

## © Objectif

Michelle got a job as a teacher at the university. Michelle teaches in the same auditorium with another teacher, but she has forgotten where this auditorium is. Michelle knows how many students she has in the group **a** and how many auditoriums **b** are in the university, their capacity **c** and how many students are inside **d**.

Print the 1-indexed room numbers for the rooms that have space for her students.

## Entrée

**Line 1:** An integer number **a** of students in Michelle's group

**Line 2:** An integer number **b** of auditoriums in the university.

**Next **b** lines:** Two space separated integers **c** and **d** for the capacity of each auditorium and the number of students inside

## Sortie

**Multiple lines:** The numbers of the auditoriums that can accommodate a Michelle's group of students

**If** there are no free auditoriums, print **"No free"**

## Contraintes

$$10 \leq \mathbf{a} \leq 60$$

$$1 \leq \mathbf{b} \leq 100$$

$$30 \leq \mathbf{c} \leq 100$$

$$0 \leq \mathbf{d} \leq \mathbf{c}$$