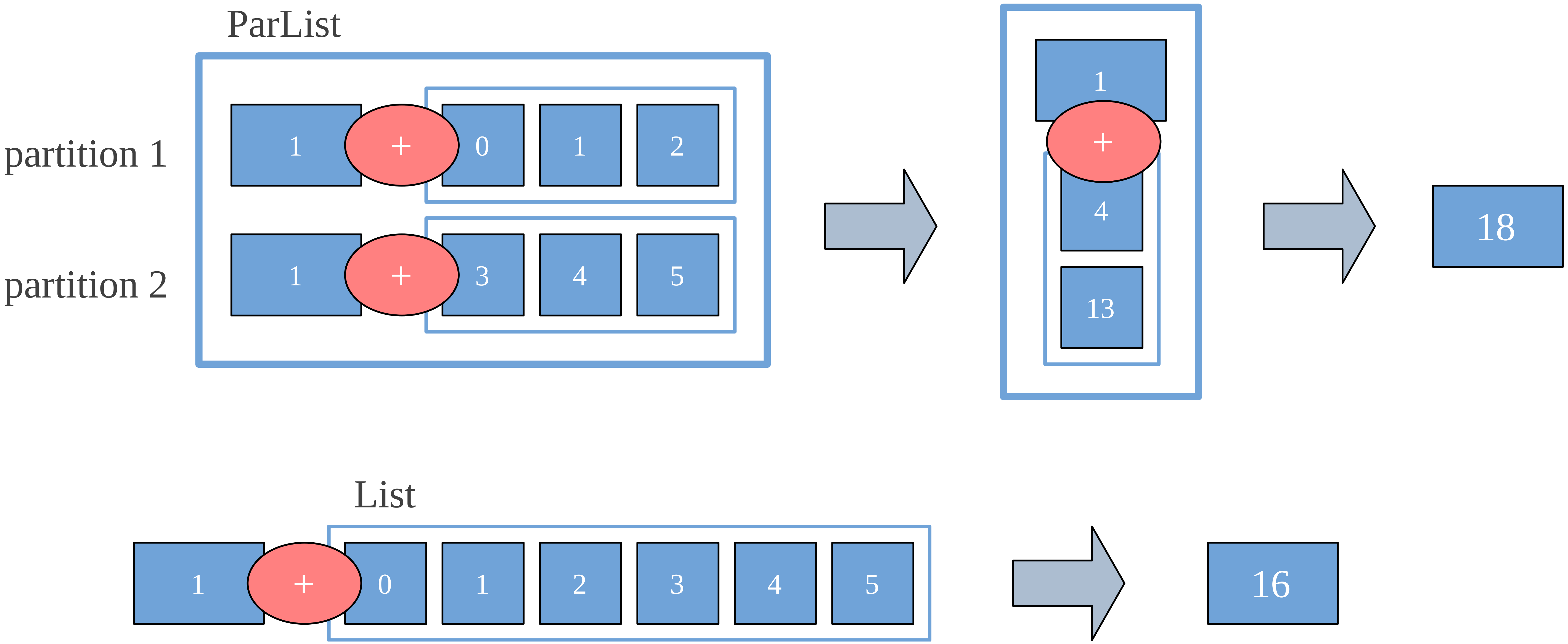
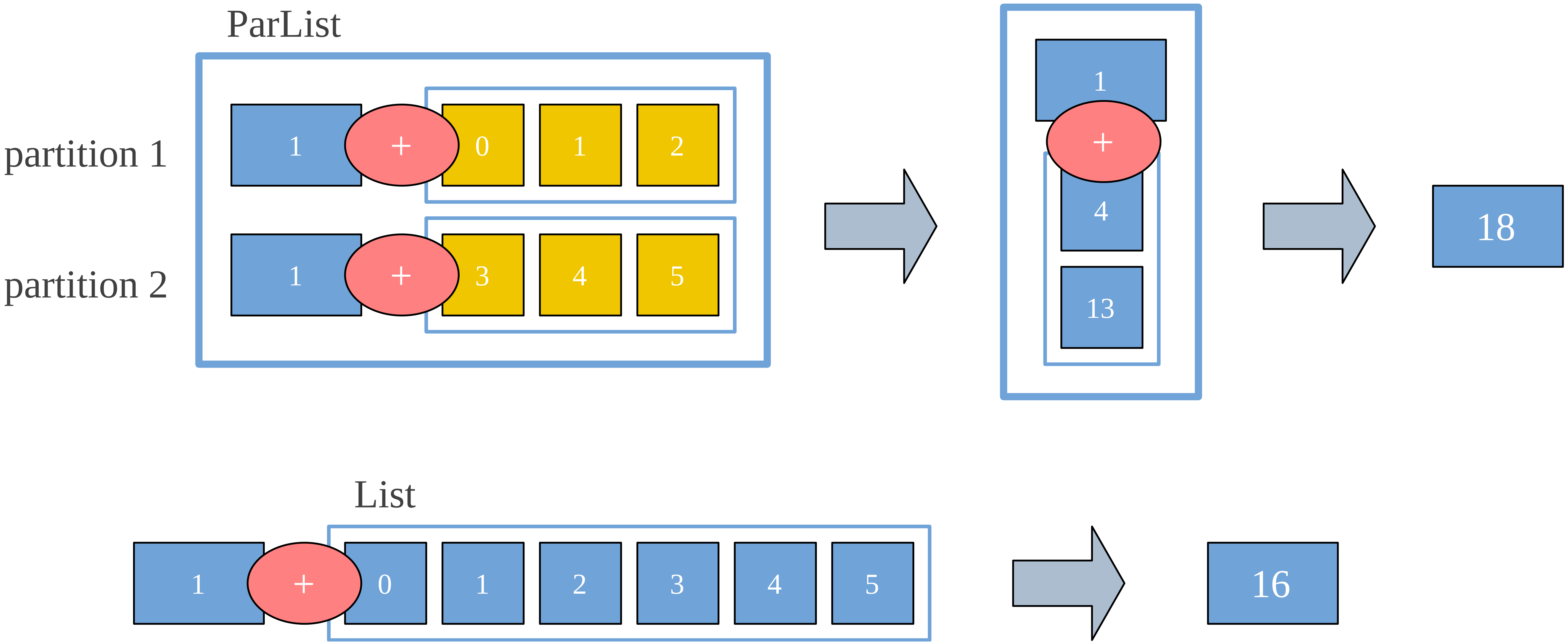
ANALYSIS OF GLOBAL TEMPERATURE PART 2

