

In the popular show "Dinner for Five", five contestants compete in preparing culinary delights. Every evening one of them makes dinner and each of other four then grades it on a scale from 1 to 5.

The number of points a contestant gets is equal to the sum of grades they got. The winner of the show is of course the contestant that gets the most points.

Write a program that determines the winner and how many points they got.

INPUT

Five lines, each containing 4 integers, the grades a contestant got.

The contestants are numbered 1 to 5 in the order in which their grades were given.

The input data will guarantee that the solution is unique.

OUTPUT

Output on a single line the winner's number and their points, separated by a space.

EXAMPLES

input 5 4 4 5 5 4 4 4 5 5 4 4 5 5 5 4 4 4 4 5 output 4 19	input 4 4 3 3 5 4 3 5 5 5 2 4 5 5 5 1 4 4 4 4 output 2 17
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