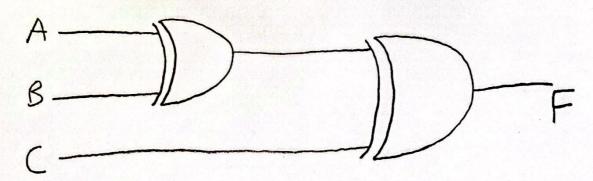
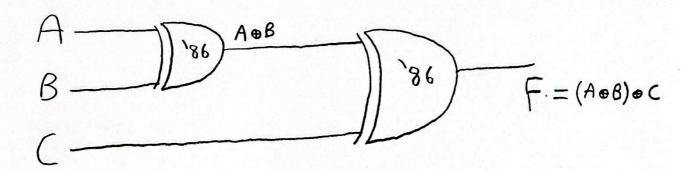
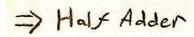
1-) Three input XOR gates using two input XOR gates

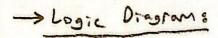
-> Logic Diagram:

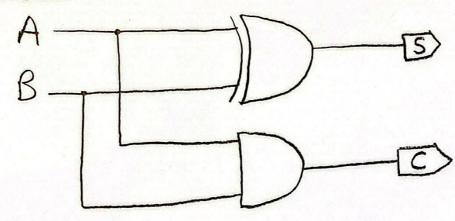


-> Circuit Schematic:

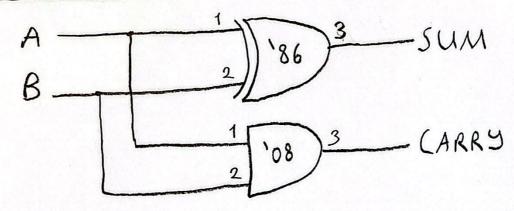








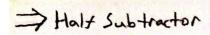
-> Circuit Schematic:



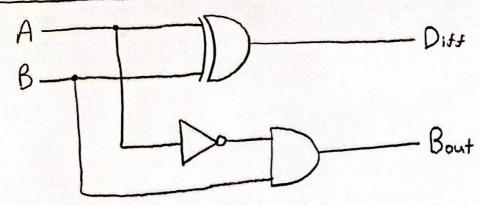
IC List

5 One 74LS86 Quad 2-Input XOR Gate

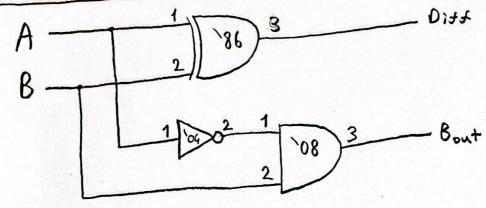
4 One 74LSOB Quad 2- Input AND Gate



-> Logic Diagram:



-> Circuit Schenatiz:



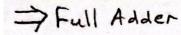
IC List

4 One 74L586 Quad 2-Input XOR Gate

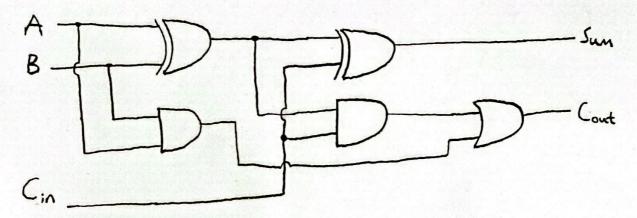
Gone 74LSO4 HEX Inverting Gate

4 ONE 74 LSO8 Quad 2-Input AND Gate

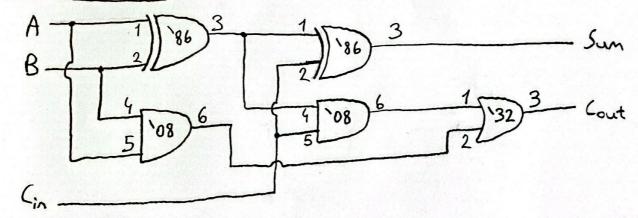
$$\frac{*741586}{4600-7}$$
 $\frac{*741508}{4600-7}$ $\frac{*741508}{4600-7}$ $\frac{*741508}{4600-7}$ $\frac{*741508}{4600-7}$ $\frac{*741508}{4600-7}$ $\frac{*741508}{4600-7}$