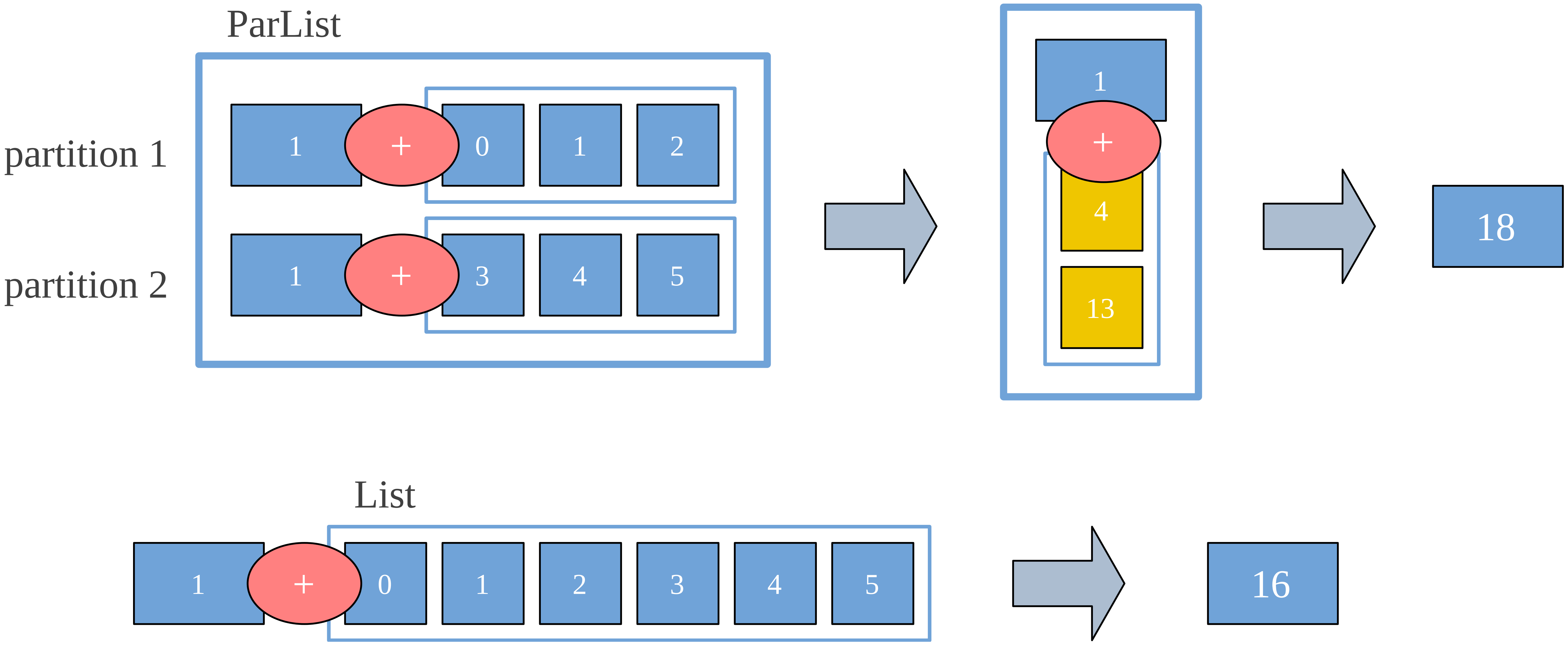
monoFoldLeft vs List foldLeft



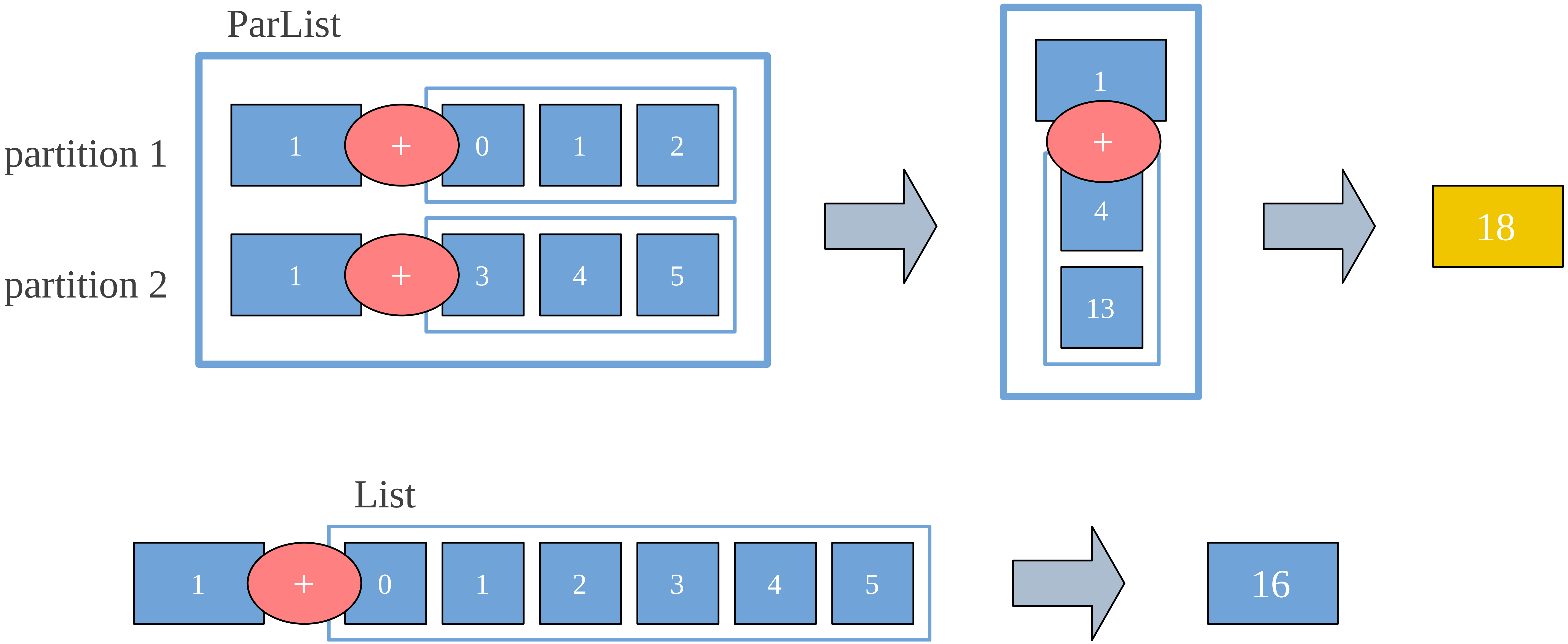
monoFoldLeft vs List foldLeft



monoFoldLeft vs List foldLeft



monoFoldLeft vs List foldLeft



ParList

partition 1

1 + 0 1 2

partition 2

1 + 3 4 5

1 + 4 13

