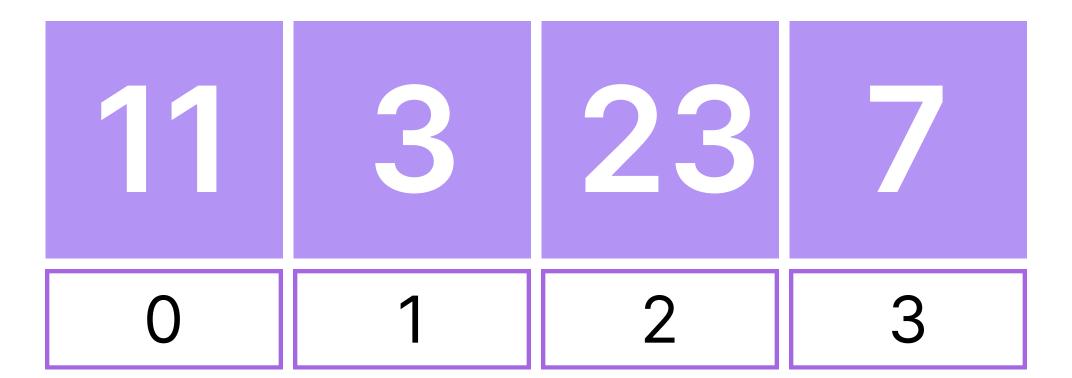
ARRAY



11 3 23 7



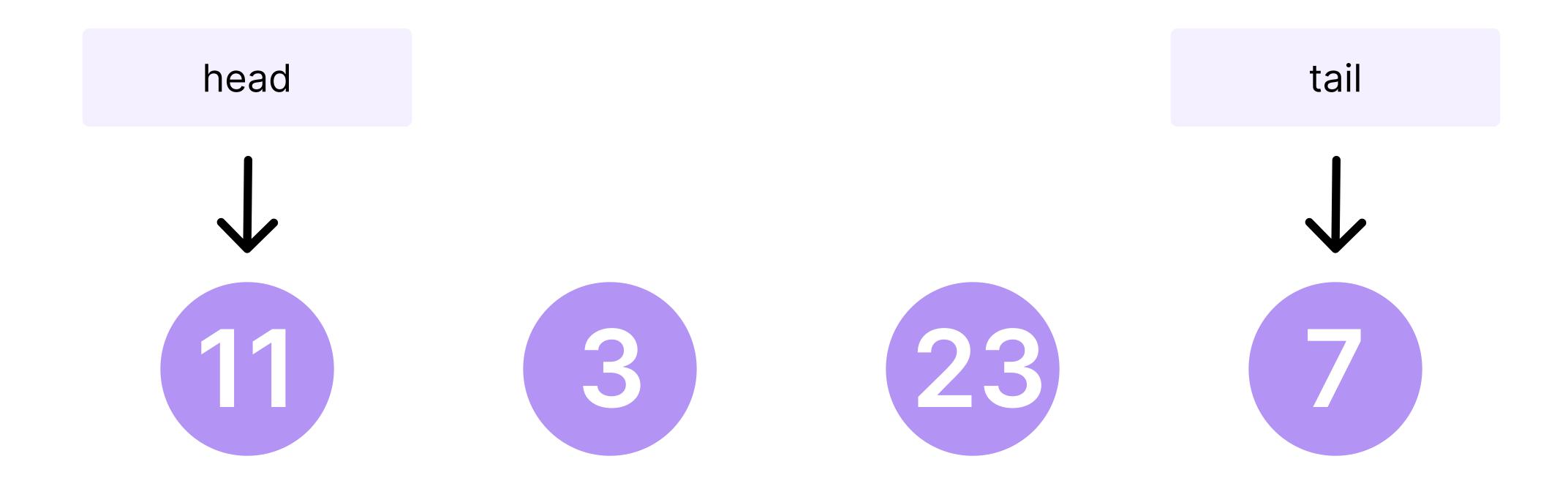


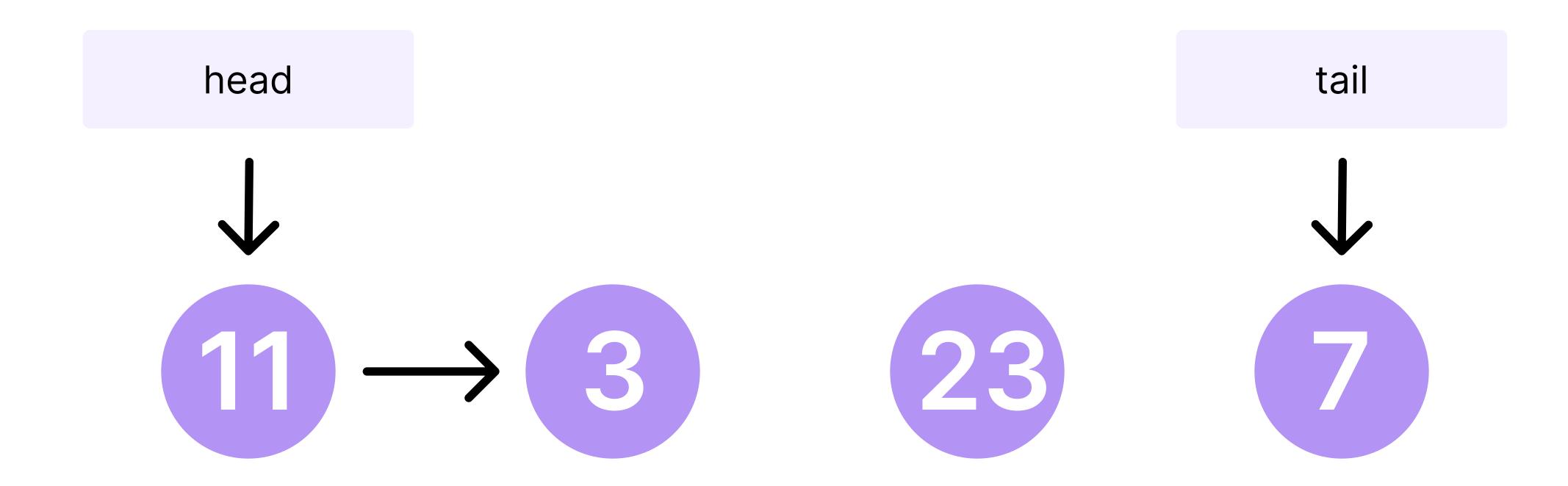


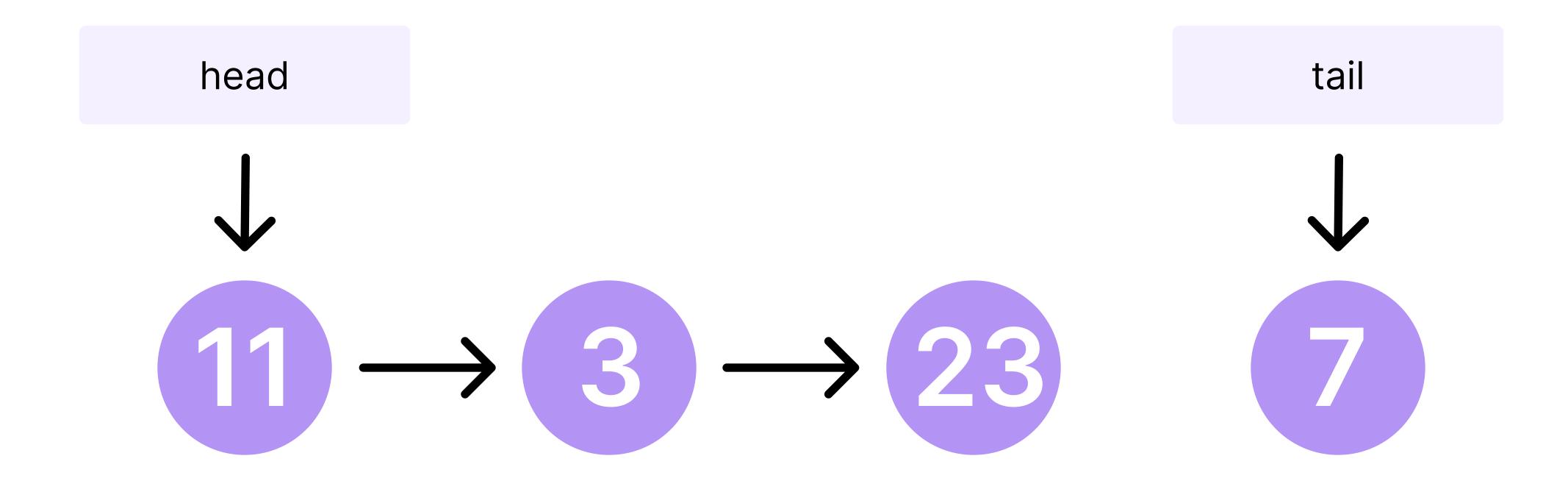


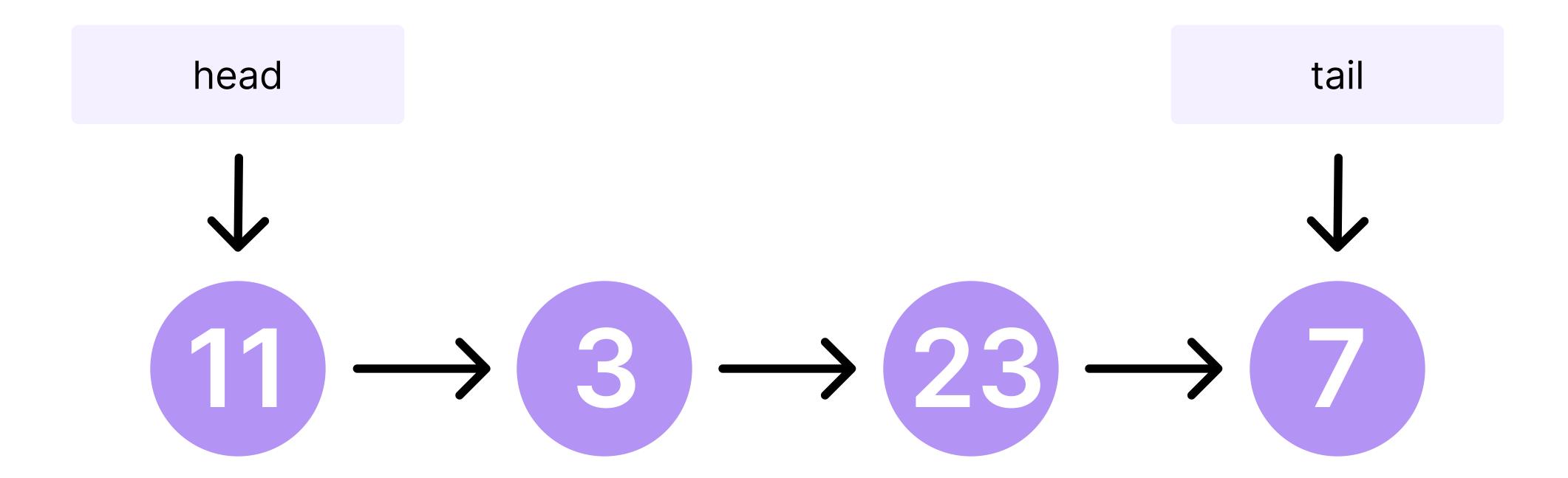
head

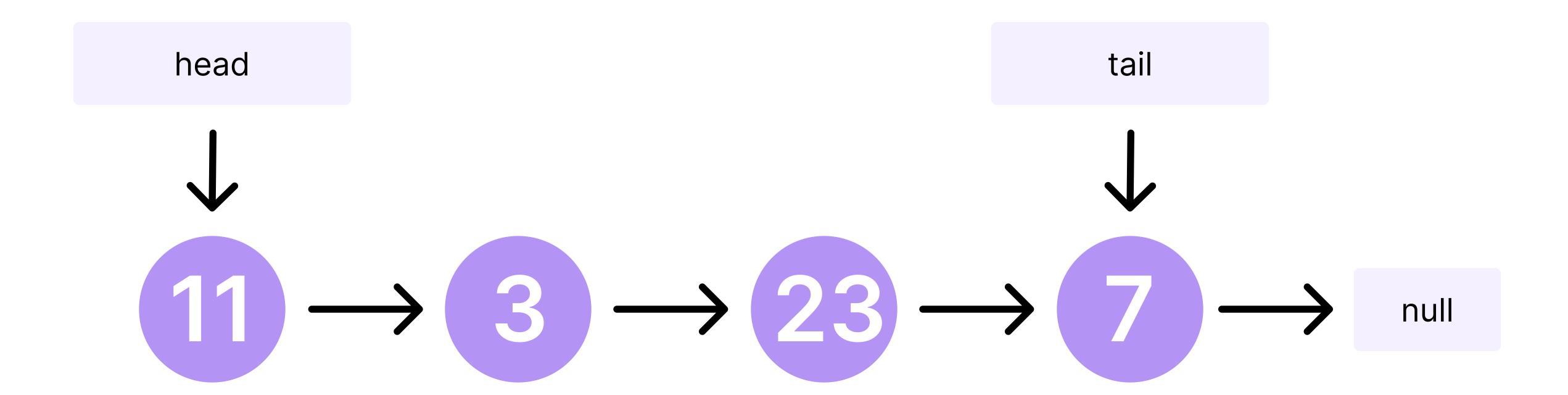
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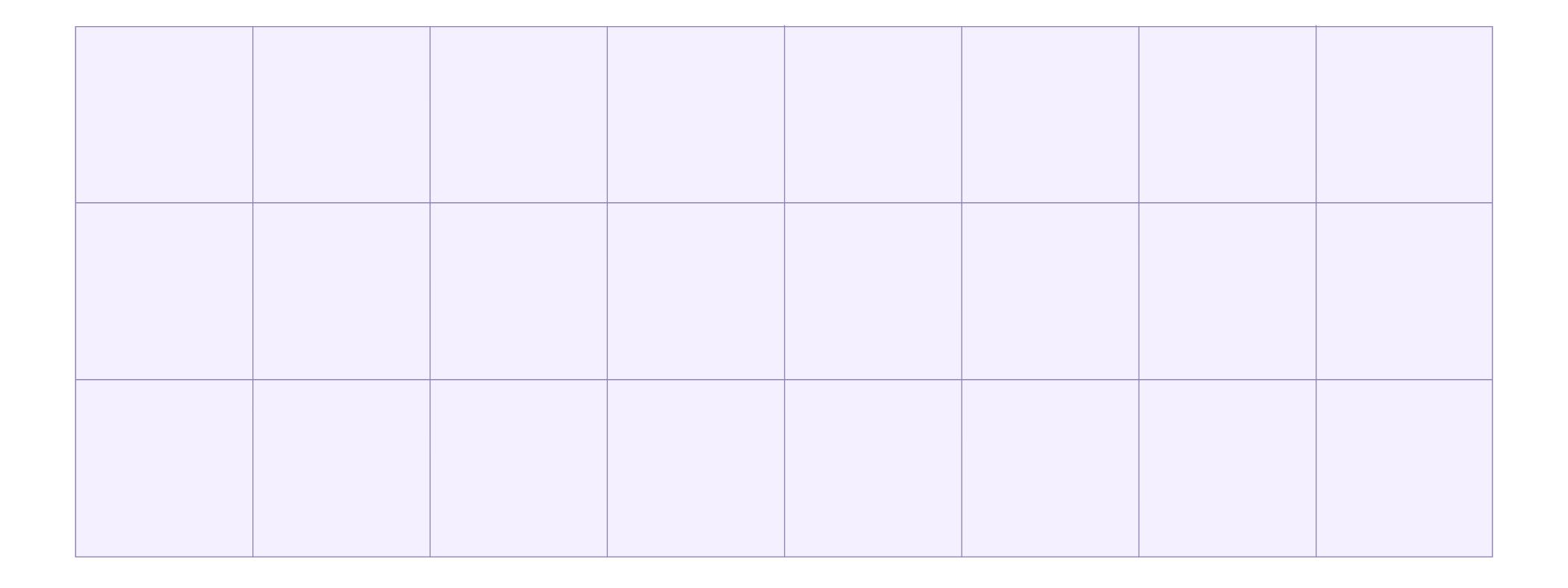


