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ADDREV - Adding Reversed Numbers

#simple-math (/problems/tag/simple-math) #ad-hoc-1 (/problems/tag/ad-hoc-1)

The Antique Comedians of Malidinesia prefer comedies to tragedies. Unfortunately, most of the ancient plays are tragedies. Therefore the dramatic advisor of ACM has decided to transfigure some tragedies into comedies. Obviously, this work is very hard because the basic sense of the play must be kept intact, although all the things change to their opposites. For example the numbers: if any number appears in the tragedy, it must be converted to its reversed form before being accepted into the comedy play.

Reversed number is a number written in arabic numerals but the order of digits is reversed. The first digit becomes last and vice versa. For example, if the main hero had 1245 strawberries in the tragedy, he has 5421 of them now. Note that all the leading zeros are omitted. That means if the number ends with a zero, the zero is lost by reversing (e.g. 1200 gives 21). Also note that the reversed number never has any trailing zeros.

ACM needs to calculate with reversed numbers. Your task is to add two reversed numbers and output their reversed sum. Of course, the result is not unique because any particular number is a reversed form of several numbers (e.g. 21 could be 12, 120 or 1200 before reversing). Thus we must assume that no zeros were lost by reversing (e.g. assume that the original number was 12).

Input

The input consists of N cases (equal to about 10000). The first line of the input contains only positive integer N . Then follow the cases. Each case consists of exactly one line with two positive integers separated by space. These are the reversed numbers you are to add.

Output

For each case, print exactly one line containing only one integer - the reversed sum of two reversed numbers. Omit any leading zeros in the output.

Example



Sample input:

```
3
24 1
4358 754
305 794
```

Sample output:

```
34
1998
1
```

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abdo_farah (/users/abdo_farah): 2020-02-04 15:49:28
AC in one go ,EZ



shammianand (/users/shammianand): 2020-01-19 12:39:10
AC in 1st attempt!! Nice.



sandipan2224 (/users/sandipan2224): 2019-12-02 18:04:02
AC in 1st attempt!!! wohoo



legion0retr0 (/users/legion0retr0): 2019-10-27 11:42:26
Looks like sample IO is wrong for second case !



karan_takalkar (/users/karan_takalkar): 2019-10-12 06:28:38
solved it with string stream!!



deerawat (/users/deerawat): 2019-09-12 20:07:04
finally solved my first problem in spoj.....in 3rd go



tuleaux (/users/tuleaux): 2019-08-09 17:06:35
AC in one go hehe

Feedback





bose_ftw_1 (/users/bose_ftw_1): 2019-08-08 03:59:22

was doing in c++.... scratched my head as to why WA was refecting.... always try to make sure you cout an endl after every test case even if it isn't explicitly mentioned.




bhavyaa_08 (/users/bhavyaa_08): 2019-07-16 23:17:42

whats the range of input



math_man00 (/users/math_man00): 2019-06-30 23:40:56

Last edit: 2019-06-30 23:46:35

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UTM_SOURCE=WWWSPOJCC


Added by: adrian (/users/adrian)
Date: 2004-06-06
Time limit: 5s
Source limit: 50000B
Memory limit: 1536MB
Cluster: Cube (Intel G860) (/clusters/)
Languages: All
Resource: ACM Central European
Programming Contest,
Prague 1998

Feedback



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Feedback

