10 -9 20 -> 30 -> 40 -> 50 80 C 60 S S

JS 10 40

8 10 5 WO S

Linked List Cyclic Node's

https://leetcode.com/problems/linked-list-cycle-ii/

10 + 20 + 30 + 40 + 50 + 60 + 70 100 t 90 t 80 t

```
10 + 20 + 20 + 10 + 50 + 60

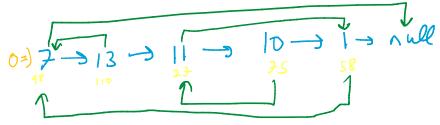
50 40 + 80 + 70,

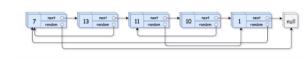
S = 10 20 40 50 60 7 to

1 = 10 30 50 70 90 50 70
```

```
public ListNode detectCycle(ListNode head) {
   ListNode s = head;
   ListNode f = head;
   while (f != null && f.next != null) {
      s = s.next;
      f = f.next.next;
      if (s == f) break;
   }
   if (f == null || f.next == null) return null;
      s = head;
   while (s != f) {
      s = s.next;
      f = f.next;
   }
   return s;
}
```

LL unter Random pointer's





C. next . Mondon = C. Rondom. next