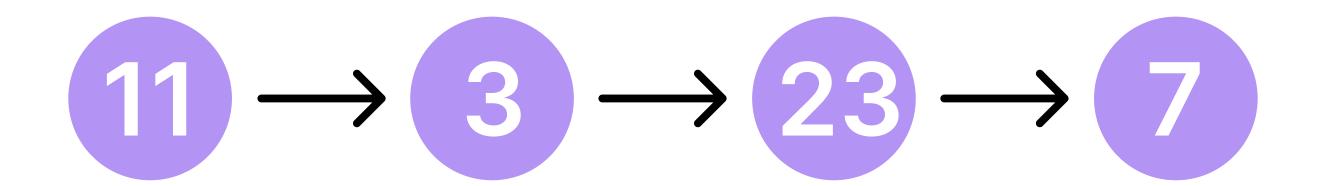


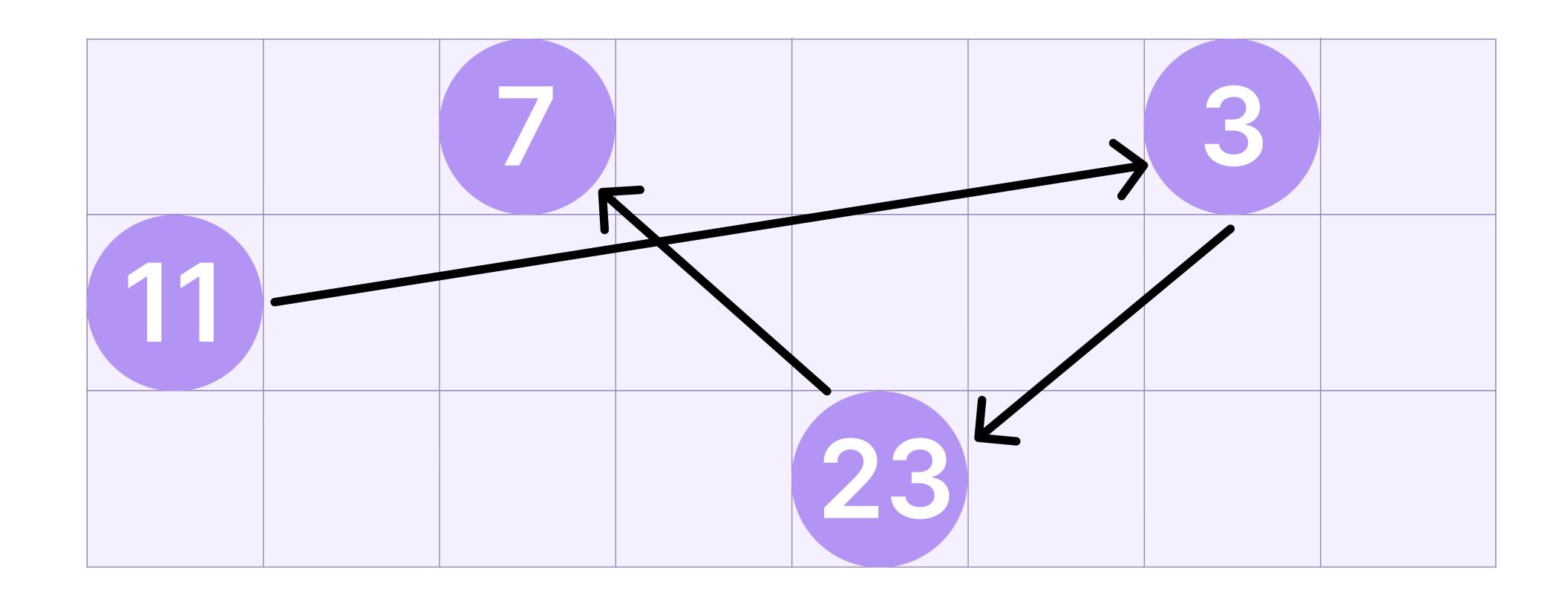


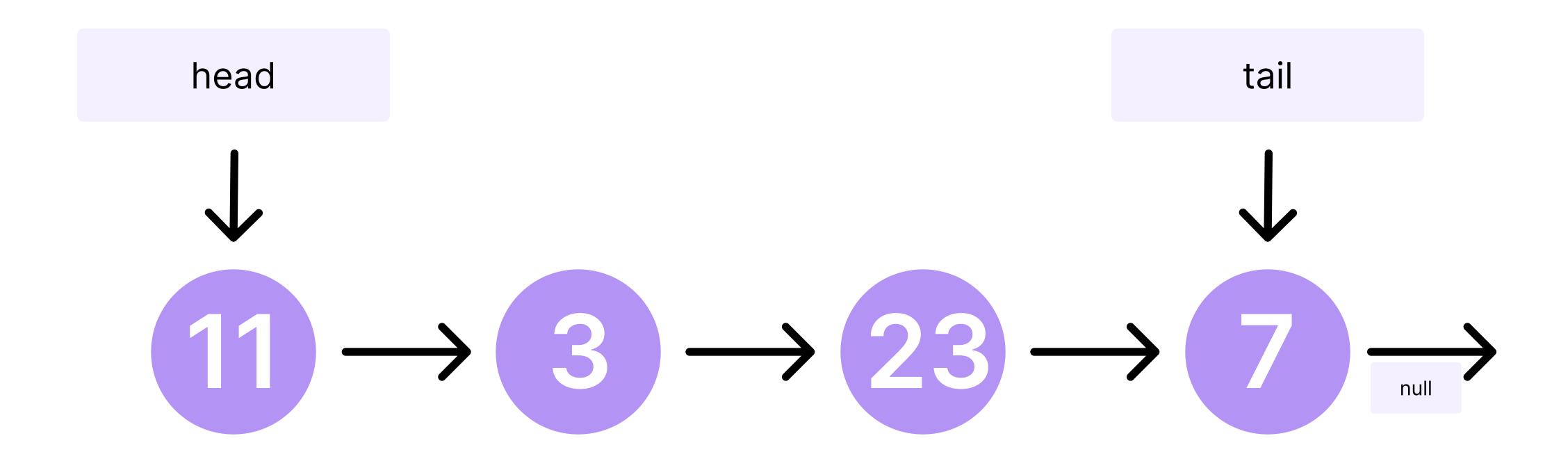


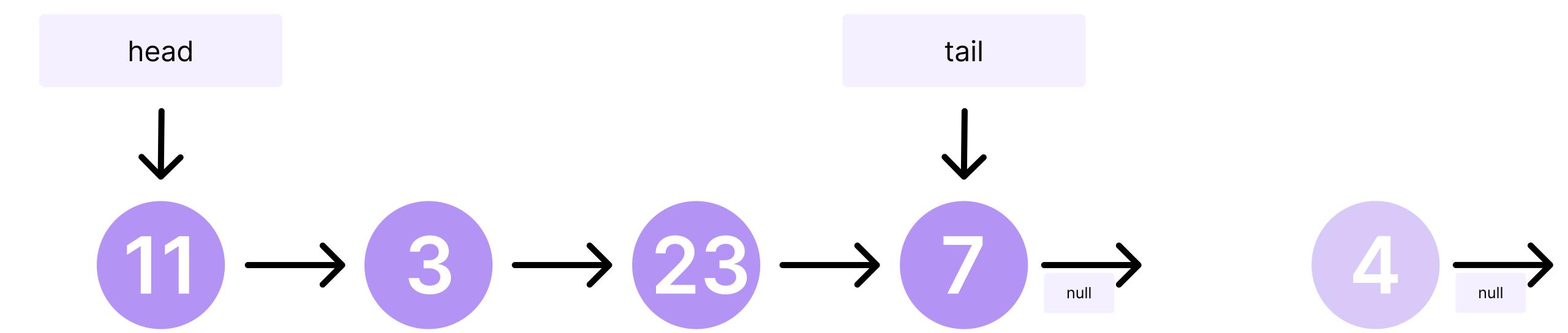
	3	23		

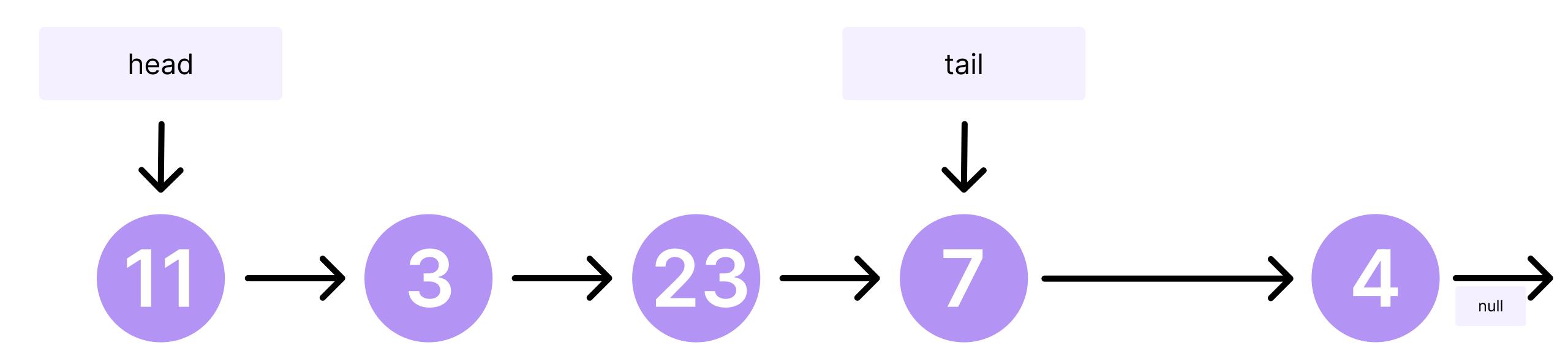


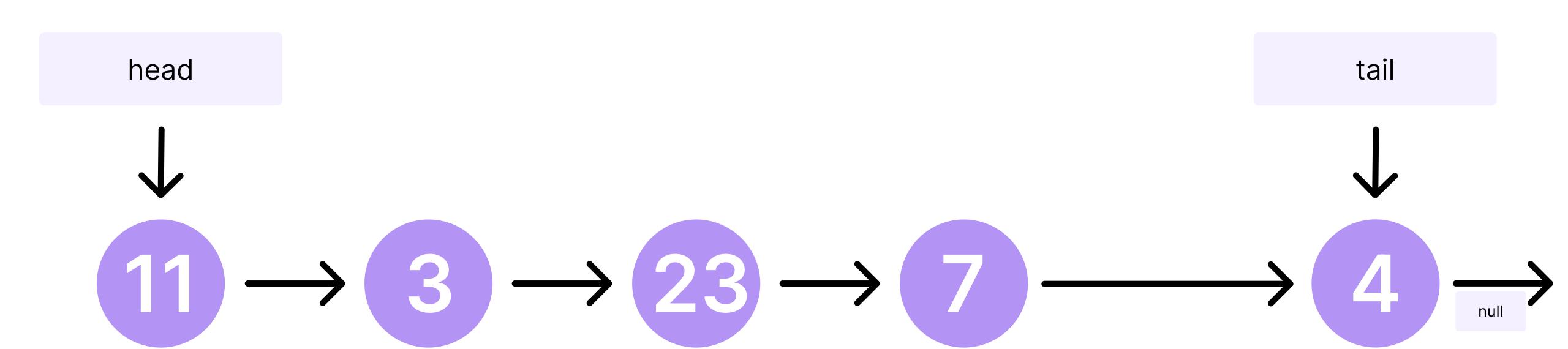