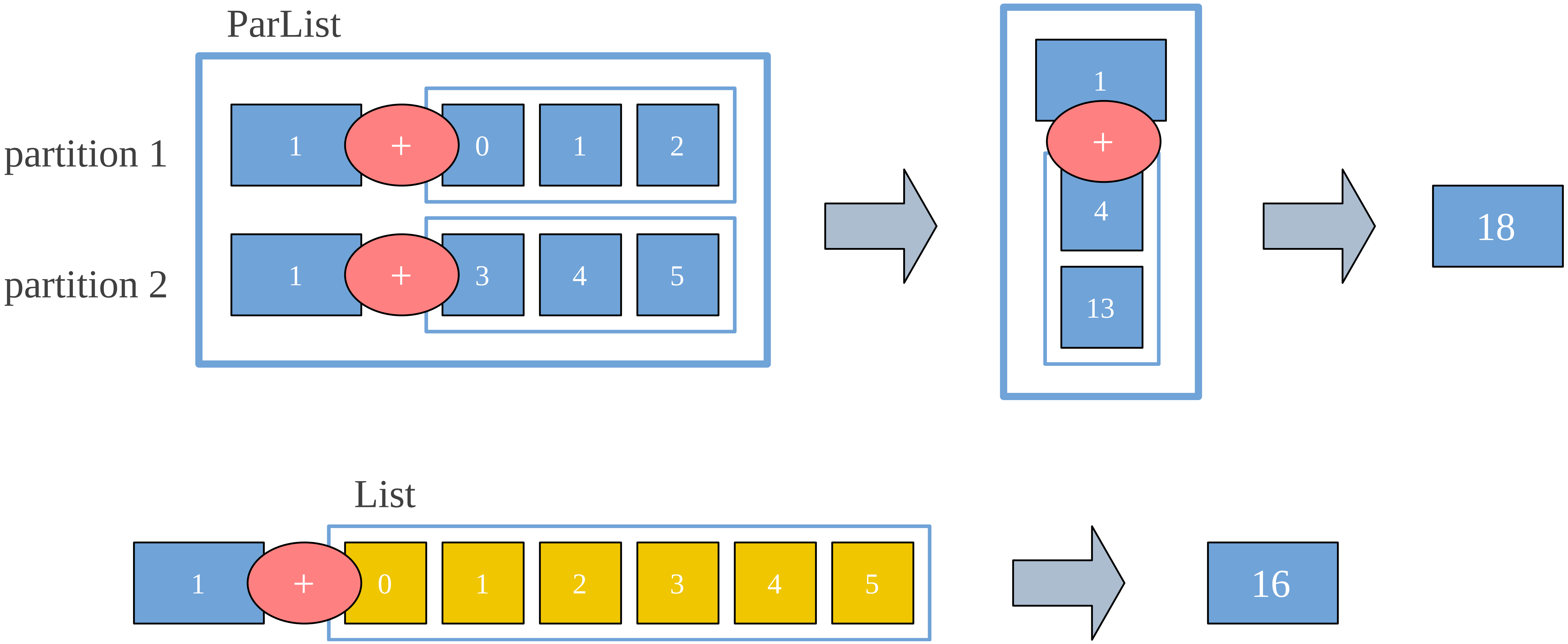
18

List

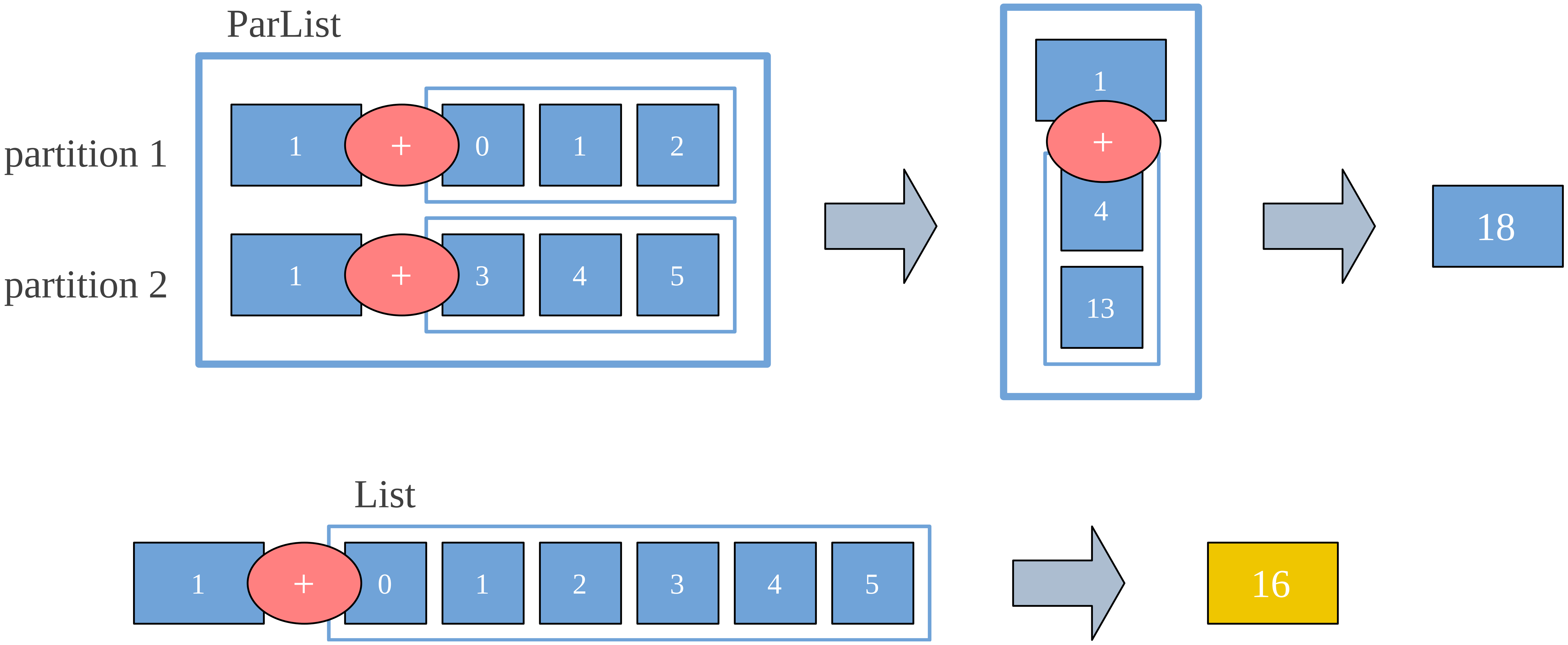
1 + 0 1 2 3 4 5

16

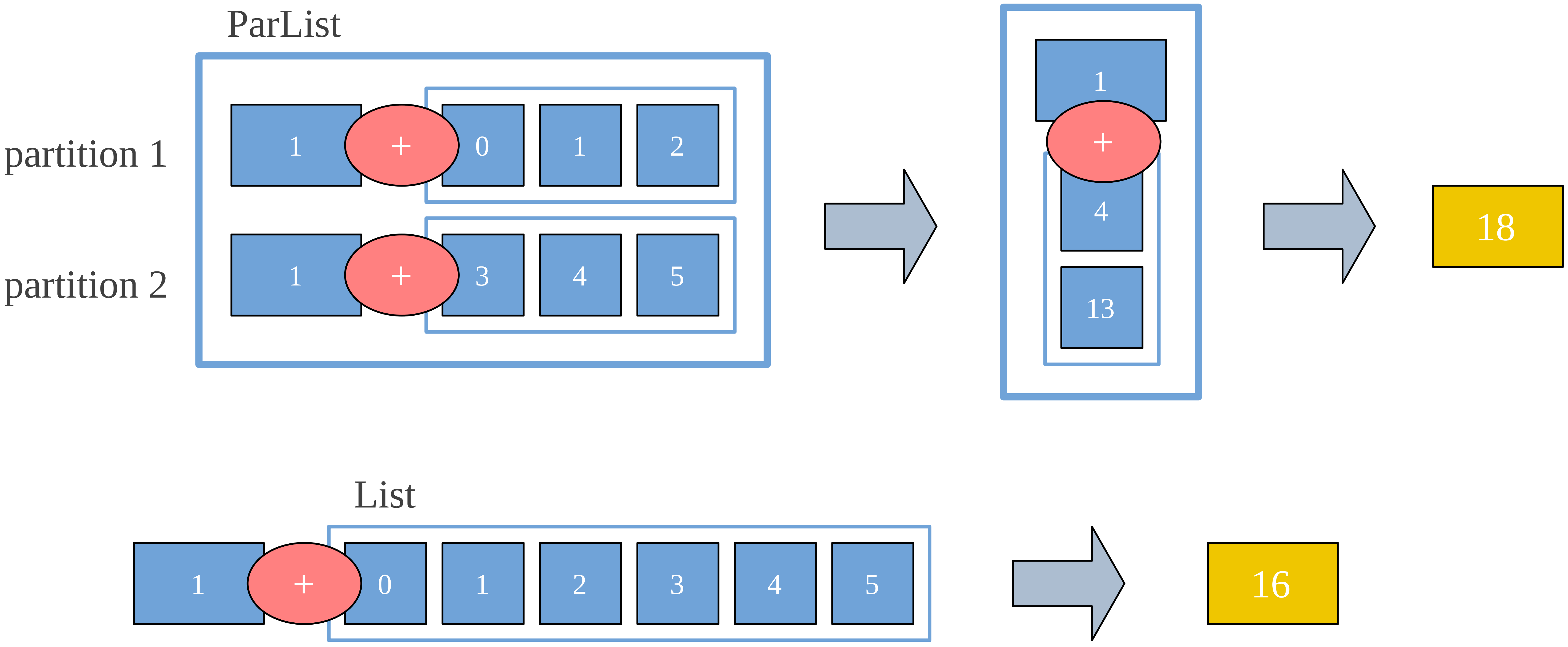
monoFoldLeft vs List foldLeft



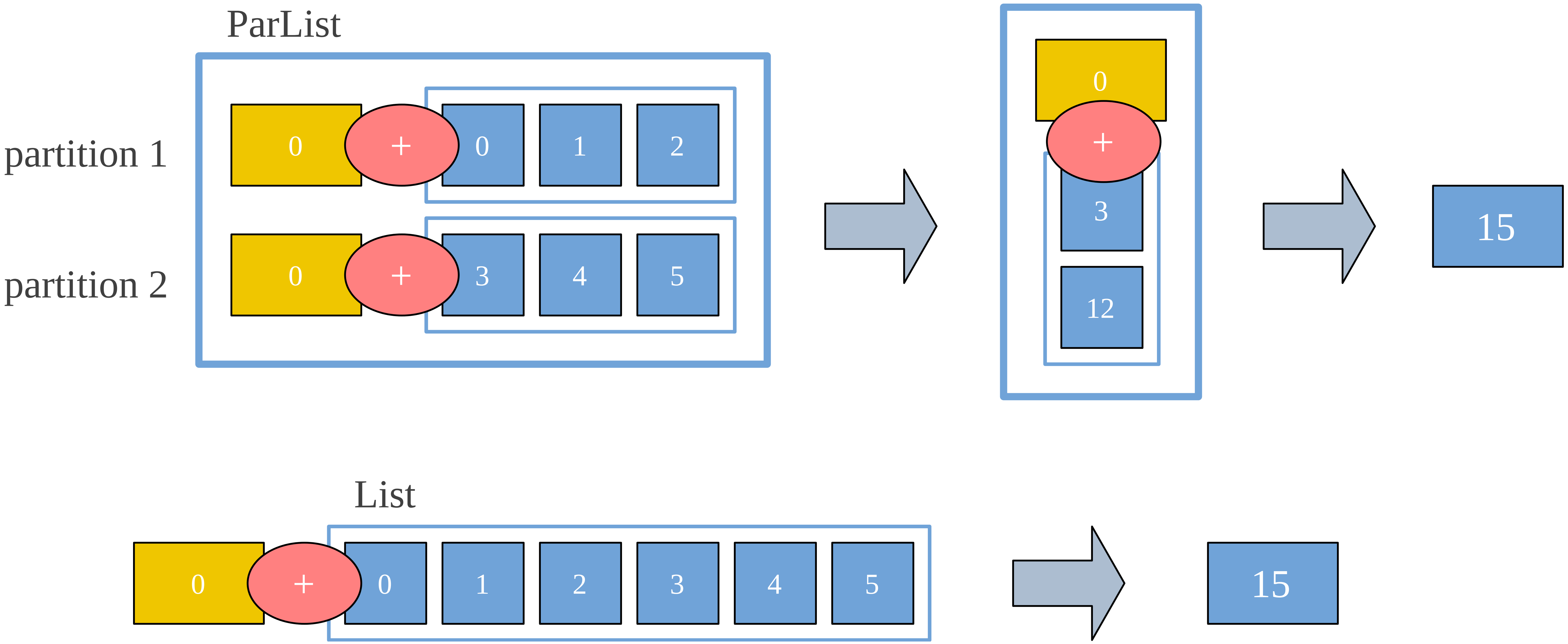
monoFoldLeft vs List foldLeft



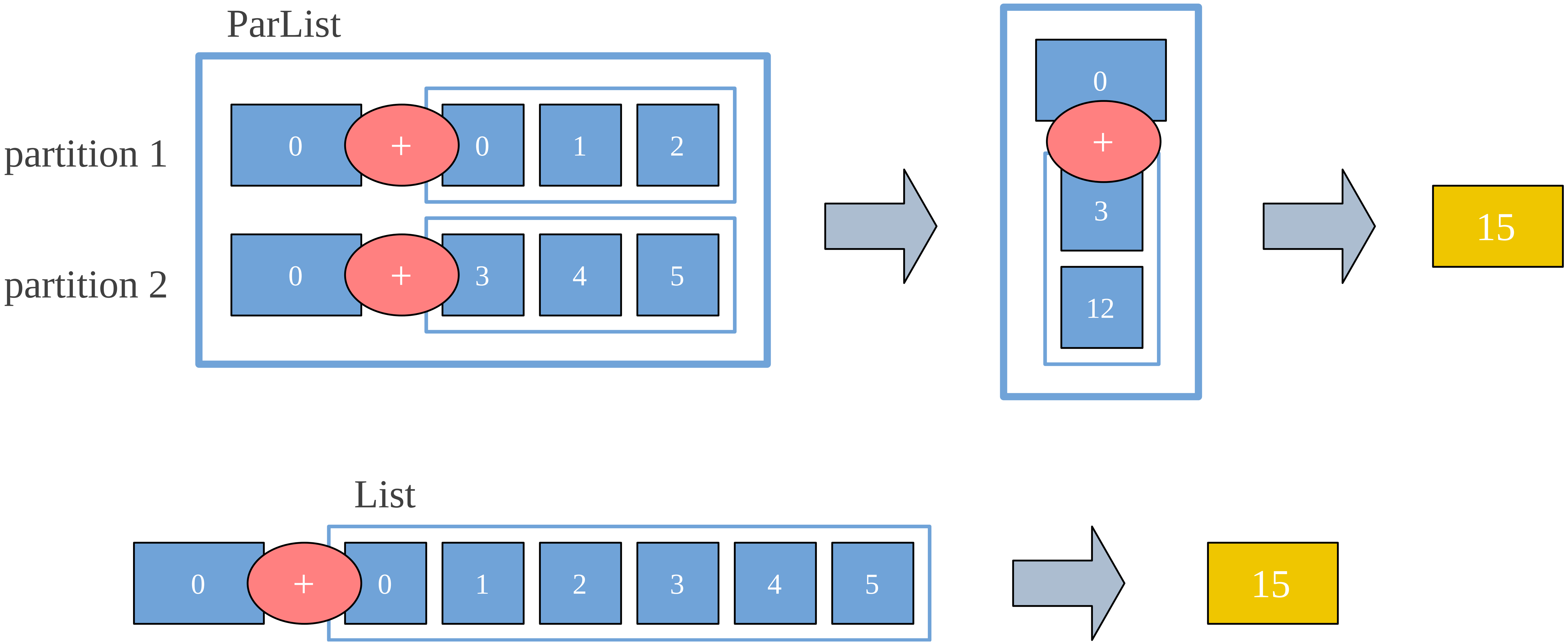
