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| **Assignment Case** | Description: LogoBINUS-University |
| 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)**

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| **Input** | **Output** |
| 226 | 3 |
| 12 | 2 |
| 06 | 0 |