

CSS

CSS FUNDAMENTALS

SELECTORS

Specificity



IN A ROCKET

Learn front-end development at *rocket speed*

CASCADE

+

SPECIFICITY

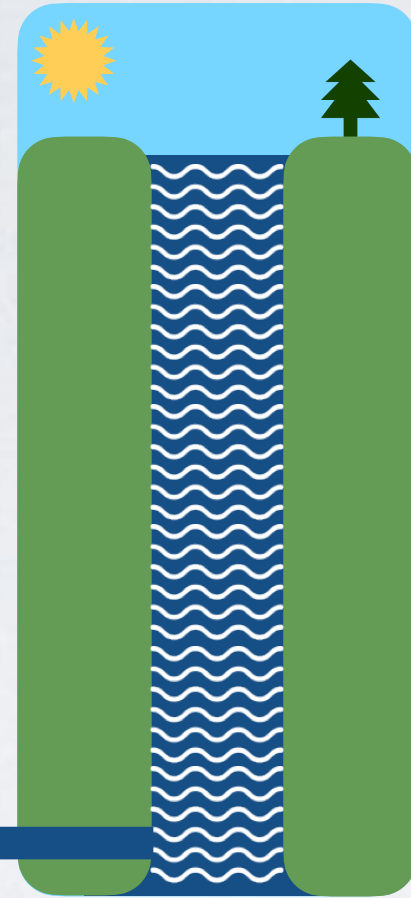
HTML

```
h1 { color: blue; }
```

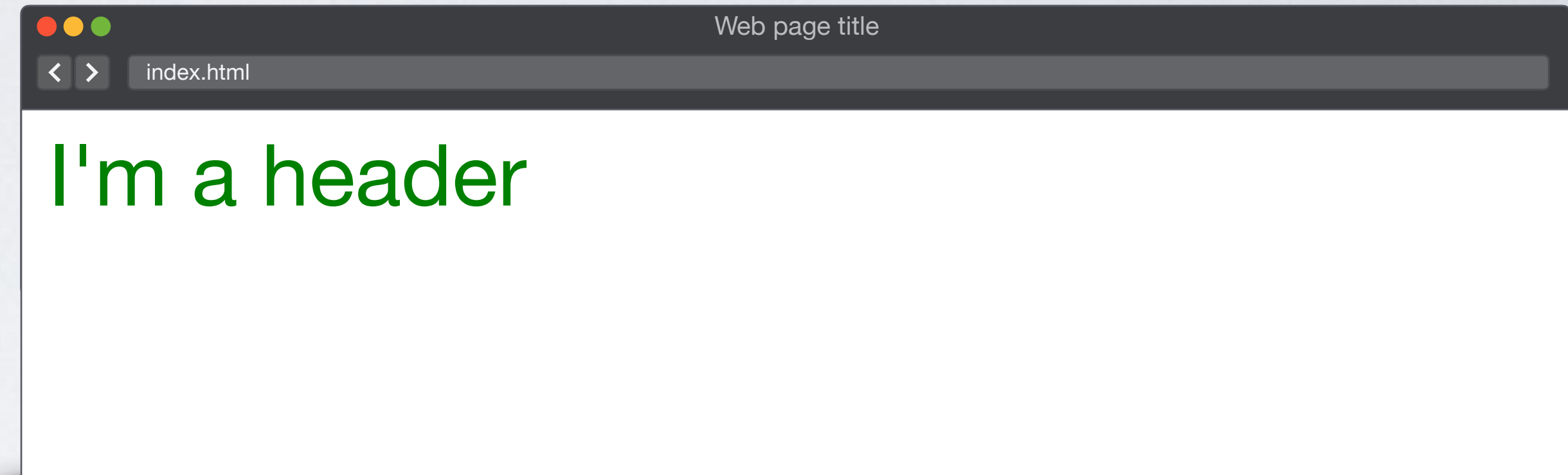
```
p { color: red; }
```

```
input { color: pink; }
```

```
h1 { color: green; }
```



CSS

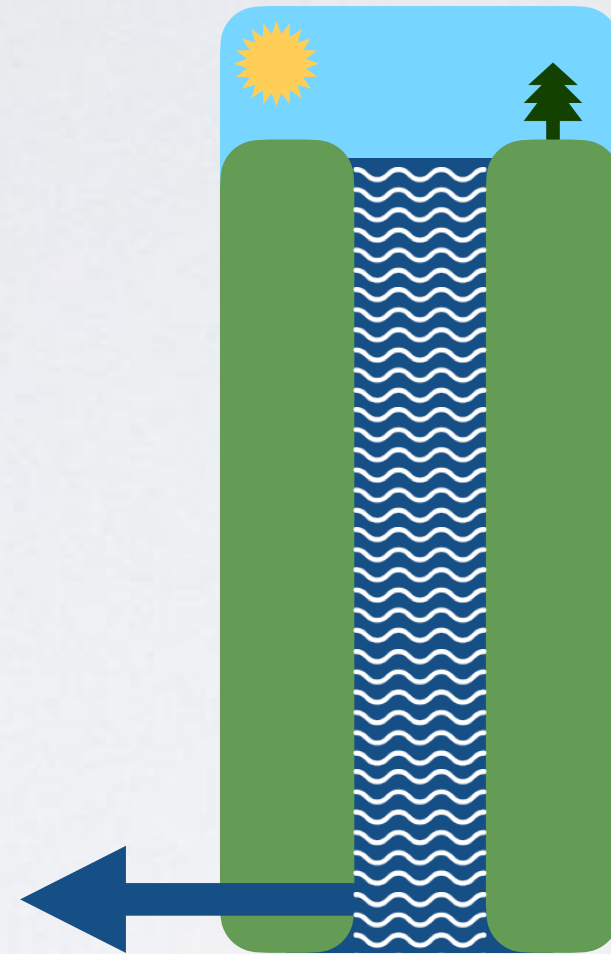


HTML

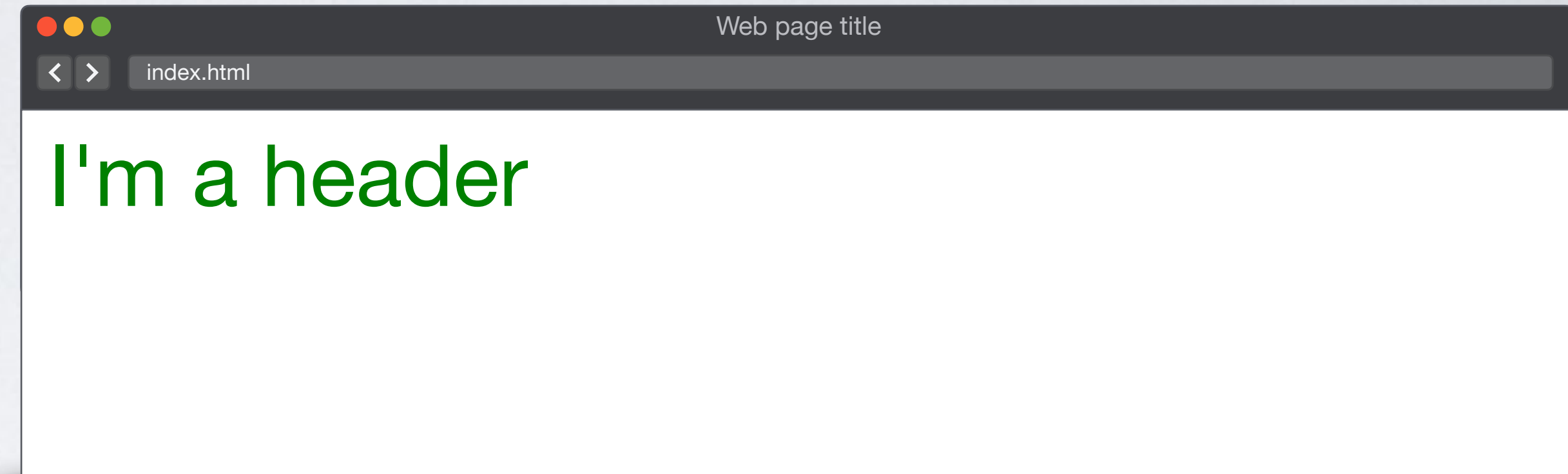
```
<html>
<head>
<link rel="stylesheet" href="styles.css">
<style>
h1 { color: blue; }
</style>
</head>

<body>
<h1 style="color: green">I'm a header</h1>
</body>
</html>
```