monoFoldLeft vs List foldLeft



monoFoldLeft vs List foldLeft



monoFoldLeft vs List foldLeft



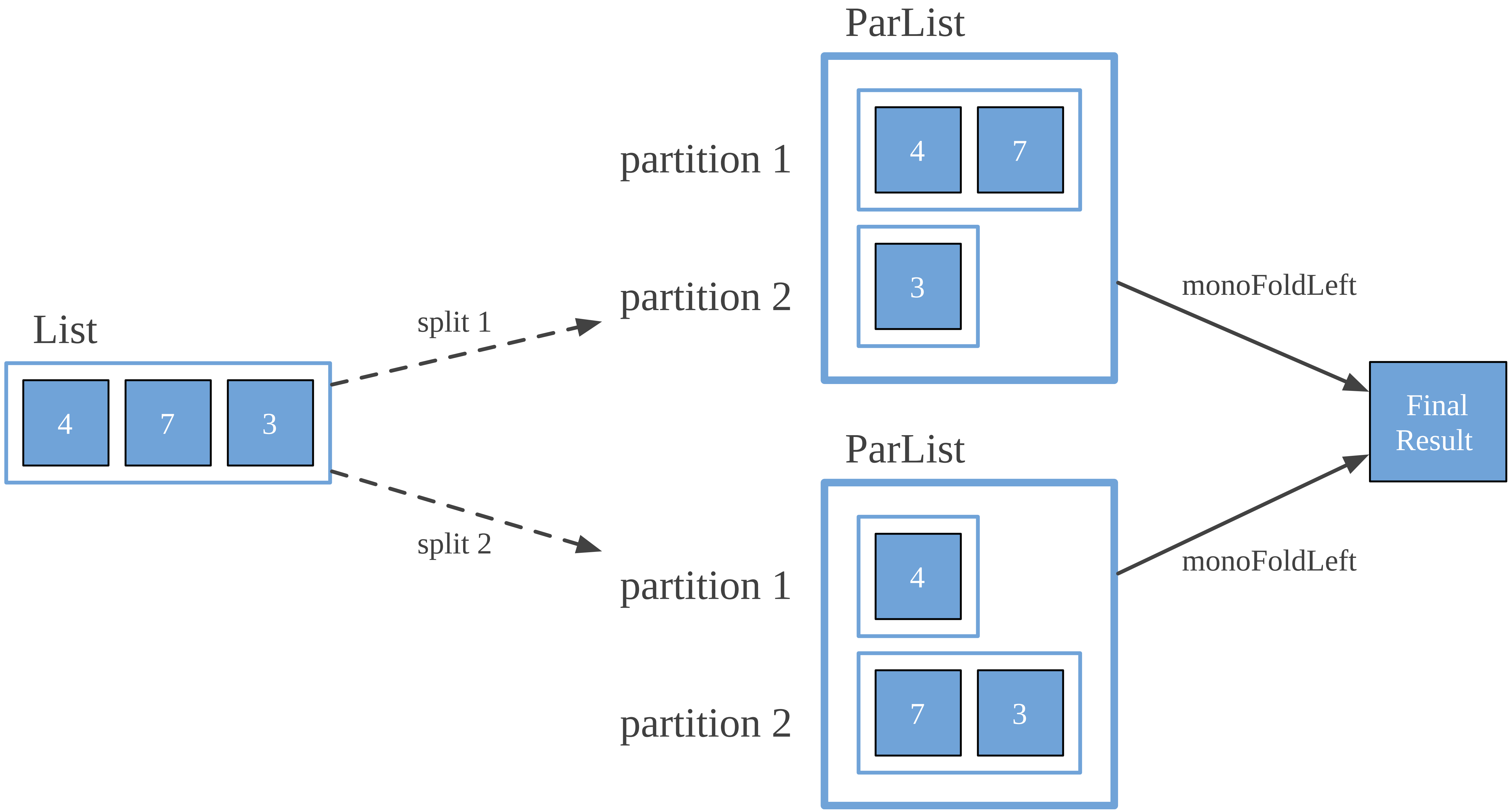
0 + x == x

x + 0 == x

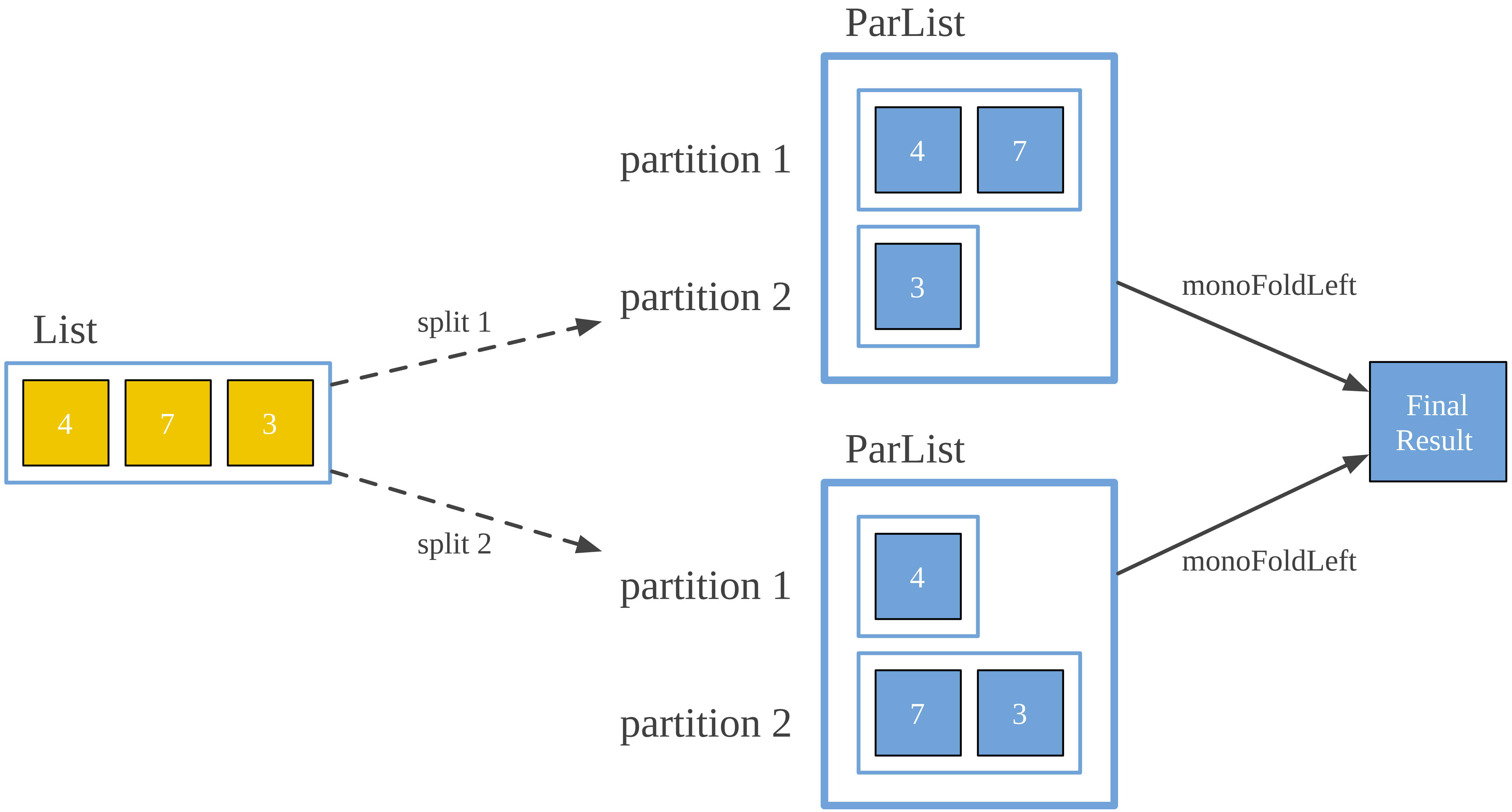
```
0 + x == x            combine(default, x) == x

x + 0 == x            combine(x, default) == x
```

