**Doubly linked list**

Create a doubly linked list from a file (input.txt). The number of items is unknown.

(Delete from head) Prompt the user for a node number. Starting from the head, moving forward, go to the node and delete it.

(Delete from tail) Prompt the user for another node number. Starting from the tail, moving backward, go to the node and delete it.

Write the contents of the modified list into the file (output.txt).

NOTE: The node to be deleted can be the head, the tail or something in the middle. If there is only one node in the list and it is being deleted, then both the head and tail are affected by this.

**Example:**

**Input file**

59 22 23 58

Which item do you want to delete from the beginning? 3

Which item do you want to delete end? 2

//the first delete would remove **23** from the list.

//The second delete would remove **22** from the list.

Output file

59 58