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|  | 头插法 | | 尾插法 | |
| 空链表 | 非空链表 | 空链表 | 非空链表 |
| 无头节点 | x->next = head;  head = x; | x->next = head;  head = x; | x->next = tail;  tail = x;  head = x;  实际不这么写，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 | x->next = head->next;  head->next = x; | 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; |