

# Line in Array

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**Timelimit: 1**

Your job in this problem is to read a number that is a line of an array, an uppercase character, indicating the operation to be performed and all elements of a bidimensional array **M**[12][12]. Then, you have to calculate and print the sum or average of all elements within the green area according to the case. The following figure illustrates the case when is entered the number 2 to the array line, showing all elements that must be considered in the operation.

	0	1	2	3	4	5	6	7	8	9	10	11
0												
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												

## Input

The first line of the input contains a simple integer **L** ( $0 \leq L \leq 11$ ) indicating the line to be considered in the operation. The second line of the input contains a single uppercase character **T** ('S' or 'M'), indicating the operation Sum or Average (Média in portuguese) to be performed with the elements of the array. Follow the 144 floating-point numbers of the array, considering that the elements are inserted line by line, from line 0 to line 11, always from left to right.

## Output

Print the calculated result (sum or average), with one digit after the decimal point.

Input Sample	Output Sample
2 S 1.0 -3.5 2.5 4.1 ...	12.6