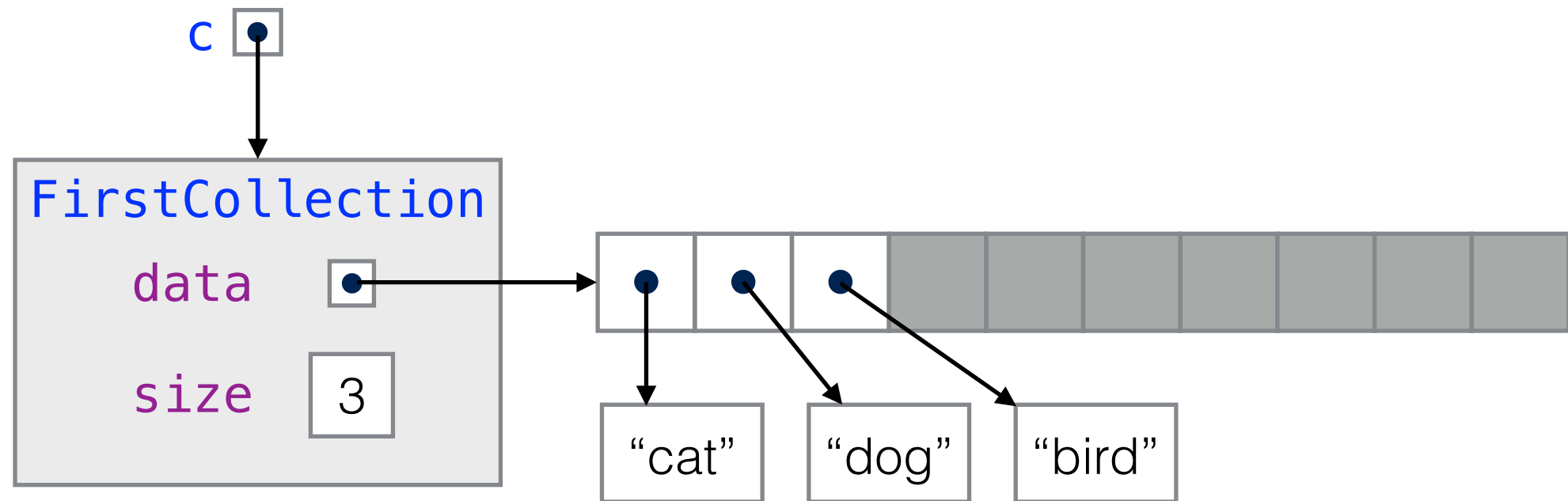
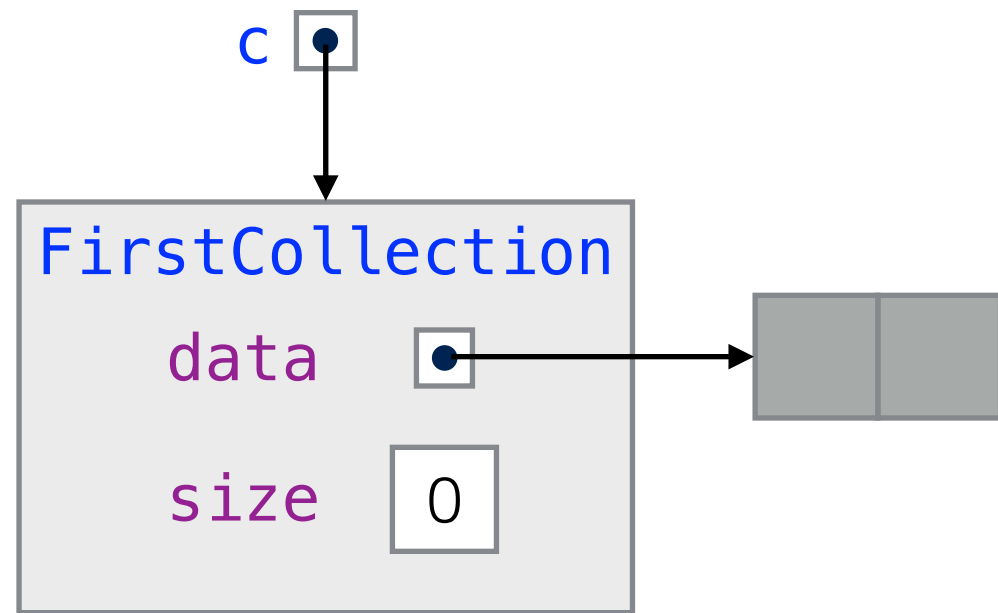


Collection<E>  
Array Implementation

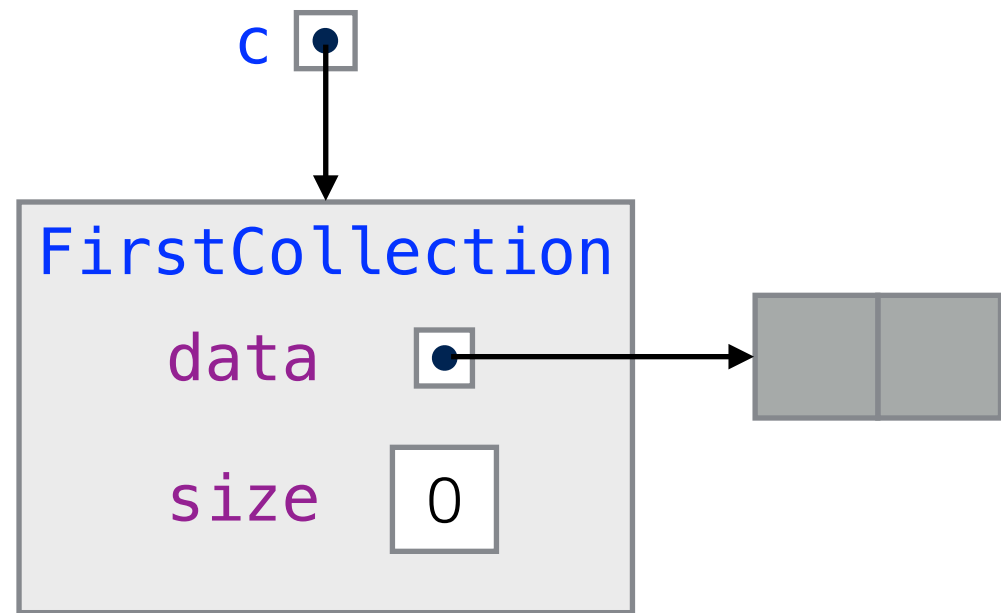


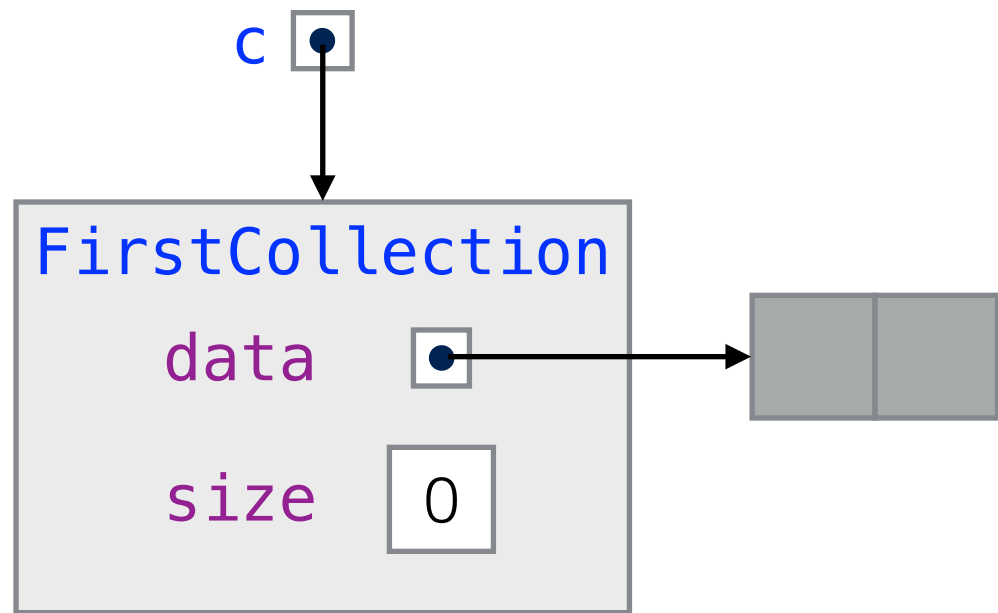
add ( )

```
Collection<String> c =  
    new FirstCollection<String>(2)
```

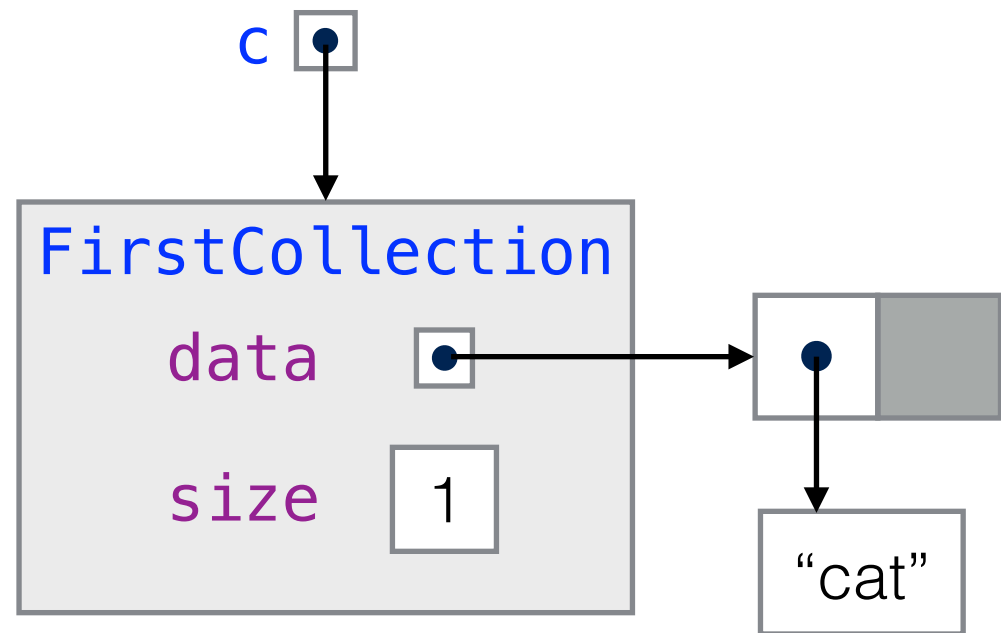


```
Collection<String> c =  
    new FirstCollection<String>(2)
```

