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```
import java.io.*;
import java.util.*;
//import java.util.Scanner; -- inclusa in java.util.*

class UnexpectedCharException extends Exception{
    public UnexpectedCharException(String s){super(s);}
}

public class myIntMutSeqRW extends myIntMutSeq {
/* ----- Stato oggetti Seq ----- */
/* ----- Operazioni: Costruttore ----- */
/* Deve sapere che IntMutSeq vuoto è rappresentato con null ----- */

    public myIntMutSeqRW(myIntMutSeqRW p, int v){
        super(p,v);
    }
/* ----- Metodi per OPERAZIONI ----- */
/* ----- OSSERVATORI PER ACCESSO COMPONENTI ----- */
/* eredita: val, size,... ----- */
/* overriding di pred e succ ----- */

    public myIntMutSeqRW pred(){
        return (myIntMutSeqRW) super.pred();
    };
    public myIntMutSeqRW succ(){
        return (myIntMutSeqRW) super.succ();
    };
    public myIntMutSeqRW first(){
        return (myIntMutSeqRW) super.first();
    };
    public myIntMutSeqRW last(){
        return (myIntMutSeqRW) super.last();
    };

/* ----- OSSERVATORI I/O ----- */
    public static myIntMutSeqRW readIntMutSeq()
    throws UnexpectedCharException{
        myIntMutSeqRW r = null;
        Scanner s = new Scanner(System.in);
        if (!s.hasNext()) return r;
        {
            boolean endTest = true;
            if (!s.hasNext("\\["))
                throw new UnexpectedCharException("readIntSeq");
            s.next();
            while (endTest && s.hasNextInt()) {
                r = new myIntMutSeqRW(r,s.nextInt());
                if (endTest = s.hasNext(",")) s.next();
            }
            s.close();
            return r;
        }
    }
    public void writeIntMutSeq(){
        myIntMutSeqRW temp = pred();
        if (temp == null) System.out.print("[");
        else pred().innerWrite();
        System.out.println(val()+"]");
    }
}
```

```
}
private void innerWrite(){//privata di writeIntSeq
    myIntMutSeqRW temp = pred();
    if (temp == null) System.out.print("[");
    else pred().innerWrite();
    System.out.print(val()+",");
}
}
```