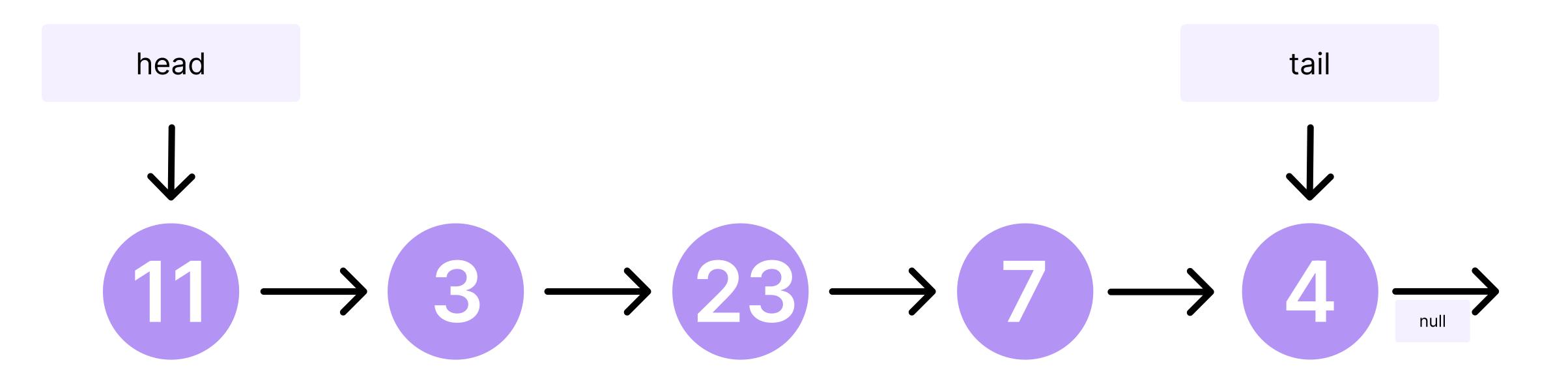


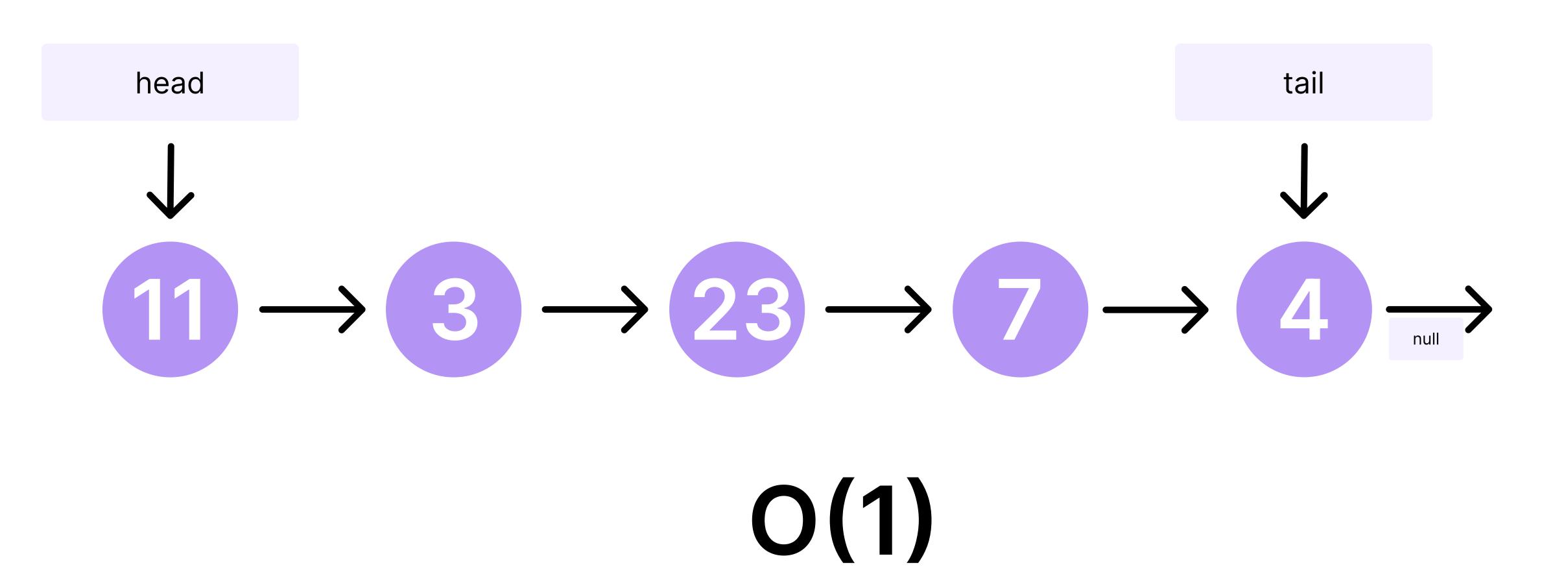


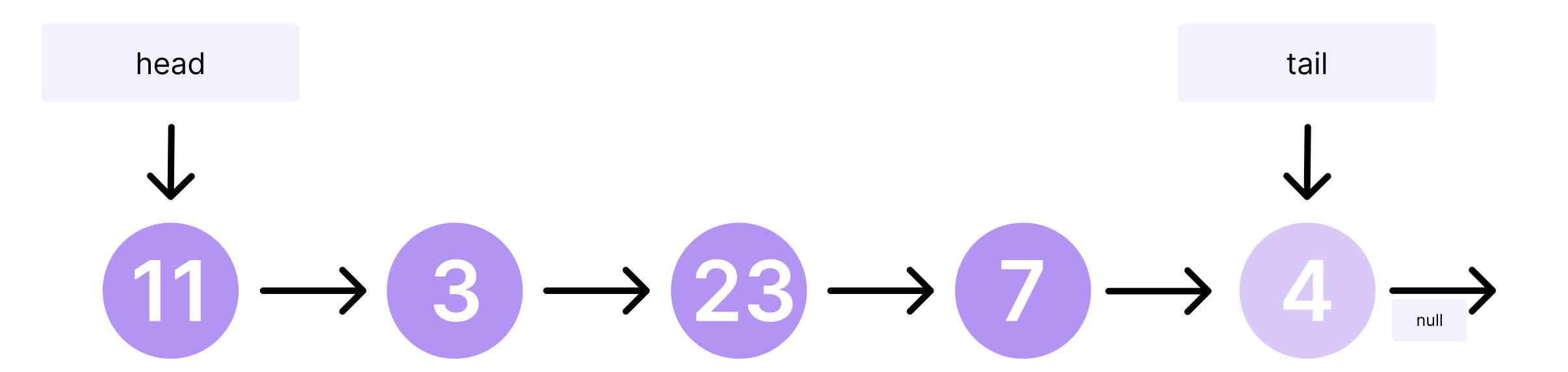


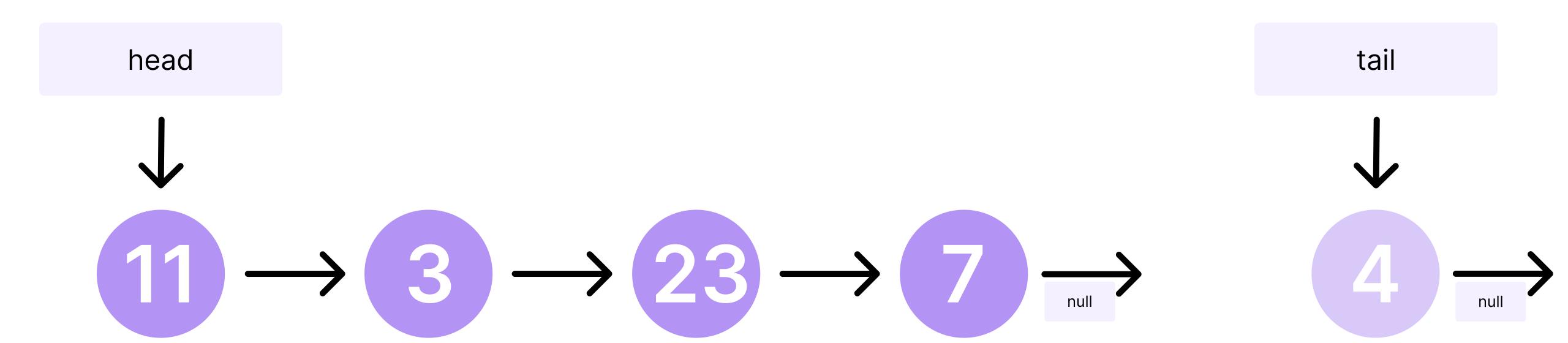




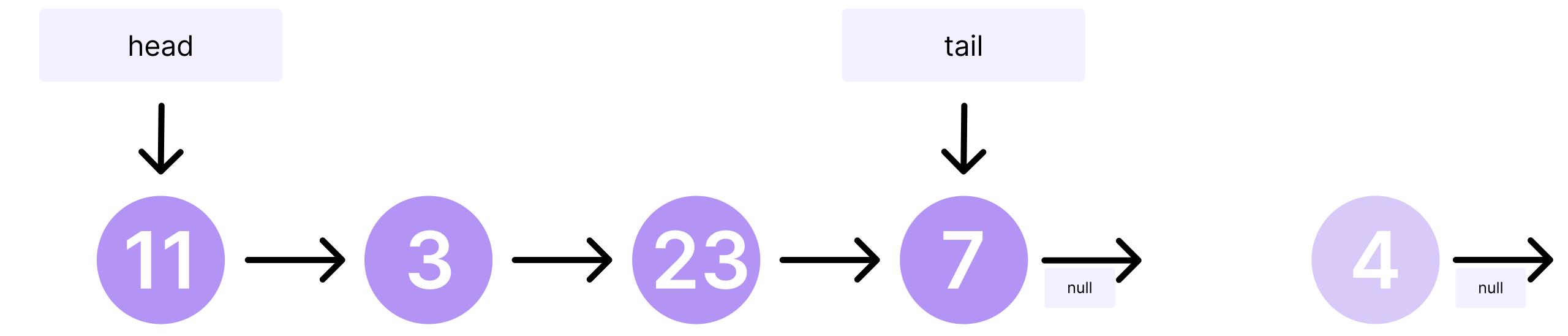


