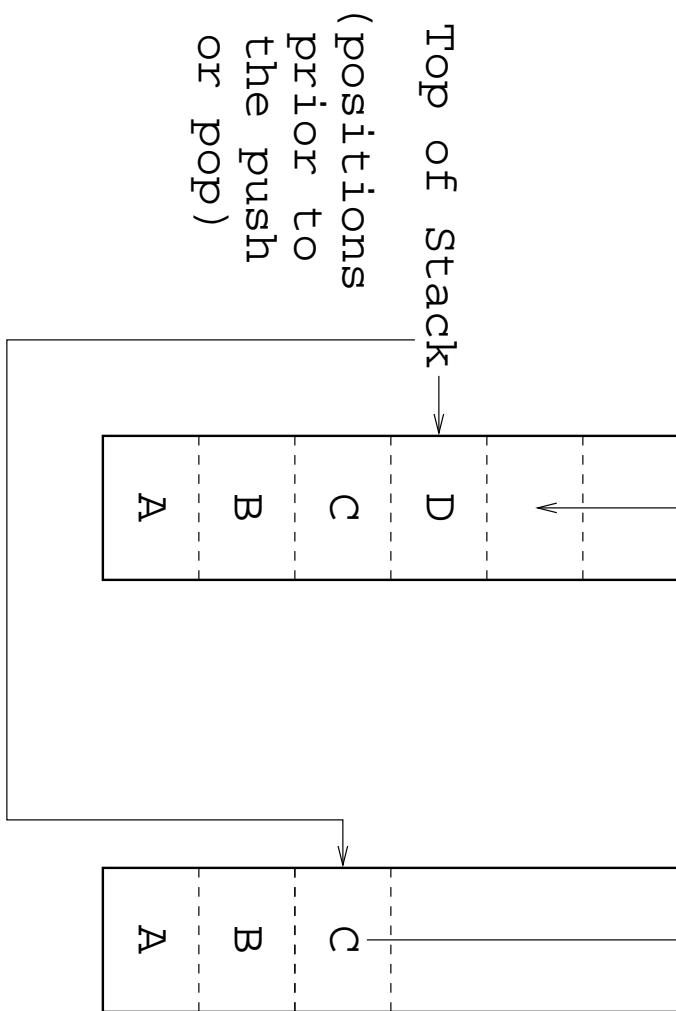


A Stack

Push(E) → Pop() = C

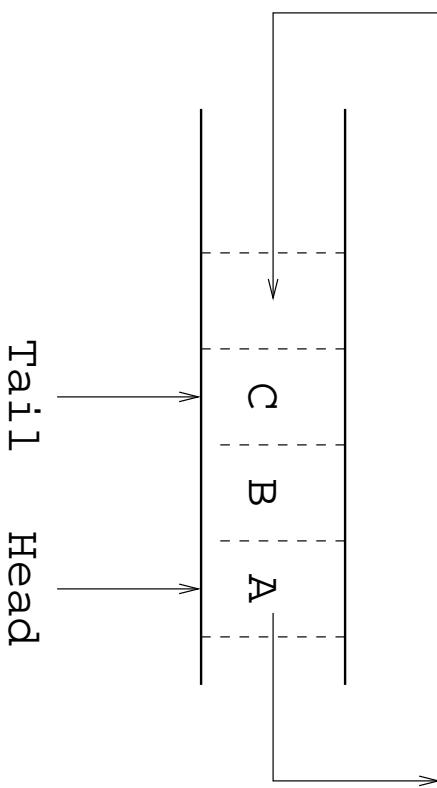


IStack

```
package stacks;  
  
import java.util.Enumeration;  
  
public interface IStack {  
  
    public void push(Object data);  
  
    public Object pop();  
  
    public Enumeration enumeration();  
}
```

A Queue

Enqueue(D) Dequeue() = A



(positions prior to the enqueue or dequeue)

