Team forming contest 5 - 2013 batch

1:56:19   5:00:00

| Overview | Problem | Status | Rank (99971) |

| A | B | C | D | E | F | G | H | I | J |

H - Devices

Time Limit:1000MS   **Memory Limit:**65536KB   **64bit IO Format:**%I64d & %I64u

Submit   Status

Description

Students of the Department of Mathematics and Mechanics enjoy buying modern devices. Not having much money, they buy new devices rarely but expertly. They trust their friends' opinion and choose a device of the type that the greatest number of their friends have. If there are several such devices, the students choose the cheapest of them. Student Ilya is no exception. He has questioned his six friends and now wants to choose a new device according to the above rule. Note that the friends could buy the same device in different places at different prices, and Ilya can buy this device at the smallest price.

Input

The input contains descriptions of devices of six friends. Each description is in three lines. You are given the name of a friend in the first line, the name of this friend's device in the second line, and the price of the device in the third line.
All the words are strings of size from 1 to 20 characters. The friends' names contain only lowercase English letters, and the names of the devices consist of lowercase English letters and digits. The price is an integer from 1 to 10^6. The names of the friends may coincide.

Output

In the only line output the name of the device in possession of the greatest number of friends. If there are several such devices, output the name of the cheapest of them. If there are again several such devices, output the name of any of them.

Sample Input

input	output
oleg nexus4 13000 kirill kurtka 20000 den nexus4 12000 nikita htc 10000 mikhail nexus4 14000 alexey htc 9500	nexus4