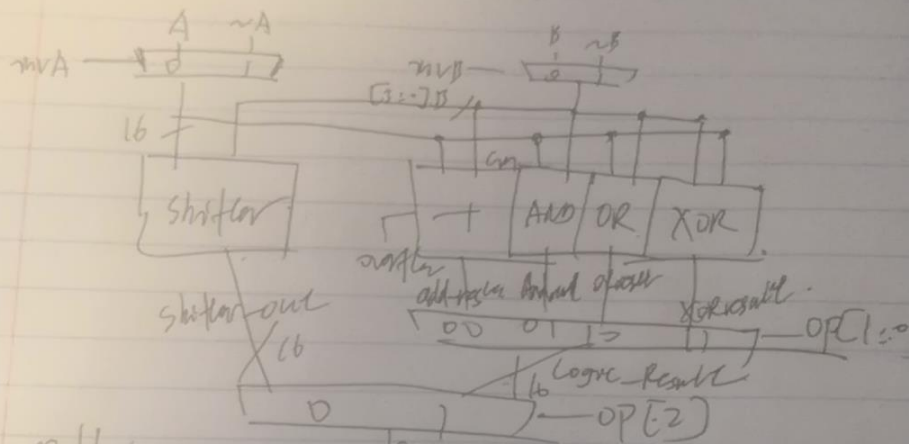


ALU 100 A+B 110 A*B
 101 A-B AND B 111 A XOR B



$OP[1:0] = \overline{A(15)} \cdot \overline{B(15)} \cdot \overline{A(15)} \cdot B(15) + A(15) \cdot \overline{B(15)} \cdot A(15) \cdot \overline{B(15)}$
 Zero

0 1
 0 1 P - shift out
 0 1 - Logic Result
 Zero