Plane ticket to go far far away

A travel agency stores how much the plane tickets to cities being different distances away cost.

Write a program that gives the price of the plane ticket to the farthest city.

Input

The first line of the *standard input* contains the count of cities ($1{\leq}N{\leq}100$). The next N lines contain the distance of a city ($1{\leq}D{\leq}20\,000$) and the price of the plane ticket ($1{\leq}P{\leq}2\,000\,000$) each.

Output

The first line of the *standard output* should contain the price of the plane ticket to the farthest city (if there is more than one solution, you should give the cheapest).

Example

Input	Output
6	30000
50 30000	
1900 200000	
2000 150000	
900 38000	
600 150000	
2100 30000	

Limits

Time limit: 0.1 second

Memory limit: 32 MB

Evaluation: In 40% of tests, the count of data is ≤ 20