

Naïve Subset Sum

The Problem

Given a set of numbers and a target, is it possible to find a subset of the numbers which adds up to the target?

The Input

The first line of input will be a number on a line by itself which is the number of test cases to run. For each test case, the first line will have two numbers. The first number, N ($1 \leq N \leq 14$), is the number of numbers in the set. The second number, T ($0 \leq T \leq 1,000,000$) is the target.

The next line will consist of N integers which comprise the numbers in the set.

The Output

For each data set there is one line of output. Output **possible**, if it is possible to find a subset of numbers that adds up to the target. Otherwise, output **not possible**.

Sample Input	Sample Output
2	possible
6 17	not possible
1 2 6 8 20 32	
6 100	
1 2 6 8 20 32	