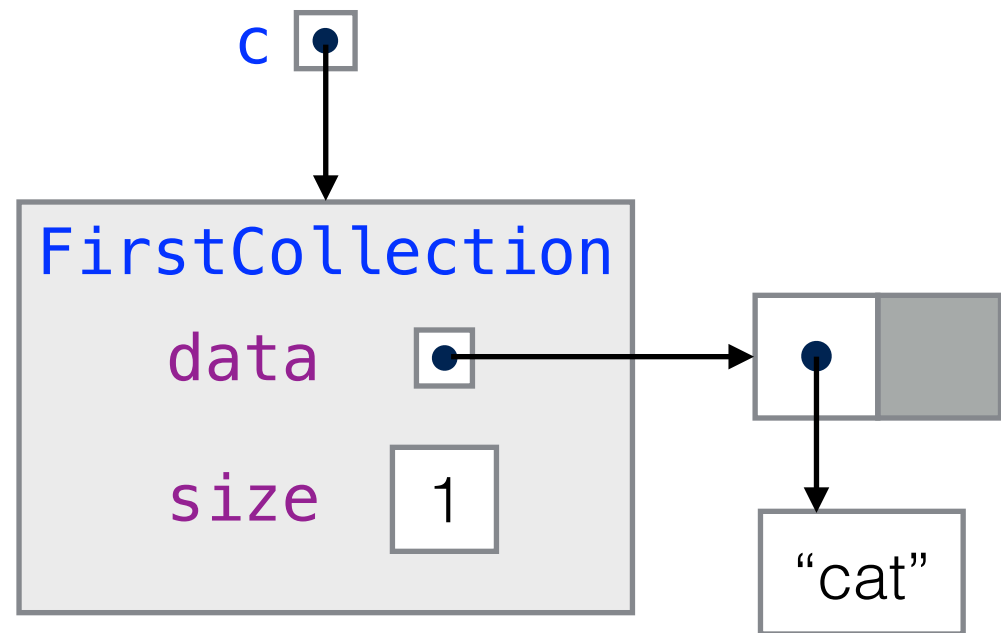




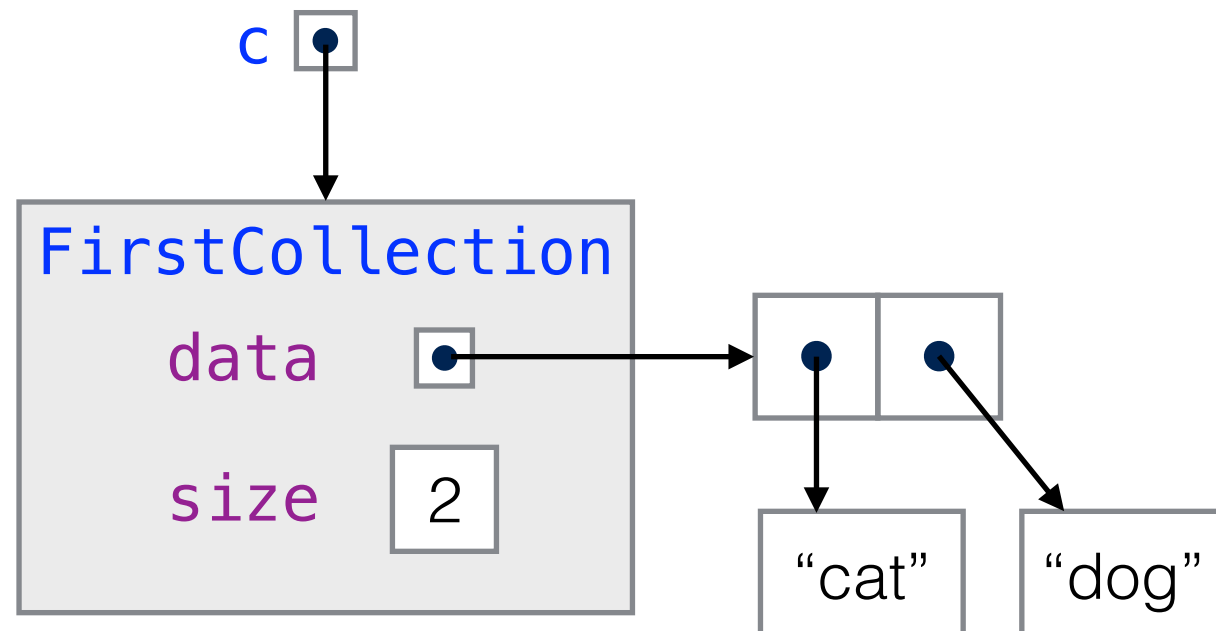
`c.add("cat")`

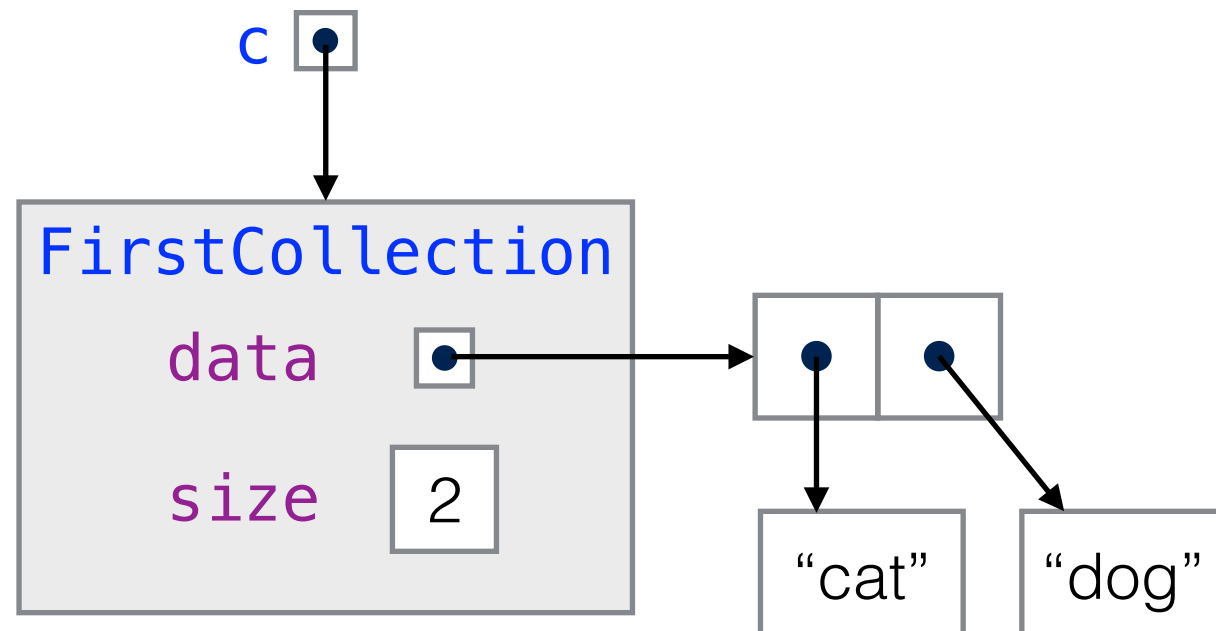




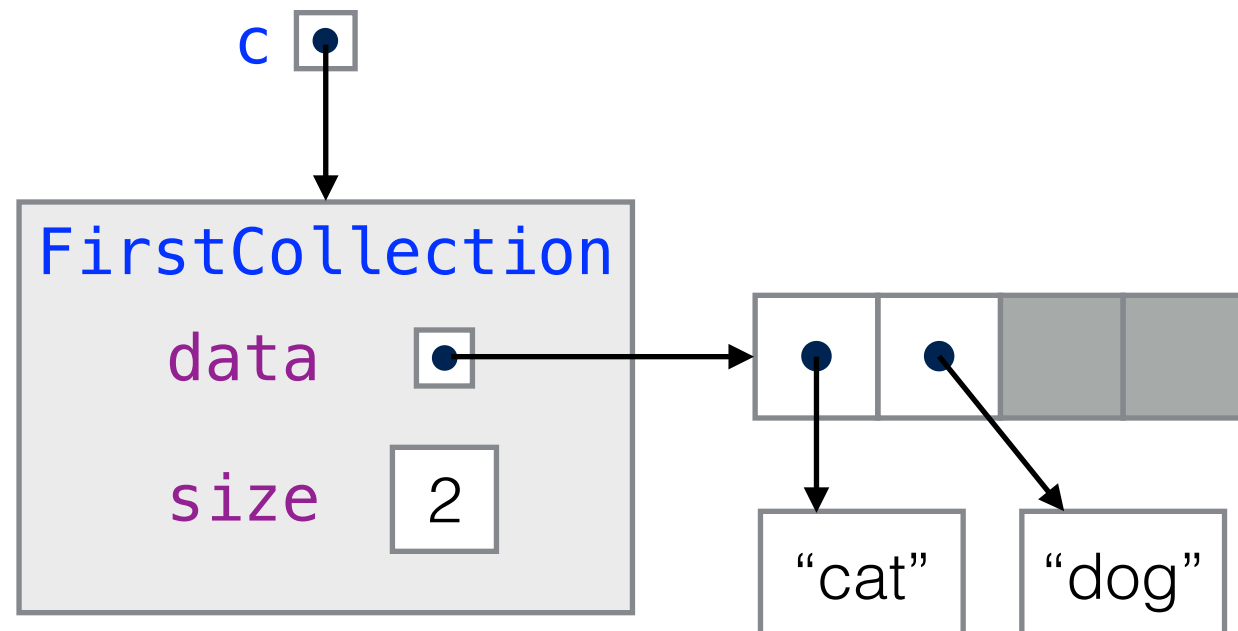


`c.add("dog")`

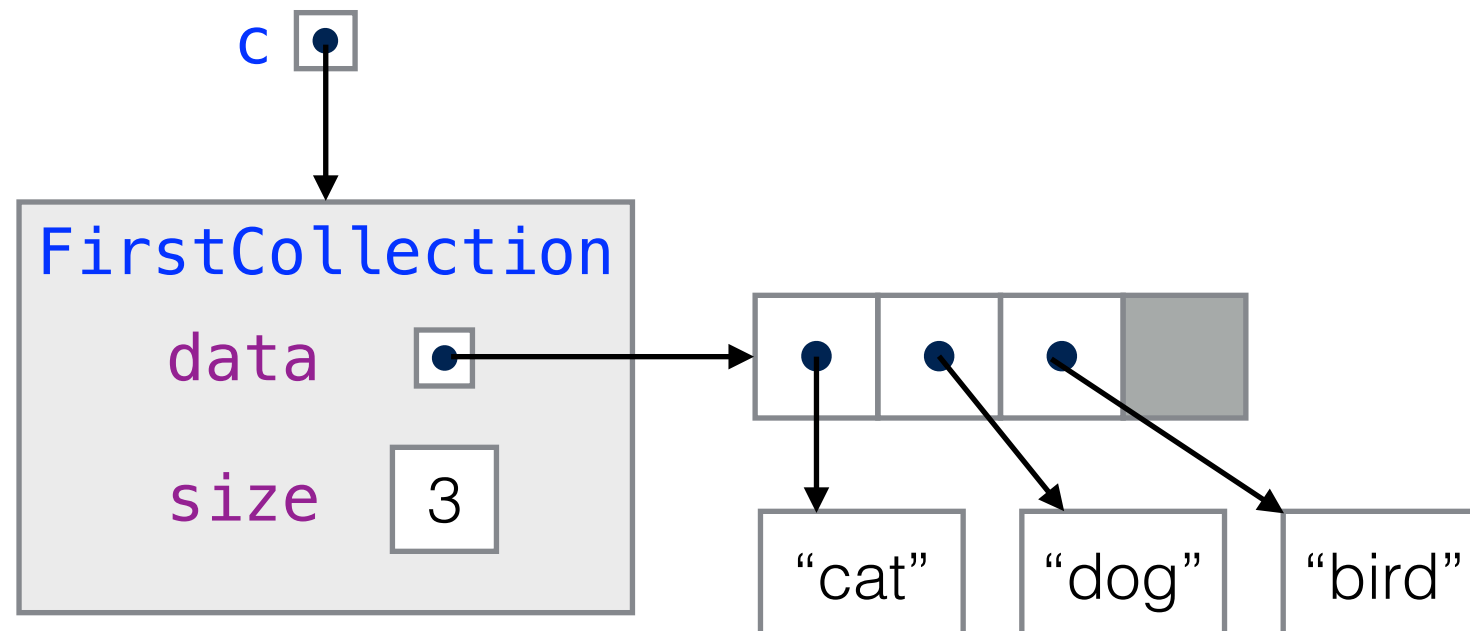


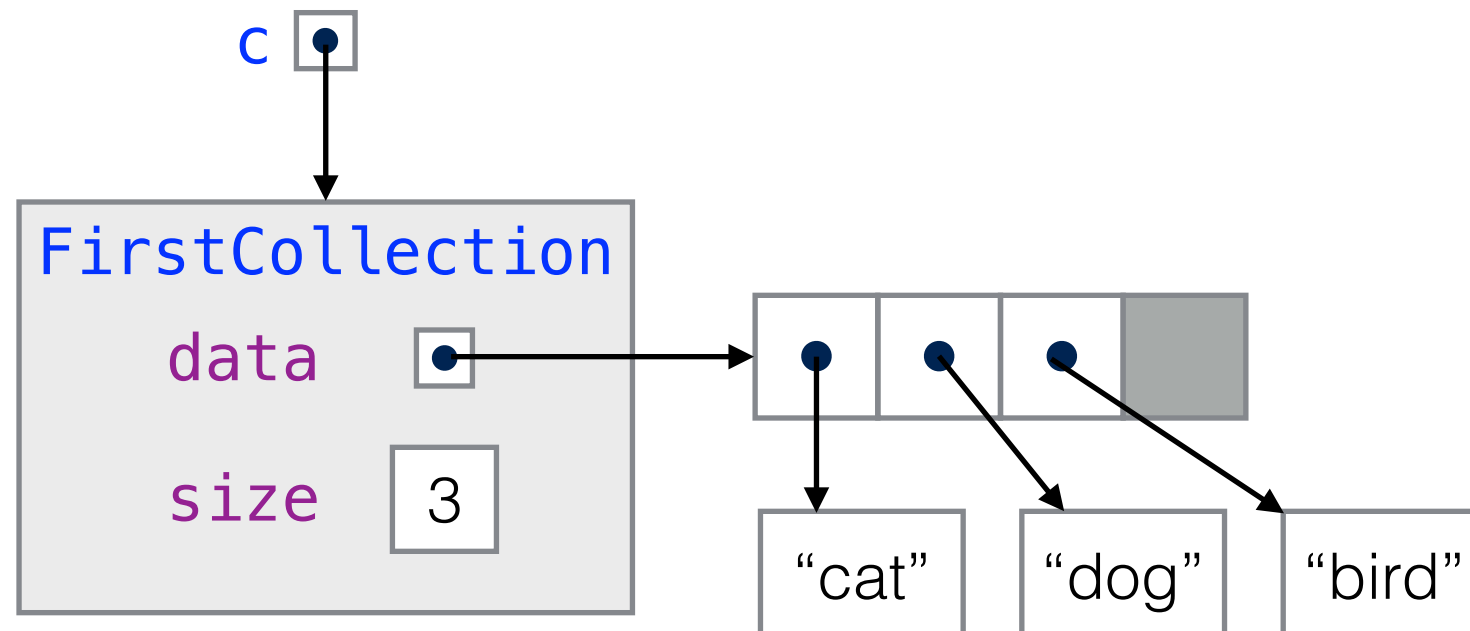


`c.add("bird")`

