

3) (10 pts) DSN (Linked Lists)

Write a function, `moveFrontToBack`, that takes in a pointer to the front of a *doubly* linked list storing an integer, moves the first node of the list to the back of the list and returns a pointer to the new front of the list. If the list contains fewer than two elements, the function should just return the list as it is. (Note: `prev` points to the previous node in the list and `next` points to the next node in the list.)

Use the struct definition provided below.

```
typedef struct dllnode {
    int value;
    struct dllnode* prev;
    struct dllnode* next;
} dllnode;

dllnode* moveFrontToBack(dllnode* front) {

}

}
```