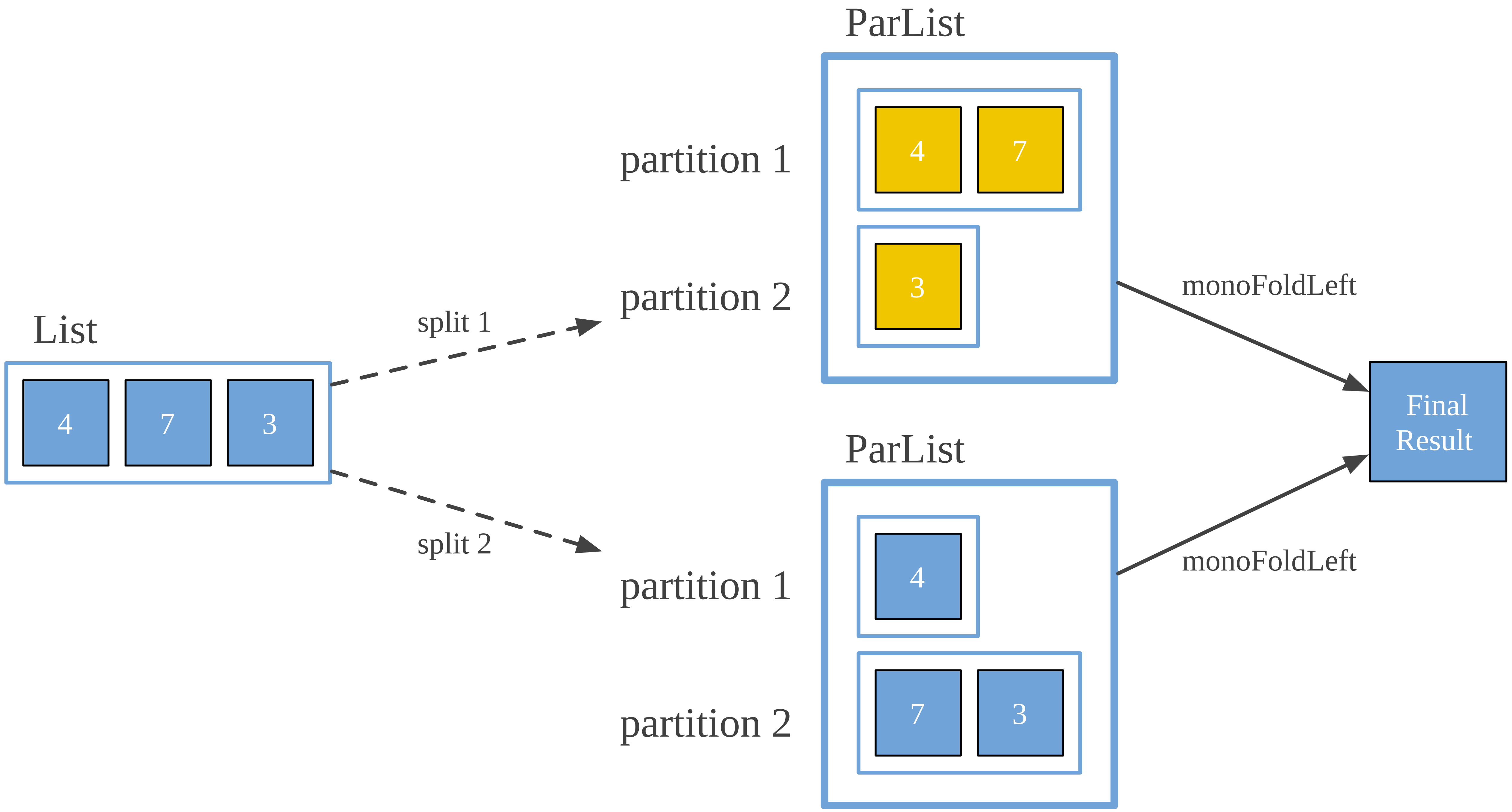
monoFoldLeft is stable



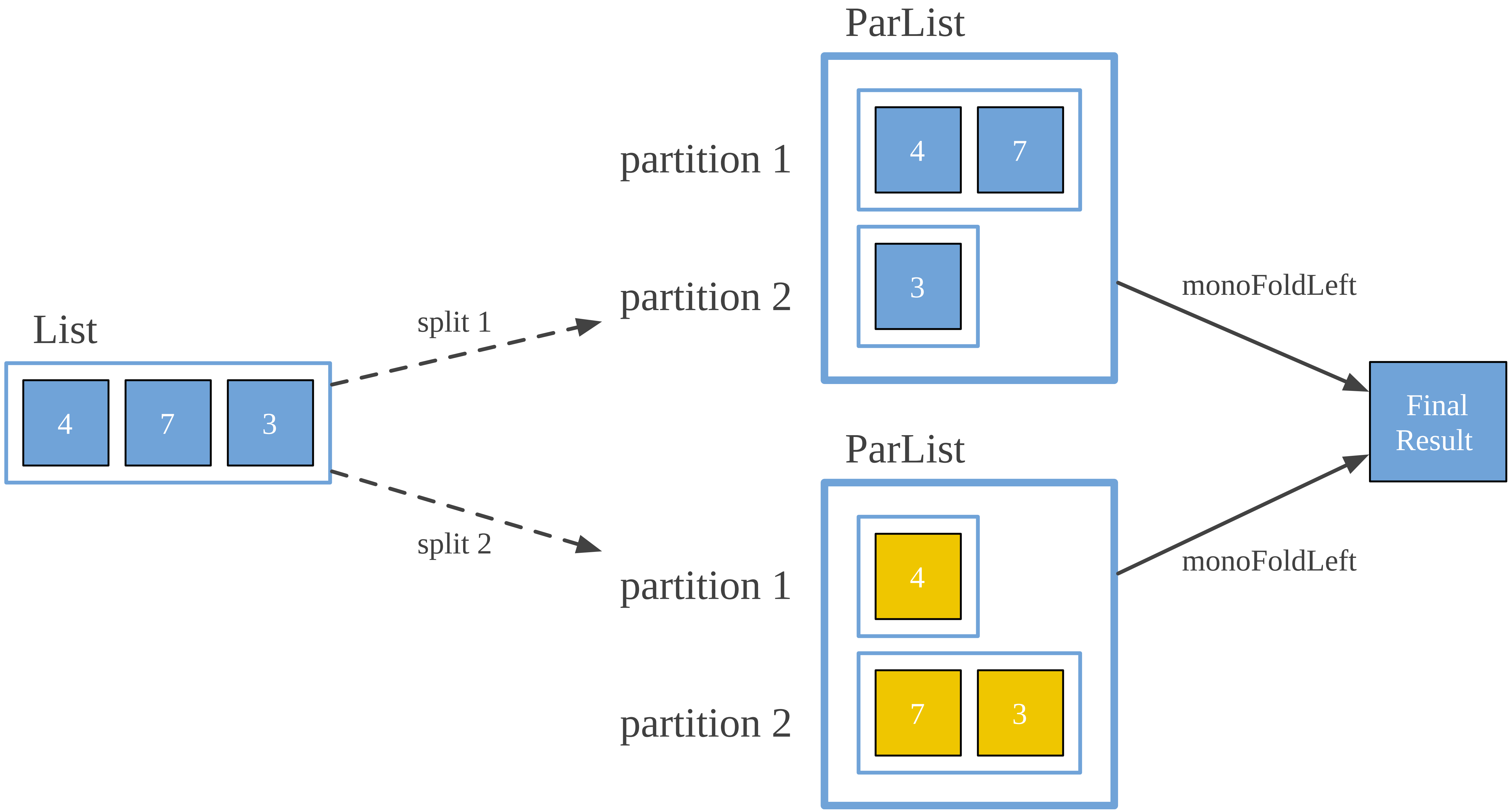
monoFoldLeft is stable



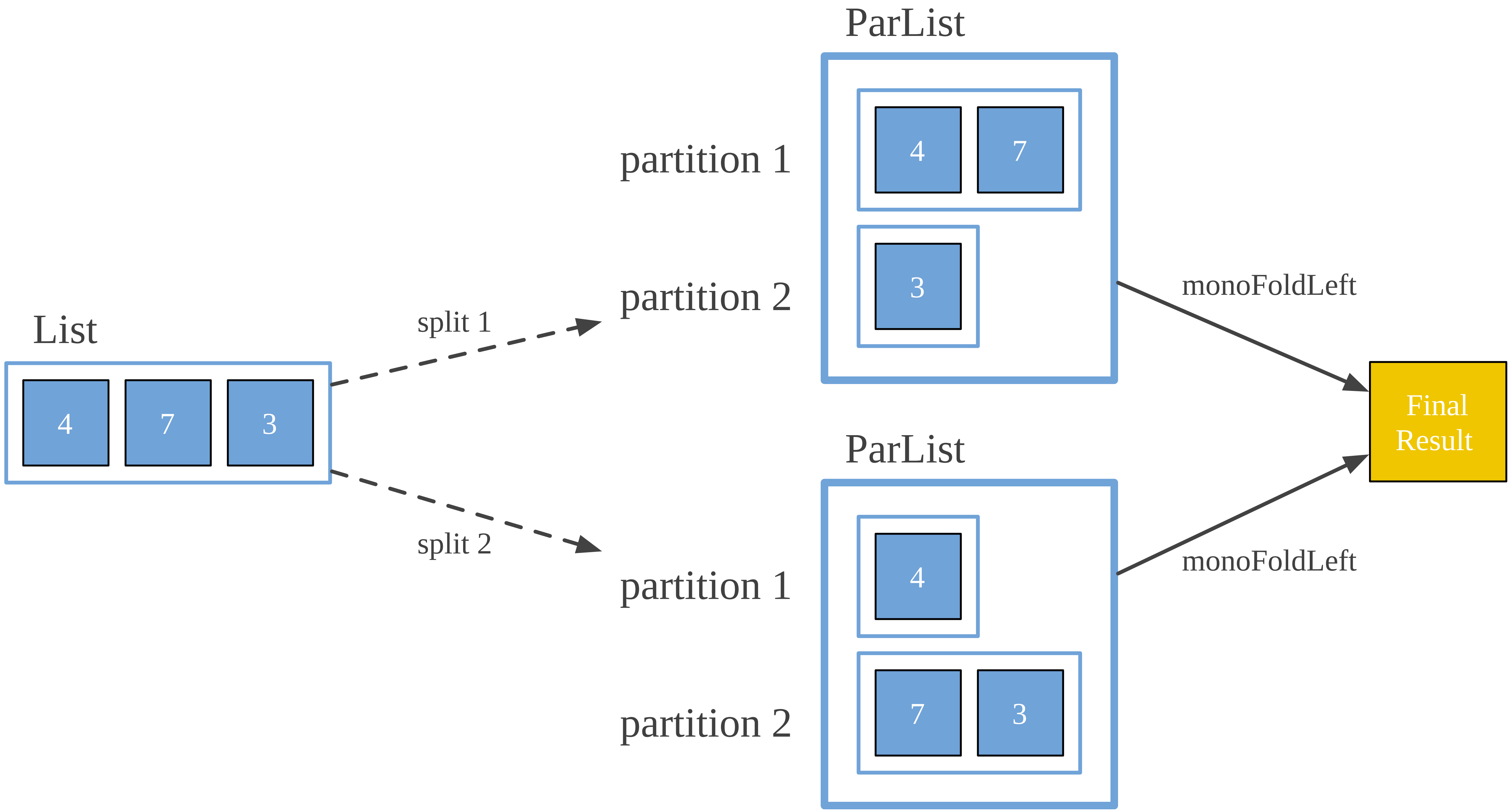
monoFoldLeft is stable



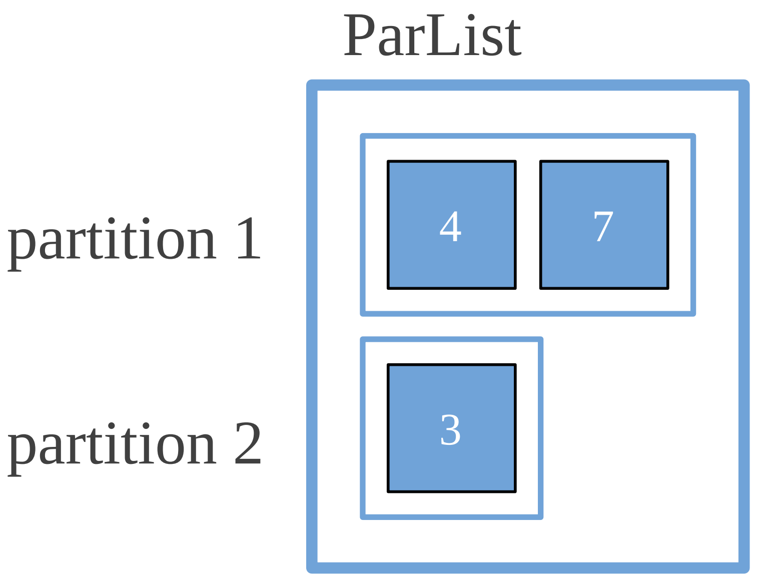
monoFoldLeft is stable



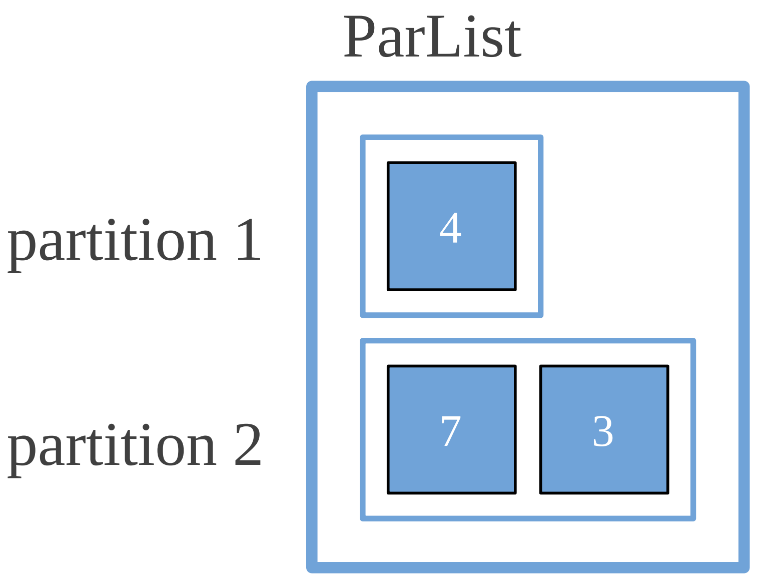
monoFoldLeft is stable



monoFoldLeft is stable

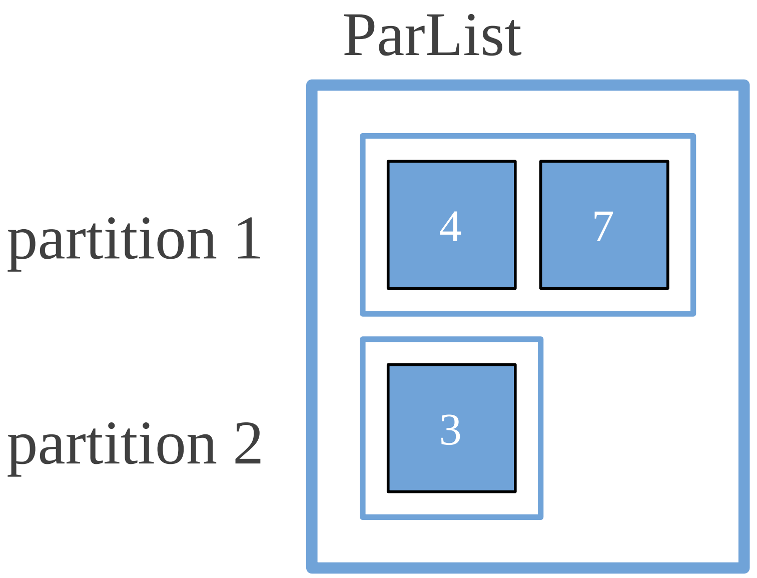


```