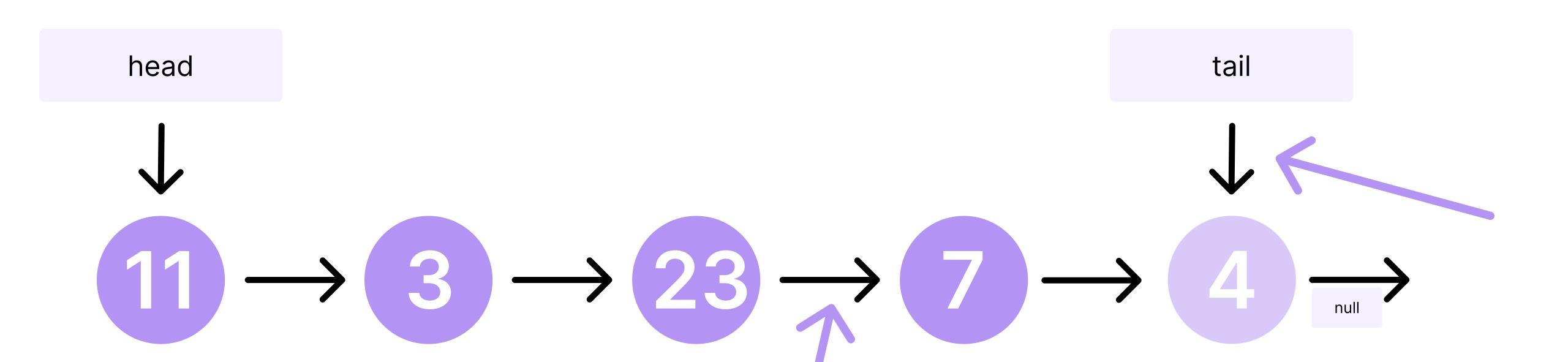


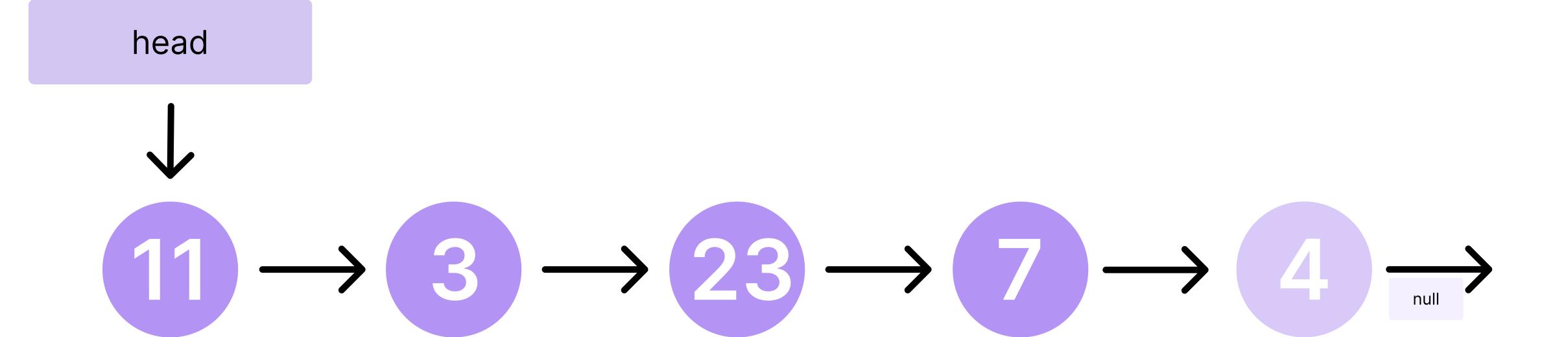


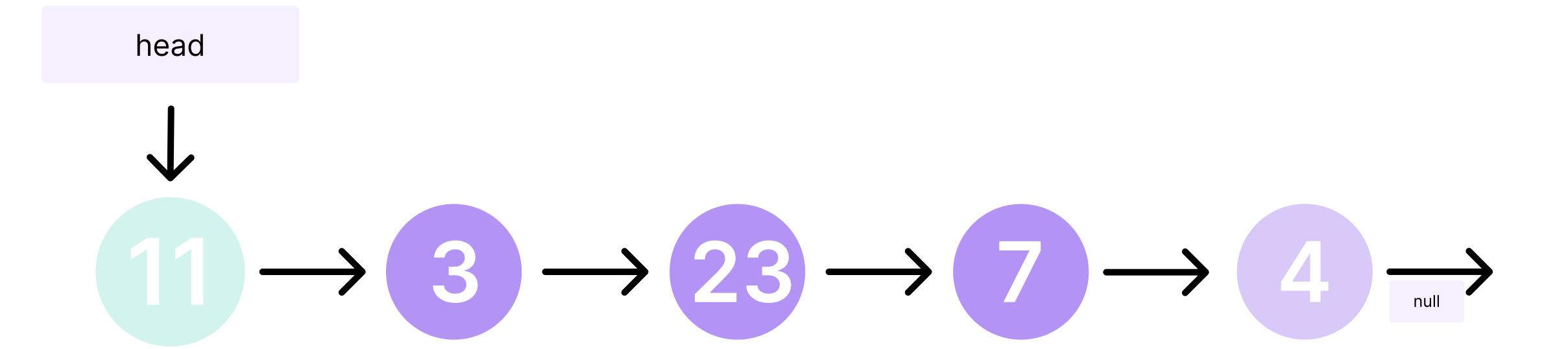


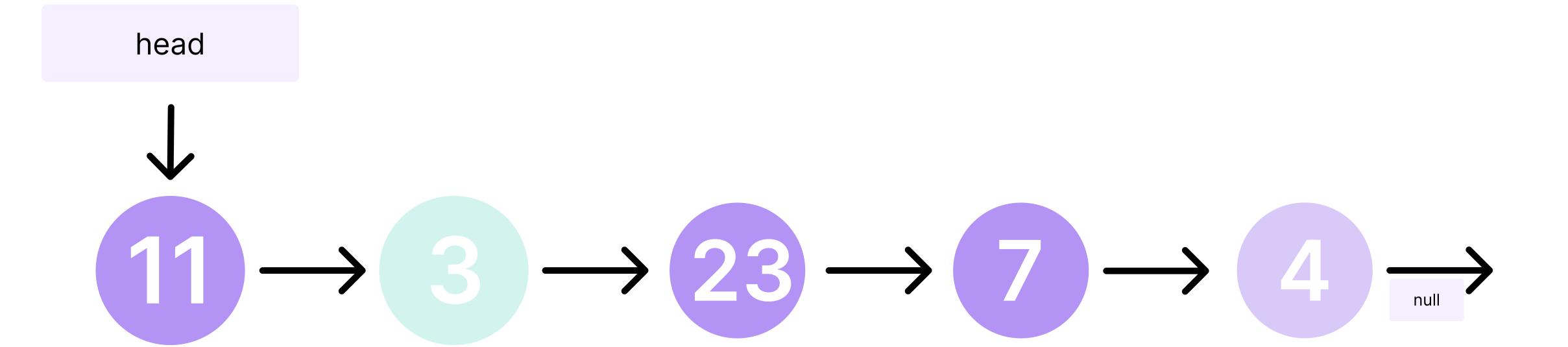
X

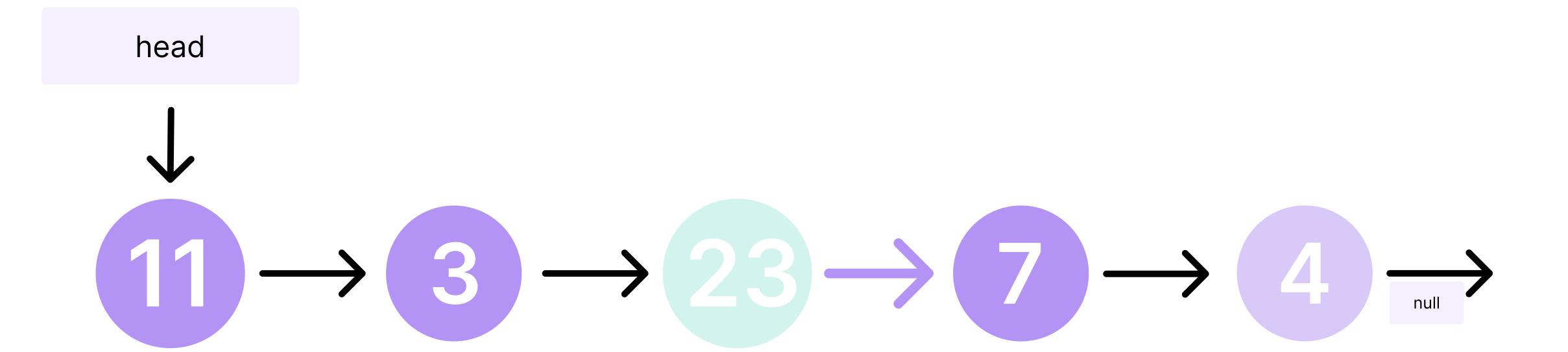


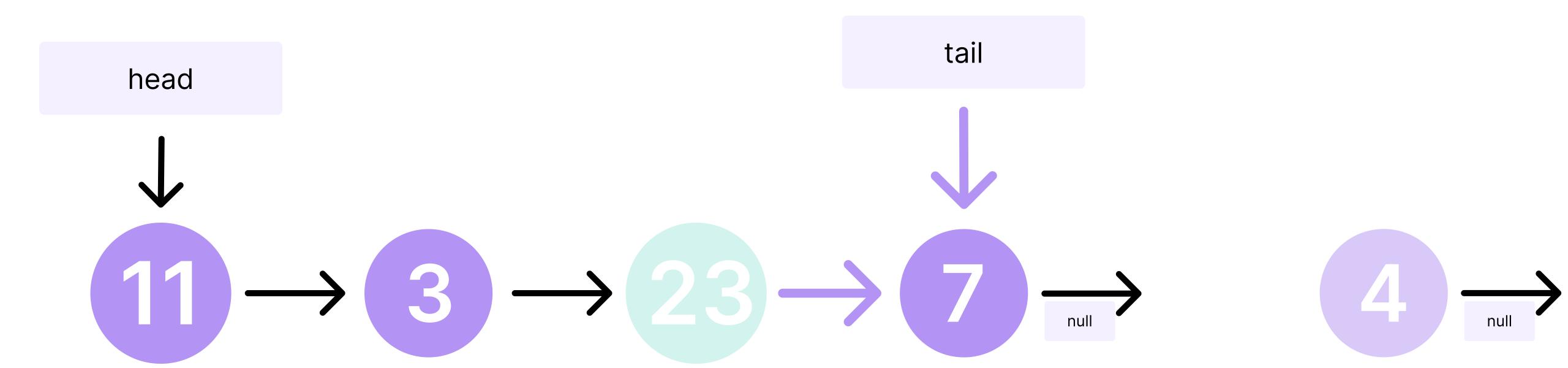