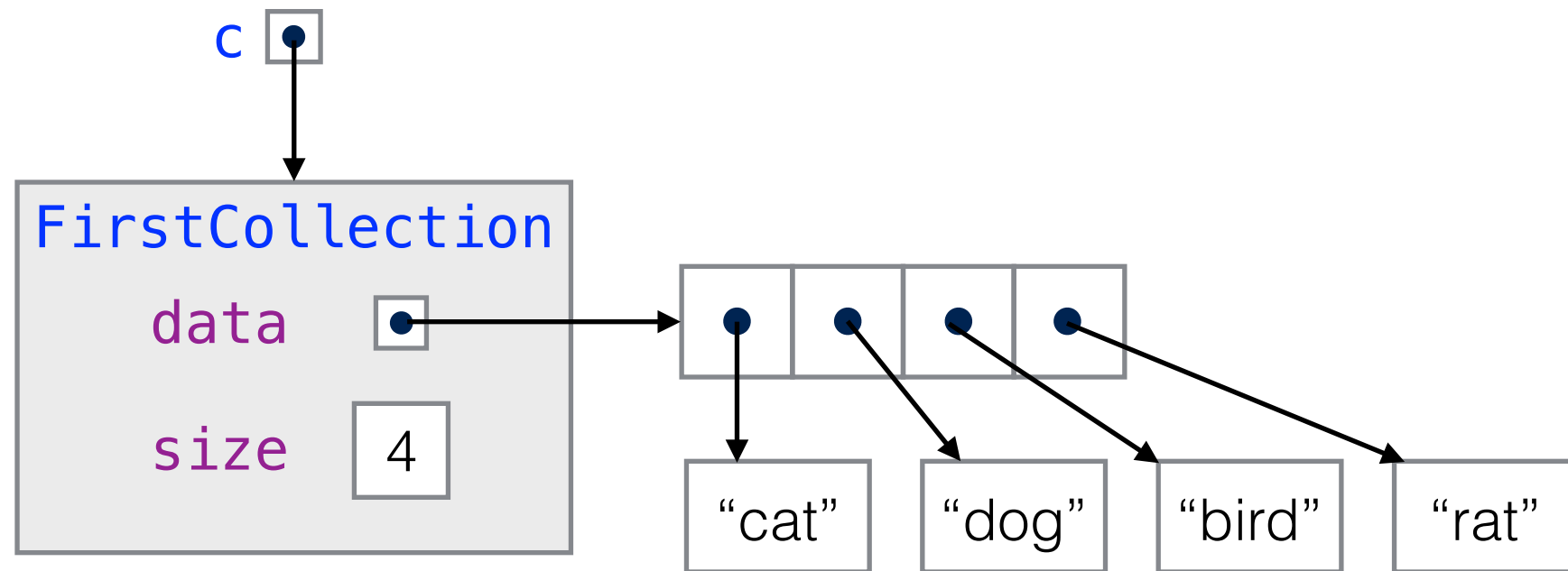


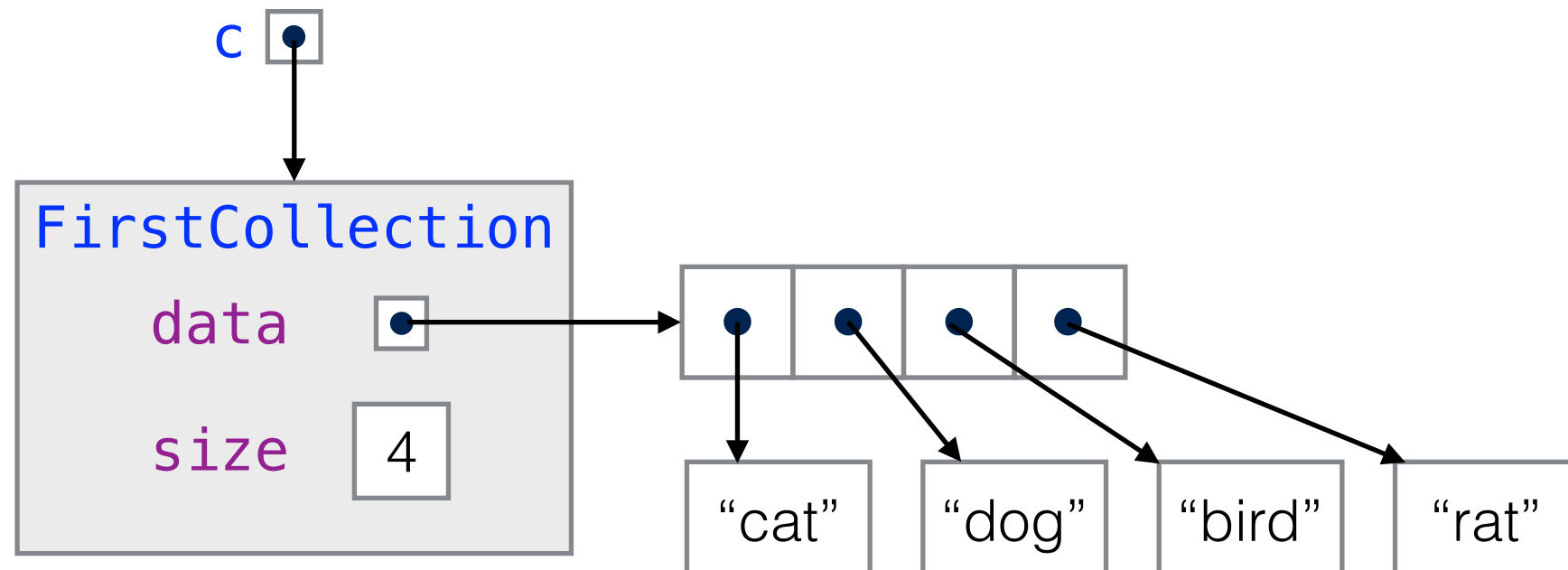
```
c.add("bird")
```





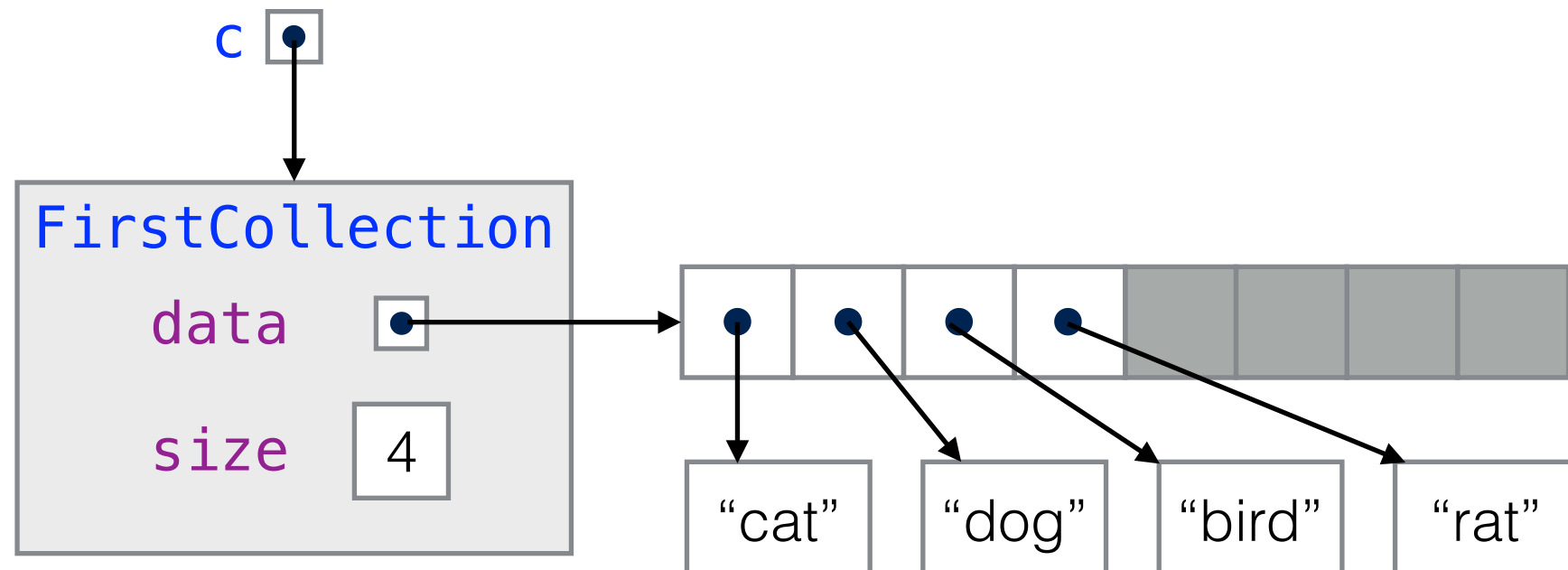
`c.add("rat")`



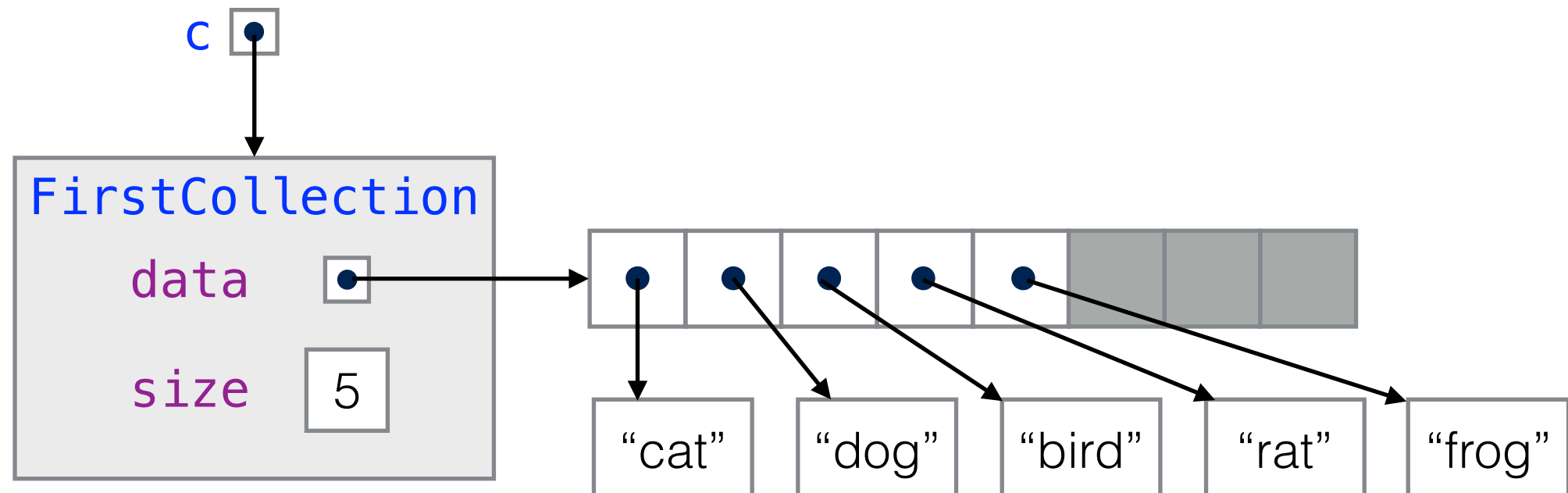


`c.add("frog")`

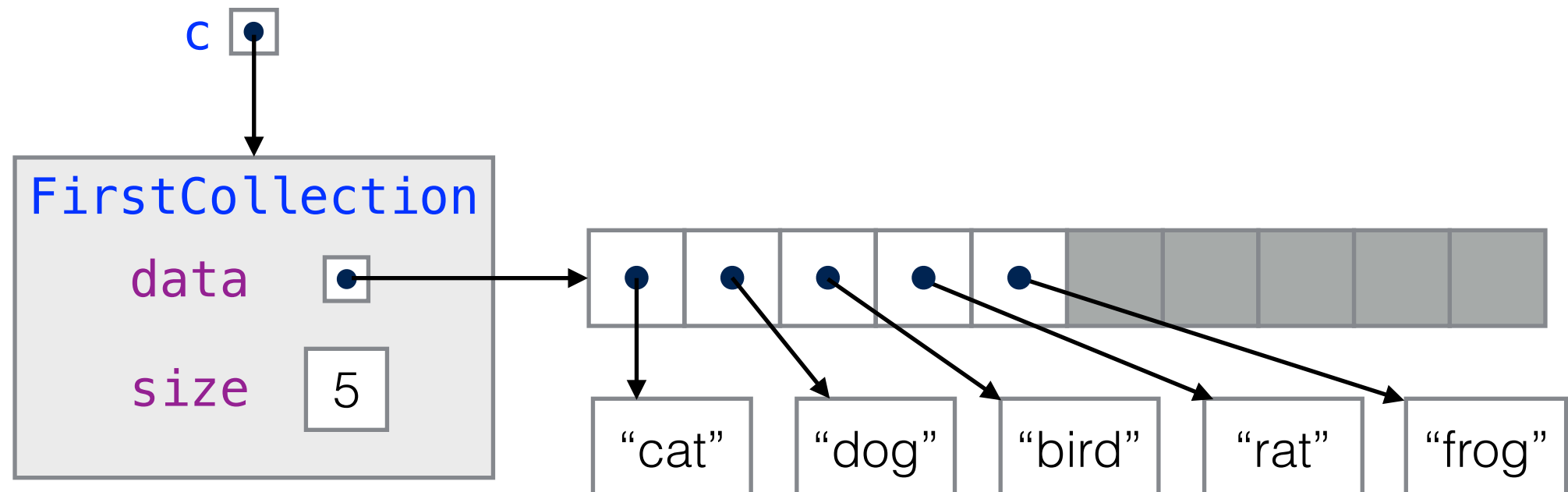


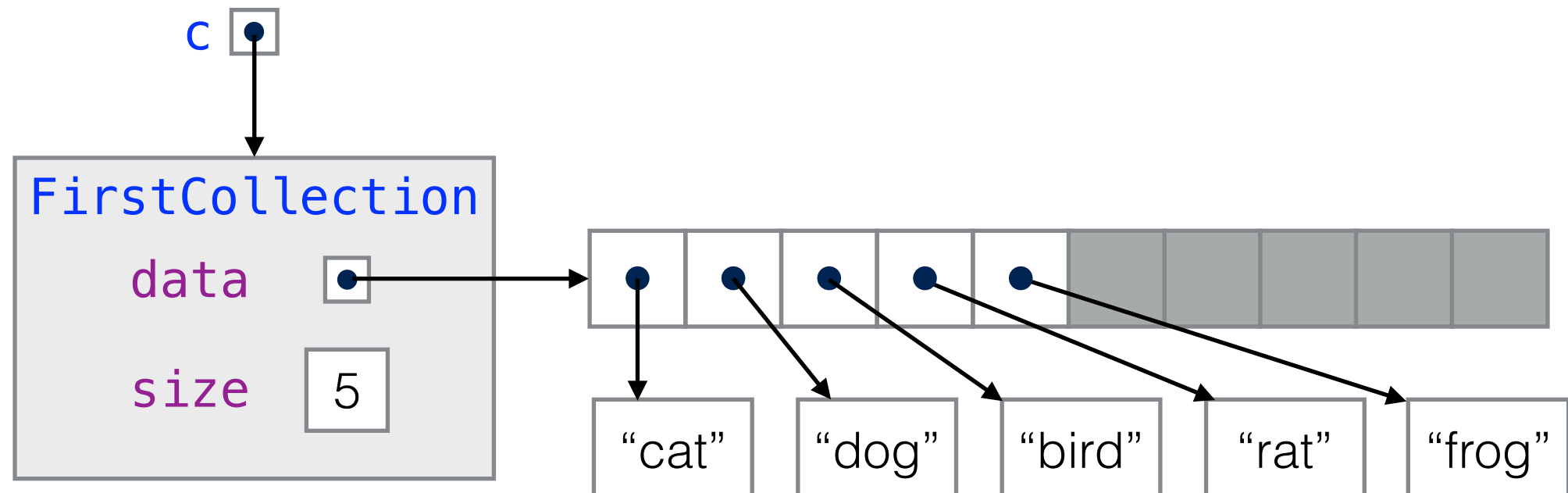


