

## Delete a node from a singly-linked list, given *only a variable pointing to that node*.

The input could, for example, be the variable `b` below:

```
class LinkedListNode(object):  
  
    def __init__(self, value):  
        self.value = value  
        self.next = None  
  
a = LinkedListNode('A')  
b = LinkedListNode('B')  
c = LinkedListNode('C')  
  
a.next = b  
b.next = c  
  
delete_node(b)
```

Python ▼

## Gotchas

We can do this in  $O(1)$  time and space! But our answer is tricky, and it *could* have some side effects...

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