

#6 Linked Lists

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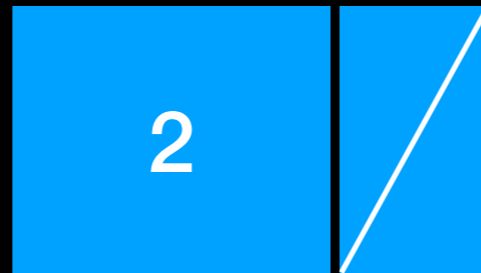
"Testing shows the presence, not the absence of bugs."

Edsger Dijkstra

First

Rest

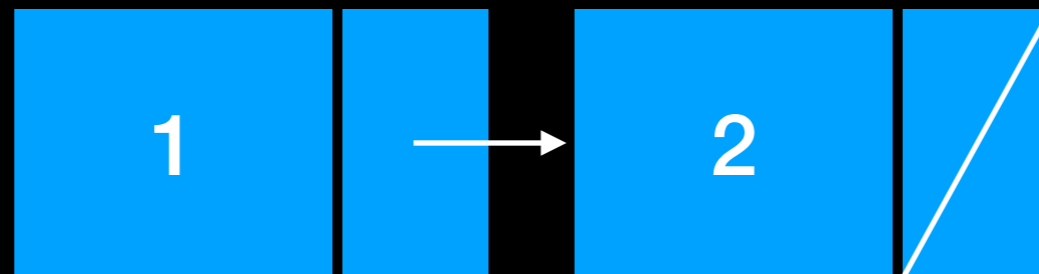
```
l = Link(2, Link.empty)
```



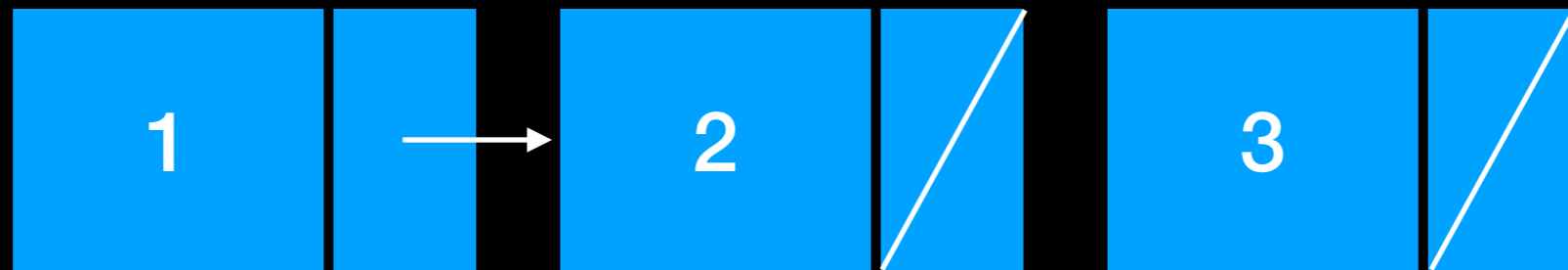
$\tau = \text{Link}(1, \tau)$



$\tau = \text{Link}(1, \tau)$



