

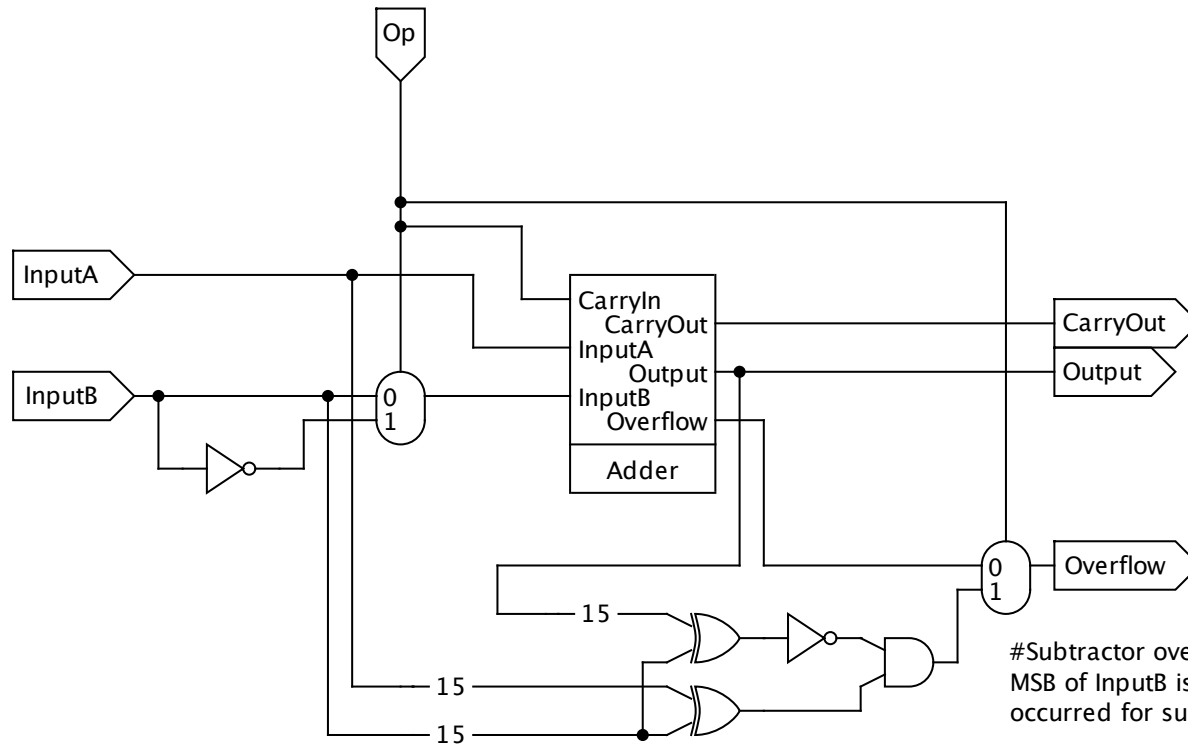
# SignedAddSubtract\_16bit

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*SignedAddSubtract\_16bit.jls*  
Build an ALU using JLS  
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#For addition, use inputA and inputB directly and use Op=0 as CarryIn to Adder

#For subtraction, invert InputB and use Op=1 as CarryIn to Adder



#Subtractor overflow: if MSB of InputA and InputB differ and the MSB of InputB is the same as the MSB of output, then overflow occurred for subtraction