-> Logic Diagram:

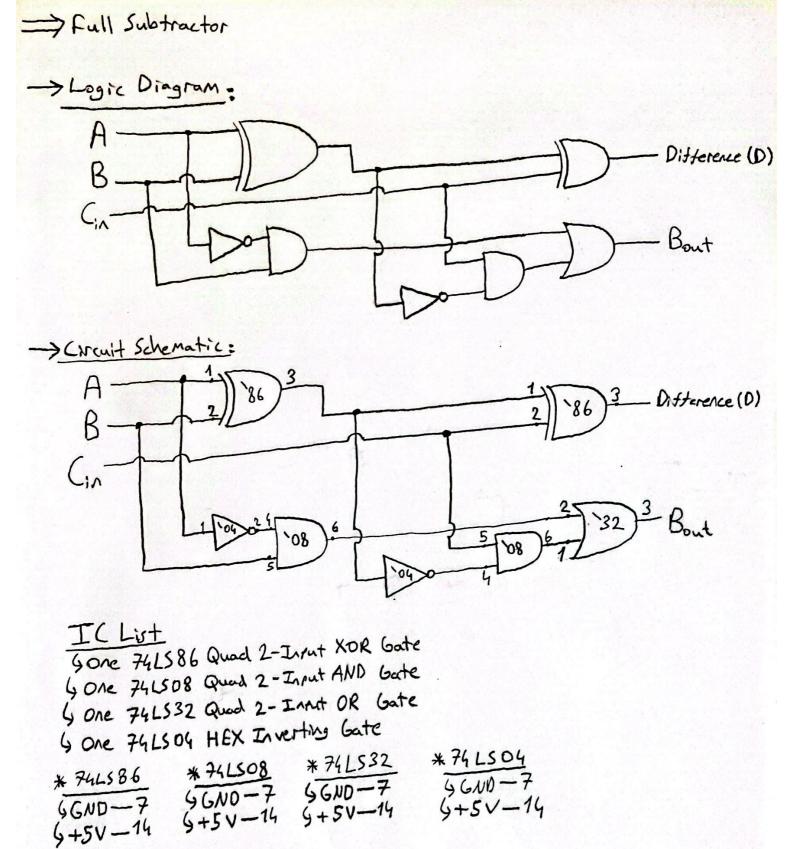


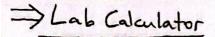
-> Circuit Schematic:

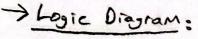


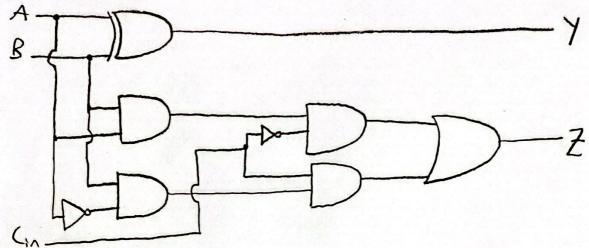
IC List

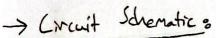
40re 74L586 Quad 2-Input XOR Gate 40re 74L508 Quad 2-Input AND Gate 40re 74L532 Quad 2-Input OR Gate

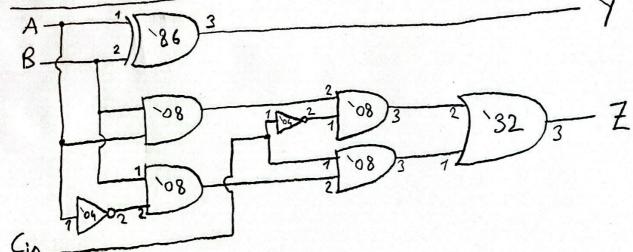












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4 One 74LS86 Quad 2-Input XOR Gate 4 one 74 LSOB Quad 2- Input AND Gate 4 one 74L532 Quad 2-Input OR Gate 4 One 74LSO4 HEX Inverting Gate

* 74L532 * 74L508 * 74L536 4 GNO -7 46ND-7 56ND-7 6+5V-14 4+5V-14 4+5V-14 4+5V-14