Anagrams

Given a string S of length N (1-indexed), handle 2 types of operations:

1. Update S[pos] = c
2. Check if substring [L1,R1] is an anagram of substring [L2,R2]

Input:
First line contains the string S.
Next line contains Q denoting number of operations.
Next Q lines are either the update operation or query operation.
Update operation is of the format:

1 pos c

Query operation is of the format:

2 L1 R1 L2 R2

Output:
For each query operation output one line of “YES” or “NO”.

Constraints:
1 <= N <= 10^5
1 <= Q <= 5*10^5
1 <= pos <= N
1 <= L1 <= R1 <= N
1 <= L2 <= R2 <= N
String S and characters c consist only digits 0-9.

Time: 1 sec

Sample Input:
104691
7
2 1 1 1 1
2 1 1 6 6
1 5 4
2 3 4 4 5
1 6 6
2 1 1 6 6
2 3 4 5 6

Sample Output:
YES
YES
YES
NO

YES