2-input and 3-input AND gates give output 1 when all inputs are 1, else it give output 0.

2-input and 3-input OR gates give output 0 when all inputs are 0, else they give output 1.

NOT gate gives output 1 when input is 0, else it gives output 0.

2-input and 3-input XOR gates give output 0 if even number of 1s are input, else they give output 1.

2-input and 3-input XOR gates give output 0 if odd number of 1s are input, else they give output 1.