val partition1  = combine(combine(default, 4), 7)
val partition2  = combine(default, 3)
val finalResult = combine(combine(default, partition1), partition2)
```



```
val partition1  = combine(default, 4)
val partition2  = combine(combine(default, 7), 3)
val finalResult = combine(combine(default, partition1), partition2)
```

monoFoldLeft is stable



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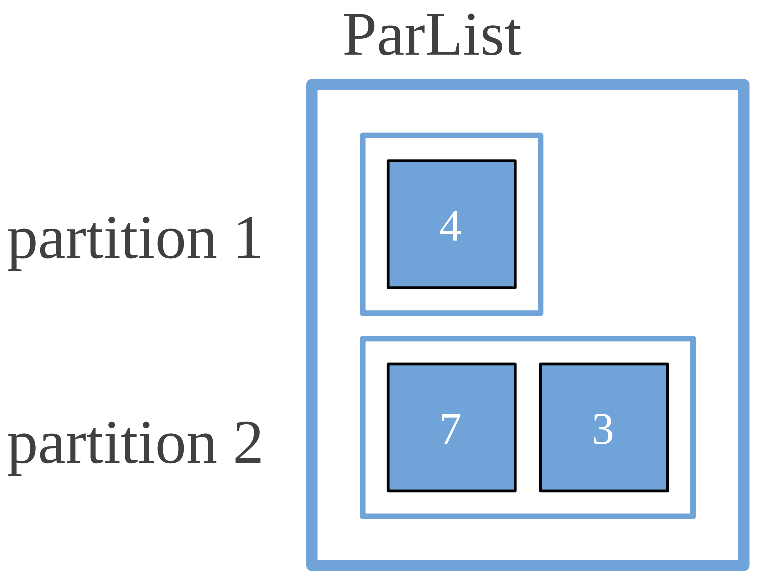
