a < b -> a - b < 0 -> use sign bit. a[N] == b[N] -> use sign bit of a-b a [N]!= b[N] -> un sign of a final logie. -> al (a[N-1] b[N-1]) & a[N-1] (a[N-1]~ b[N-1]) d sum[N-1] adder (a, b, Cin, cont, sum) To subtract, invert one input and set carry in high. - adder (a, ~b, 1'b1, cout, sum)





