Arithmatic logic unit

Expected results

A = 000000010100011000000011010010001 = 21366417

B = 00000000000000000000000000011110 = 30

Not B = 4294967265 = -31 signed

Expected Results:

A: A = 21366417

B: A + 1 = 21366418

C: A + B = 21366447

D: A + B + 1 = 21366448

E: A + notB = 21366386

F: A + notB + 1 = 21366387

G: A – 1 = 21366416

H: A = 21366417

I: A and B = 00000000000000000000000000010000 = 16

J: A or B = 000000101000110000001101001 1111 = 21366431

K: A xor B = 000000010100011000000011010001111 = 21366415

L: not A = 11111110101110011111100101101110 = -21366418