

SO SIMPLE!!!

After he got tired of rotating tables, the professor gave **RK** another problem. He wrote two integers, **A** and **B**, on the blackboard and asked him to add them.

RK is never wrong with his calculation, but sometimes he doesn't copy the numbers correctly. The only mistake he ever makes is copying a '5' as a '6', and viceversa.

Given two numbers, **A** and **B**, calculate the minimum and the maximum sum **RK** could possibly get.

INPUT

First line of Input contains no. of test cases T ($T \leq 100$).

Each test case contains one line having two positive integer **A** and **B** ($1 \leq A, B \leq 10^6$).

OUTPUT

For each test case print two space separated integers, minimum and maximum sum **RK** could get.

SAMPLE

Input

2

11 25

16796 58786

Output

36 37

74580 85582