`c.add("frog")`

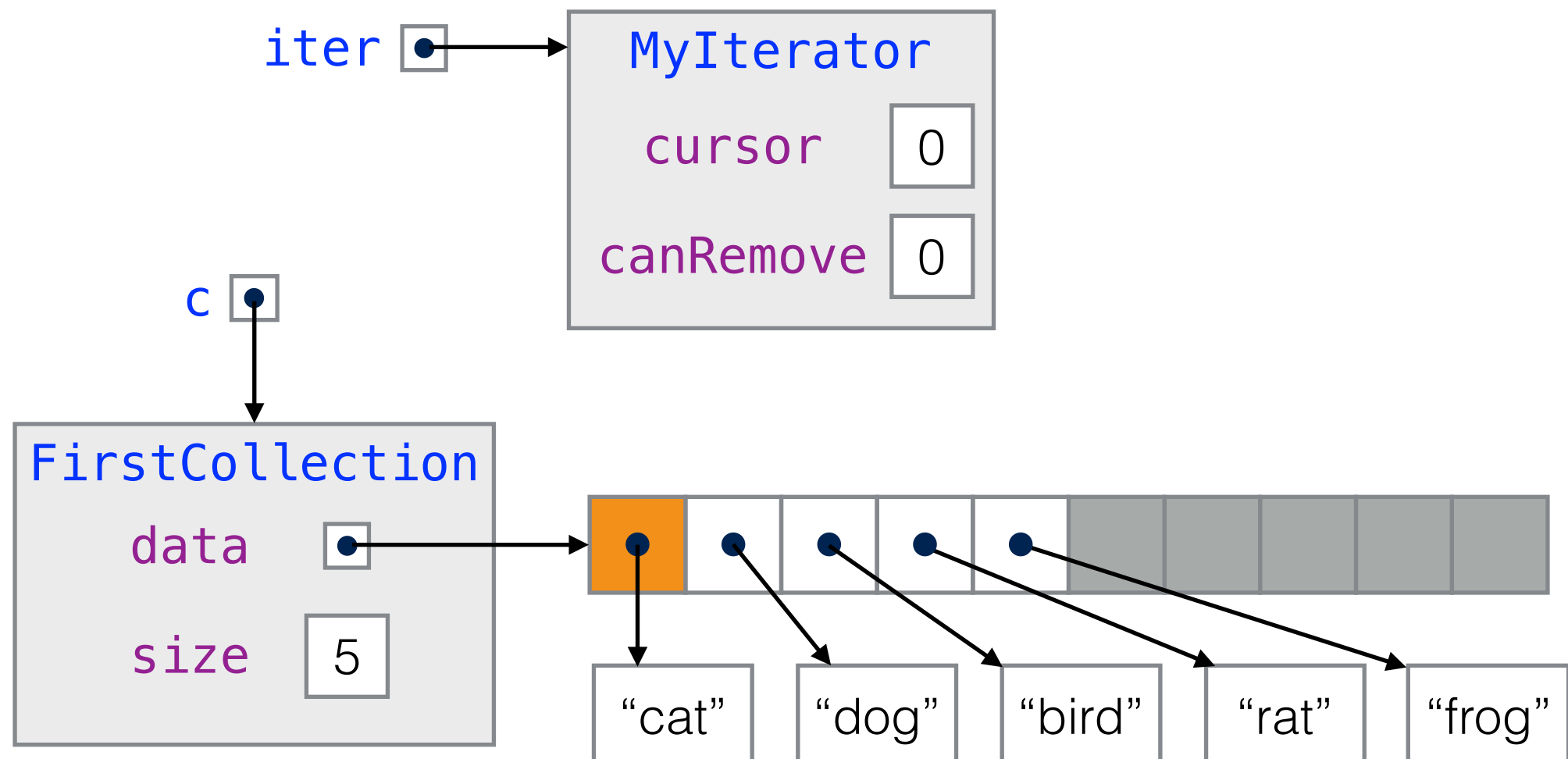


# Iterators

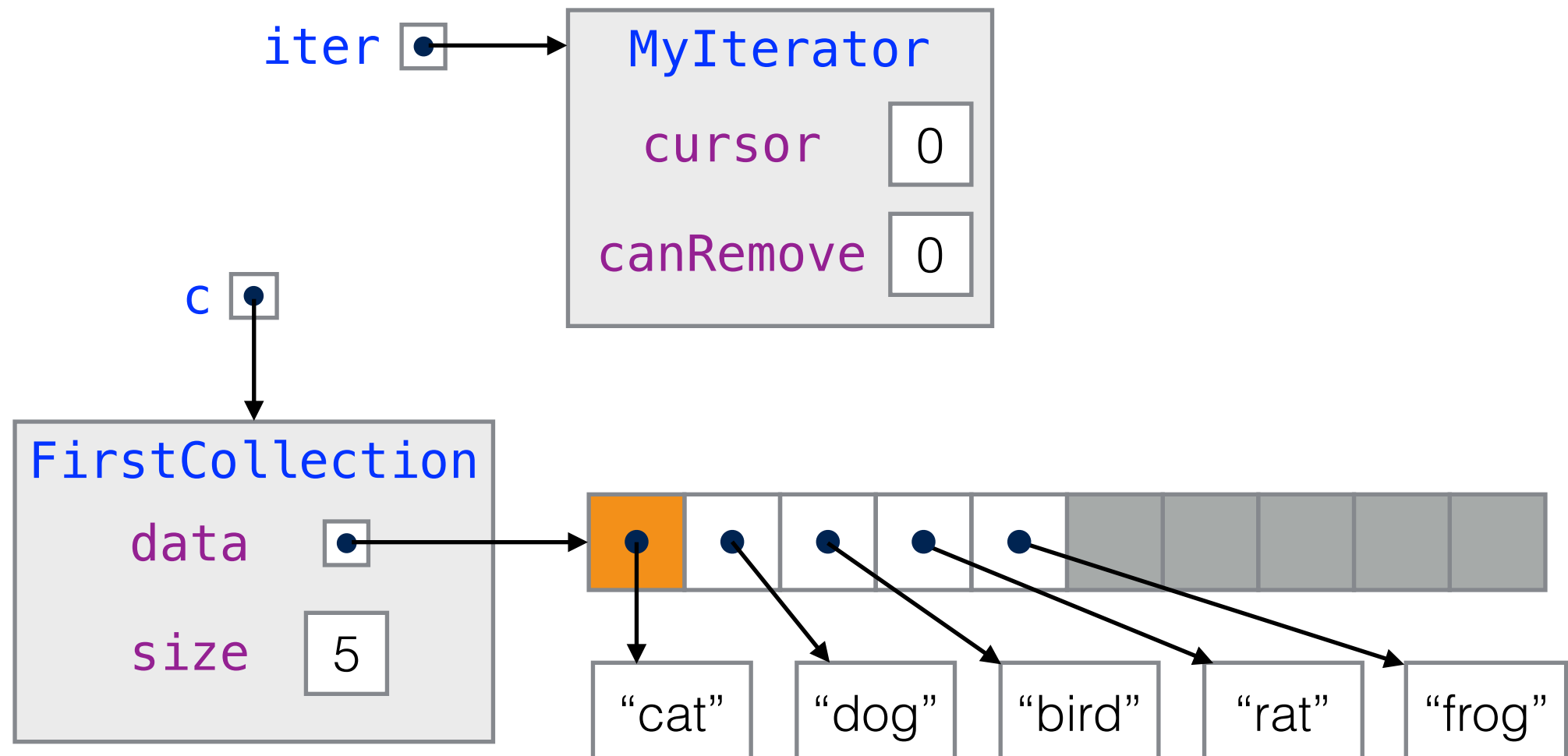


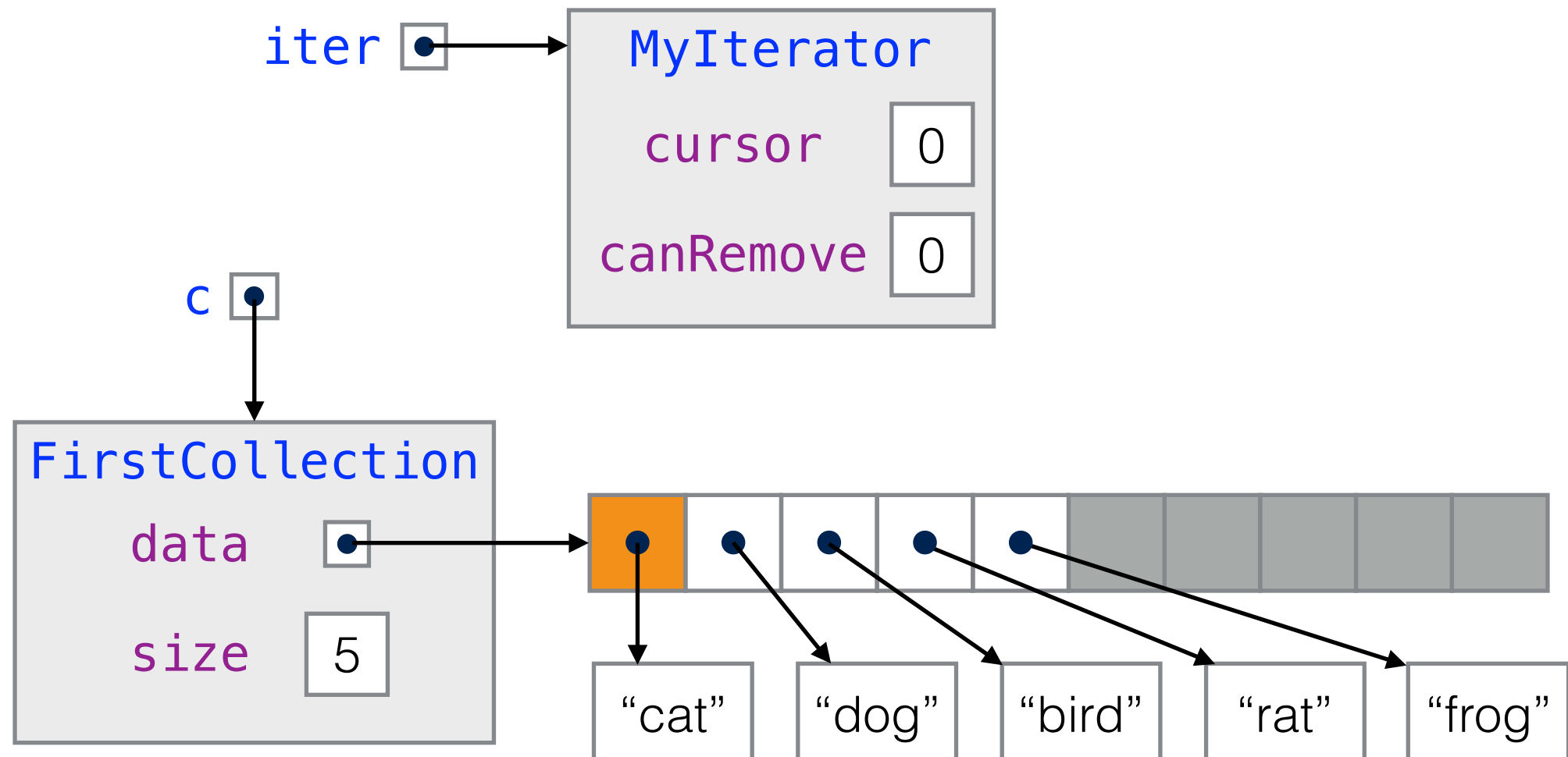


```
Iterator<String> iter = c.iterator()
```



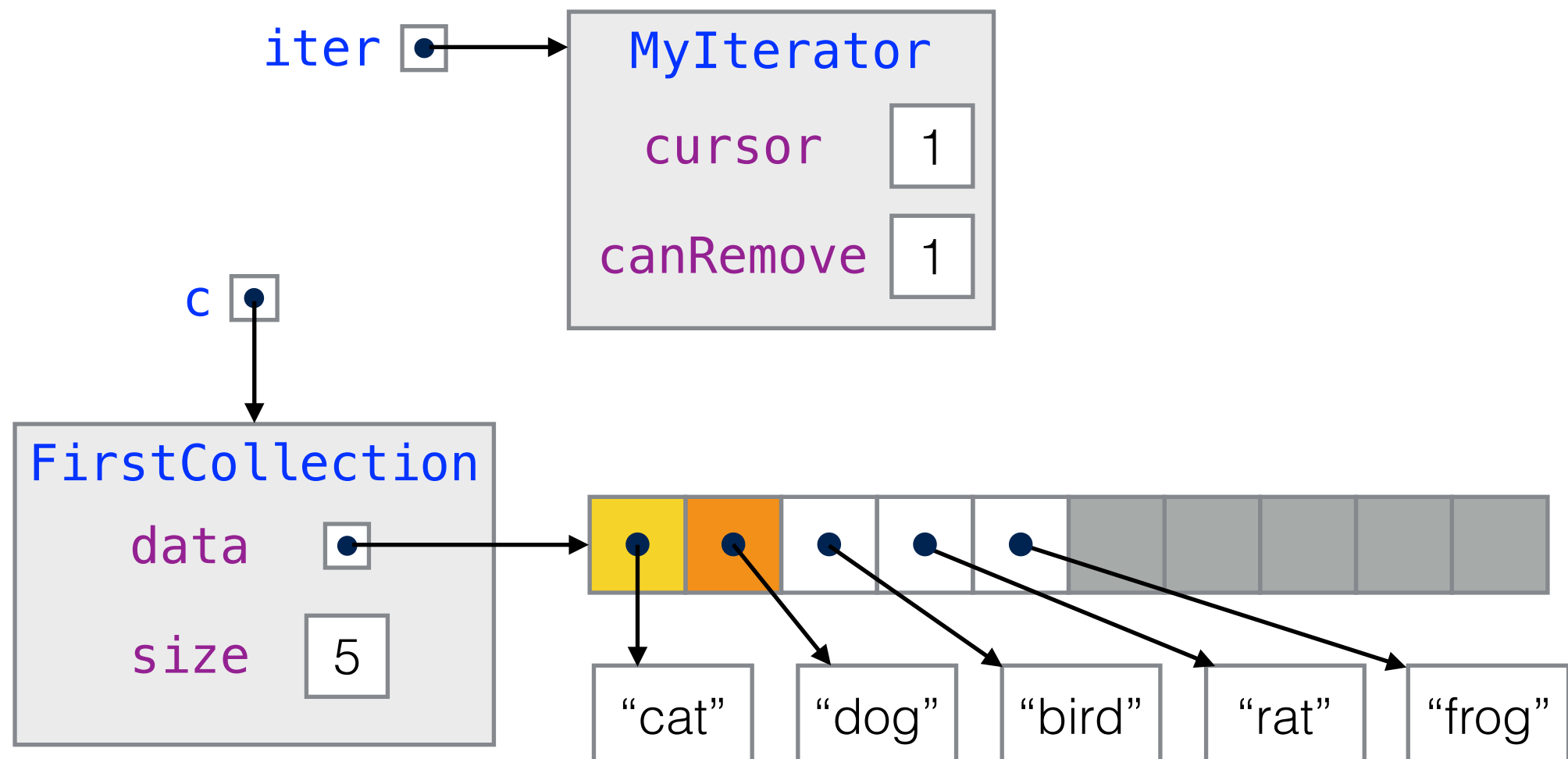
```
Iterator<String> iter = c.iterator()
```



