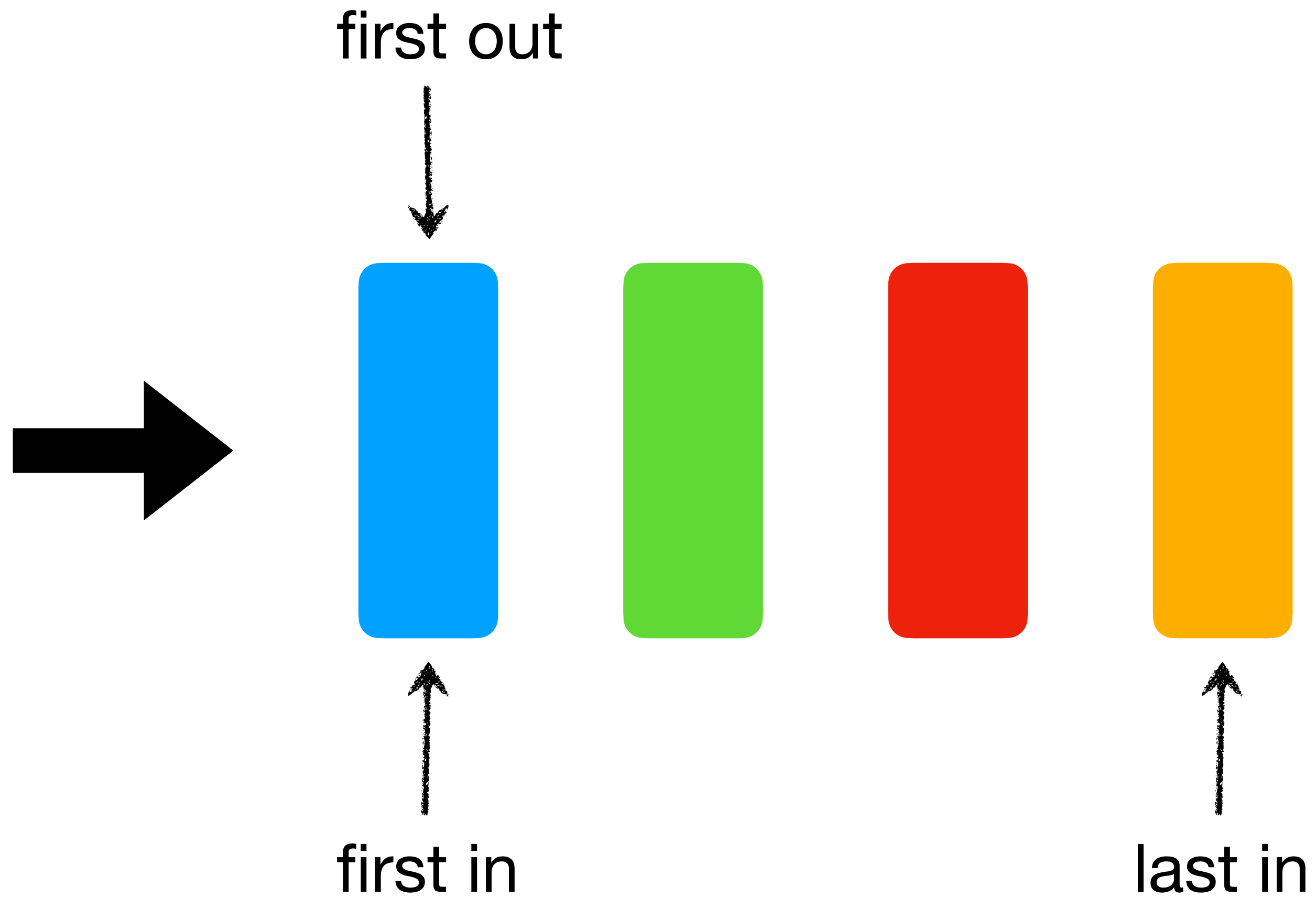


# **Collections**

## **Queue Interface**

# What Is a Queue?



# Queue Interface

- implemented by `LinkedList` class
- adds element in the back, reads from the front
  - FIFO: **F**irst **I**n, **F**irst **O**ut
- proper methods
  - `peek()`, `offer(E e)`, `poll()`
- methods inherited from `Collection`
  - `element()`, `add(E e)`, `remove()`

difference: in the case of  
unsuccessful operation  
"pop" methods return `false`,  
while the `Collection` methods  
throw the exception

```
Queue<String> colors = new LinkedList<>();
```

```
colors.offer("blue");
```

```
colors.offer("green");
```

```
colors.offer("red");
```

```
colors.offer("yellow");
```

```
System.out.println(colors);
```

```
System.out.println(colors.peek());
```

```
colors.poll();
```

```
System.out.println(colors);
```

```
System.out.println(colors.peek());
```

[blue, green, red, yellow]

blue

[green, red, yellow]

green