

# Pondo Sums

time limit per test: 1 second  
memory limit per test: 256 megabytes  
input: standard input  
output: standard output

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## Problem Statement

You are given some positive integers, you are told how many of each different integer you have. You are also given an integer  $k$ , determine the different integers under or equal to  $k$  that you can make by summing up some subset of these integers (pick some and leave the others).

## Input Format

Your first line will contain two space-separated integers  $n$  and  $k$ , where  $n$  is the number of **unique** integers you have (and  $k$  is the same as in the problem statement). Your next  $n$  lines will contain two integers each  $a_i$  and  $b_i$ , meaning that you have  $b_i$  many of the number  $a_i$ .

## Output Format

Output a single line, containing all the numbers under or equal to  $k$  that can be formed by summing some of the integers together.

## Constraints

- $1 \leq n, k, a_i \leq 1000$
- $1 \leq b_i \leq 10^9$

## Sample Cases

### Input 1

```
1 100
20 1
```

### Output 1

```
20
```

### Input 2

```
2 60
20 3
5 1
```

### Output 2

```
5 20 25 40 45 60
```