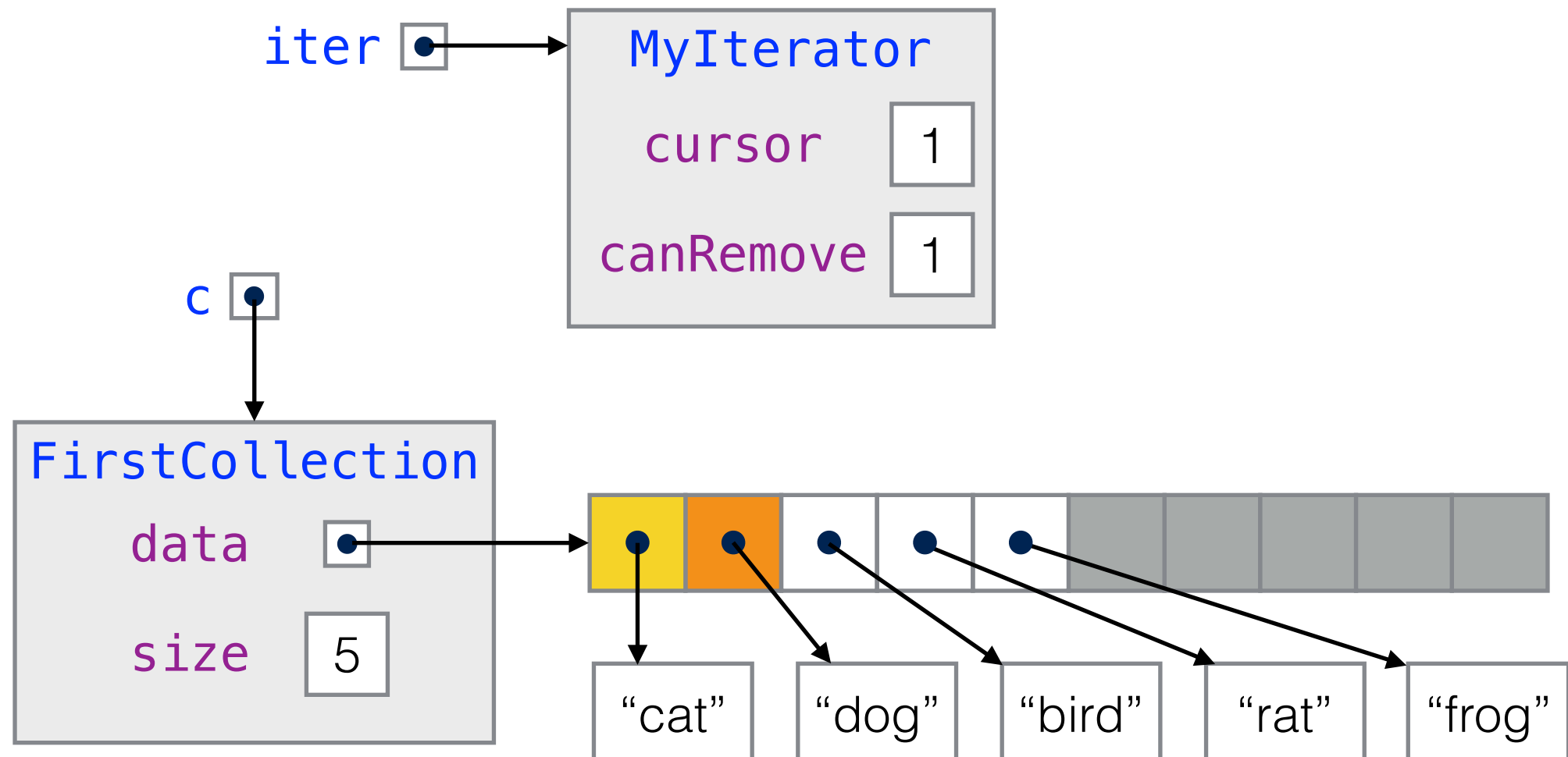


`iter.next()`

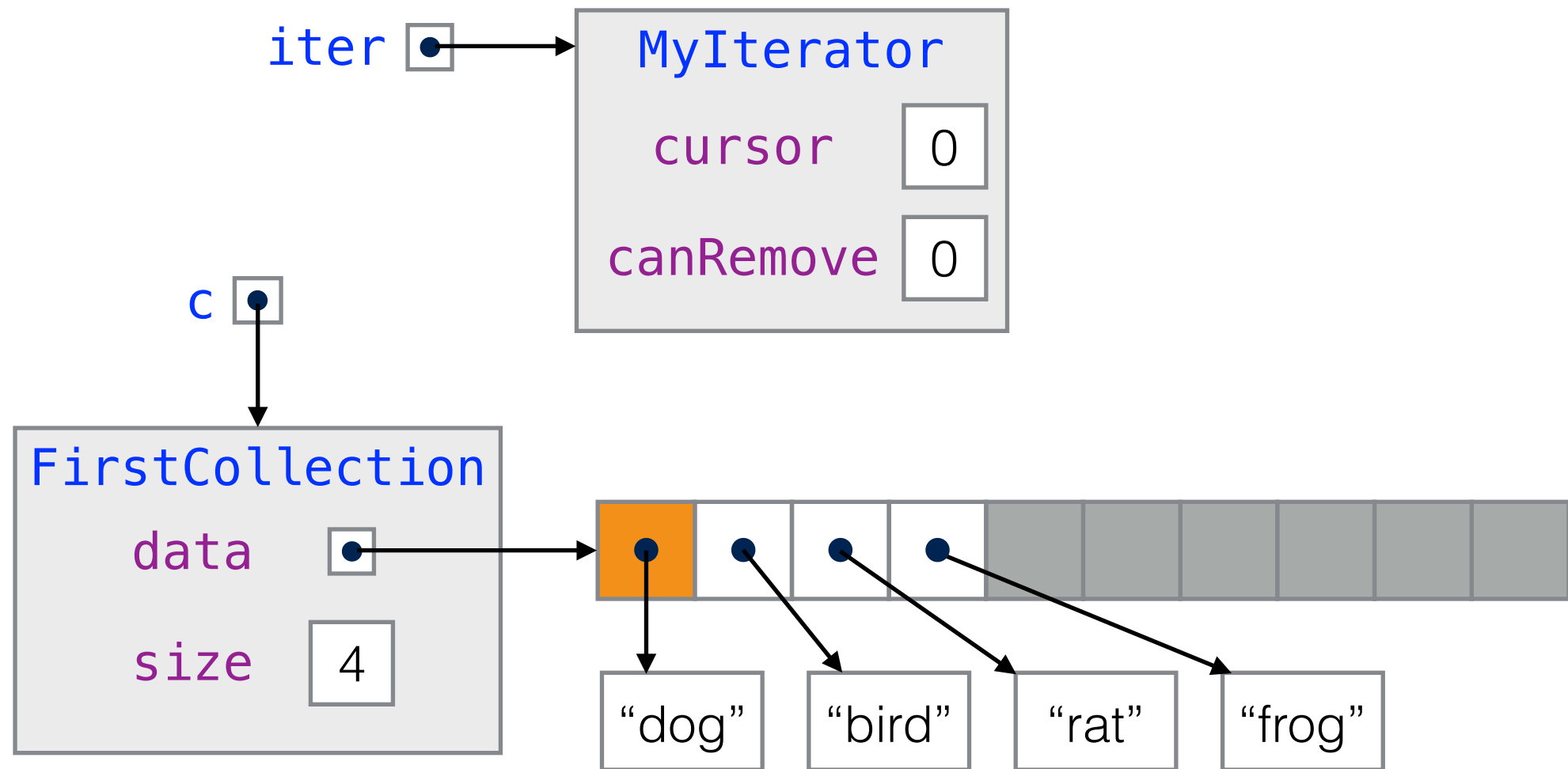


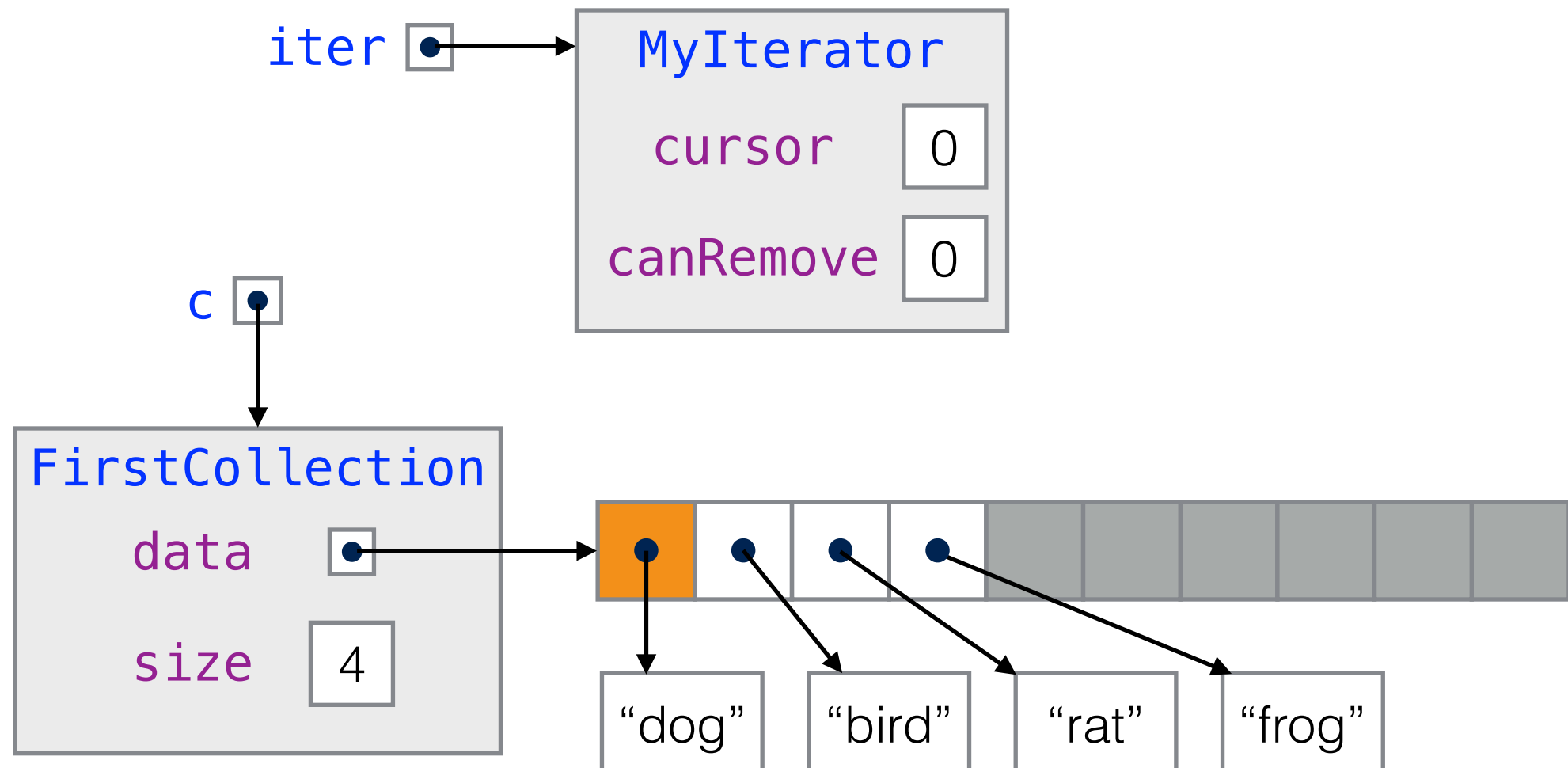


➡ cat

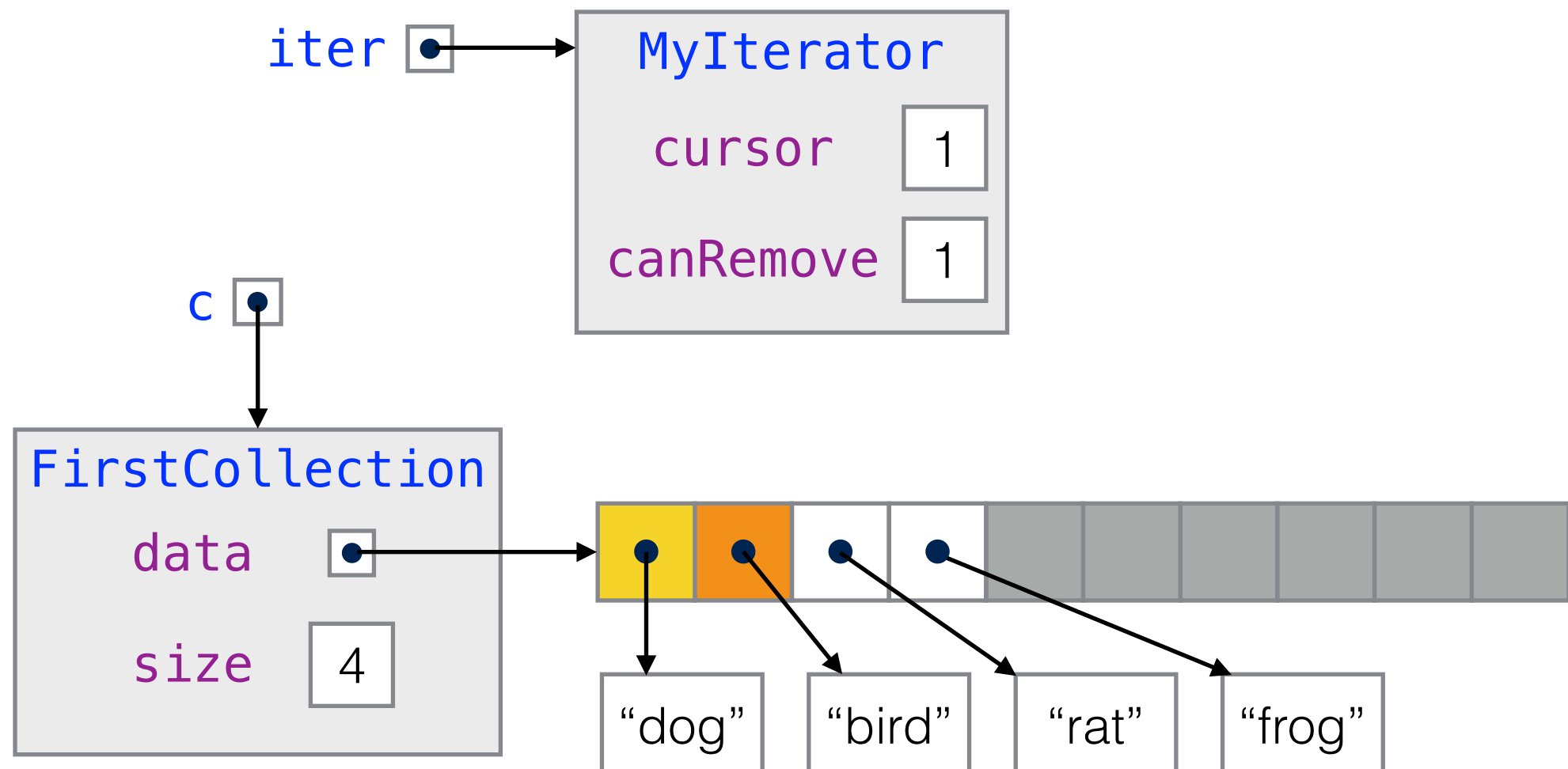


`iter.remove()`

