# Not very important

12 & 3 12🡪1100 (AND)

3🡪 0011

& means both should be true than true

0000

12 | 3 12🡪1100 (OR)

3🡪0011

| means anyone should be true than true

1111

7 ^13 7🡪0111 (XOR)

13🡪1101

^ if both is equal than result is 0 or else 1

1010

~5 5🡪0101

Than ~5🡪1010

4 << 1 4🡪0100 (Left shift)

Remove left hand side bit and add 0 to the right hand side bit

100 0

5<<2 5🡪0101

Remove 2 bits from LHS and add 2 zero from RHS

4 >> 1 (Right Shift)