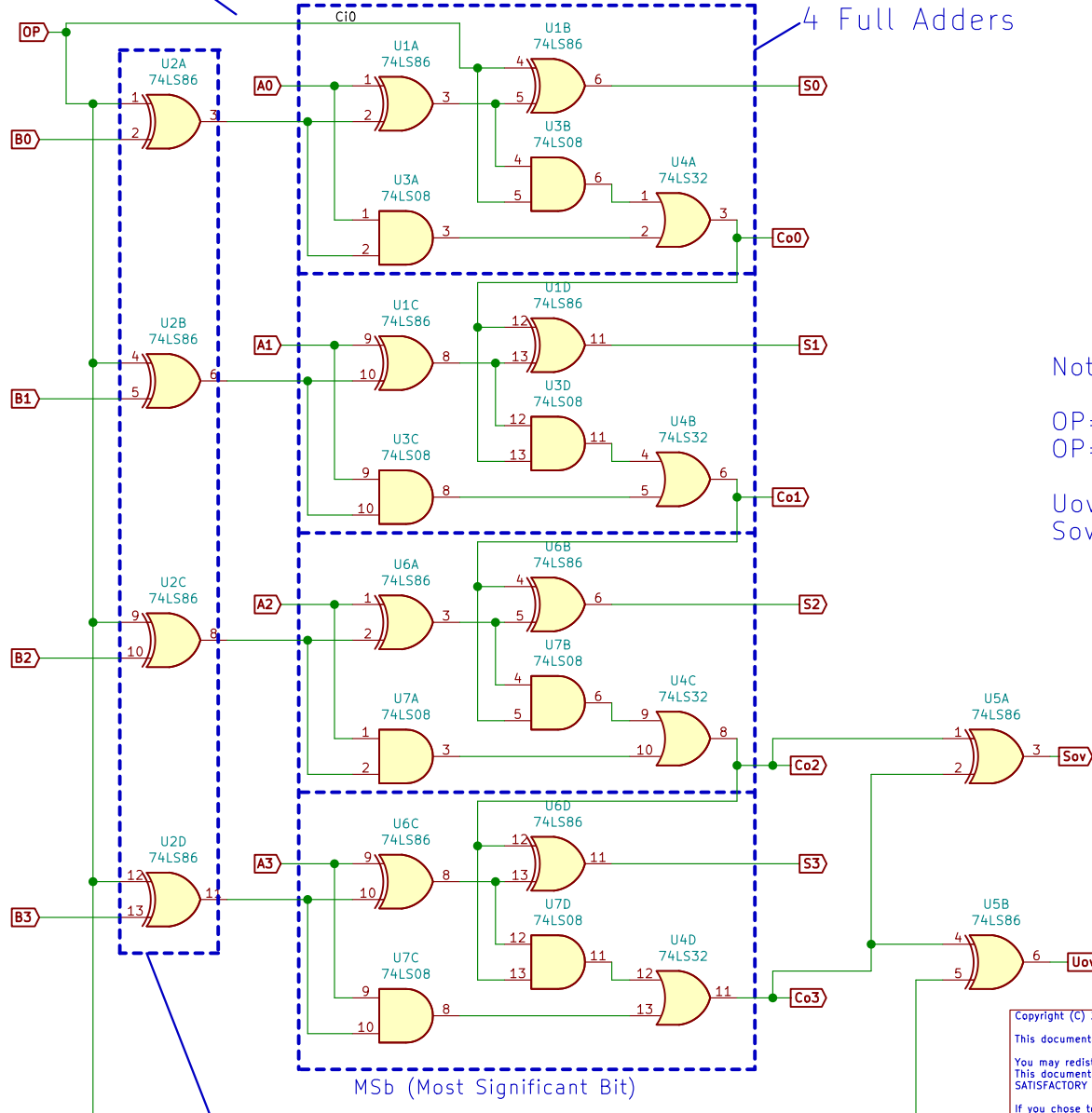


# A "Programmable" Multifunction Adder/Subtractor

Send OP to Ci to add 1 when calculating a difference!

LSb (Least Significant Bit)

4 Full Adders



Notes on usage:

OP=0:  $S = A+B$  (sum)  
OP=1:  $S = A-B$  (difference)

Uov=1: Unsigned overflow  
Sov=1: Signed Overflow

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Sheet: /

File: 11-multifunction.sch

**Title: Multifunction Arithmetic Unit w/Overflow**

Size: USLetter Date: 2020-02-10

KiCad E.D.A. kicad 5.1.5+dfsg1-2build2

Rev: 1

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