

1 John's Test

John is a new teaching assistant at a reputed University. His Professor has assigned him the task of creating a Multiple Choice Question test to give his students. John tried his best to make the testing methodology as interesting as possible. The test consists of M questions numbered 1 through M. In each question, students may choose one out of four choices: A,B,C and D, or leave the question unanswered.

Correctly answering a question gives student 1 point. Not answering a question or answering it wrong gives the student zero points.

There is also a penalty for wrong answers. The questions are graded one by one from question 1 to question M; for each $j(1 \leq j \leq M - 1)$, if students answered the j-th question incorrectly, his/her answer to the next question (the (j+1)-th question) is discarded without being graded. If an answer is discarded, student gets 0 points for it, but even if it was wrong, the next answer is not discarded. There is no penalty for answering the last question incorrectly or for not answering a few questions.

You are provided with the correct answers to all M questions and student's answers. Find/calculate the total number of points Student scored on the exam.

Input:

- The first line contains a single string Str with length L. For each valid j, the j-th character of this string denotes the correct answer to the j-th question.
- The second line contains a single string P with length L. For each valid j, the j-th character of this string is 'N' if student did not answer the j-th question; otherwise, it denotes Student's answer to this question.

Output:

- For each test case, print a single line containing one integer — Student's score.

Str contains only characters 'A', 'B', 'C', 'D'

P contains only characters 'A', 'B', 'C', 'D', 'N'

KMIT – NIRANTAR FS

Season-1

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Programming Assignments

Tuesday 17th-Sept 2019

Input/Output

Input	Output	Comments
4 ABCC ABCC	4	<ul style="list-style-type: none">• First line 4 indicates(M) no of questions• Second Line ABCC represents correct answers for each question.• Third Line ABCC represents answers given by student• Student's answers were all correct, so he got a full score.
8 CCCABCCA CNCBBBBBA	3	<ul style="list-style-type: none">• Student did not answer question 2('N' denotes unanswered question) and he answered questions 4 and 6 incorrectly, which resulted in discarding answers to questions 5 and 7.• Note that even though Student's answer to question 7 was wrong, it was discarded, so it did not result in discarding his answer to question8.
3 ABB NBC	1	<ul style="list-style-type: none">• Student did not answer the first question and he answered the last question incorrectly, but there is no penalty for that.
4 ABCD ABCD	-1	<ul style="list-style-type: none">• The number of answers and the length of the correct answers /student answers do not match

2 Target This

In a match of cricket, the scores of each of the batsmen are recorded. You are to find out if the combined score of any two batsmen equal to the target score (t_score) set by the coach.

Note: You can assume that each input has just one set (2 scores) as solution. And you must not use the same score twice.

Limitations-

1<=batsman<=100

1<=scores<=100

1<=target<=100

Input/Output

Input	Output	Comments
5 33 2 3 45 11 22	3 4	<ul style="list-style-type: none"> First line takes the number of batsmen who played the match Second line takes the target Third line takes the scores of the batsmen Because batsman[3] + batsman [4] =11 +22 =33, it should return [3, 4].
3 12 12 6 6	1 2	<ul style="list-style-type: none"> First line takes the number of batsmen who played the match Second line takes the target Third line takes the scores of the batsmen Because batsman[1] + batsman [2] =6 +6 =12, it should return [1, 2].
4 6 4 5 4 6	-1	<ul style="list-style-type: none"> None of the combination leads to the target it should return -1.