2 bit half adder

**Truth table:**

a b x y

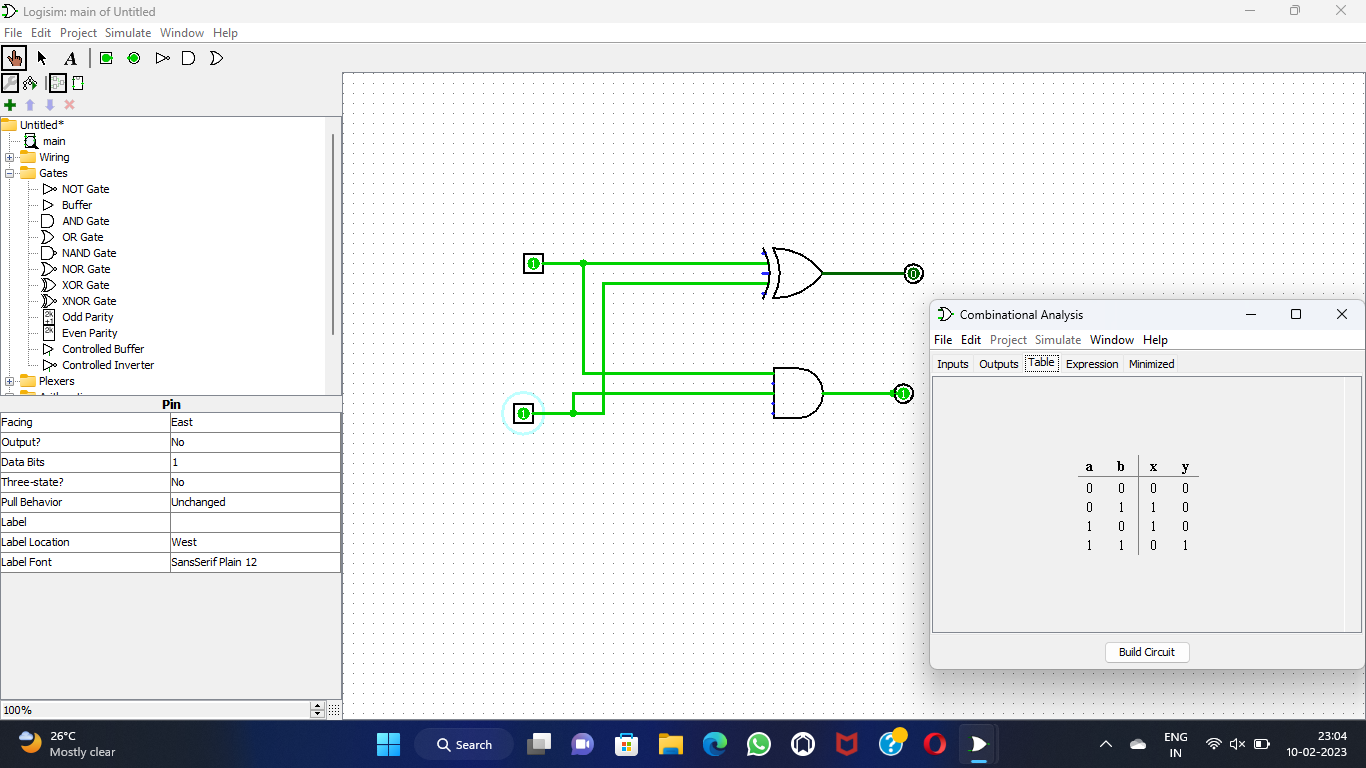
0 0 0 0

0 1 1 0

1 0 1 0

1 1 0 1

**Output:**

****