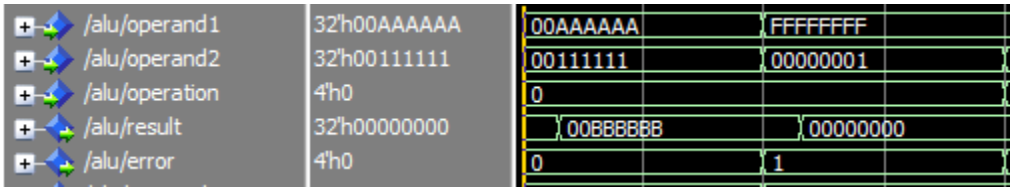
Jack Cwynar

Lab 2 Testing/Simulation Screenshots

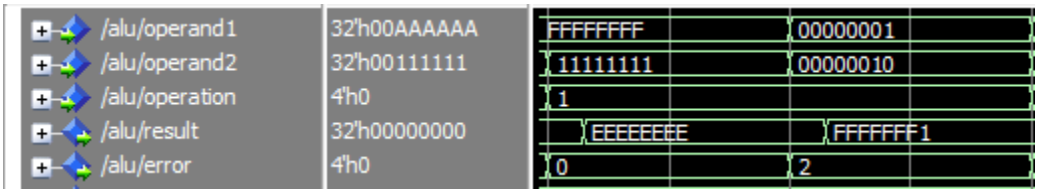
Starting Sim

```
VSIM 105> do Lab2_ALU_Cwynar.do
```

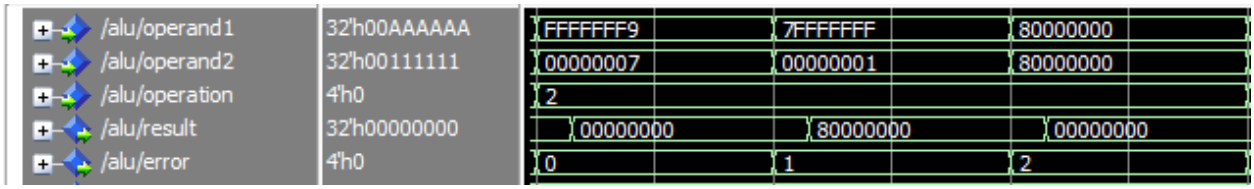
Unsigned Add Tests (normal, overflow)



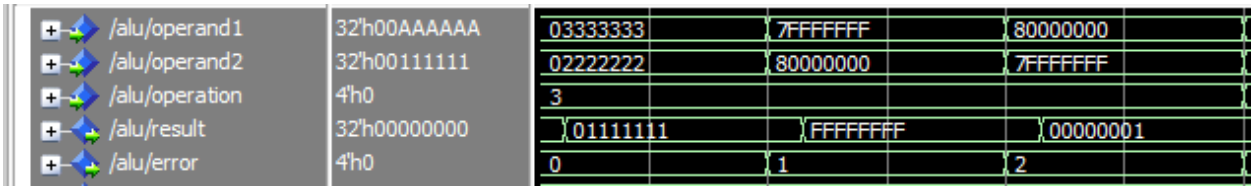
Unsigned Sub Tests (normal, underflow)



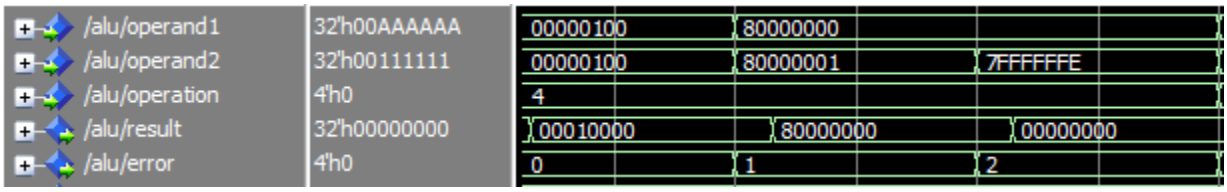
2’s Complement Add (normal, overflow, underflow)



