

Contest Duration: 2021-05-15(Sat) 17:30 ([http://www.timeanddate.com/worldclock](http://www.timeanddate.com/worldclock/fixedtime.html?iso=20210515T2100&p1=248)

/fixedtime.html?iso=20210515T2100&p1=248) - 2021-05-15(Sat) 19:10 ([http://www.timeanddate.com/worldclock](http://www.timeanddate.com/worldclock/fixedtime.html?iso=20210515T2240&p1=248)

/fixedtime.html?iso=20210515T2240&p1=248) (local time) (100 minutes)

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C - Secret Number

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Time Limit: 2 sec / Memory Limit: 1024 MB

Score : 300 points

Problem Statement

Takahashi has forgotten his PIN. The PIN is a four-digit string consisting of $0, 1, \dots, 9$, and may begin with a 0 .

For each digit 0 through 9 , Takahashi remembers the following fact, represented by a 10-character string $S_0S_1\dots S_9$:

- if S_i is \circ : he is certain that the PIN contained the digit i ;
- if S_i is \times : he is certain that the PIN did not contain the digit i ;
- if S_i is $?$: he is not sure whether the PIN contained the digit i .

How many strings are there that could be Takahashi's PIN?

Constraints

- S is a 10-character string consisting of \circ, \times , and $?$.

Input

Input is given from Standard Input in the following format:

Remaining Time
00:55:03

S

Output

Print the answer.

Sample Input 1

[Copy](#)

ooo???xxxx

[Copy](#)

Sample Output 1

[Copy](#)

108

[Copy](#)

Some of the possible PINs are 0123 and 0021.

Sample Input 2

[Copy](#)

o?oo?oxoxo

[Copy](#)

Sample Output 2

[Copy](#)

0

[Copy](#)

There may be no possible PINs, in which case the answer is 0.

Sample Input 3

[Copy](#)

xxxxxx?xxxo

[Copy](#)

Sample Output 3

[Copy](#)

15

[Copy](#)

Language

Remaining Time
00:55:03

C++ (GCC 9.2.1) ▼

Source Code

1

* at most 512 KiB

* Your source code will be saved as `Main.extension`.

Open File

Toggle Editor

Auto Height

Submit

(https://www.addtoany.com/share)

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00:55:03