class Solution:

# @param A : string

# @return a strings

def solve(self, A):

m={}

arr=[]

s=''

for i in A:

if i not in m:

m[i]=1

arr.append(i)

else:

m[i]=0

while arr and m[arr[0]]==0:

arr.pop(0)

if not arr:

s+='#'

else:

s+=arr[0]

return s