# Definition for singly-linked list.

# class ListNode:

# def \_\_init\_\_(self, x):

# self.val = x

# self.next = None

class Solution:

# @param A : head node of linked list

# @return the head node in the linked list

def solve(self, A):

h=A

a=0

b=0

while h:

if h.val==0:

a+=1

else:

b+=1

h=h.next

h=A

c=0

while h:

if c<a:

c+=1

h.val=0

else:

h.val=1

h=h.next

return A