h1 { color: red; }



CSS



CASCADE

+

SPECIFICITY

HTML

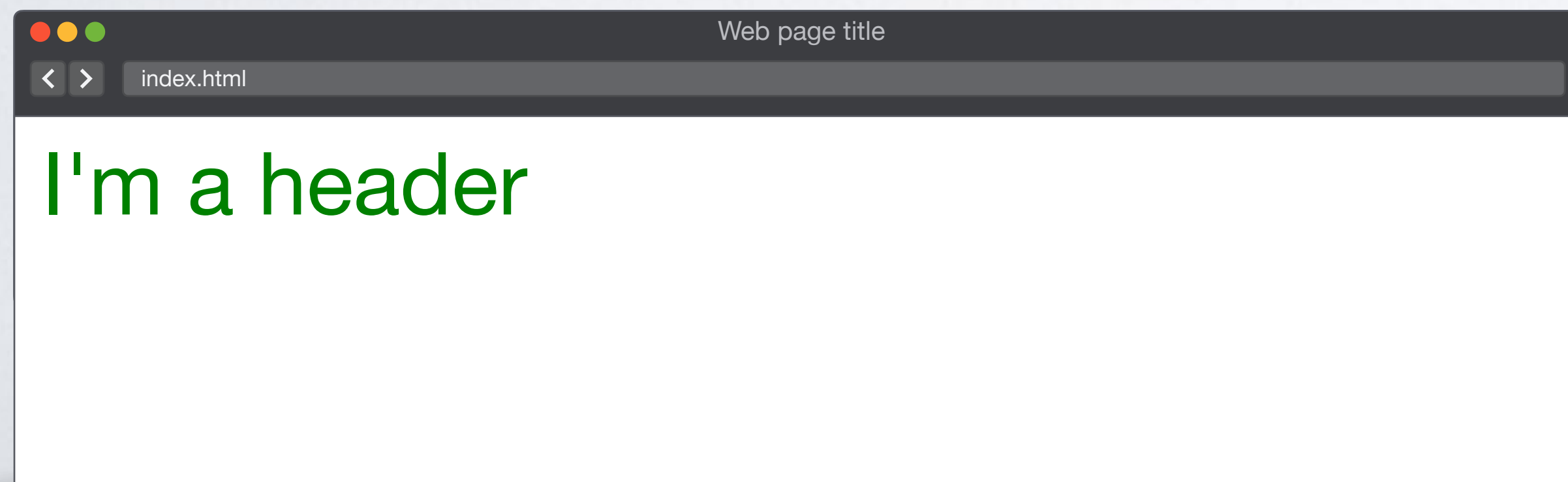
```
<body>
<header>
  <h1>I'm a header</h1>
</header>
</body>
```

CSS

```
header h1 { color: green; }
h1 { color: blue; }
```

The h1 selector position is better for cascade, but header h1 prevails because is more specific.

Browser



SPECIFICITY

HTML

```
<head>
<link rel="stylesheet" href="css/styles.css">
<style>
  h1 { color: gray; }
</style>
</head>
<body>
<header>
  <h1>I'm a header</h1>
</header>
</body>
```

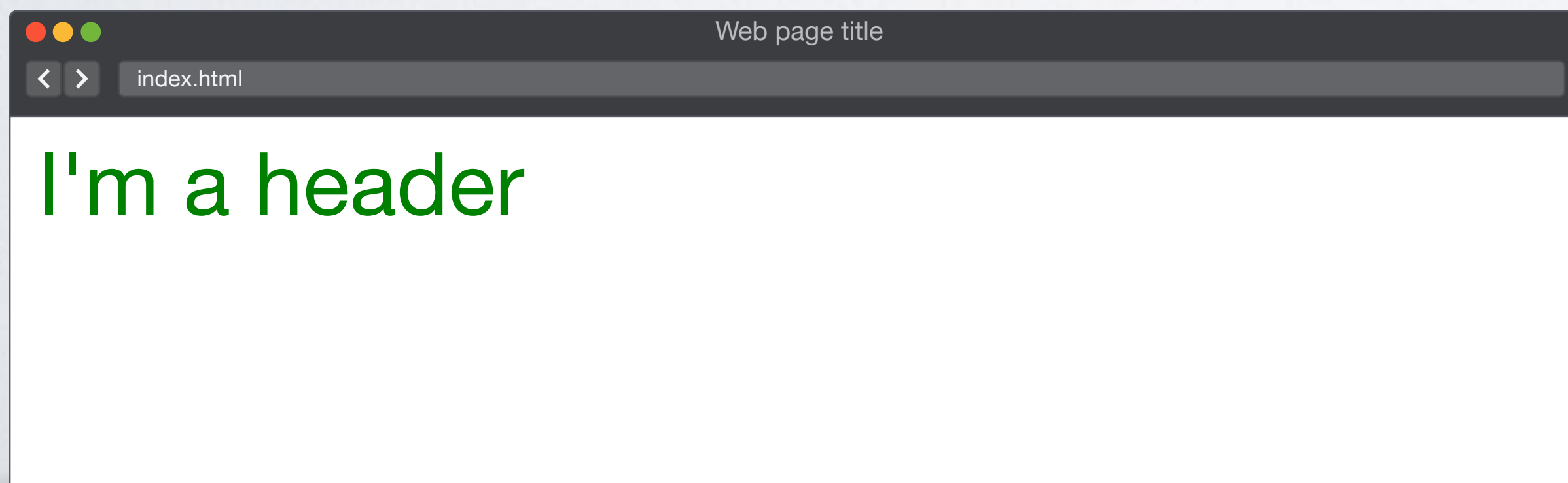
Should have priority due to cascading priority scheme

CSS (css/styles.css)