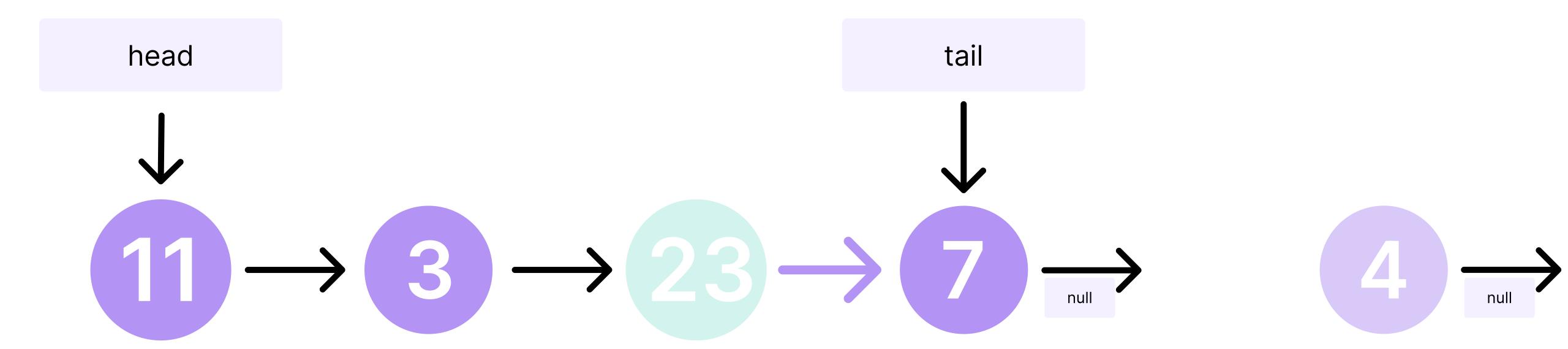






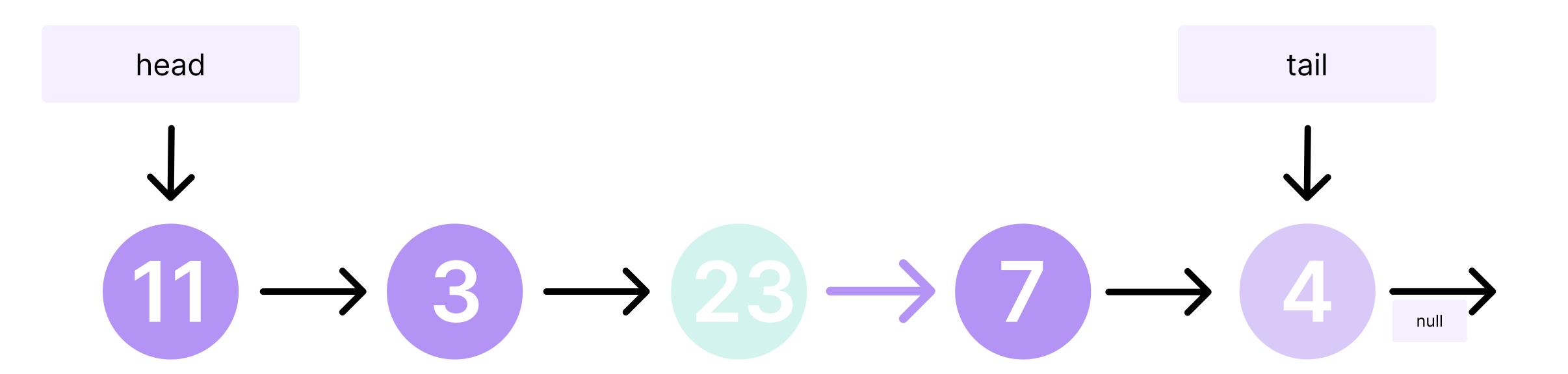


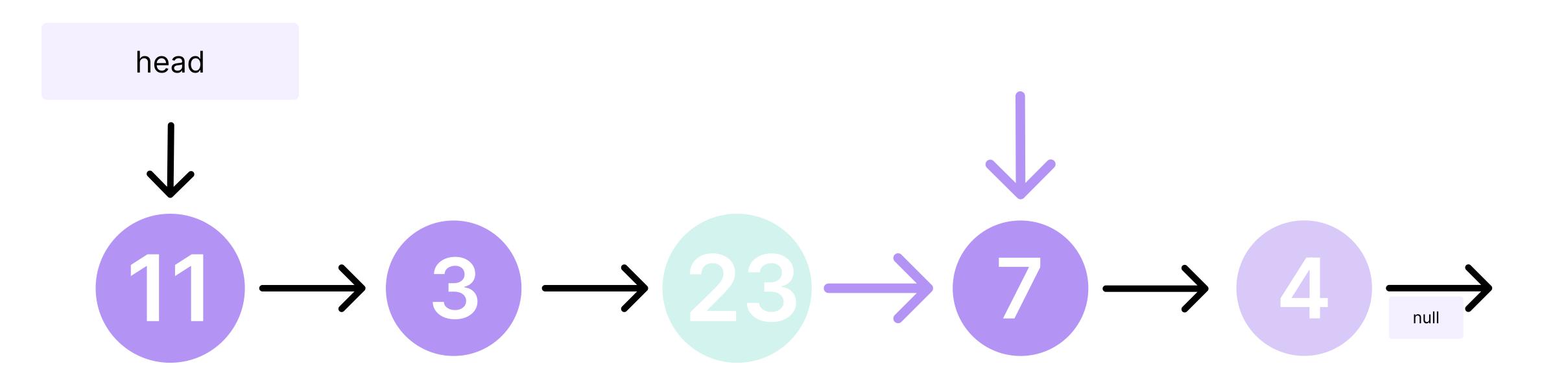
eliminar un elemento

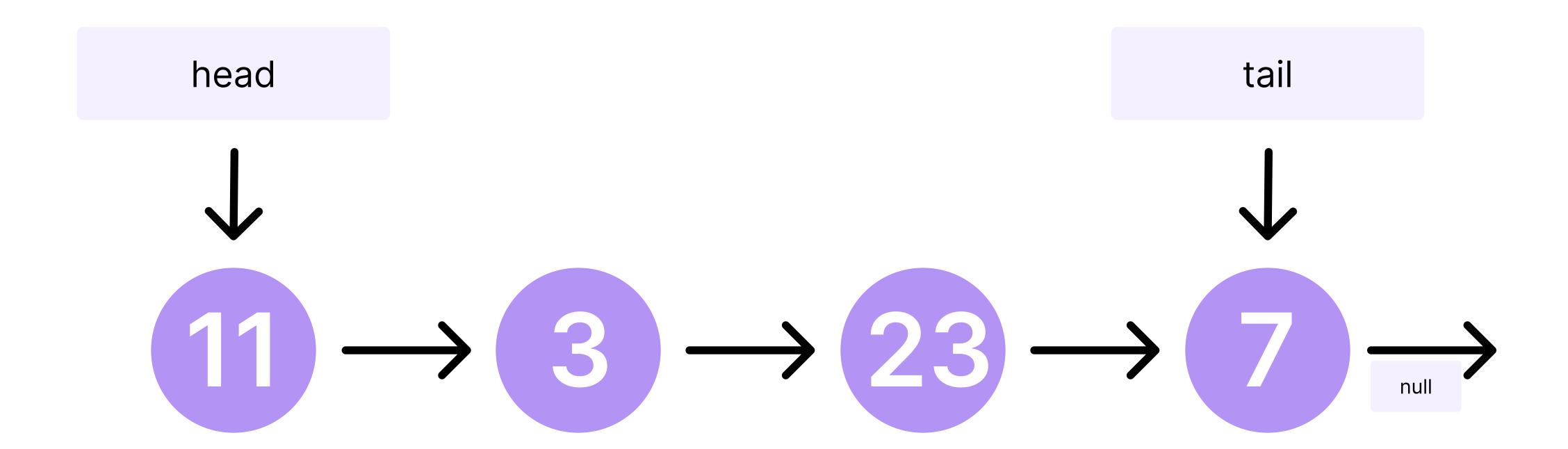


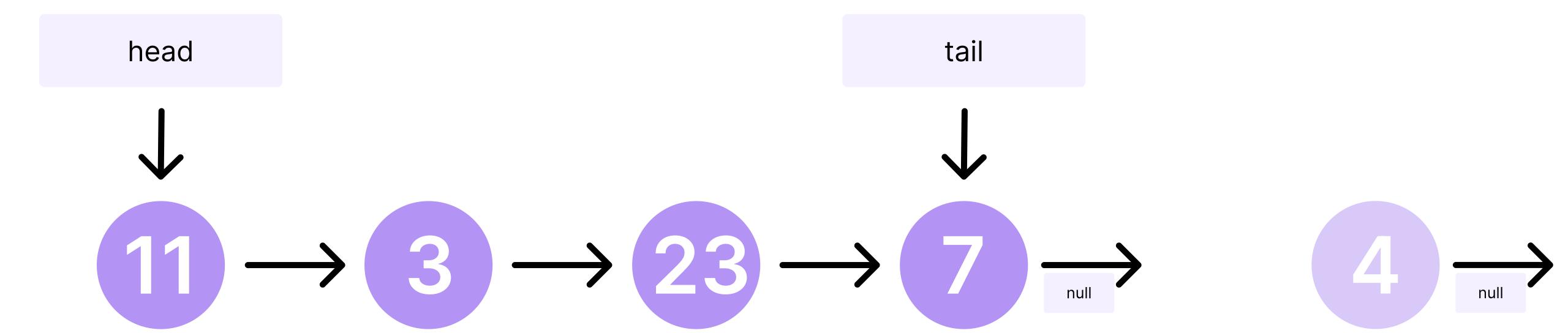
O(n)

