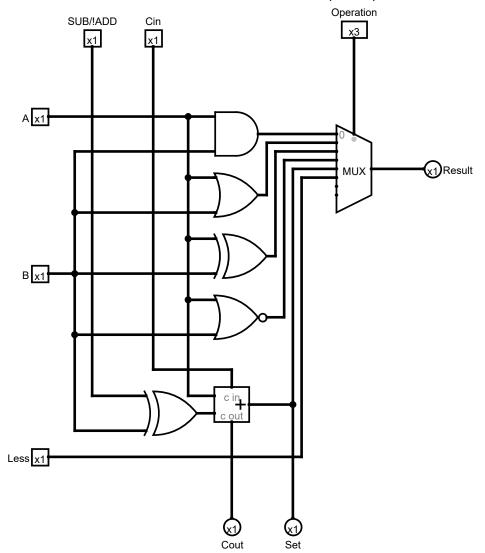# 1 Bit ALU (1 of 1)

SUB/!ADD
x1

Cin
x1

Operation
x3

ALU Operations

000 AND
001 OR
010 XOR
011 NOR
100 ADD/SUB
101 LESS

A x1

0

MUX

x1 Result

B x1

c in
c out
+

Less x1

x1
Cout

x1
Set