

Sorting Hockey Pucks Problem

The variables used in this solution are split into 3 parts. The start, the buffer, and the exit.

```
Queue start = new Queue();
Stack buffer = new Stack();
Stack exit = new Stack();
```

The start array was transformed into a queue, as the pucks should go as first in first out order. The buffer line and exit were made into a stack

```
for (Integer item: arr) {
    start.push(item);
}

int counter = 1;

while(!start.isEmpty() || !buffer.isEmpty()) {
    if (start.peek()!=null && start.peek()==counter) {
        exit.push(start.pop());
        counter++;
    }
    else if(buffer.peek()!=null && buffer.peek()==counter) {
        exit.push(buffer.pop());
        counter++;
    }
    else if (start.peek()!=null){
        buffer.push(start.pop());
    }
    else {
        break;
    }
}
```

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asd fa sf as f