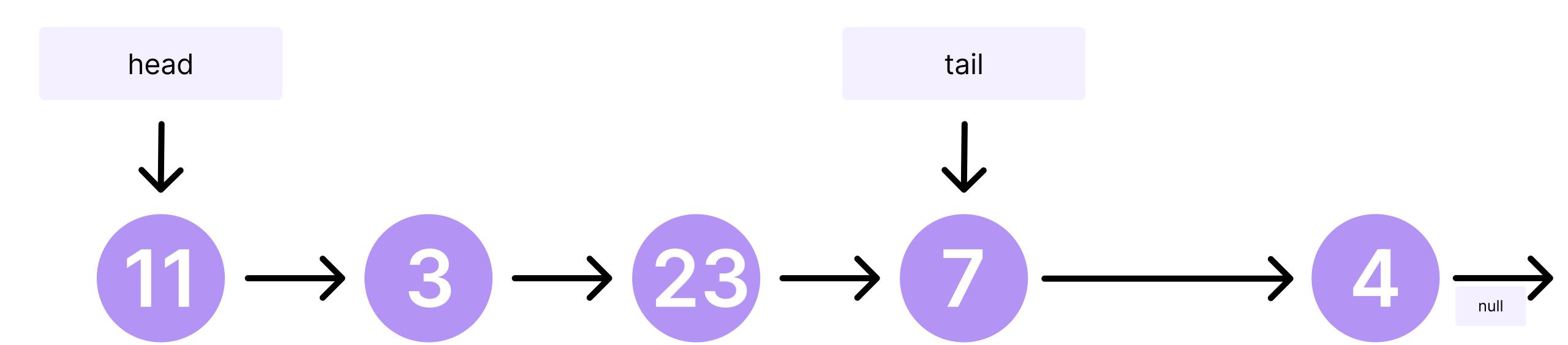
	Linked Lists	Arrays
Push	O(1)	O(1)
Pop	O(n)	O(1)
Shift	O(1)	O(n)
Unshift	O(1)	O(n)
Insert	O(n)	O(n)
Delete	O(n)	O(n)
Lookup by Index	O(n)	O(1)
Lookup by Value	O(n)	O(n)