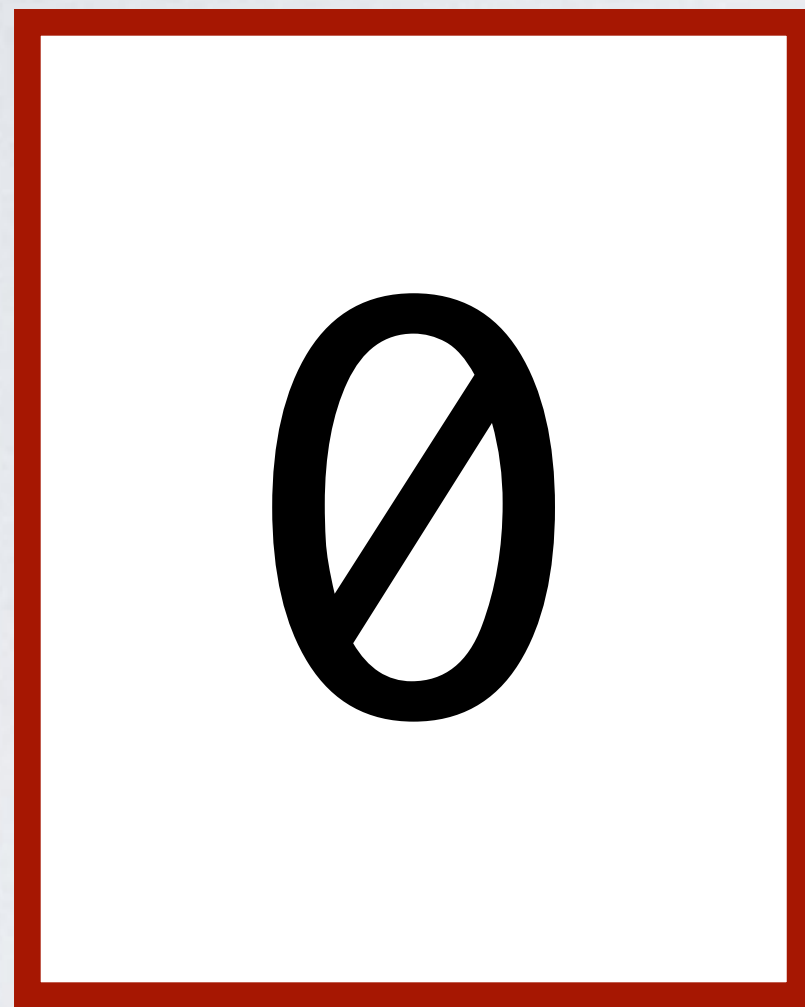
```
header h1 { color: green; }
```

But this selector prevails because of its specificity

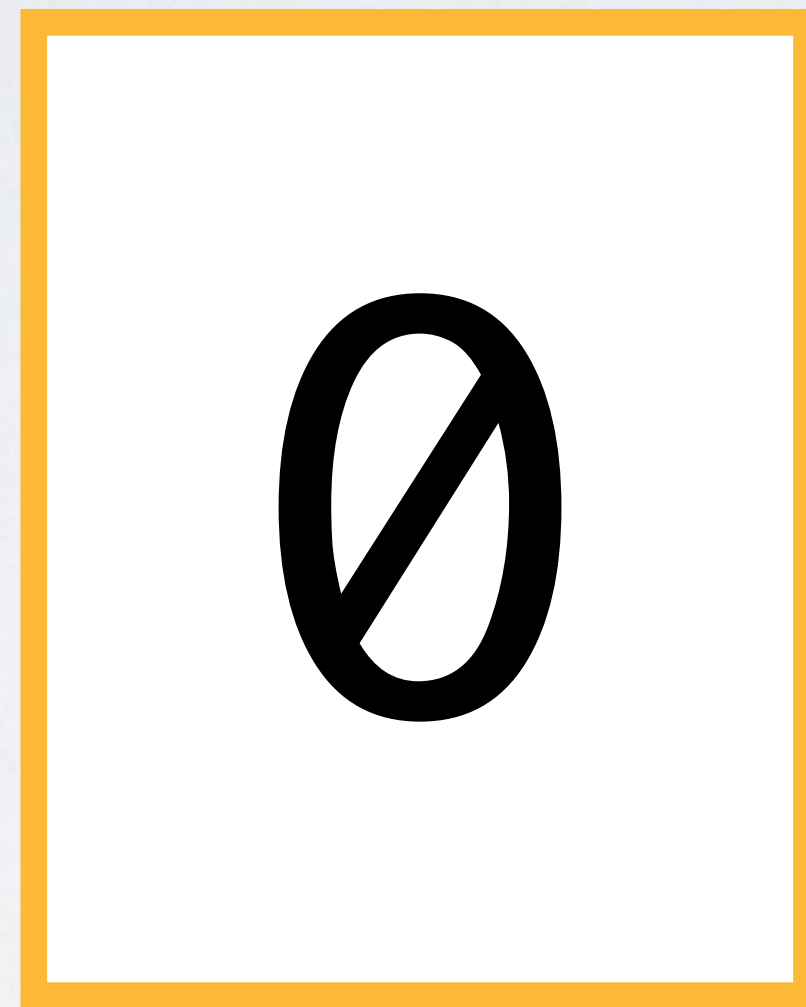
Browser



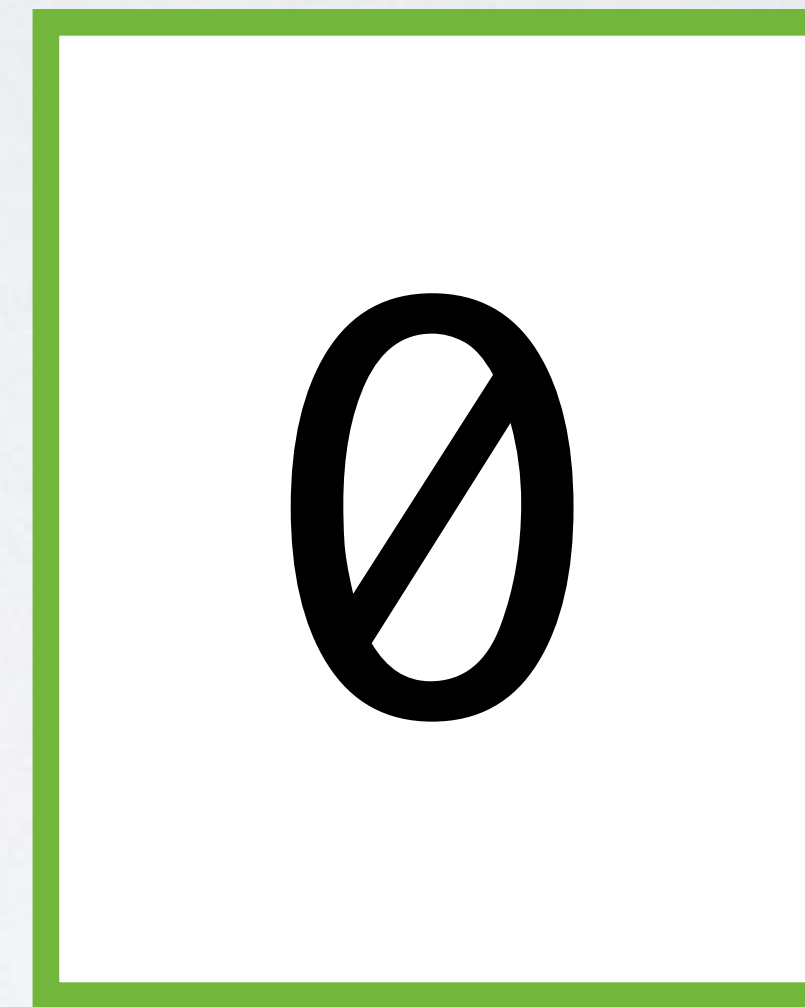
selector



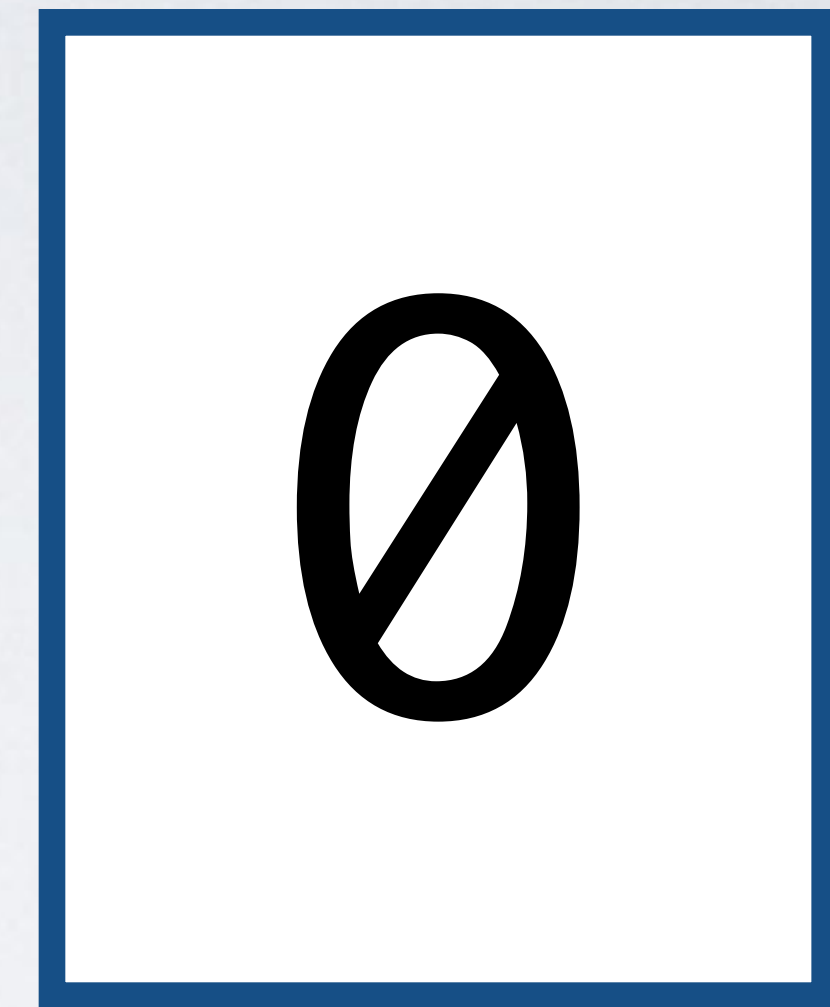
Inline
(style attribute)



