



number of the obtained result is the control digit. We can see this process in the following instance. We have the field 12345678Z. We separate the characters (1 2 3 4 5 6 7 8 Z) and we change letter Z into a number (it corresponds to 25). Then, we do the sum of the numbers with weight 7-3-1:

$$1 \cdot 7 + 2 \cdot 3 + 3 \cdot 1 + 4 \cdot 7 + 5 \cdot 3 + 6 \cdot 1 + 7 \cdot 7 + 8 \cdot 3 + 9 \cdot 1 + 25 \cdot 7 = 163$$

So that the control number would be 3.

The target of this problem is to write a program that, given the data of a DNI, computes the control number that correspond to the field number 14. Warning: concatenating 2 fields means to put the second one after the first one.

## Input

The input consists of a sequence of the data fields of different DNIs necessary to compute the control numbers (3, 6 and 9). The fields are given in a line, separated by a space and in the order previously explained. The field 3 is a eight-figure number with a character (NIF). The field 6 is a six-figure number and the field 9 is a six-figure number. The characters will always be uppercase letters between 'A' and 'Z' (there is not lowercase letters nor accents).

## Output

For each given number, your program must print a line with the control number that corresponds to the field number 13.

### Sample input

```
12345678Z 741015 090322
47776371N 810412 120803
39430551H 830105 120117
07213148A 760407 080723
12345678Z 123456 123456
```

### Sample output

```
4
0
4
8
0
```

## Problem information

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