IQueue

```
package queues;

import java.util.Enumeration;

public interface IQueue {

    public void enqueue(Object data);

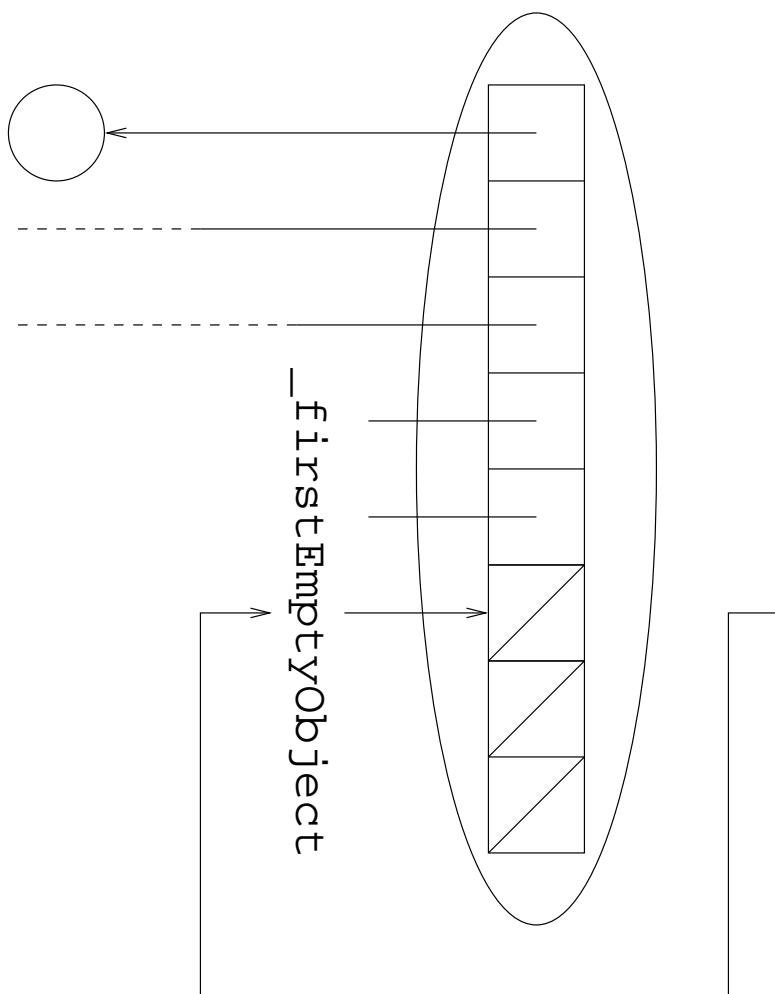
    public Object dequeue();

    public Enumeration enumeration();

}
```

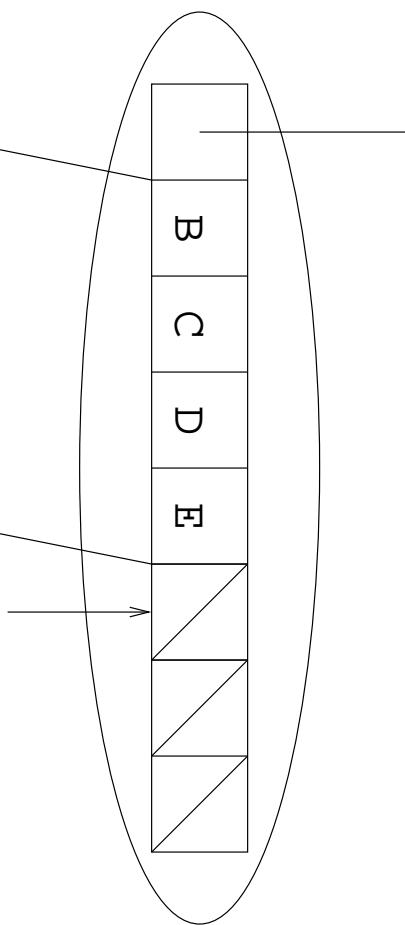
ArrayVers1Queue

Enqueue(object)

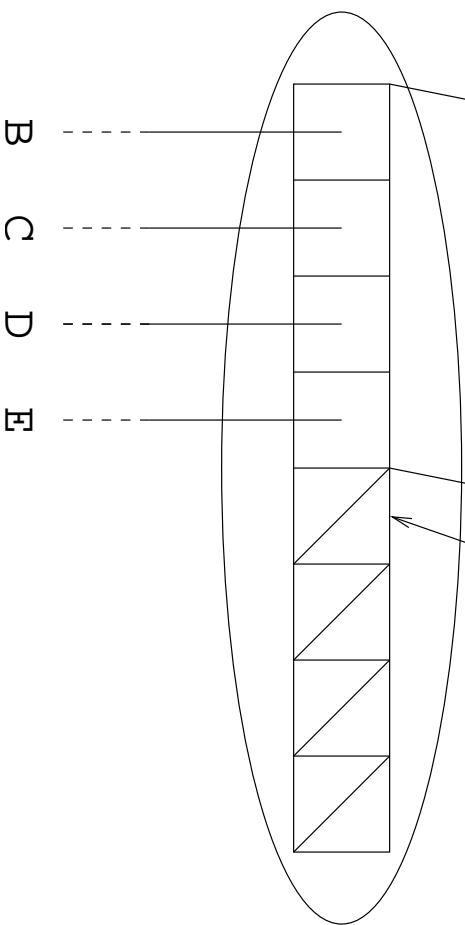


ArrayVers1Queue

Dequeue()



_firstEmptyObject



B
C
D
E

ArrayVers2Queue

