



# STUDENT REPORT

## DETAILS

Name

SHAGUFTHA NIKHAR

Roll Number

3BR23CD087

## EXPERIMENT

Title

NEAREST CORNER

Description

Bruce is a newly hired employee at a company. The Office Management Department has given him a desk number, which is stored in string S. He has also been handed a string array A. containing all the N office desk numbers.

Array A also includes the symbol "-", which stands for the gap in the sitting arrangement. Corner seats are those that are on either side of the gap. Your task is to help Bruce find and return an integer value. representing how far he is from the nearest corner seat. Return 0, if he is in the corner seat.

**Note:**

There will always be at least one gap in the string array A

Desk number is always in a format of a number first followed by an English letter in uppercase

Assume 0 - based indexing

Input Specification:

A string S. representing Bruce's newly assigned desk number.

Second line containing space seperated strings showing the seat positions and gaps

**Sample input:**

3C

1A 2B - 3C 4D

**Sample Output:**

0

**Source Code:**

```
seat=input()
a=input().split(" - ")
e=None
for i in a:
    if seat in i:
        e=i
        break
e=e.split(" ")
lc=e.index(seat)
rc=(len(e)-1)-e.index(seat)
if rc==0:
    rc=99999
print(min([lc,rc]))
```

## RESULT

5 / 5 Test Cases Passed | 100 %