ID

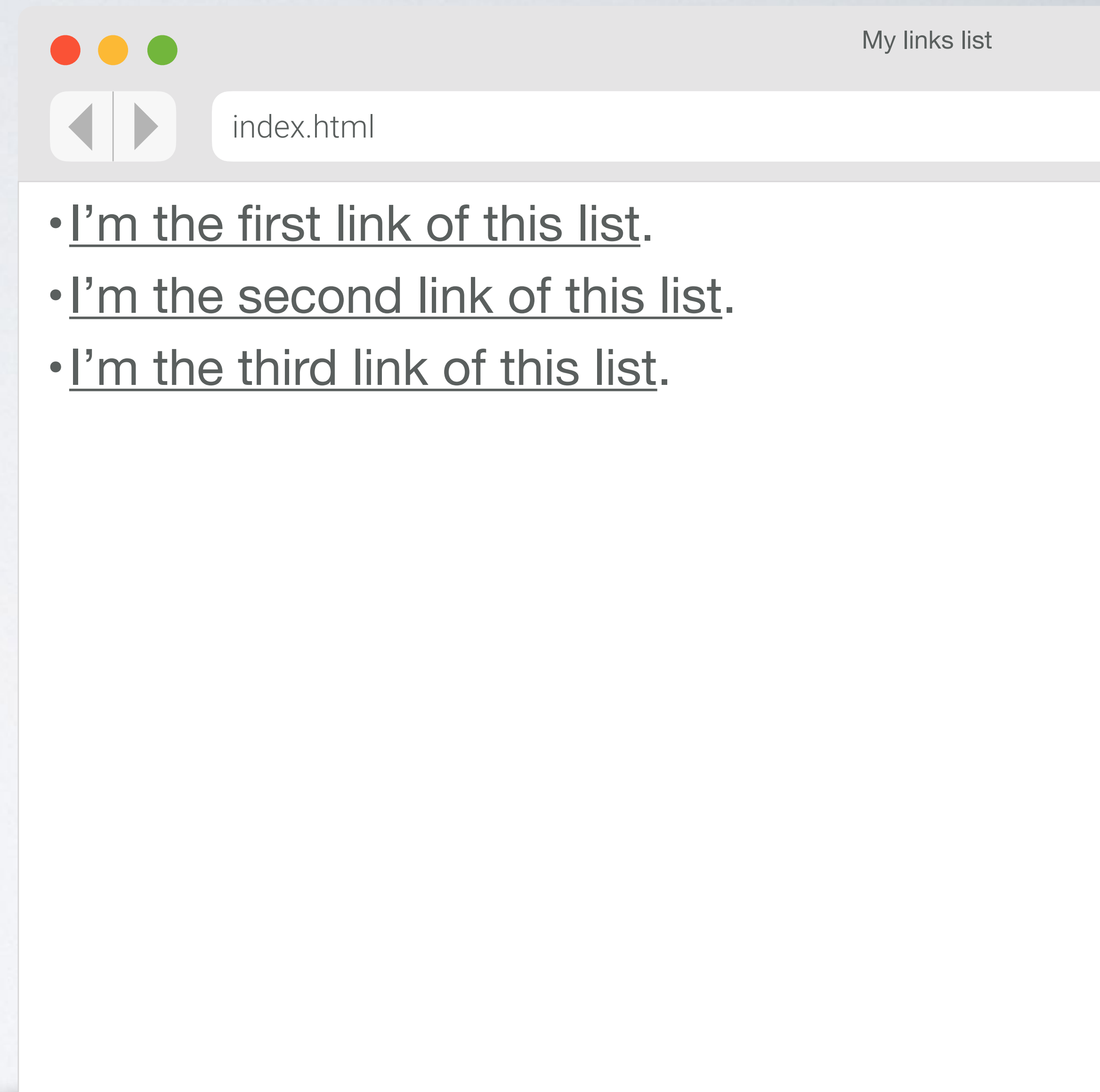


Class
Pseudo-class
Attribute

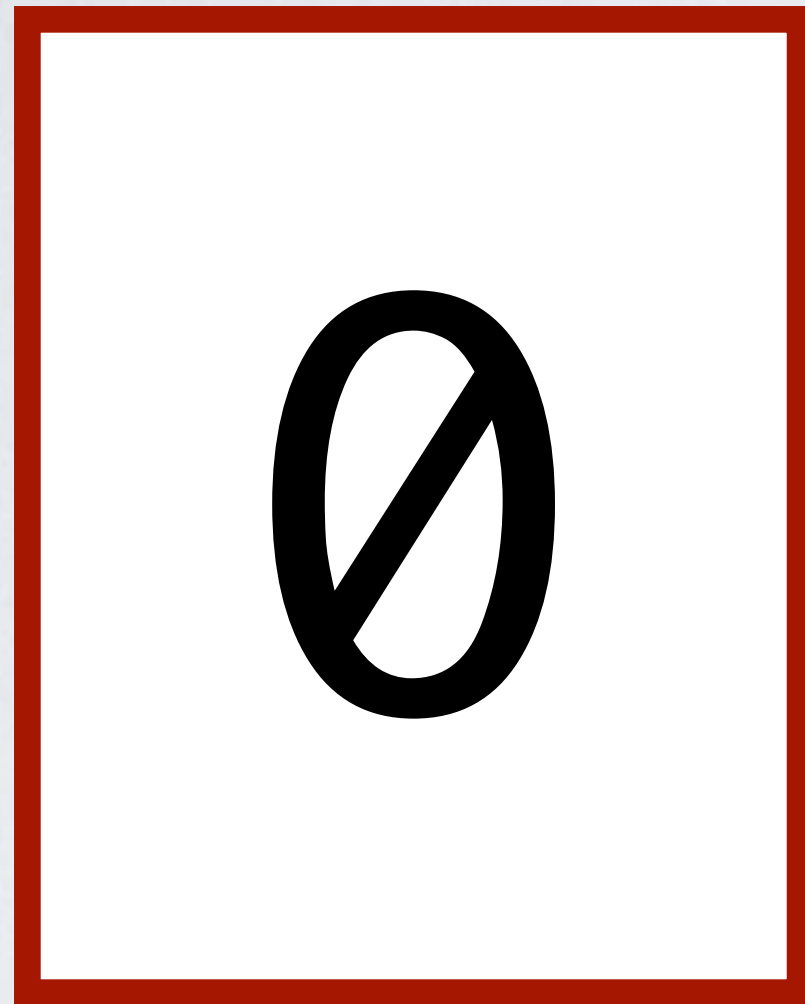


Element

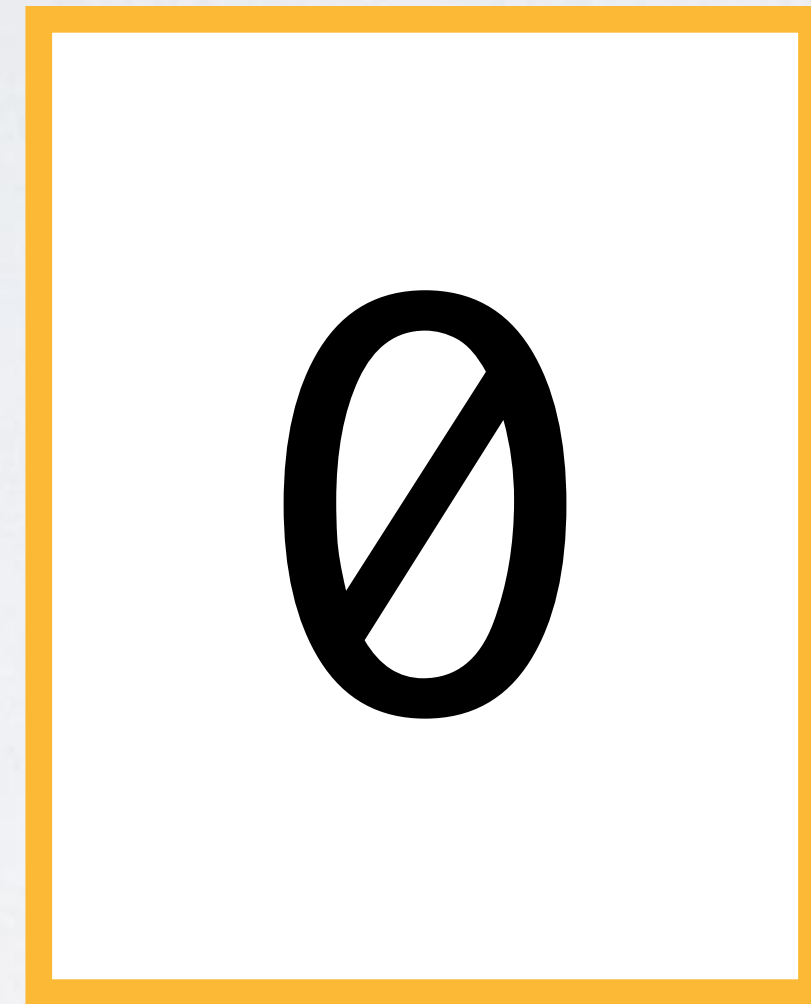

```
ul li a
```



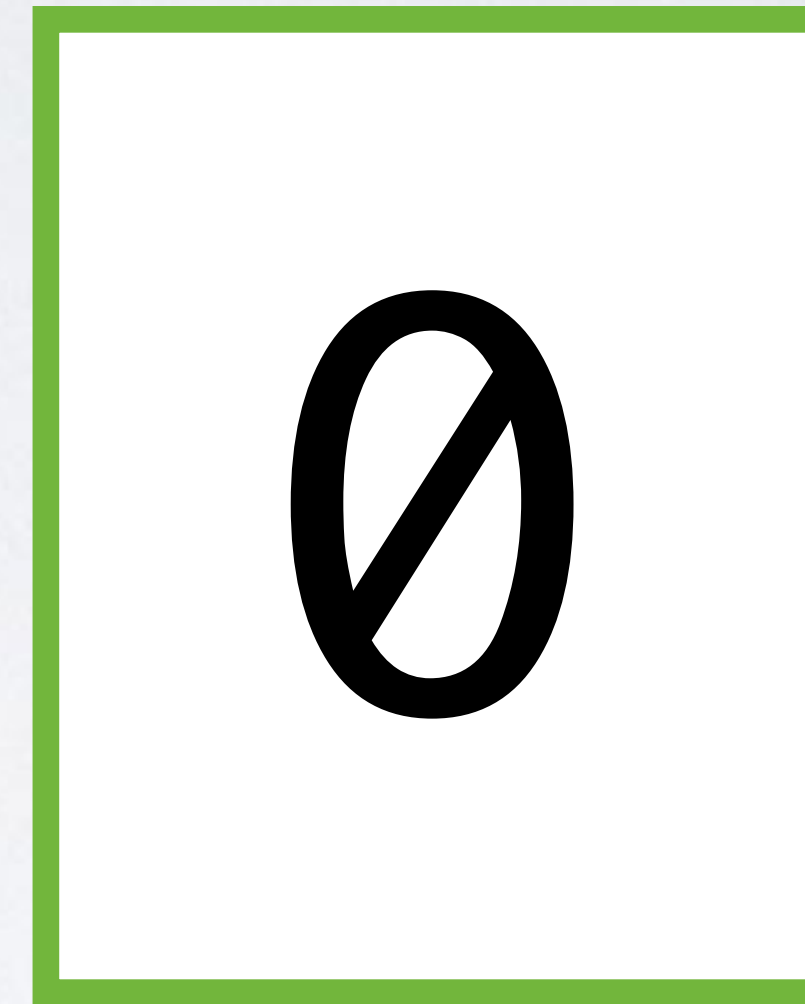
ul li a



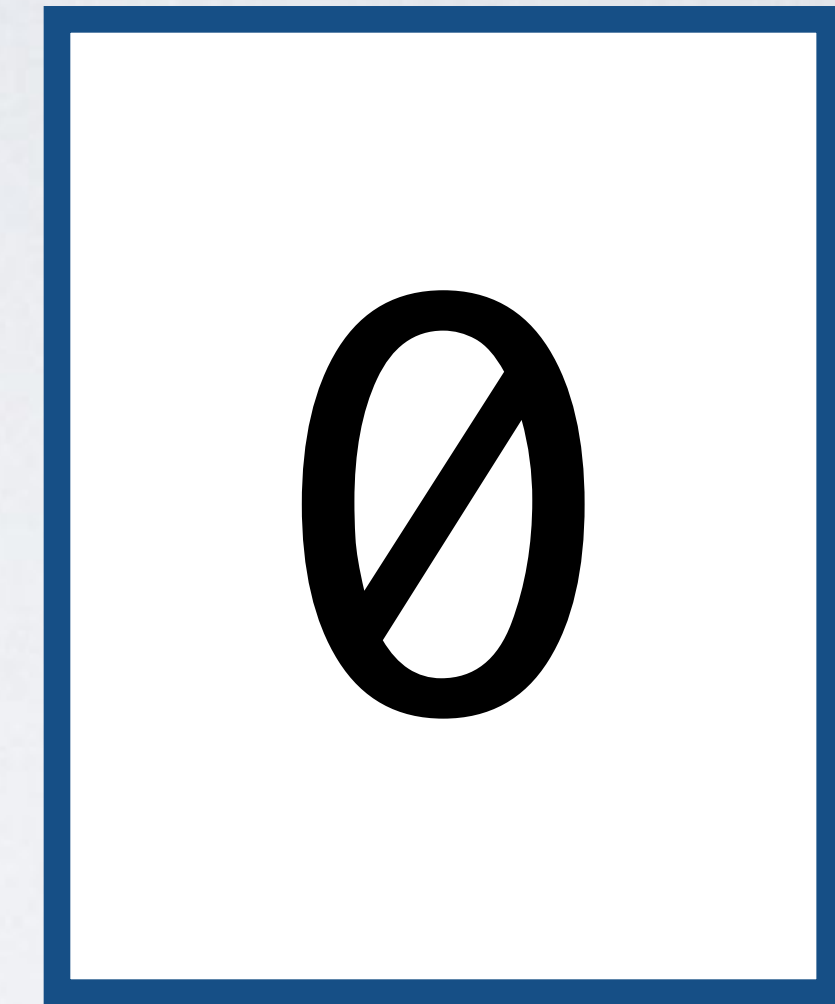
Inline
(style attribute)