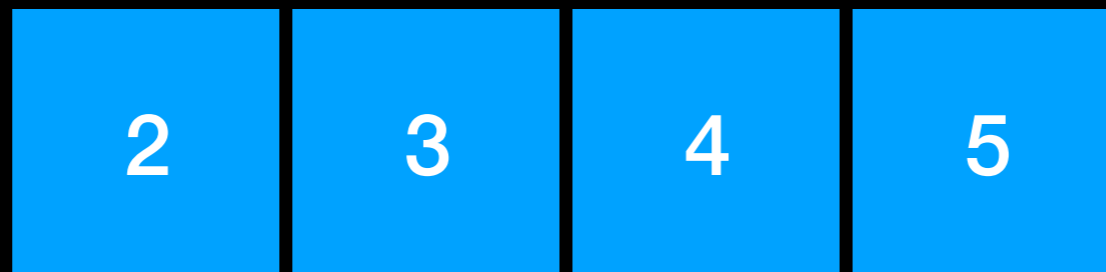
```
l.rest.rest = Link(3)
```



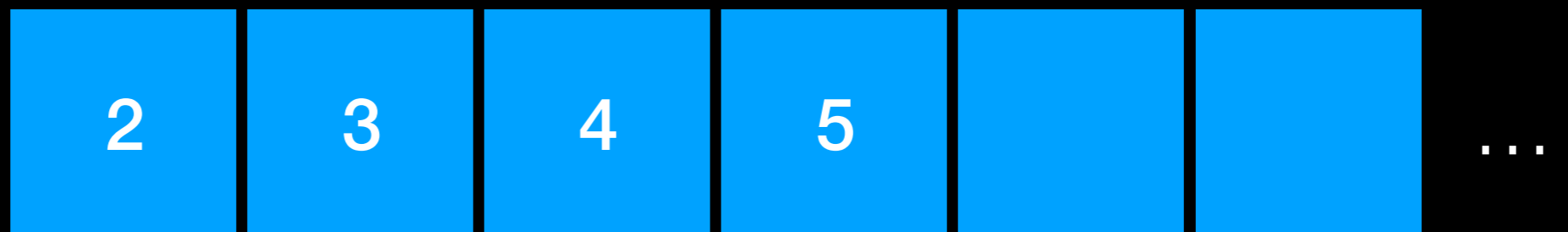
```
l.rest.rest = Link(3)
```



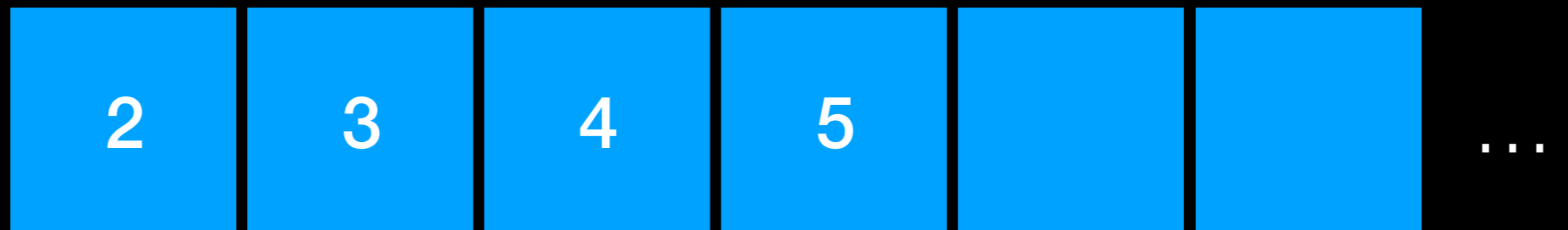
$\tau = [2, 3, 4, 5]$



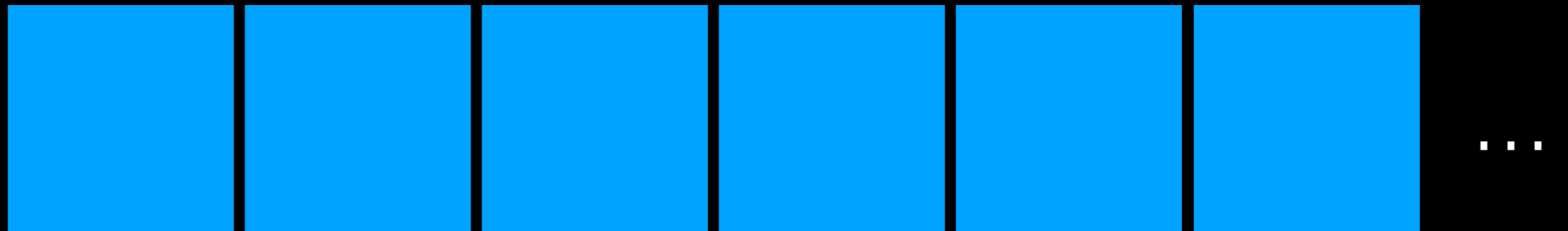
$\tau = [2, 3, 4, 5]$



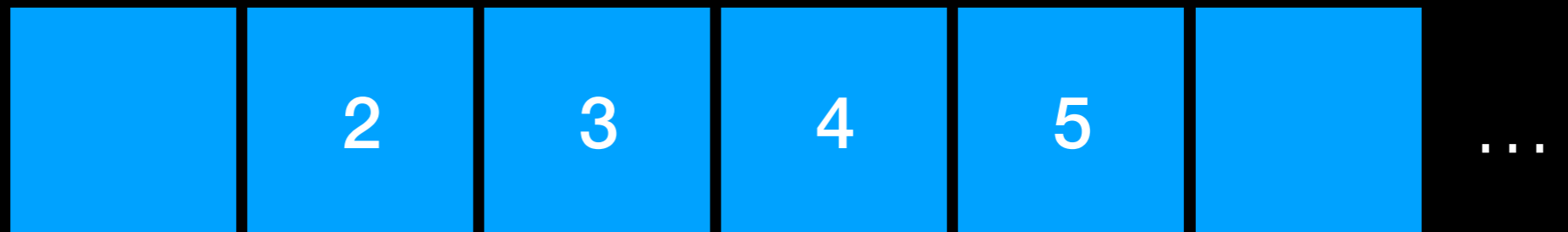
```
l.insert(0, 1)
```



```
l.insert(0, 1)
```



```
l.insert(0, 1)
```



```
l.insert(0, 1)
```