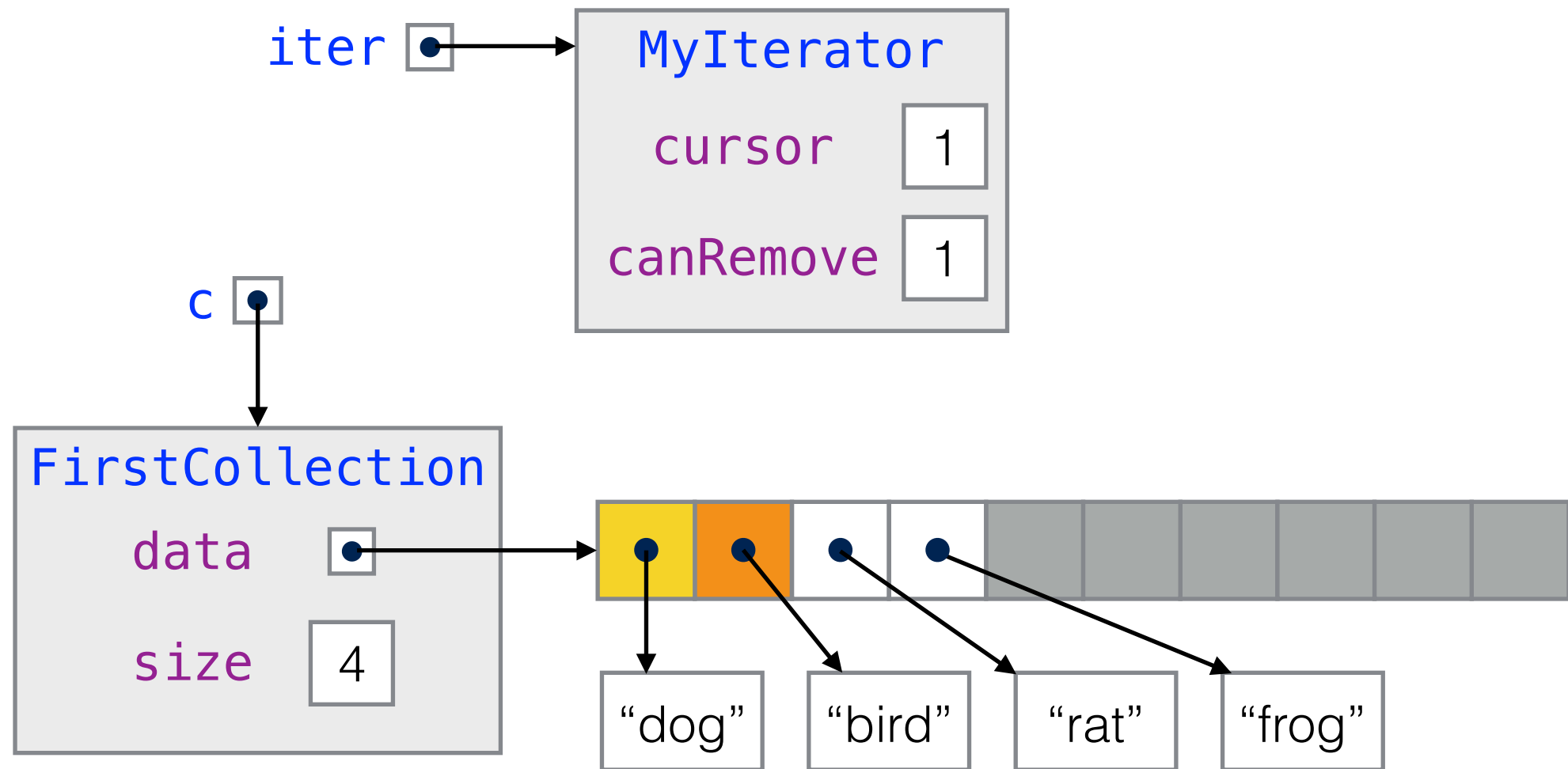


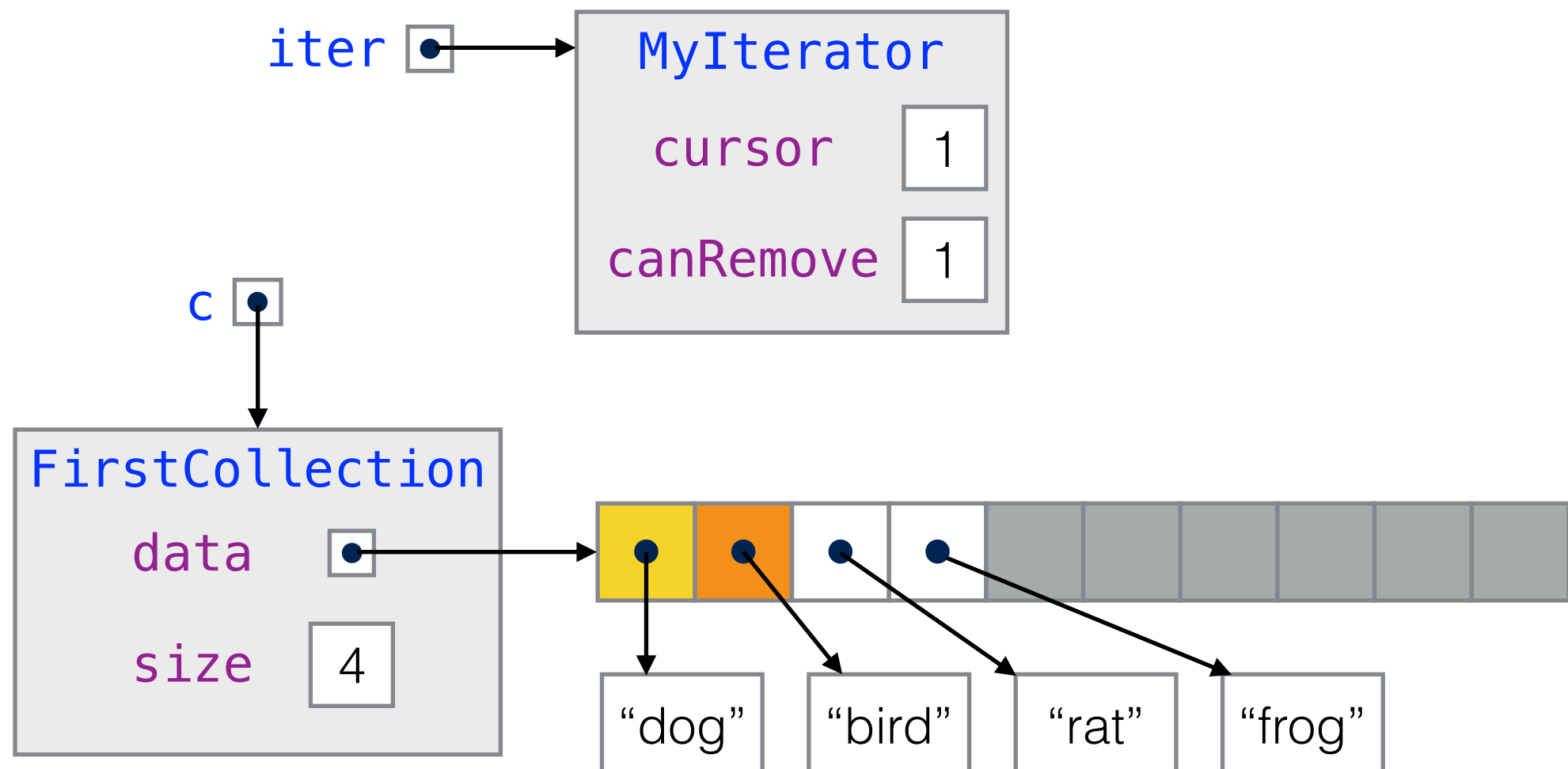


`iter.next()`

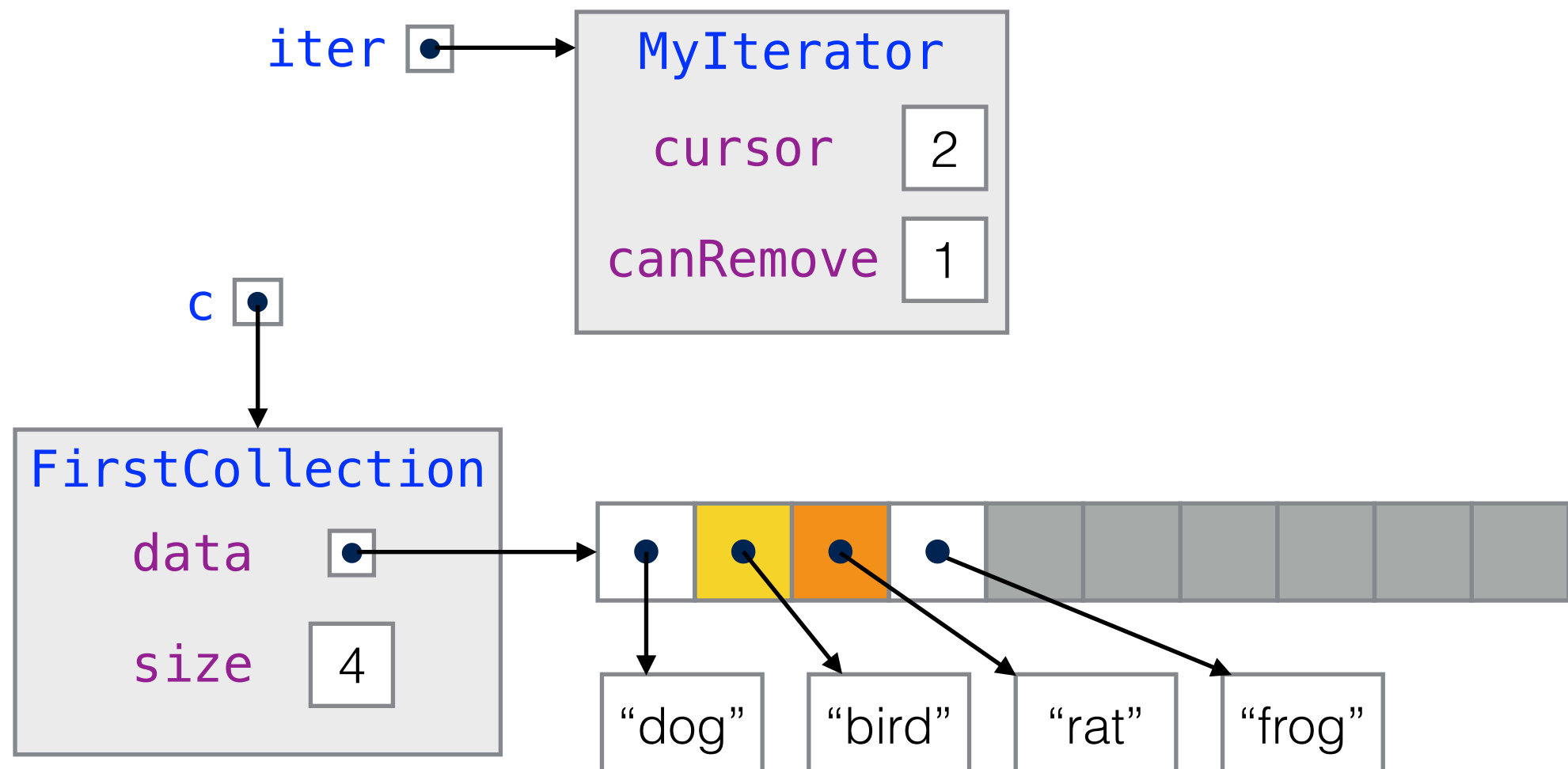


➡ dog



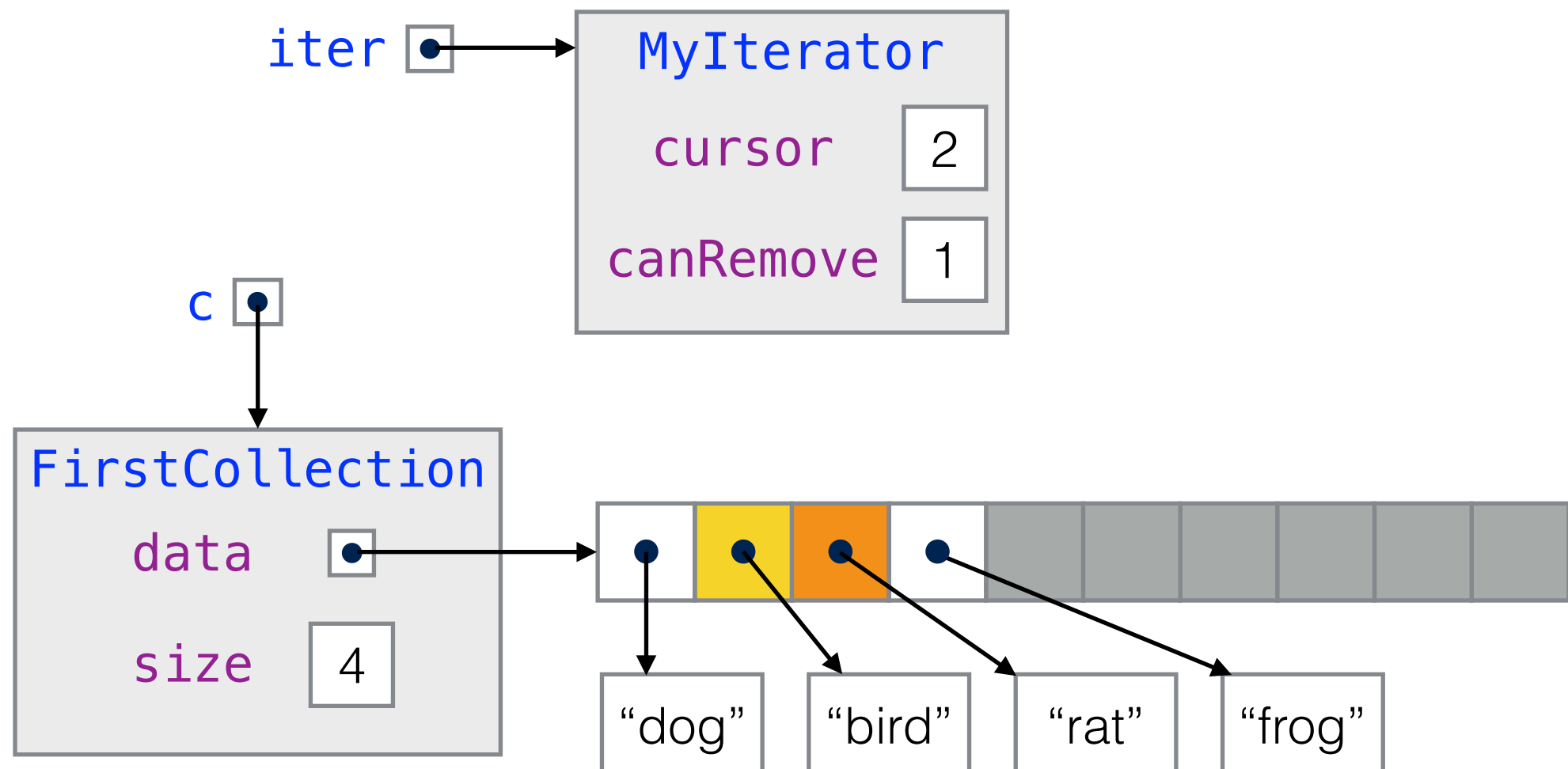