ID

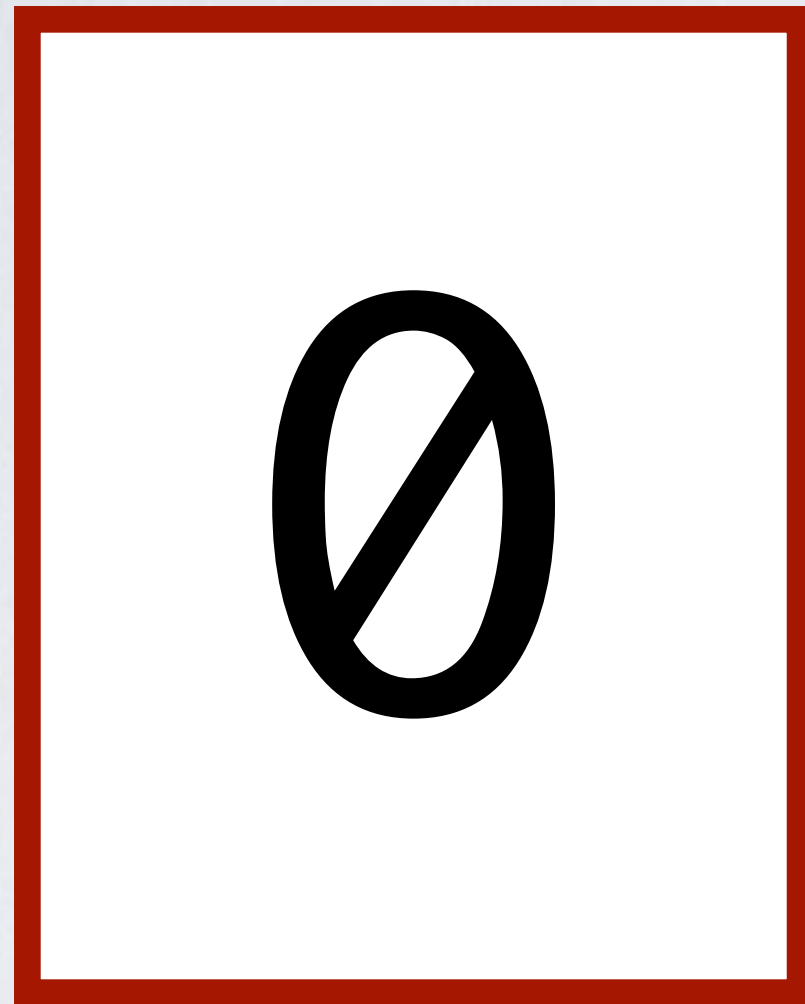


Class
Pseudo-class
Attribute

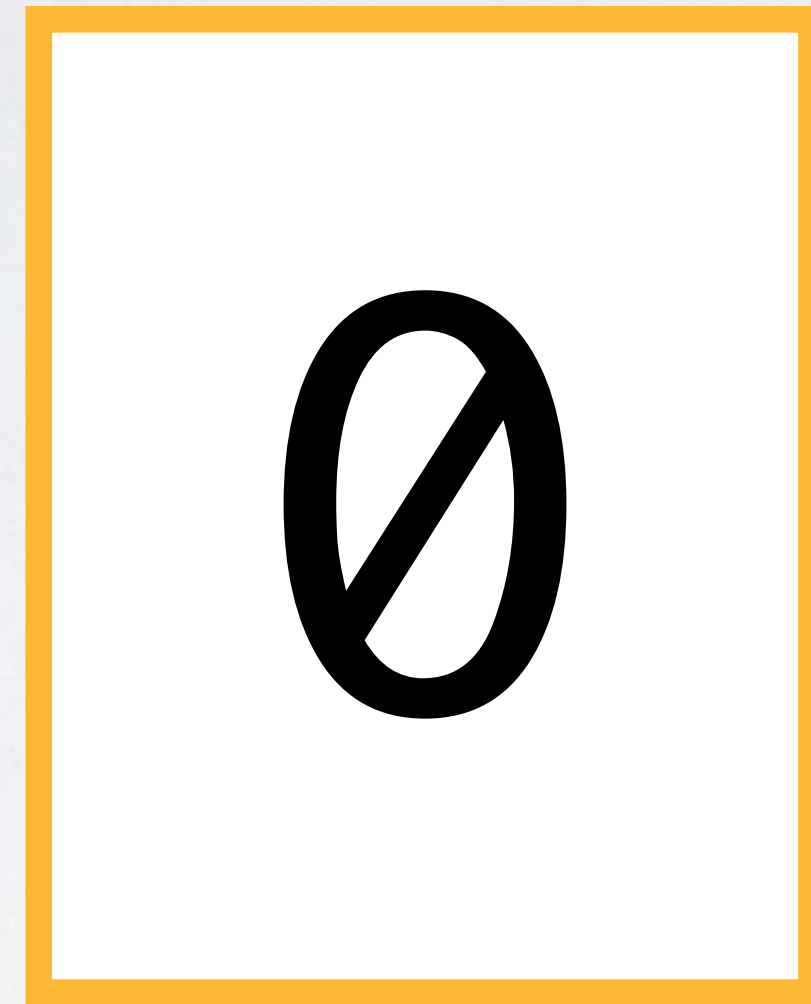


Element

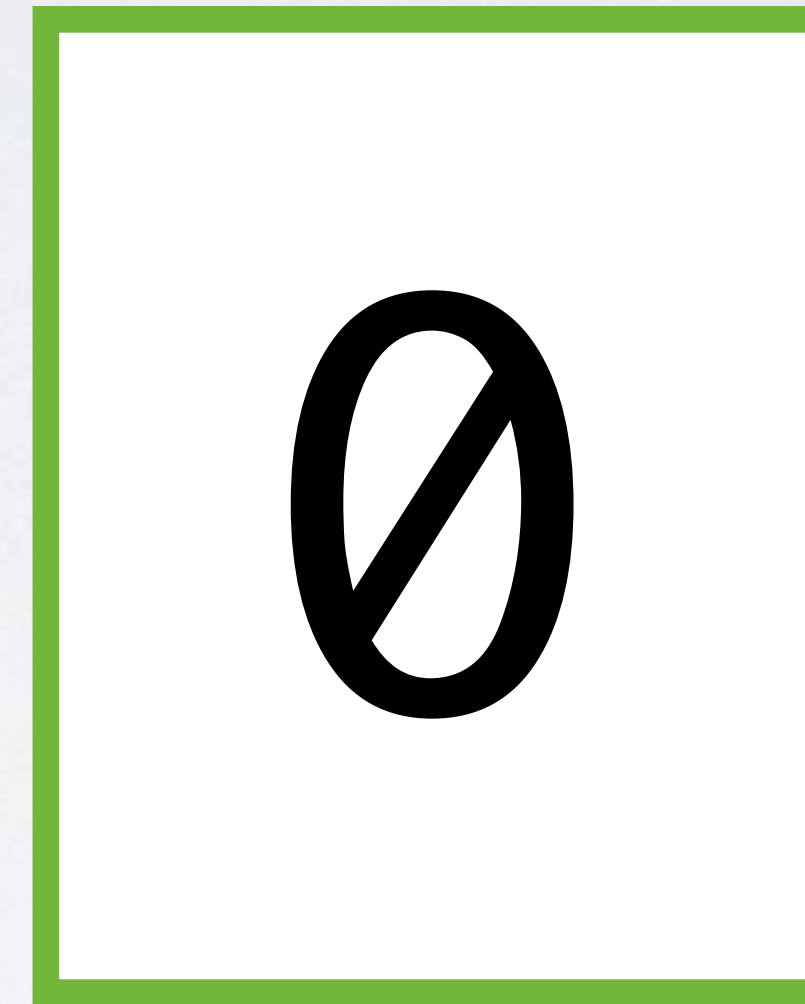
ul li a



Inline
(style attribute)



