An old generation keypad is given below. Translate the following numbers to alphabets according to the given format.

**Function Description**

A "2" is equal to "A", while a "222" is equal to "C", "0" is used to represent end of numbers that represent a single letter. "00" represents space. Translate numbers to alphabets.

| 1 | 2(A B C) | 3(D E F) |
| --- | --- | --- |
| 4(G H I) | 5(J K L) | 6(M N O) |
| 7(P Q R S) | 8(T U V) | 9(W X Y Z) |
|  | 0(End) |  |

**Input Format**

The input will provide the number sequence needed to be translated.

**Output Format**

The output should display the translation.

**Sample Input**

2022202

**Sample Output**

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