Problem D: <u>Endemic Pandemics</u>

Description

It is unfortunate that in one of these parallel universes, such pandemics like COVID-19 occur so frequently and sometimes up to 5 times in a decade. You are given a dataset of all the pandemics that occurred in the universe in recorded history. Sort the dataset in the order of how deadly the pandemics are. For pandemics with the same fatality, the pandemic that occurred first should appear first in the list.

Input

The first line of the dataset contains the total number of pandemics (3 <= N <= 1,000,000) recorded. The following **N** lines contain records of the pandemics. Each line contains data for a single pandemic consisting of the pandemic's codename (not exceeding 10 characters) and total number of fatalities separated by space (fatalities do not exceed 1,000,000).

Output

Print out the sorted dataset in **N** lines, where each line contains the data for a single pandemic (pandemic's codename and total number of fatalities separated by space).

NB: *Kindly note that your solution will be run at least five times. Each time, it will be tested against a different set of input. The first few test cases are given below to help you check your solution. The remaining tests can be seen from the contest page for this problem or the results page after you submit your solution*.

Test 1

Input	Output
3 COVID-2019 34532 COVID-2005 453 COVID-2105 523245	COVID-2105 523245 COVID-2019 34532 COVID-2005 453

Test 2

Input	Output
5 COLOOP-1932 8000 COLOOP-1598 52345 COLOOP-1623 8000 COLOOP-1765 1234 COLOOP-1950 4987	COLOOP-1598 52345 COLOOP-1623 8000 COLOOP-1932 8000 COLOOP-1950 4987 COLOOP-1765 1234