ID



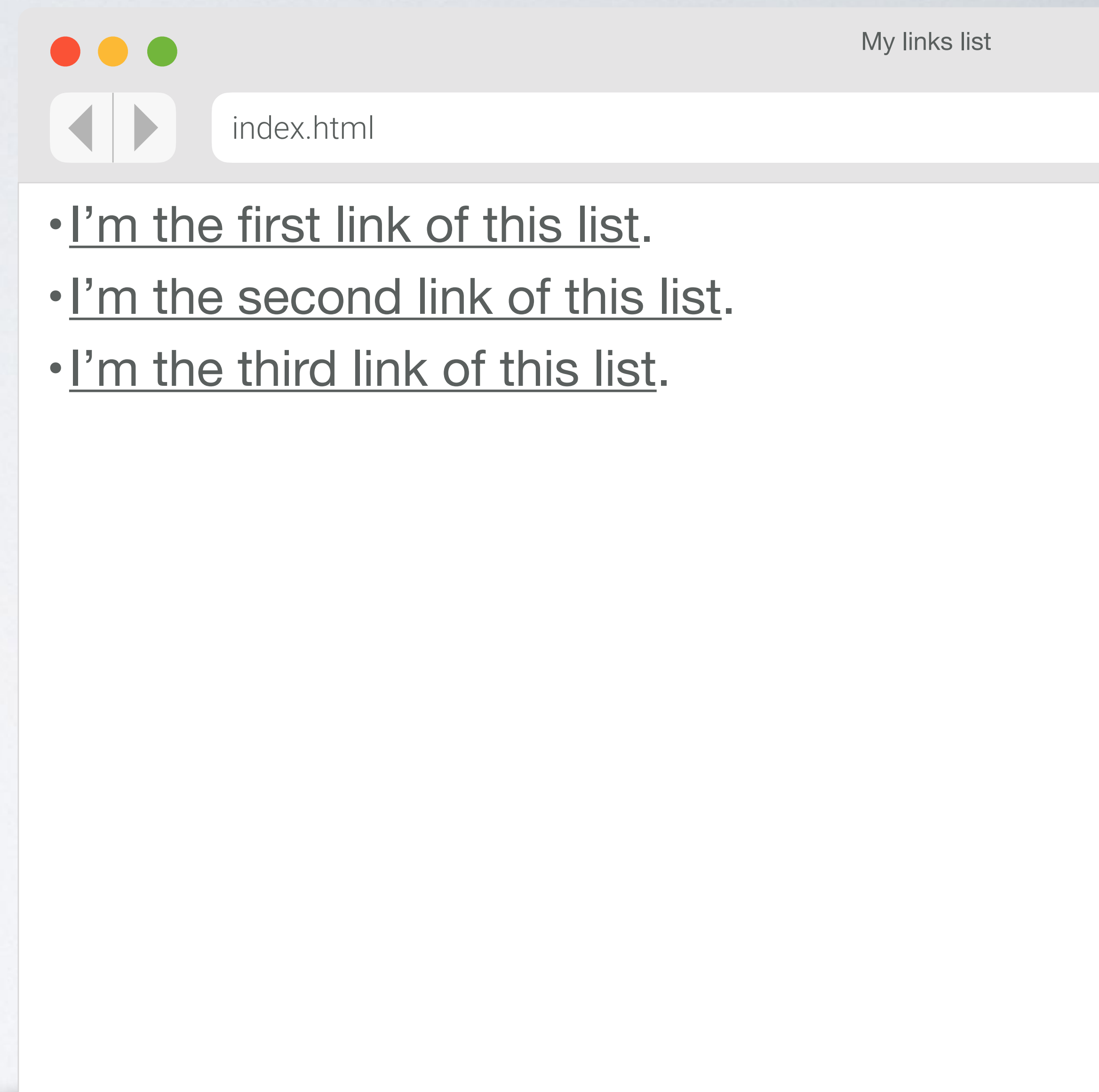
Class
Pseudo-class
Attribute



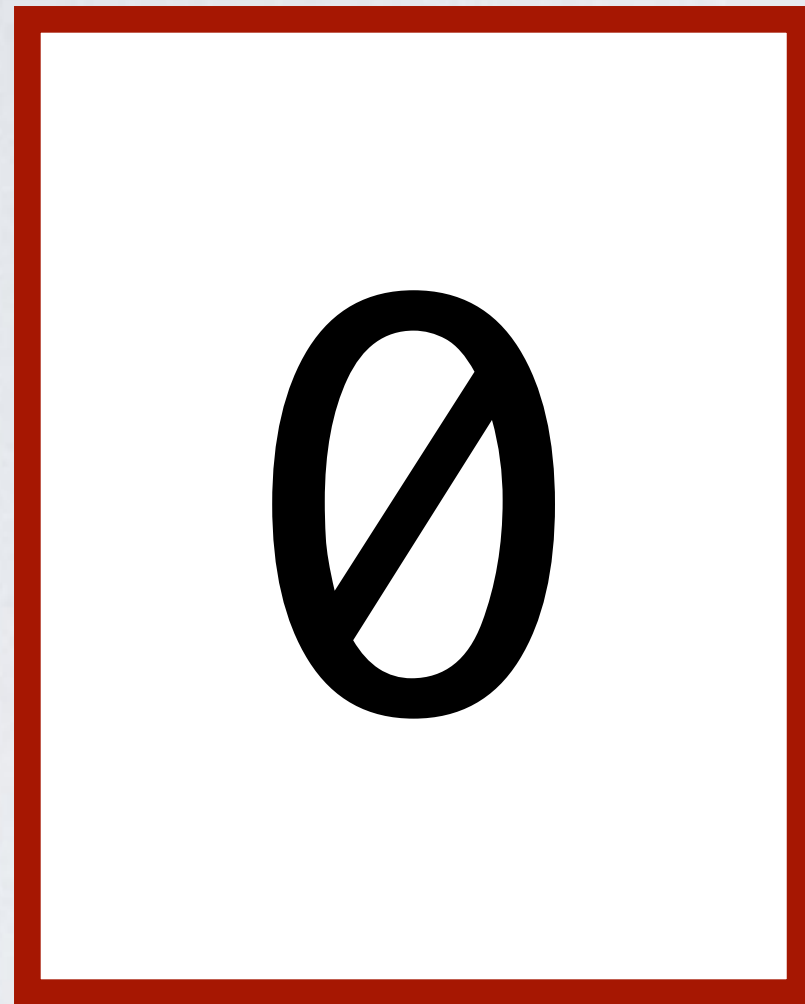
Element

```
.lk-list
```

