|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 头插法 | | 尾插法 | |
| 空链表 | 非空链表 | 空链表 | 非空链表 |
| 无头节点 | NULL  Head  x->next = head;  head = x; | Head  NULL  x->next = head;  head = x; | x->next = tail;  tail = x;  head = x;  实际不应这样写，这里是为表达尾插法。  实际应先判断链表是否为空，然后这样：  x->next = head;  head = x; | x->next = tail->next;  tail->next = x;  tail = x; |
| 有头结点 | Head  NULL  Head  NULL  x->next = head->next;  head->next = x; | NULL  x->next = head->next;  head->next = x; | x->next = tail->next;  tail->next = x;  tail = x; | x-next = tail->next;  tail->next = x;  tail = x; |

Head

Head

NULL