`iter.next()`

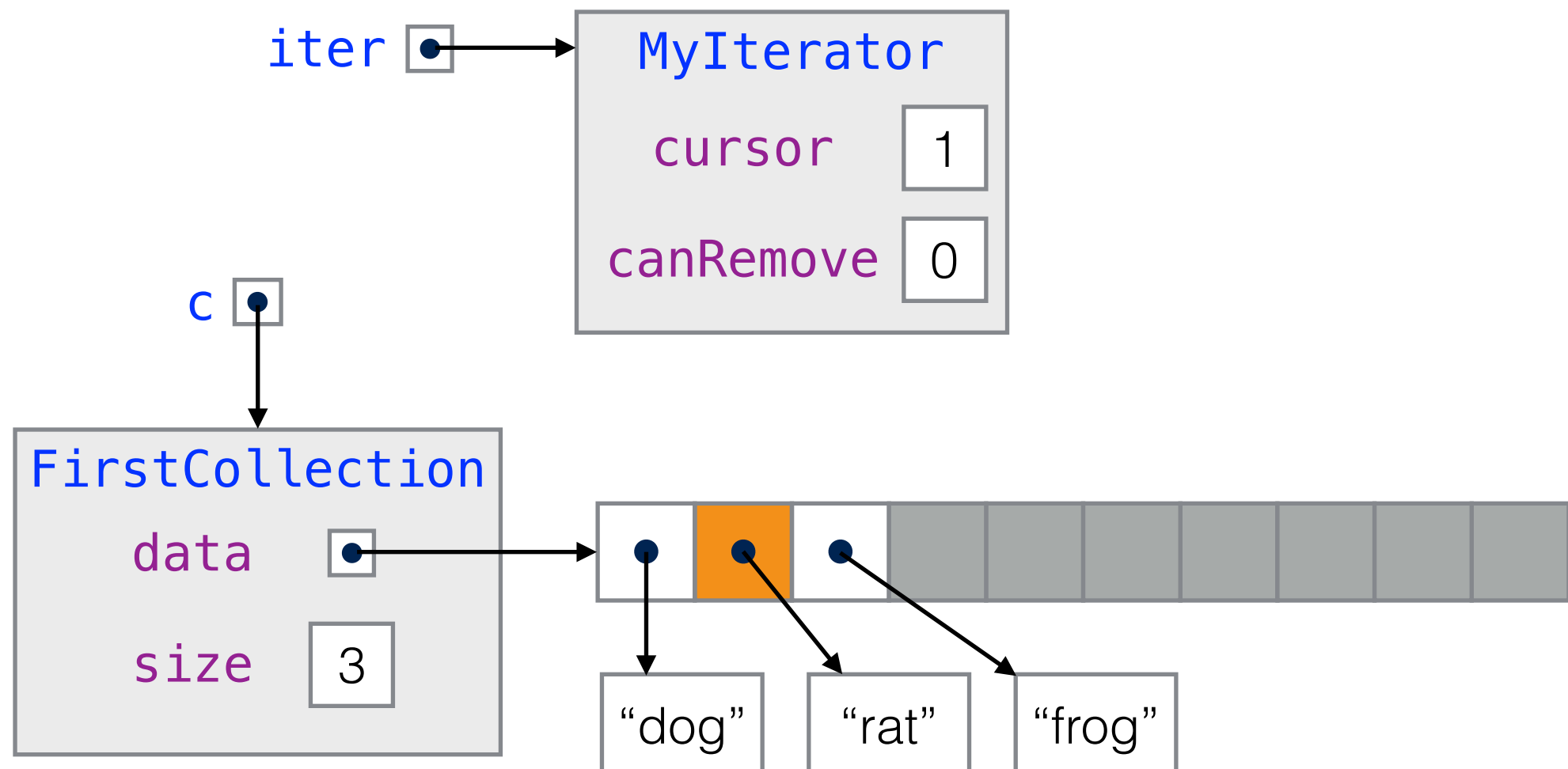


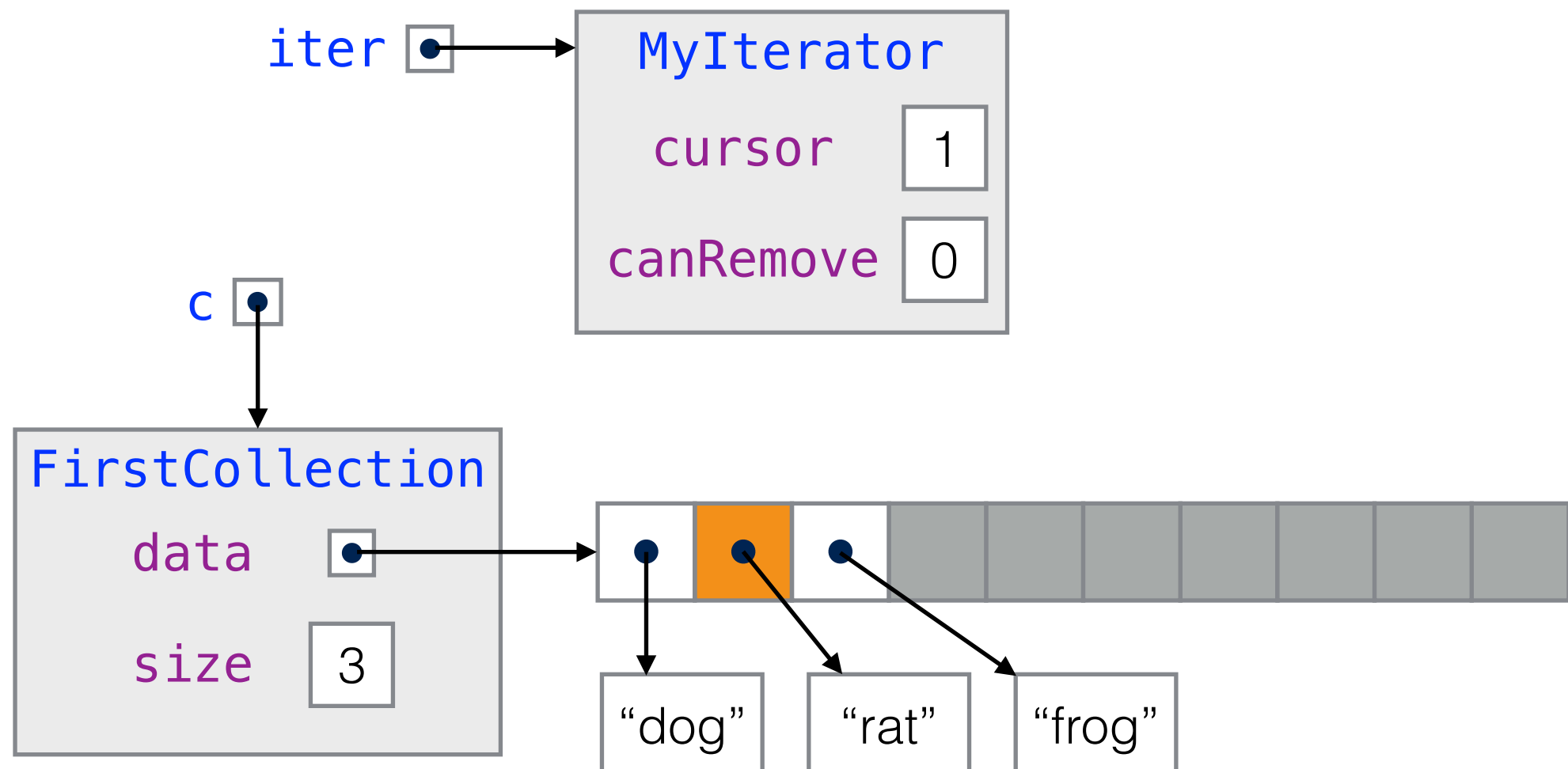
➡ bird



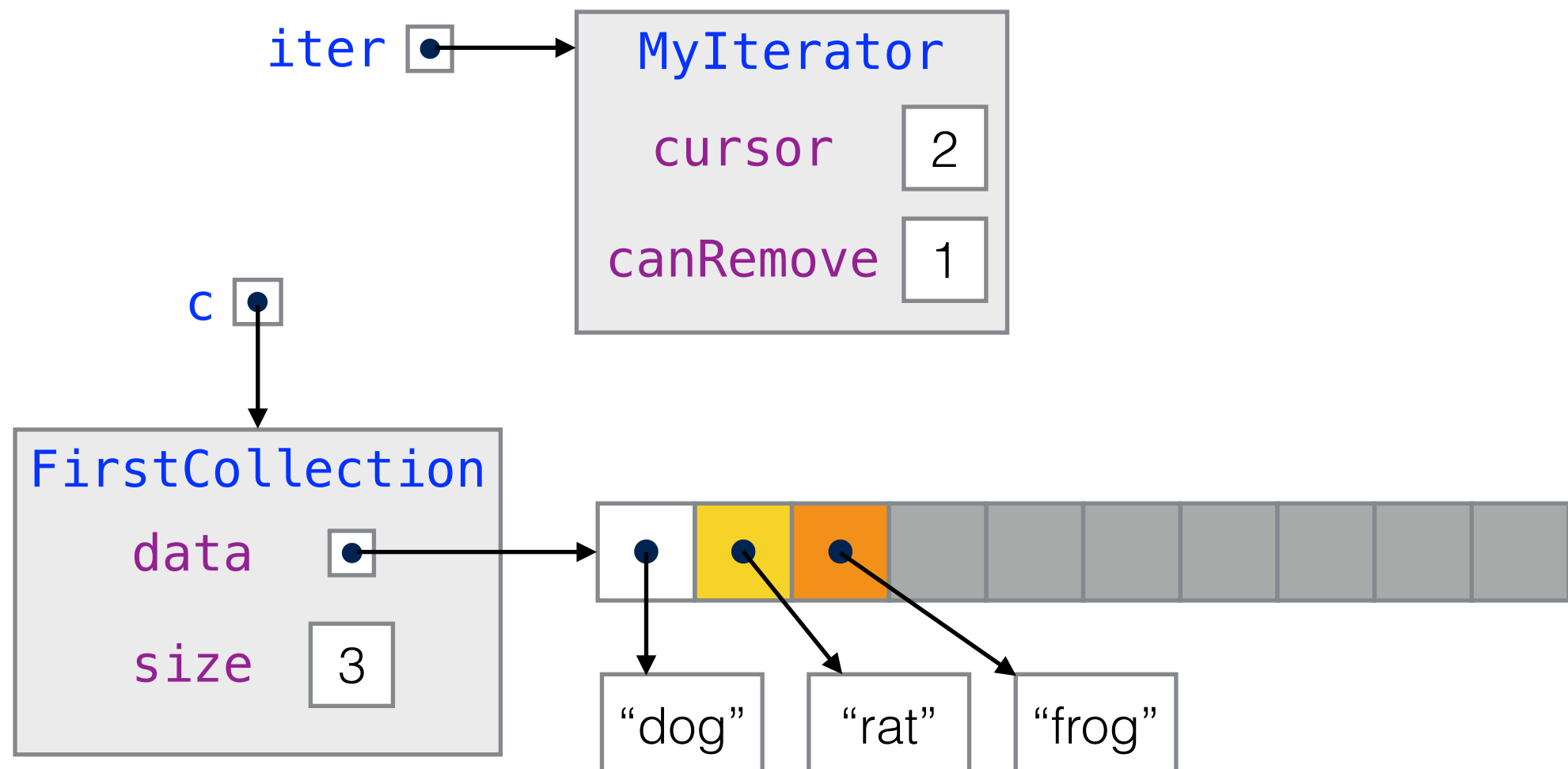


`iter.remove()`

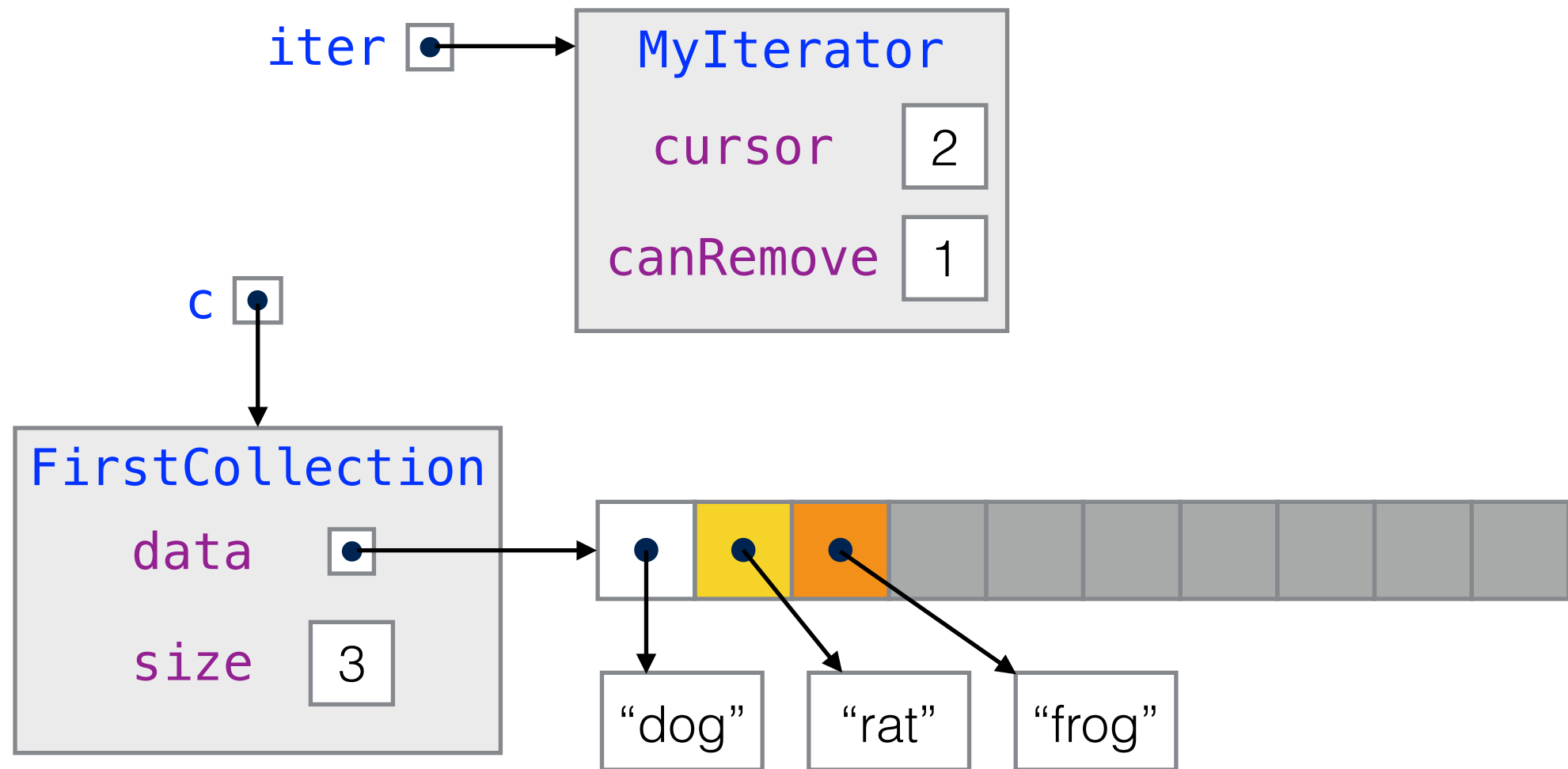