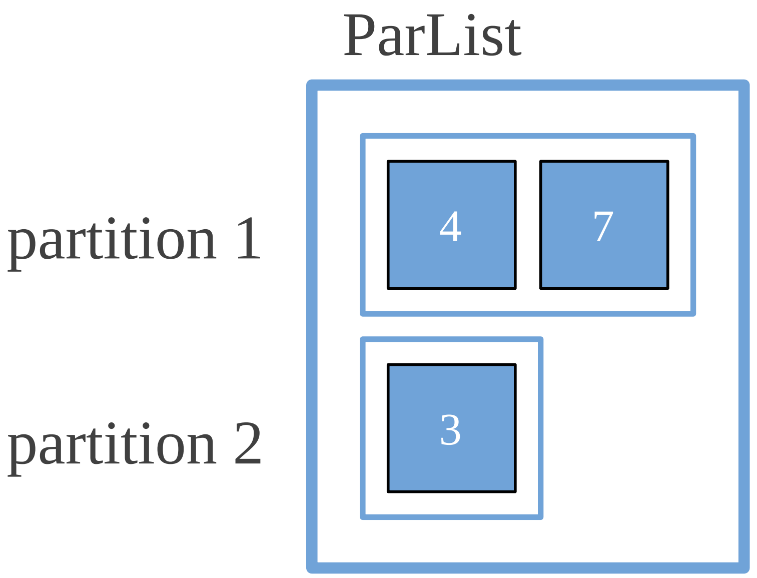
```



```
val partition1  = combine(default, 4)
val partition2  = combine(combine(default, 7), 3)
val finalResult = combine(combine(default, partition1), partition2)
```

monoFoldLeft is stable



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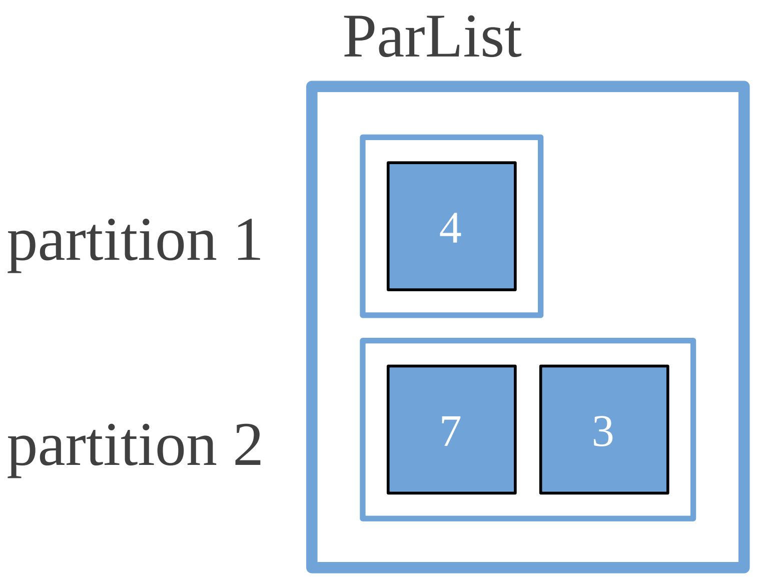
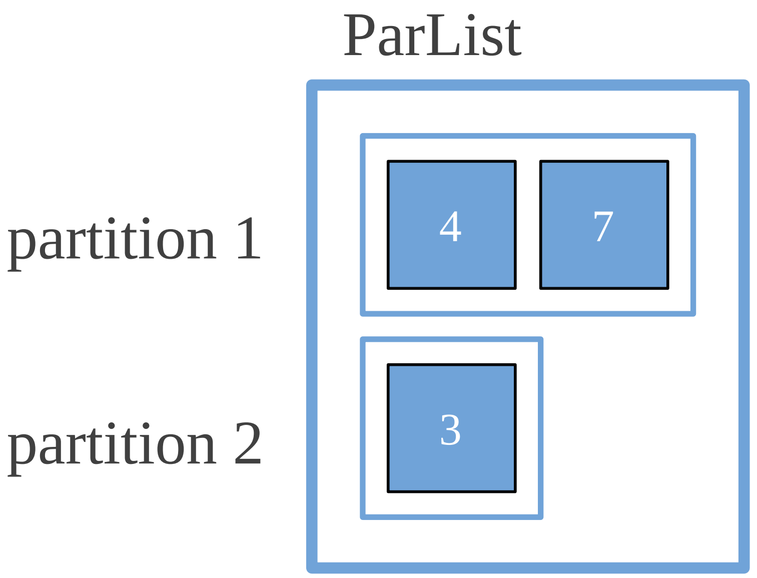
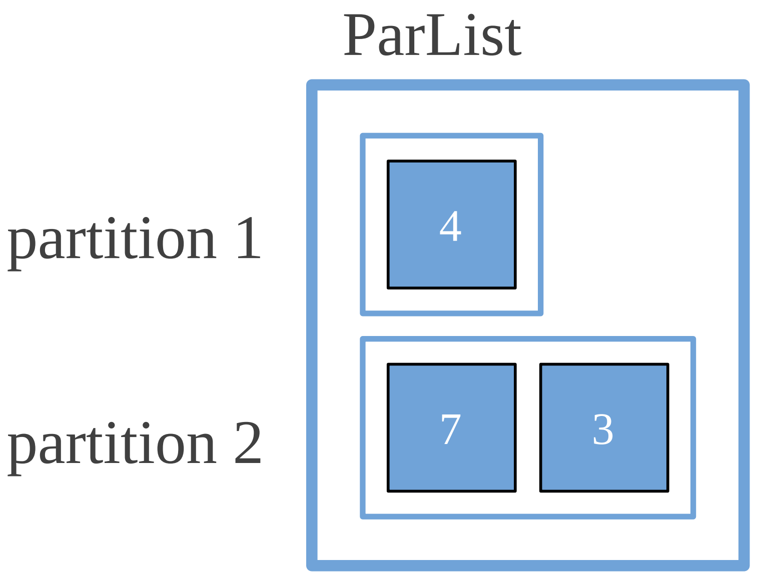


