

ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT)

ORGANISATION OF ISLAMIC COOPERATION (OIC)

Department of Computer Science and Engineering (CSE)

Course: 4108, Lab Task 7-2b

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**Task 1:** Define a function which checks the board game of Tic-Tac-Toe to see who won.

**Input:** An integer **n** which is the number of boards to be given as input. A Tic-Tac-Toe board has the size of 3×3. Each input board is separated by a newline.

**Output:** If 'x' wins print "X wins", otherwise print "O wins". For each case, print the case number with it. For output format, check the sample Input and Output below.

Sample Input	Sample Output
2 XOX XXO XOO  OXX OOX OXO	Case 1: X wins Case 2: O wins

**Task 2:** Define a function which checks the board game of variable Tic-Tac-Toe to see who won.

**Input:** An integer **n** which is the number of boards to be given as input. This will be followed by an integer **m**, which is the size of the board. Each Tic-Tac-Toe board will have a square shape (**m**×**m**).

**Output:** If 'x' wins print "X wins", otherwise print "O wins". For each case, print the case number with it. For output format, check the sample Input and Output below.

Sample Input	Sample Output
2 3 XOX XXO XOO 4 OXXX OOXO OXOO OXXX	Case 1: X wins Case 2: O wins