

2) (10 pts) DSN (Linked Lists)

The structure of each node of a singly linked list is shown below.

```
typedef struct node {  
    int data;  
    struct node* next;  
} node;
```

Write a function `insertAfterN`, that takes the head of a linked list, and two integers `M` and `N` ($M \neq N$) and inserts `M` after all the nodes containing `N`.

For example, if `M = 200` and `N = 6`, the linked list 3, 6, 4, 6, 6, 5 will be changed to 3, 6, 200, 4, 6, 200, 6, 200, 5.

```
void insertAfterN(node* head, int M, int N) {
```

```
}
```