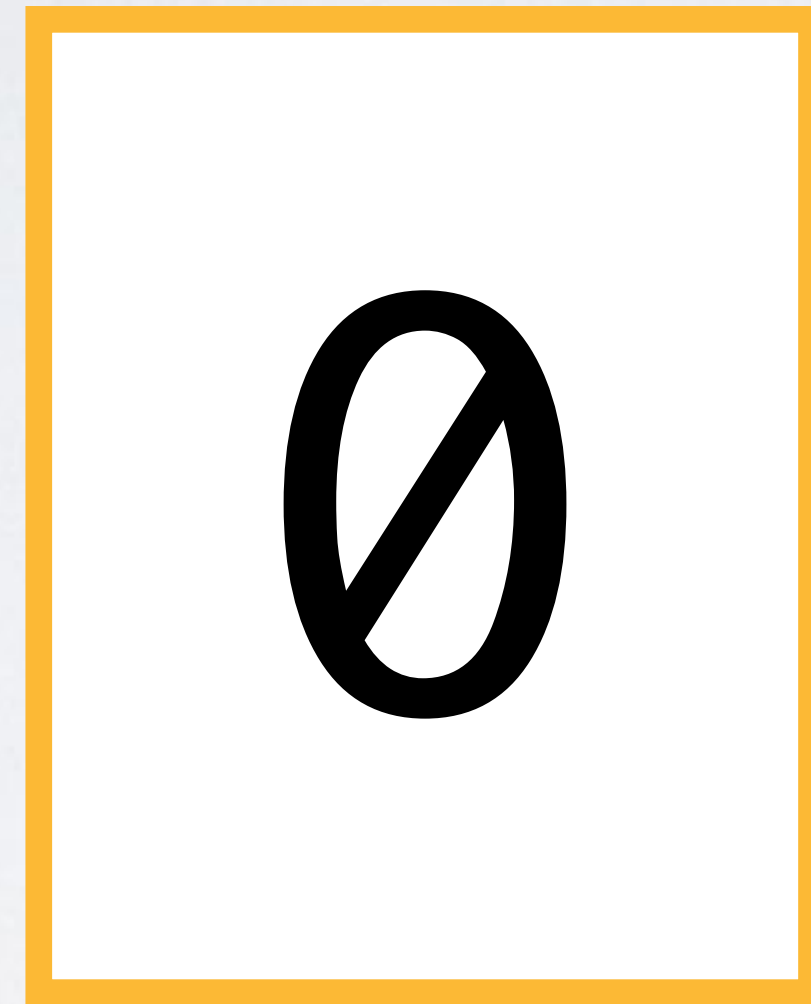
```
ul li a
```



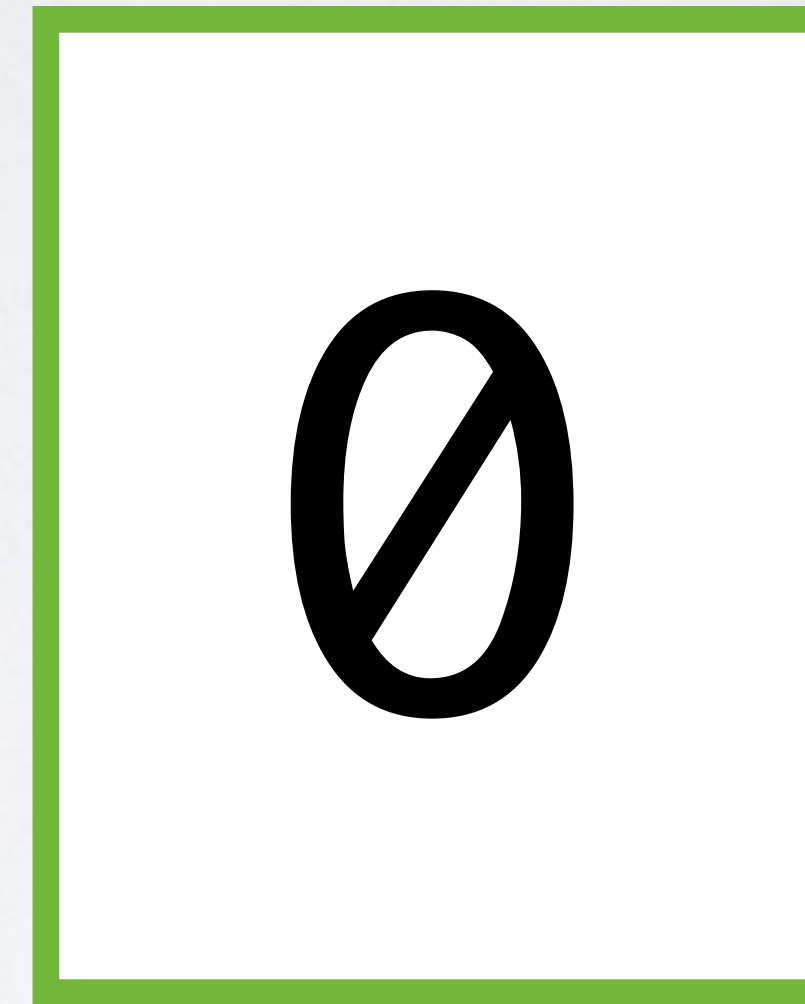
`.lk-list`



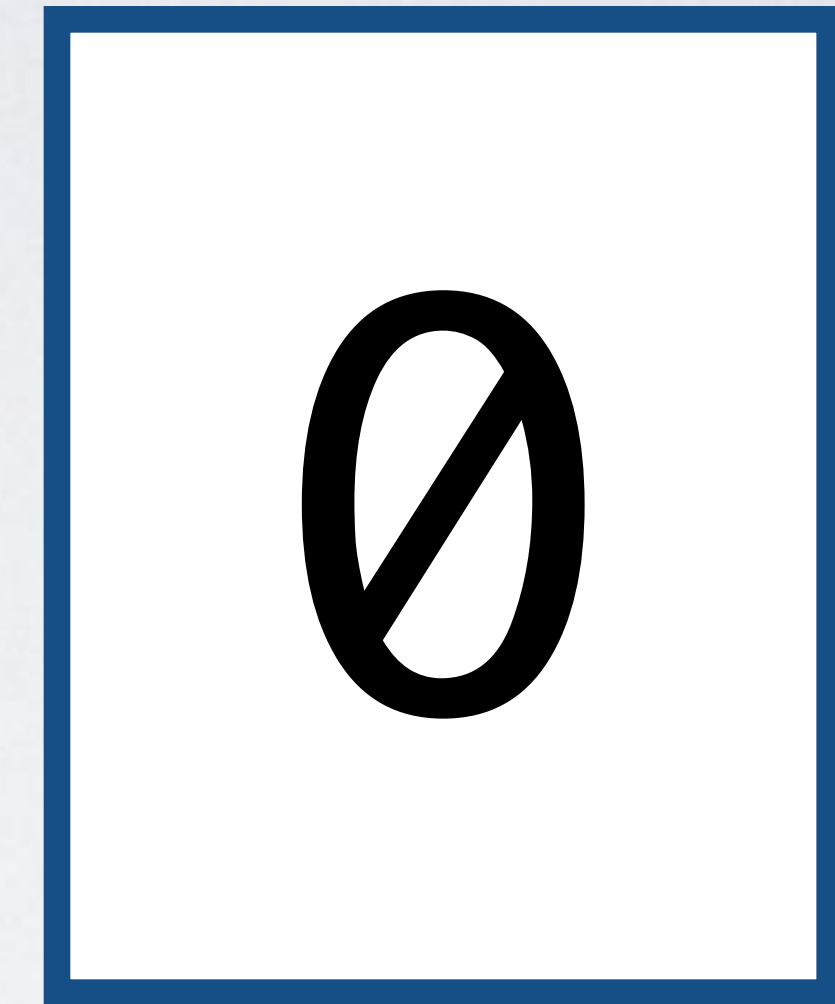
Inline
(style attribute)



