

Electromagnetics (II) Homework 5

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Function: Implement `makeFirst(p)` in $O(1)$ time

Input: A Double Linked List `L` and a pointer `p` to a node in `L`

```
if  $p = L.head$  then
   $\perp$  return
 $p.prev.next \leftarrow p.next$ 
 $p.next.prev \leftarrow p.prev$ 
 $p.next \leftarrow L.head$ 
 $p.prev \leftarrow \text{null}$ 
 $L.head.prev \leftarrow p$ 
 $L.head \leftarrow p$ 
```
