Assignment Case	
CH1Special	
Periode Berlaku Semester Ganjil 2021/2022 ***Valid on*** *Odd Semester Year 2021/2022*	**Software Laboratory Center** **Assistant Recruitment 22-1**

Soal

Case

Total Combination of Decoded Message

You are given a message, **encoded** with some sort of **algorithm**. After some time, you finally realize that the encoded message are like this:

'A' equals to number 1

'B' equals to number 2

…

'Z' equals to number 3

Now, what you need to do, is decode it, but you need to consider if it worths your time, so you decide to **find total combination of words** after it is **being decoded**.

How to decode it ? All digits mus be grouped and mapped into letters based on the algorithm above. For example "226" can be mapped into:

- "BZ" from 2 and 26.
- "VF" from 22 and 6.
- "BBF" from 2, 2, and 6.

If there are leading zeroes for example "06", it can't be mapped to 'F' because "6" is different from "06".

Input

The program will consist of **s**, which is the encoded string.

Constraint

1 ≤ strlen(s) ≤ 150

s contains only digits and may contain leading zero(s).

Output

Print **how many ways to decode the message** in **integer**.

Example (Print out one '\n' at the end of the results)

Input	Output
226	3
12	2
06	0