```
val partition1  = combine(default, 4)
val partition2  = combine(combine(default, 7), 3)
val finalResult = combine(combine(default, partition1), partition2)
```

monoFoldLeft is stable

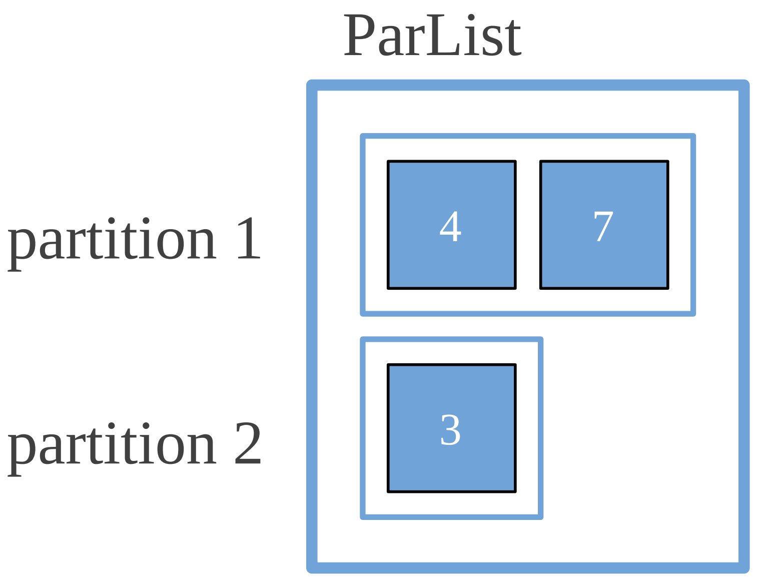


```scala
val partition1  = combine(combine(default, 4), 7)
val partition2  = combine(default, 3)
val finalResult = combine(combine(default, partition1), partition2)
```

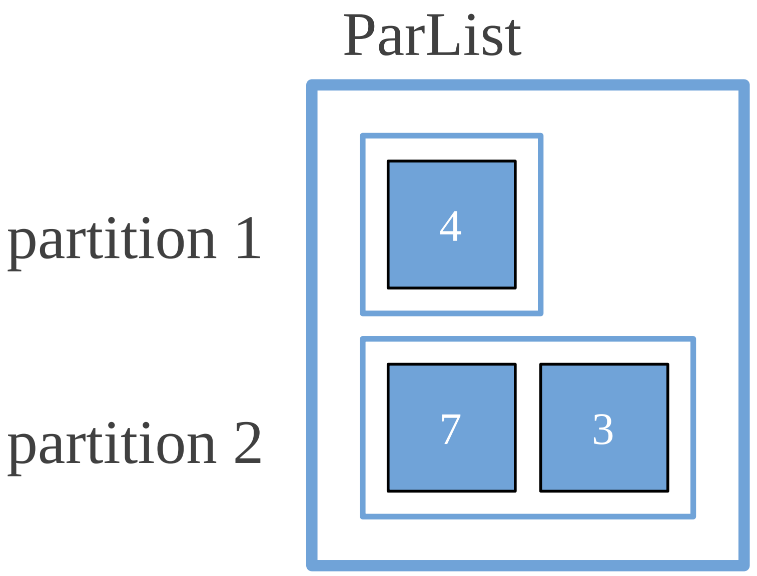


```scala
val partition1  = combine(default, 4)
val partition2  = combine(combine(default, 7), 3)
val finalResult = combine(combine(default, partition1), partition2)
```

monoFoldLeft is stable

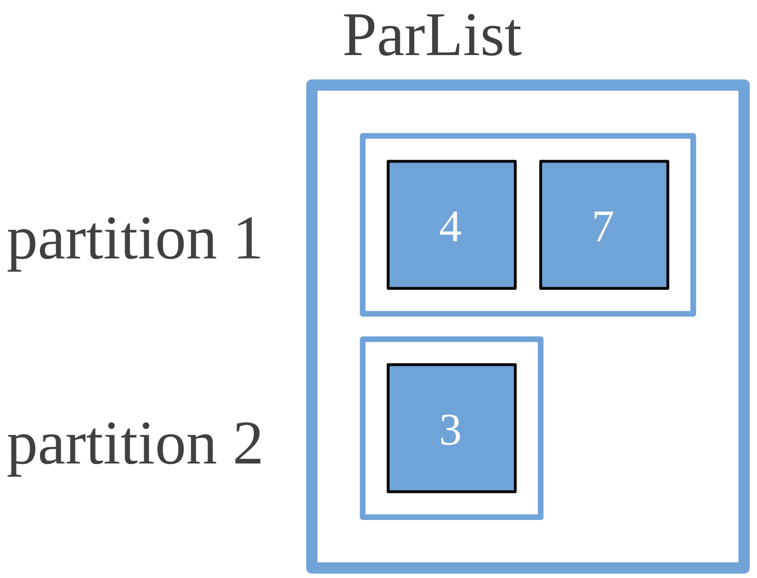


```scala
val partition1  = combine(4, 7)
val partition2  = 3
val finalResult = combine(partition1, partition2)
```

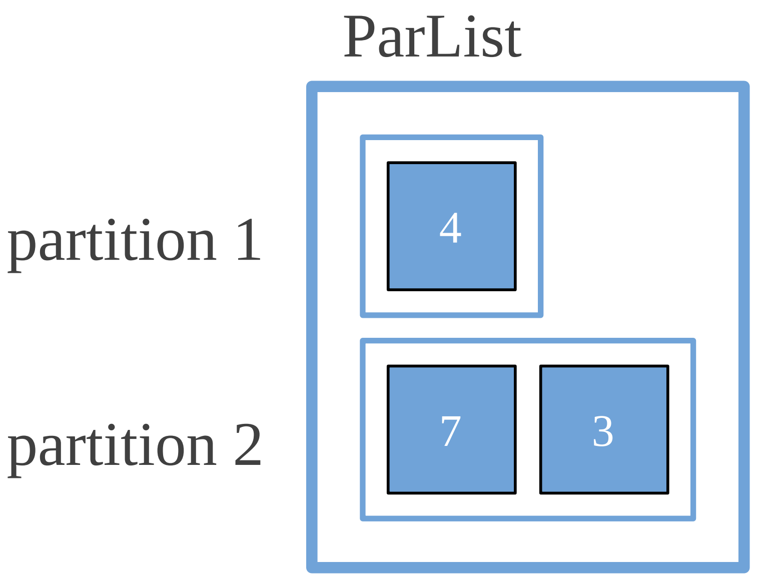


```scala
val partition1  = 4
val partition2  = combine(7, 3)
val finalResult = combine(partition1, partition2)
```

monoFoldLeft is stable



```
combine(combine(4, 7), 3)
```



```
combine(4, combine(7, 3))
```

Associative functions

```
(1 + (2 + 3)) == ((1 + 2) + 3)
// res0: Boolean = true

(1 min (2 min 3)) == ((1 min 2) min 3)
// res1: Boolean = true
```