A string s is called **happy** if it satisfies the following conditions:

* s only contains the letters 'a', 'b', and 'c'.
* s does not contain any of "aaa", "bbb", or "ccc" as a substring.
* s contains **at most** a occurrences of the letter 'a'.
* s contains **at most** b occurrences of the letter 'b'.
* s contains **at most** c occurrences of the letter 'c'.

Given three integers a, b, and c, return *the* ***longest possible happy*** *string*. If there are multiple longest happy strings, return *any of them*. If there is no such string, return *the empty string* "".

A **substring** is a contiguous sequence of characters within a string.

**Example 1:**

Input: a = 1, b = 1, c = 7  
Output: "ccaccbcc"  
Explanation: "ccbccacc" would also be a correct answer.

**Example 2:**

Input: a = 7, b = 1, c = 0  
Output: "aabaa"  
Explanation: It is the only correct answer in this case.

**Constraints:**

* 0 <= a, b, c <= 100
* a + b + c > 0