**Antique Comedians of Malidinesia’s Project**

**Test Documentation**

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# Introduction

The Antique Comedians of Malidinesia prefer comedies to tragedies. Therefore, the dramatic advisor of ACM has decided to transform some tragedies into comedies. The basic sense of the play must be kept intact, but all the elements of the play 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.

A 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, not 0021). Also note that the reversed number never has any trailing zeros (e.g. 0021 gives 12, not 12.00).

# Objectives and Tasks

# 2.1 Objective

Create a system to add two reverse numbers and output their reversed sum.

# 2.2 Tasks

* The first line of the input contains only positive integer N(Indicating number of cases). Then followed by the cases. Each case should consist of exactly one line with two integers separated by space. These are the reversed numbers to be added.
* Keeping in mind, any particular number is a reversed form of several numbers (e.g. 21 could be 12, 120 or 1200 before reversing). It was assumed that no zeros were lost by reversing (e.g. assumed that the original number was 12).
* For each case, exactly one line containing only one integer is printed- the reversed sum of two reversed numbers. Any leading zeros in the output is omitted. 0 is printed if nothing’s to be printed.

# Test Cases

IMPORTANT: First line of input is the number of cases being passed and followed by the cases.

Example:

Input : 2 🡪 Number of cases

34 57 🡪 Case 1

145 98 🡪 Case 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case No. | Description | Input | Expected Output | Actual Output | Pass/Fail |
| 1 | Passing valid input. | 3  24 1  4358 754  305 794 | 34  1998  1 | 34  1998  1 | Pass |
| 2 | Passing a case with single integer | 2  24  4358 754 | 0  1998 | 0  1998 | Pass |
| 3 | Passing a case with characters instead of the first integer | 2  hello 1  4358 754 | 0  1998 | 0  1998 | Pass |
| 4 | Passing a case with characters instead of second integer | 2  24 1  4358 hello | 34  0 | 34  0 | Pass |
| 5 | Passing a case with alphanumeric instead of  first integer | 3  24 1  43Hi 754  305 794 | 34  0  1 | 34  0  1 | Pass |
| 6 | Passing a case with alphanumeric instead of second integer | 3  24 1  4358 754  305 7Hi | 34  1998  0 | 34  1998  0 | Pass |
| 7 | Passing multiple invalid cases | 9  24 1  Hello 754  305 Hi  2hjf 9869  123 097gs  123 78  876 479  213 875\*  21$# 67( | 34  0  0  0  0  804  2561  0  0 | 34  0  0  0  0  804  2561  0  0 | Pass |
| 8 | Passing multiple valid cases | 10  8724 8621  42 218  213 9782  12754 97  1275 89  654 80  1200 2300  870 11  8000 9000  53 970 | 6455  638  1913  854  9185  464  35  98  71  411 | 6455  638  1913  854  9185  464  35  98  71  411 | Pass |