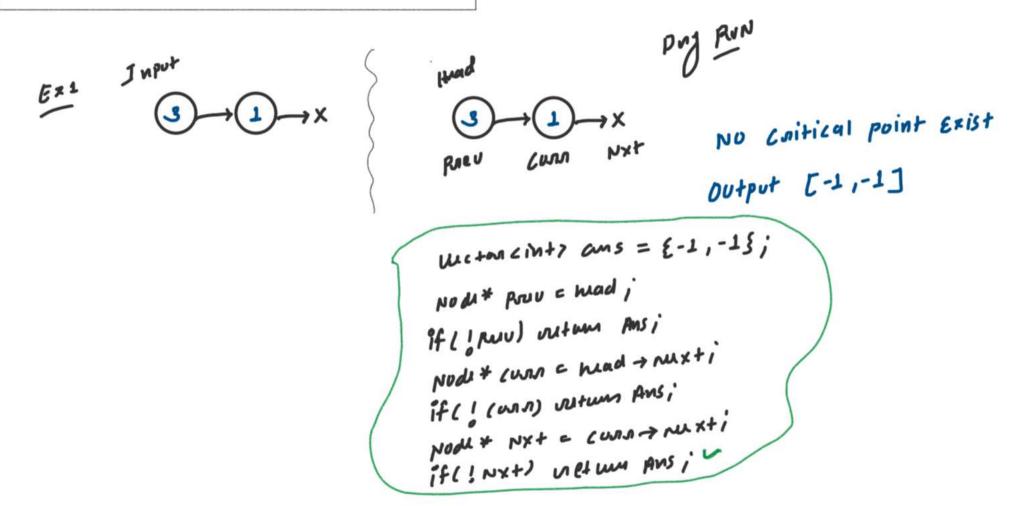
HW 10: Find Minimum and Maximum Number of Nodes Between Critical Points (Leetcode-2048)



EXZ



Program

Huad

Liast CP = 1

Vast CMAX

NXt

RNU

LIAN

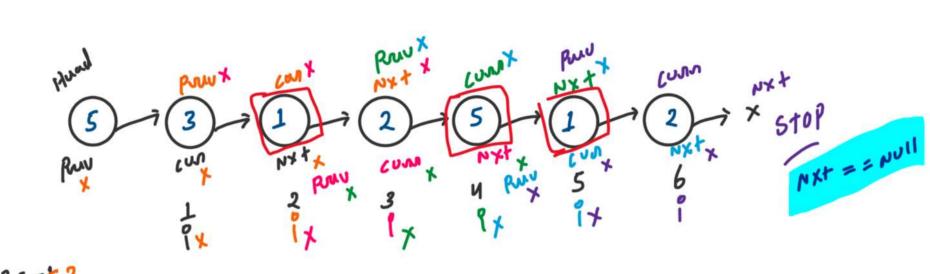
ONU conitical point Exist

123 88 125

Output & [-1,-1]

min Dis = 
$$i - Lust CP \Rightarrow U - 2 \Rightarrow 2$$
  
First  $CP = -1 + 2 + 2$   
Lust  $CP = -1 + 2 + 4$   
max Dis =  $Lust CP - finst CP$   
=  $U - 2$   
=  $2$ 

EX:4



Thru conition points exist output a [113]

```
. . .
class Solution {
public:
    vector<int> nodesBetweenCriticalPoints(ListNode* head) {
        vector<int> ans = {-1, -1};
        ListNode* prev = head;
        if(!prev) return ans;
        ListNode* curr = prev->next;
        if(!curr) return ans;
        ListNode* nxt = curr->next:
        int minDis = INT_MAX;
        if(lastCP == firstCP){
            return ans:
        else {
            ans [0] = minDis;
```

Time complexity: O(N),
Where N is number of nodes of the linked list

Space complexity: O(1),

Where no extra space used