**Hiroto’s Friend's Secret Code**

Hiroto's friend has just disappeared, and the police are trying to find him. Hiroto is the prime suspect as he was last seen with him.

His friend left behind an encrypted notefull of scribbles. To prove that Hiroto is innocent, Hiroto has to decrypt the message. Fortunately, Hiroto knows the key to the code.

* Scribbles that contain the symbol % is the start and end for the character
* Scribbles that contain the letter “Z” is not included in the message e.g: ewr%ewqZweire%45ied (Only “ewqZweire” is not included)
* Scribbles that contain the letter “M” means the the character in this part of the message is the middle letter, rounded down if there is decimal e.g. oeiqjfhMdnw
* Scribbles that does not contain any of the characters are useless

Output the secret message.

**Input Format**

*ecrypted note* = A long *string*

**Constraints**

*string.length* < 10,000

**Output Format**

String

**Sample Input 0**

oqwghdfoiHMoow&isd%jnfijnsiMiwjhed% ejkodfnv-sfddsvMd%aeijhrdodanolkdmfmZ%oskjdfMeiwrjf

**Sample Output 0**

Hi-M