**06. Message from Space**

**Condition:**

You have received an encrypted message from space. Your task is to decrypt the message, following these simple rules:

* The message string will consist only of uppercase letters, numbers, and parentheses.
* When there is a block of code inside the brackets, like [10AB], it means you need to repeat the letters AB 10 times.
* The message can be nested in multiple layers of blocks.
* The final decrypted message will consist of only uppercase letters.

Create a program that accepts an encrypted message and returns the decrypted message.

**Input:**

* The encrypted message is accepted on one line, as a string .

**Output:**

* The decrypted message should be output in uppercase only.

**Examples:**

|  |  |
| --- | --- |
| **Input** | **Output** |
| AC[2BG]OP[1VG]OO[3PP]O | ACBGBGBGOPVGOOPPPPPPO |