Problem Link:

<https://leetcode.com/problems/intersection-of-two-linked-lists/>

Solution:

/\*\*

\* Definition for singly-linked list.

\* struct ListNode {

\* int val;

\* ListNode \*next;

\* ListNode(int x) : val(x), next(NULL) {}

\* };

\*/

class Solution {

public:

ListNode \*getIntersectionNode(ListNode \*headA, ListNode \*headB) {

if(!headA || !headB)

return nullptr;

ListNode \*pA = headA;

ListNode \*pB = headB;

while(pA != pB)

{

pA = pA ? pA->next : headB;

pB = pB ? pB->next : headA;

}

return pA;

}

};