happy number

```
class Solution:
    def isHappy(self, n: int) -> bool:
        seen=set()
        curr=str(n)
        while curr not in seen:
            seen.add(curr)
            curr_sum=0
            for ch in curr:
                curr_sum+=int(ch)*int(ch)
            if curr_sum==1:
                return True
            curr=str(curr_sum)
        return False
```

remove linked list elements

```
# Definition for singly-linked list.
# class ListNode:
#     def __init__(self, val=0, next=None):
#         self.val = val
#         self.next = next
class Solution:
    def removeElements(self, head: Optional[ListNode], val: int) ->
Optional[ListNode]:
        if not head :
            return head
        while head and head.val==val:
            head=head.next
        cur=head
        while cur and cur.next:
            if cur.next.val==val:
                cur.next=cur.next.next
            else:
                cur=cur.next
        return head
```