

CS/Math 278
Lab1: Truth tables
Due on Wednesday 09-02-2009 by 5:00pm

Look at the exercise 4.2 from Section 4 of the truth project. To create a truth table one starts with a blank table like the following:

Y X		
	T	F
T		
F		

Each one of the four blank squares can be filled by either T or F. The four blank squares can be filled-in in many different ways which results in many different truth tables.

Below are two examples of different ways of filling in the table:

1)

Y X		
	T	F
T	F	T
F	T	T

2)

Y X		
	T	F
T	F	F
F	F	F

Two tables are the same when all corresponding cells in the two tables have the same values.

Write a Java program that prints out in a neat format all the possible truth tables with two input variables(X, Y).