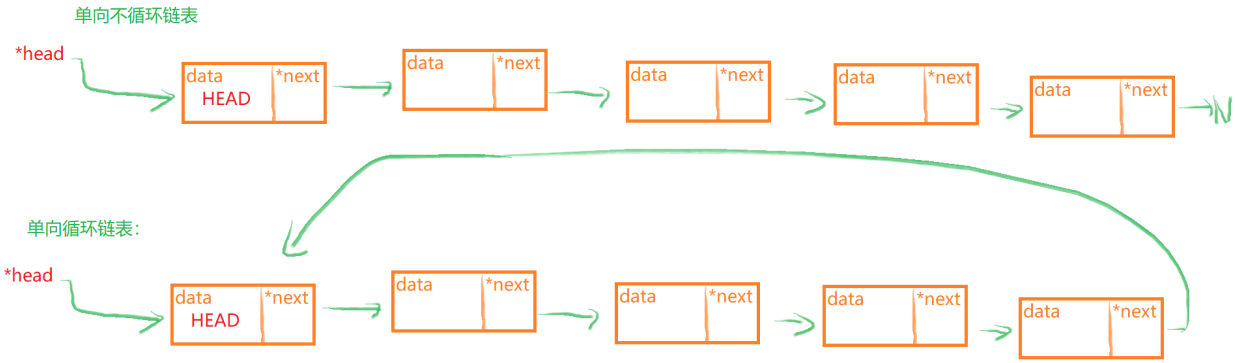
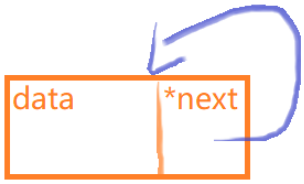
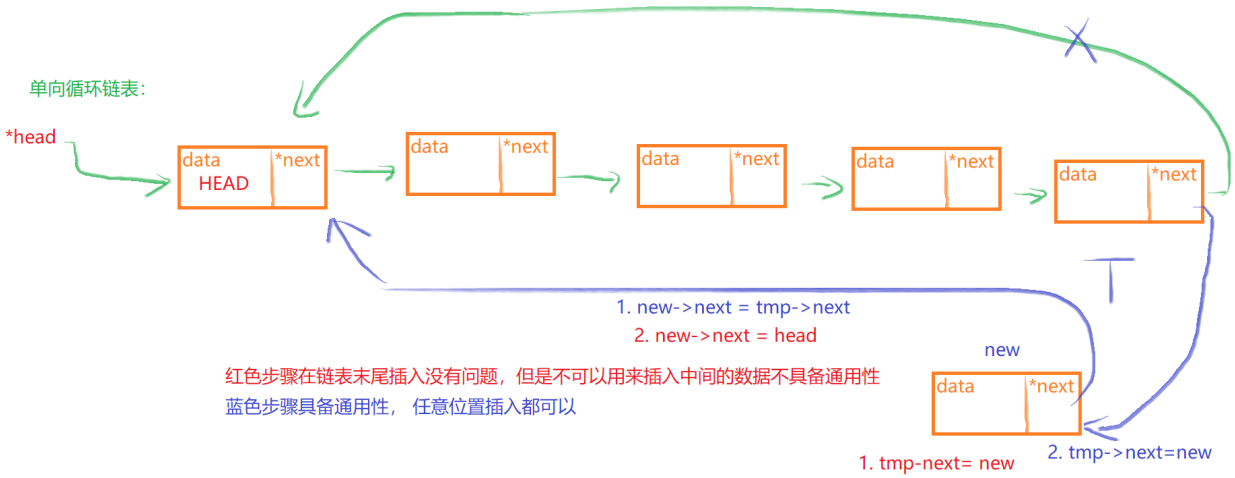


初始化:




```
1
2  // 初始化新节点
3  P_List init_new_node(Data_Type data)
4  {
5      P_List new = calloc(1, sizeof(List));
6
7      new->Num = data;
8      new->Next = new ;
9
10     return new ; // 返回的是堆空间的内存地址
11 }
```

尾插:




```c
int list_add_2_tail(P_List head , P_List new )
{
    if(head == NULL || new == NULL )
    {
        printf("参数异常！！\n");
        return -1 ;
    }

    P_List tmp = head ;

    for ( ; tmp->Next != head ; tmp = tmp->Next);

    new->Next = tmp->Next ;
    tmp->Next = new ;

    return 0 ;
}
```

显示:

```c
void display_list( P_List head )
{
    if( head == NULL || head->Next == head)
    {
        printf("链表可能为空！！！\n");
```

```
6           return ;
7       }
8
9       P_List tmp = head->Next ;
10
11      for ( ; tmp != head ; tmp = tmp->Next)
12      {
13          printf("%d\n" , tmp->Num);
14      }
15
16      // printf("%d\n" , tmp->Num);
17
18      return ;
19  }
20
```