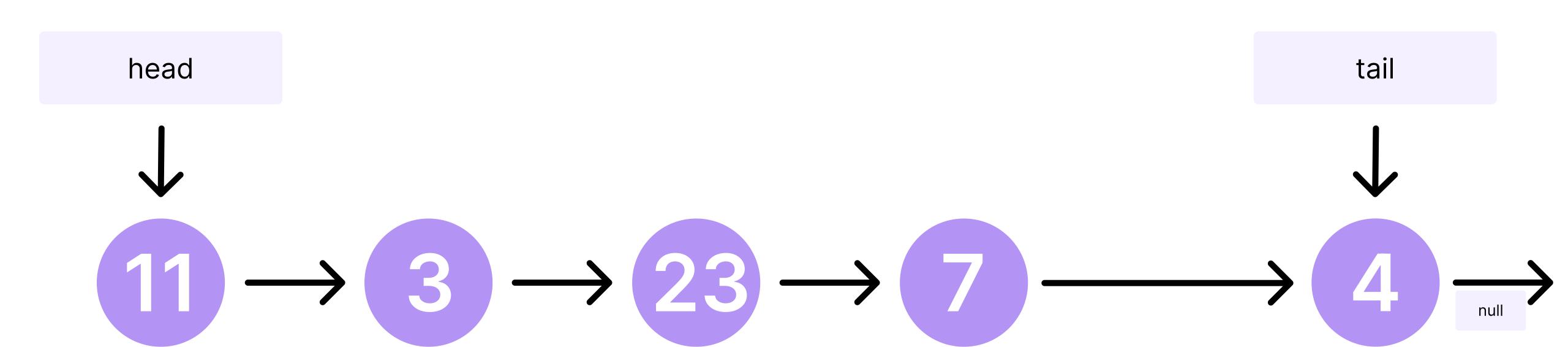






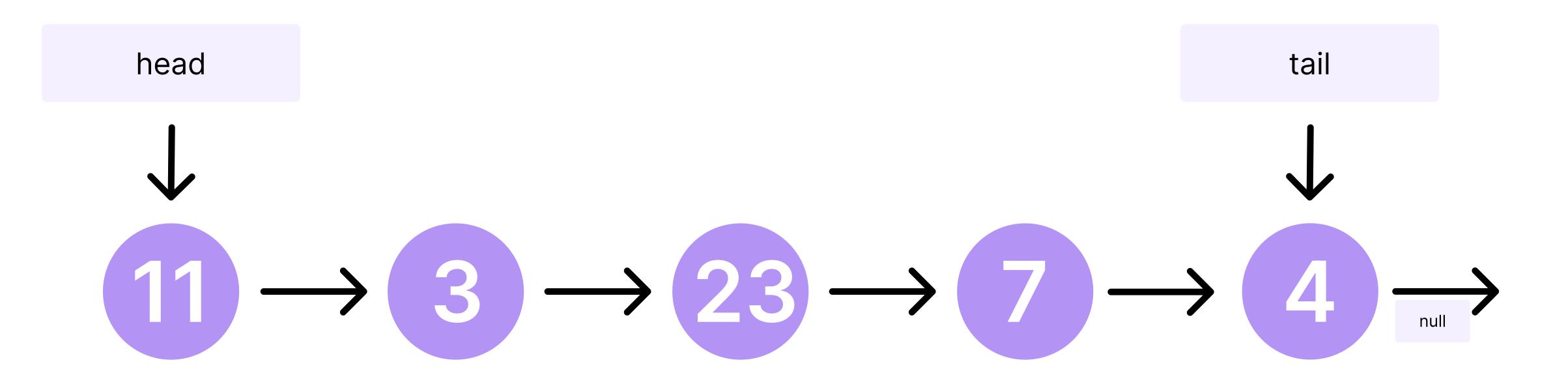




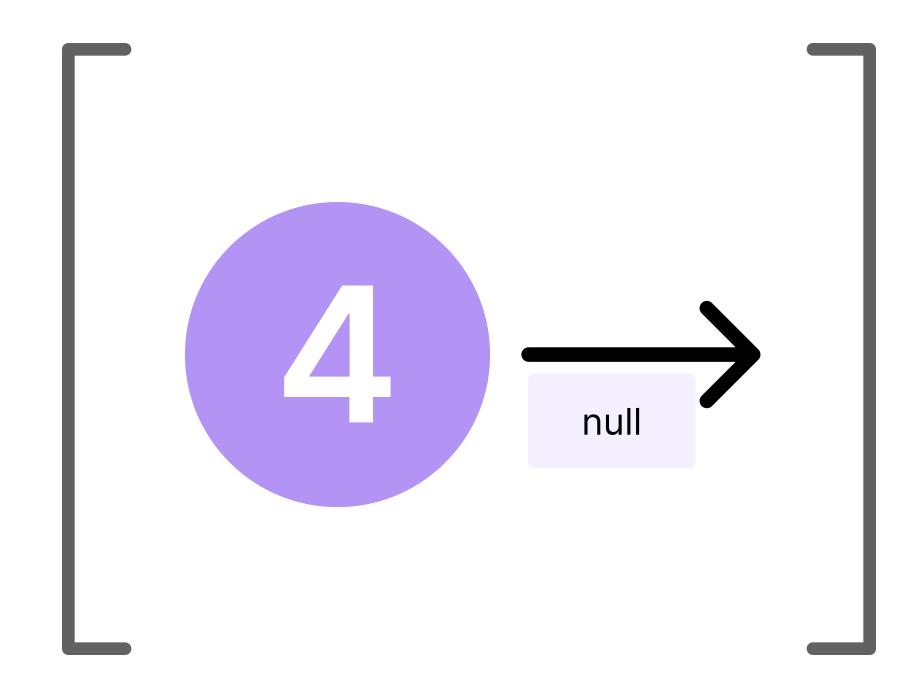


### LINKED LISTS

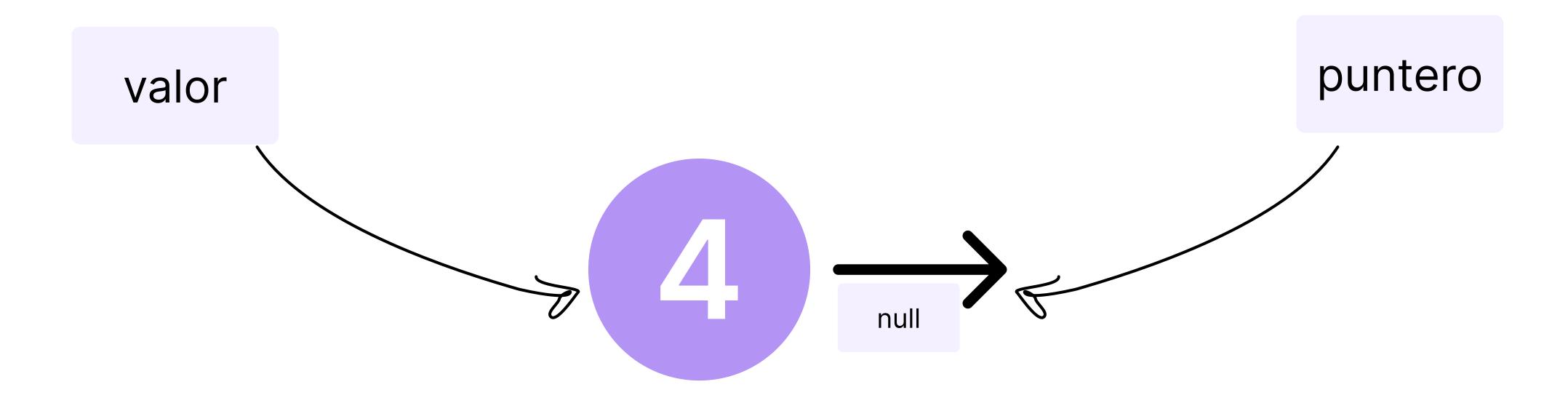
agregar un elemento

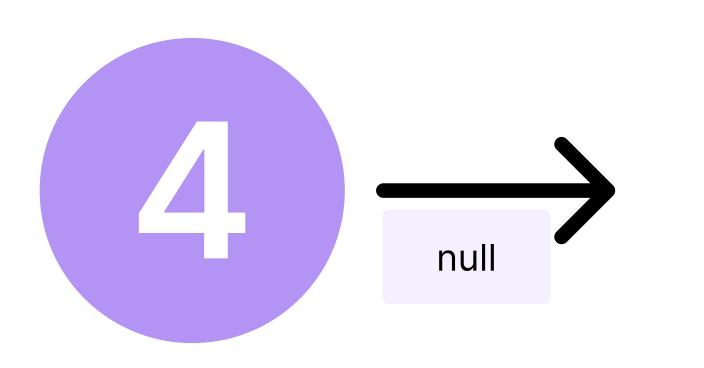




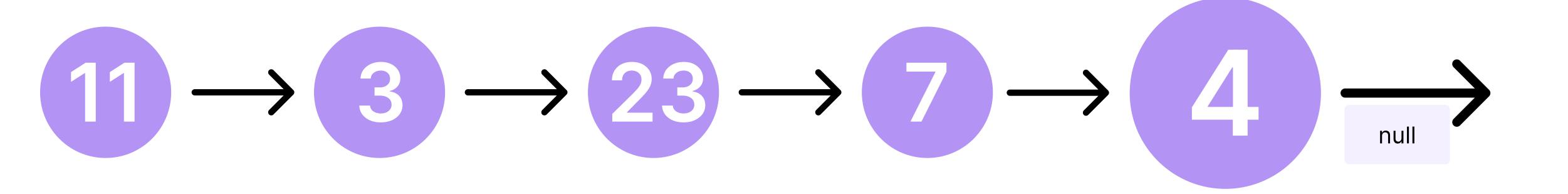


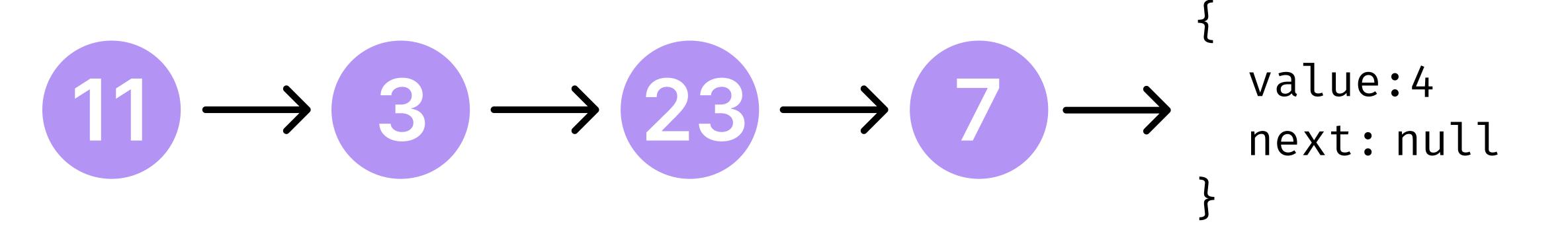
NODO

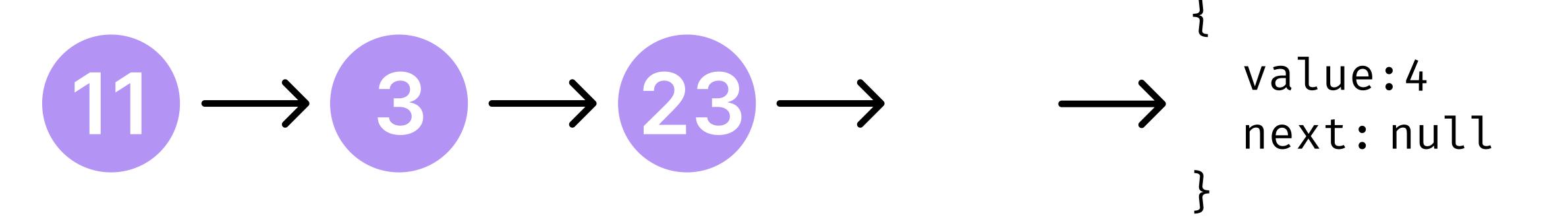


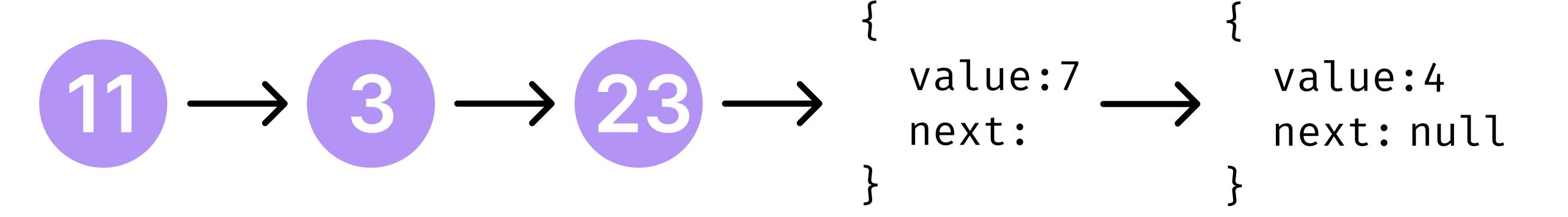


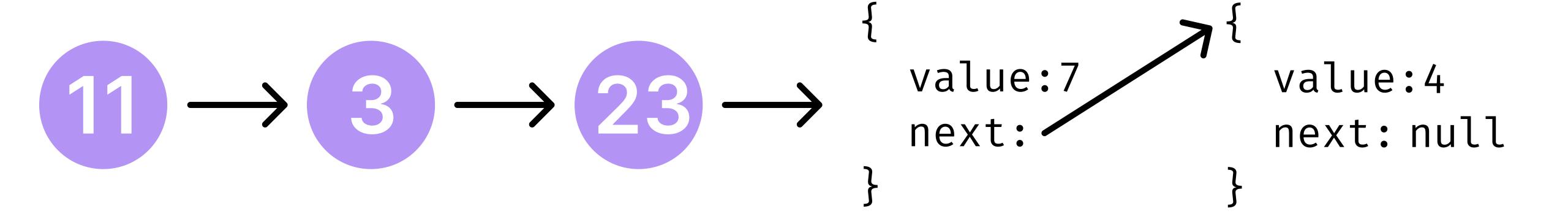
```
{
  value:4
  next: null
}
```











```
value:23
next: {
        value:7
        next: {
                value:4
                next: null
```

```
value:3
next: {
        value:23
        next: {
                value:7
                next: {
                        value:4
                        next: null
```

```
value:11
next: {
        value:3
        next: {
                 value:23
                next: {
                         value:7
                         next: {
                                 value:4
                                 next: null
```

```
class linkedlist {
  constructor(value) { ... }
}
```

```
class linkedlist {
  constructor(value) { ... }
  push(value) { ... }
}
```

```
class linkedlist {
  constructor(value) { ... }
  push(value) { ... }
  unshift(value) { ... }
}
```

```
class linkedlist {
  constructor(value) { ... }
  push(value) { ... }
  unshift(value) { ... }
  insert(value) { ... }
}
```

```
class linkedlist {
  constructor(value) { ... }
    crear un nuevo nodo
