

BUBT INTRA-UNIVERSITY PROGRAMMING CONTEST SPRING 2017(DIVISION 2)

## Finished

THE CONTEST HAS ENDED.

# A. Hire Them All

Score: 1

CPU: 2s  
Memory: 512MB

The A team is recruiting. The old team is not strong enough anymore, so they want to build a new "The A Team". For this they published an advertisement in the daily newspaper and many candidates applied including boys and girls. After analyzing the CVs the interview team selected some candidates. But suddenly a big problem occurred. Some boys and girls were found who used to date each other. So now if they are put into the team, they can quarrel and hence the team can be harmed. The board does not want that. So they want to reject some of these candidates so that there can be no quarrel in the team and also the number of member in the team is maximized.

## INPUT

The first line consists of  $T \leq 50$ , the number of test cases. Each case starts with three integers, N (Number of boys), M (Number of girls) and K. Boys are numbered from 0 to N-1 and girls are numbered from N to N+M-1. K line follow each with two integers X and Y, where X is a boy and Y is girl and the line means they were dating before and broken up.

## LIMITS

 $1 \leq N+M \leq 500$  $0 \leq K \leq N*M$ 

## OUTPUT

For each case output one line "**Case T: V**" where T is the number of test cases and V is the number of members of the team.

## Sample

Input	Output
1 3 3 2 0 3 0 4	Case 1: 5

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