

Shopping for tea

A store registers all the purchases of tea. They note the brand and amount of tea that was bought.

Write a program that gives us the index of the largest amount of tea purchase.

Input

The first line of the *standard input* contains the count of purchases ($1 \leq N \leq 100$). The following $2 \cdot N$ lines contain the data of each purchase: first the brand name and then the amount ($1 \leq A \leq 2000$) of tea on the next line. The brand names consist of at most 20 characters and do not contain spaces.

Output

The first line of the *standard output* should contain the index of the largest amount of tea purchase (if there is more than one solution, give the one with the smallest index).

Example

<i>Input</i>	<i>Output</i>
6	4
Lipton	
200	
Teekanne	
100	
Lipton	
600	
Lipton	
800	
Pickwick	
200	
Greenfield	
800	

Limits

Time limit: 0.1 second

Memory limit: 32 MB

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