  push(value) { ... }
  unshift(value) { ... }
  insert(value) { ... }
}
```

```
class linkedlist {
  constructor(value) { ... }
    crear un nuevo nodo
  push(value) { ... }
    crear un nuevo nodo
    agregar nodo al final
  unshift(value) { ... }
  insert(value) { ... }
```

```
class linkedlist {
  constructor(value) { ... }
    crear un nuevo nodo
  push(value) { ... }
    crear un nuevo nodo
    agregar nodo al final
  unshift(value) { ... }
    crear un nuevo nodo
    agregar nodo al principio
  insert(value) { ... }
```

```
class linkedlist {
  constructor(value) { ... }
    crear un nuevo nodo
  push(value) { ... }
    crear un nuevo nodo
    agregar nodo al final
  unshift(value) { ... }
    crear un nuevo nodo
    agregar nodo al principio
  insert(value) { ... }
    crear un nuevo nodo
    insertar nodo
```

```
class linkedlist {
  constructor(value) { ... }
    crear un nuevo nodo
  push(value) { ... }
    crear un nuevo nodo
    agregar nodo al final
  unshift(value) { ... }
    crear un nuevo nodo
    agregar nodo al principio
  insert(value) { ... }
    crear un nuevo nodo
    insertar nodo
```

```
crear un nuevo nodo crear un nuevo nodo crear un nuevo nodo crear un nuevo nodo
```

```
class linkedlist {
  constructor(value) { ... }
  push(value) { ... }
  unshift(value) { ... }
  insert(value) { ... }
   insertar nodo
}
```

```
class Node {
class linkedlist {
  constructor(value) { ... }
  push(value) { ... }
  unshift(value) { ... }
  insert(value) { ... }
    insertar nodo
```