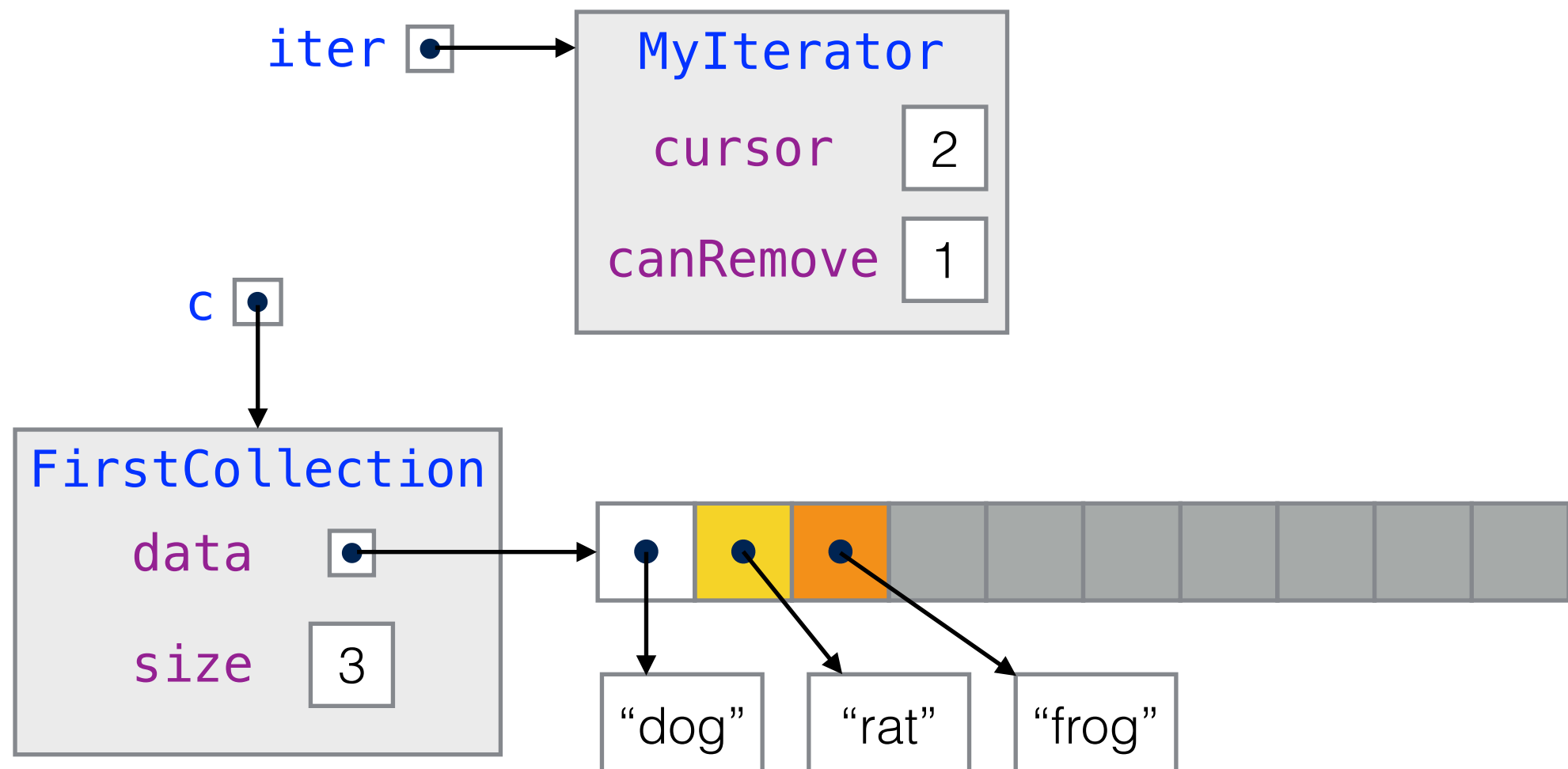


`iter.next()`

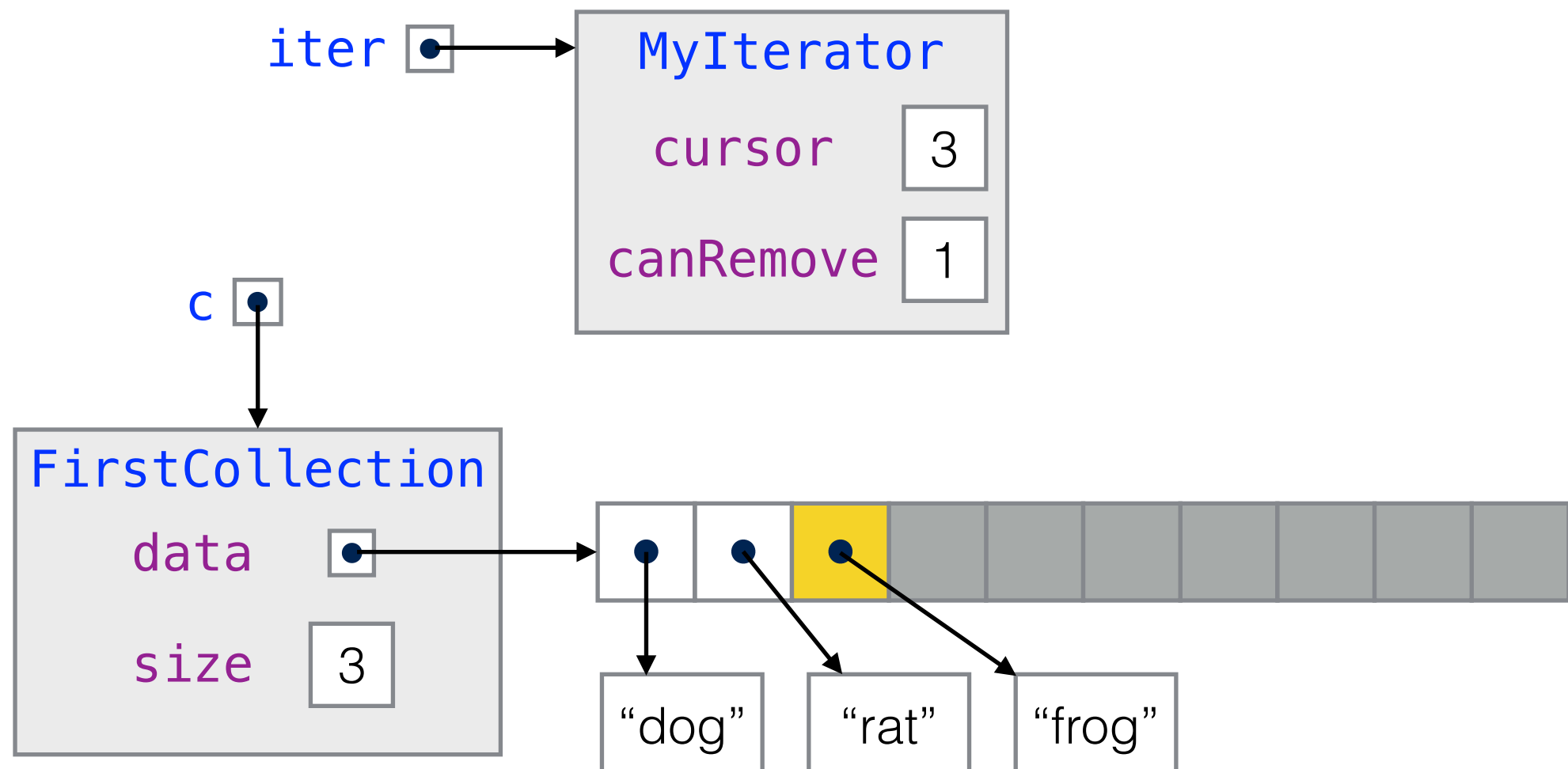


➡ rat

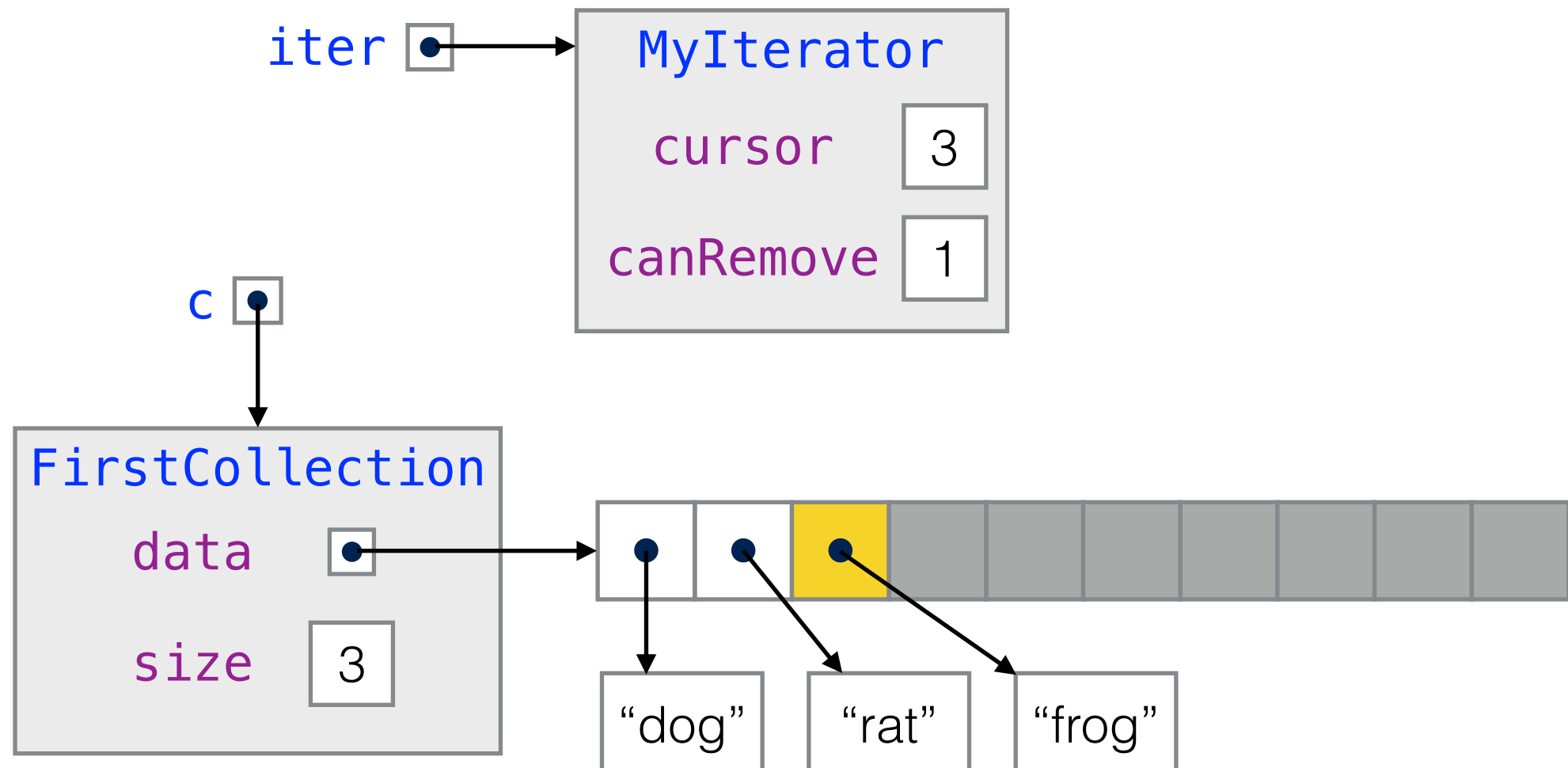




`iter.next()`



➡ frog



`iter.hasNext() == false`