

## Switches and Bulbs



The Truth Table
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## X1 AND X2




## X1 OR X2


(4) Deparment of fee, buet



## NOT X1



You Can Represent the NOT Operation with "!" or "-" (overhead bar)
(4) Deparment of EEE, buet

## Exercise 1: Write the Function




Exercise 3: Write the Function

(9) Dcpartment of EEE, BUET

Exercise 2: Write the Function

$\mathrm{L}(\mathrm{x} 1, \mathrm{x} 2, \mathrm{x} 3, \mathrm{x} 4)=(\overline{\mathrm{x} 1}+\overline{\mathrm{x} 2}) \cdot \mathrm{x} 3 . \mathrm{x} 4$
(-) Departmen of EEE, BUET

## Exercise 4: Write the Function


(4.) Deparmenen of EEE, BUET

## That's All for Today!

Learn Proteus
Simulate the switch-bulbs at home ()