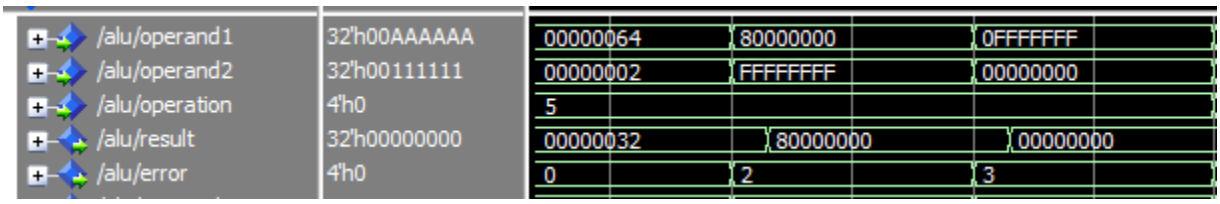
2’s Complement Subtract (normal, overflow, underflow)



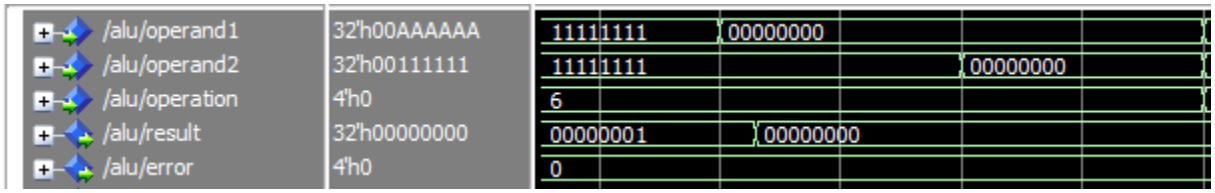
2’s Complement Multiply (normal, overflow, underflow)



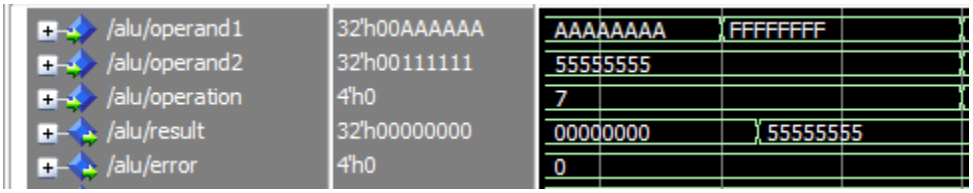
2’s Complement Divide (normal, underflow, divide by zero)



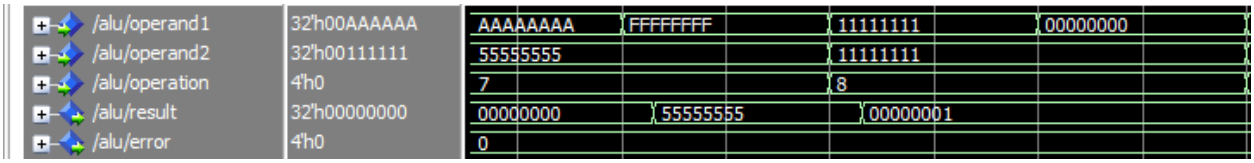
Logical AND (1 AND 1, 0 AND 1, 0 AND 0)



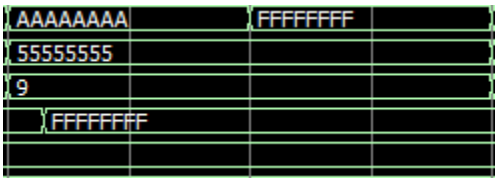
Bitwise AND



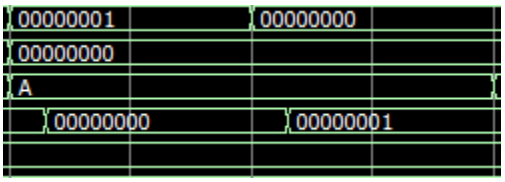
Logical OR (1 OR 1, 0 OR 1)



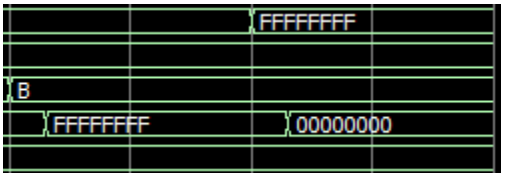
Bitwise OR



Logical NOT of operand1



Bitwise NOT of operand1



Checking “others” (result remains 0 after Bitwise NOT test)