→ XOR (^) operator :                                                    42

$$1 \quad 0 \longrightarrow 1 \qquad\qquad 0 \quad 0 \longrightarrow 0$$
$$0 \quad 1 \longrightarrow 1 \qquad\qquad 1 \quad 1 \longrightarrow 0$$

**NOTE:** XOR of two same numbers is 0, $(x^\wedge x == 0)$

e.g: $5^\wedge 5 \Rightarrow$
$$\begin{array}{r} 101 \\ ^\wedge\ \underline{101} \\ \underline{000} \end{array}$$

XOR of a number with 0, gives the same no. $(x^\wedge 0 == x)$

e.g: $5^\wedge 0 \Rightarrow$
$$\begin{array}{r} 101 \\ ^\wedge\ \underline{000} \\ \underline{101} \end{array}$$