Problem F. Medium Number

Time limit   1000 ms
Mem limit   262144 kB

Given three **distinct** integers a, b, and c, find the medium number between all of them.

The medium number is the number that is neither the minimum nor the maximum of the given three numbers.

For example, the median of $5, 2, 6$ is 5, since the minimum is 2 and the maximum is 6.

Input

The first line contains a single integer t ($1 \leq t \leq 6840$) — the number of test cases.

The description of each test case consists of three **distinct** integers a, b, c ($1 \leq a, b, c \leq 20$).

Output

For each test case, output a single integer — the medium number of the three numbers.

Examples

Input	Output
9 5 2 6 14 3 4 20 2 1 1 2 3 11 19 12 10 8 20 6 20 3 4 1 3 19 8 4	5 4 2 2 12 10 6 3 8