

```
1 public class ClassAdapter extends Stack implements Set
2 {
3     public ClassAdapter(int maxSize){super(maxSize);}
4
5     Stack auxStack;
6     public boolean member(int x){
7         boolean res=false;
8         int topElement;
9         auxStack = new Stack(size());
10        while(!res & ! isEmpty()) {
11            topElement= top();
12            pop();
13            res = (x==topElement);
14            auxStack.push(topElement);
15        }
16
17        while(!auxStack.isEmpty()){
18            push(auxStack.top());
19            auxStack.pop();
20        }
21        return res;
22    }
23    public void remove(int x){
24        boolean removed=false;
25        int topElement;
26        while(! removed & ! isEmpty()) {
27            topElement= top();
28            pop();
29            if (x==topElement)
30                removed = true;
31            else auxStack.push(topElement);
32        }
33        while(!auxStack.isEmpty()){
34            push(auxStack.top());
35            auxStack.pop();
36        }
37        return;
38    }
39 }
40
```