## Rule

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** Encryption Rules : **
 Input:
    - Plaint ext: U pp erc ase letters string without punctuation and spaces.
  Output:
    - C iphertext : A string without punctuation .
Preparation :

    Mult it ap Code Table

       Letter | Mult it ap Code |
       | --- | --- |
       | A | 2 1 |
               2 2 1
       I B I
       | C | 2 ^ 3 |
       | D | 3 1 |
               3 2 1
       I E I
       I F I
               3 ^ 3 |
       | G | 4 ^ 1 |
       | H | 4 ^ 2 |
               4 ^ 3 I
         5 1 |
         J
       | K | 5 2 |
         LI
               5 <sup>3</sup> 1
         M | 6 1 |
               6 <sup>2</sup> 1
       I N I
               6 ^ 3 I
       0
               7 1 1
       I P I
       | Q | 7<sup>2</sup> |
       I R I 7<sup>3</sup> I
       | S | 7<sup>4</sup> |
         T
               8 1 1
       l U l
               8 2 1
       | V |
               8 <sup>3</sup> 1
       | W | 9 1 |
       I X I
               9 2 1
       IYI
               9 3 1
       l Z l
               9 4 1
Encryption Steps :

    For each given plaintext character p :

       - If `p` is an uppercase letter and exists in the Mult it ap
Code Table:
              Replace `p` with the corresponding Mult it ap Code from
```

```
the Mult it ap Code Table .

** Dec ryption Rules : **

- Input :

- C iphertext : A string without punctuation .

- Output :

- Plaint ext : U pp erc ase letters string .

- Preparation : Mult it ap Code Table (Same as encryption)

- Dec ryption Steps (exact opposite of encryption steps):

- For each given ciphertext Mult it ap Code c :

- If _`c _` is a Mult it ap Code from the Mult it ap Code Table :

- Replace _`c _` with the corresponding uppercase letter from the Mult it ap Code Table .
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## Question

Ciphertext: "3^34^1"

Please provide the decrypted answer, encapsulated in double square brackets. For example, the format should be: [[decrypted answer]].

Answer

[[FG]]

Response

[[FO]]