

Problem A. Family

Input file: **standard input**
Output file: **standard output**
Time limit: 1 second
Memory limit: 256 megabytes

The friends of Vus the Cossack: Fedir and Ksenia — twins in a large family.

One day, during a lunch break, Vus asked the twins to tell something about their family. Fedir said that he has b_1 brothers and s_1 sisters, while Ksenia has b_2 brothers and s_2 sisters.

Vus the Cossack remembered these four numbers, but he forgot who among the twins answered first.

That is, remembering that four numbers b_1, s_1, b_2, s_2 were mentioned, he is not sure whether b_1, s_1 is Fedir's answer or Ksenia's. However, he is sure that b_1 and b_2 denote brothers, while s_1 and s_2 denote sisters.

Vus became curious about how many brothers and sisters there are in their family in total, so with these four numbers, he turned to you for help.

Input

The first line contains four integers b_1, s_1, b_2, s_2 ($0 \leq b_i, s_i \leq 20$; $|b_1 - b_2| = 1$; $|s_1 - s_2| = 1$) — the responses of the twins.

It is guaranteed that a solution exists.

Output

In a single line, output two integers — the number of brothers and sisters in the family, respectively.

Examples

| standard input | standard output |
|----------------|-----------------|
| 1 5 2 4 | 2 5 |
| 10 6 9 7 | 10 7 |