ID

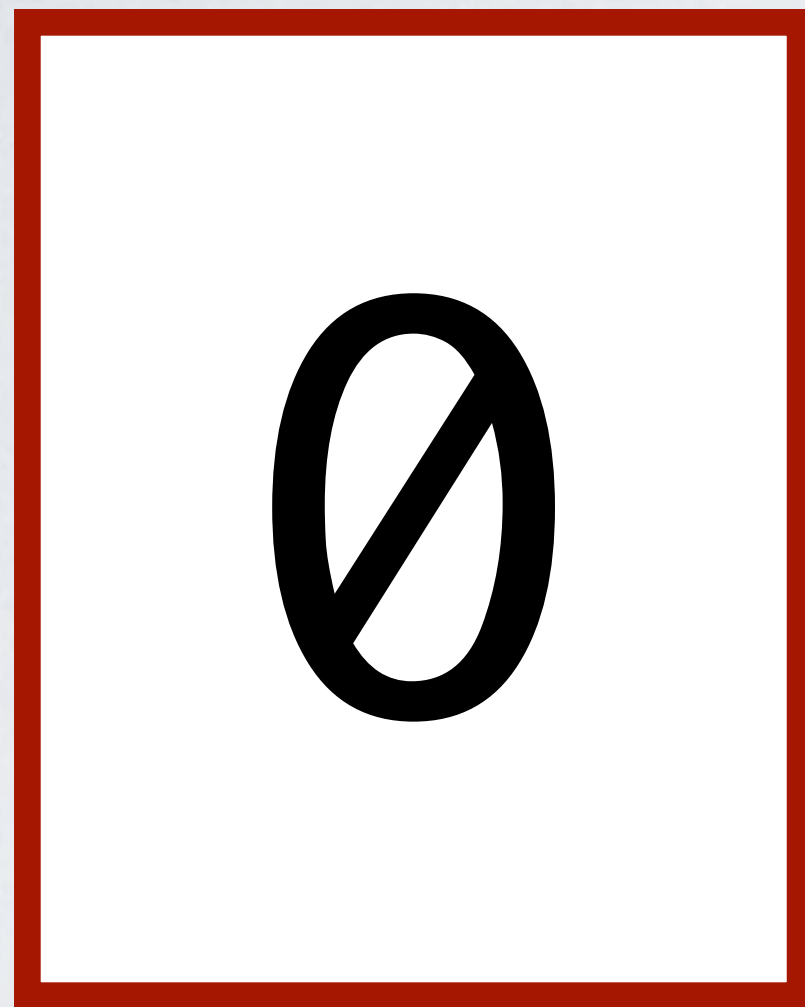


Class
Pseudo-class
Attribute

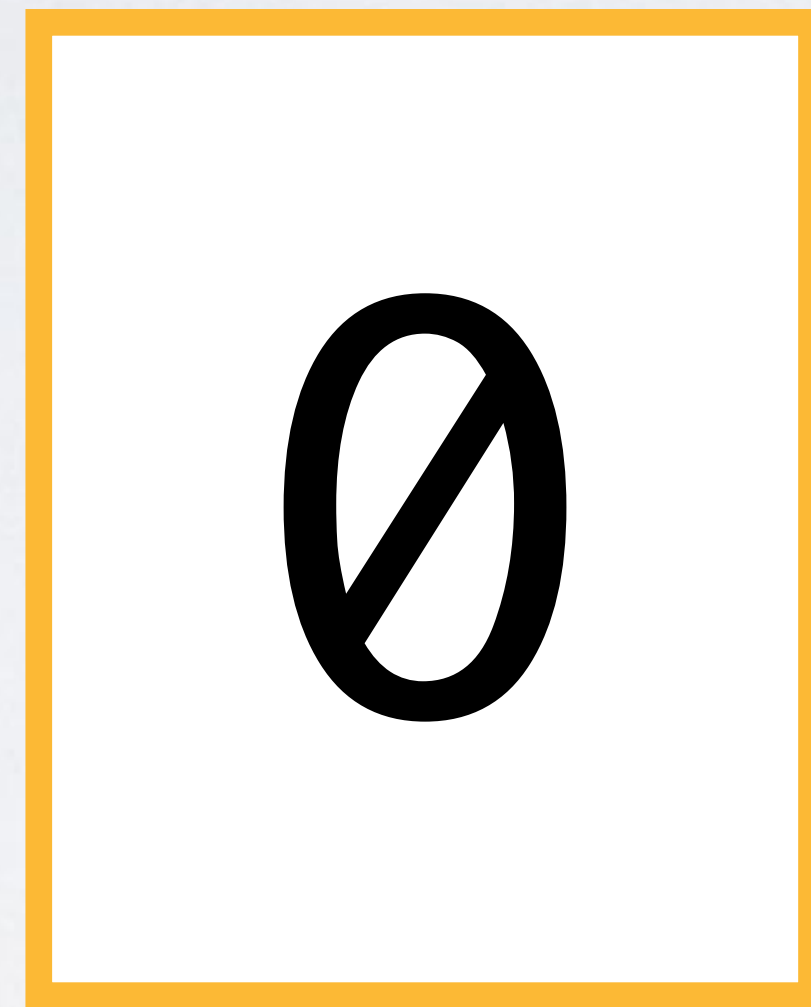


Element

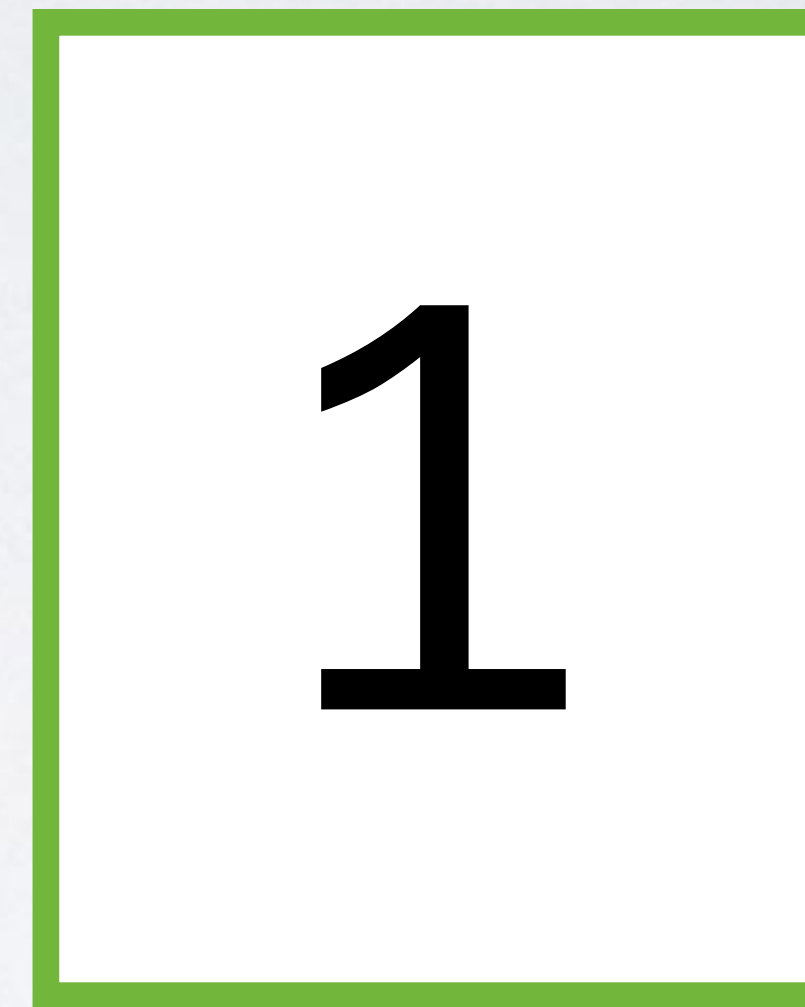
.lk-list



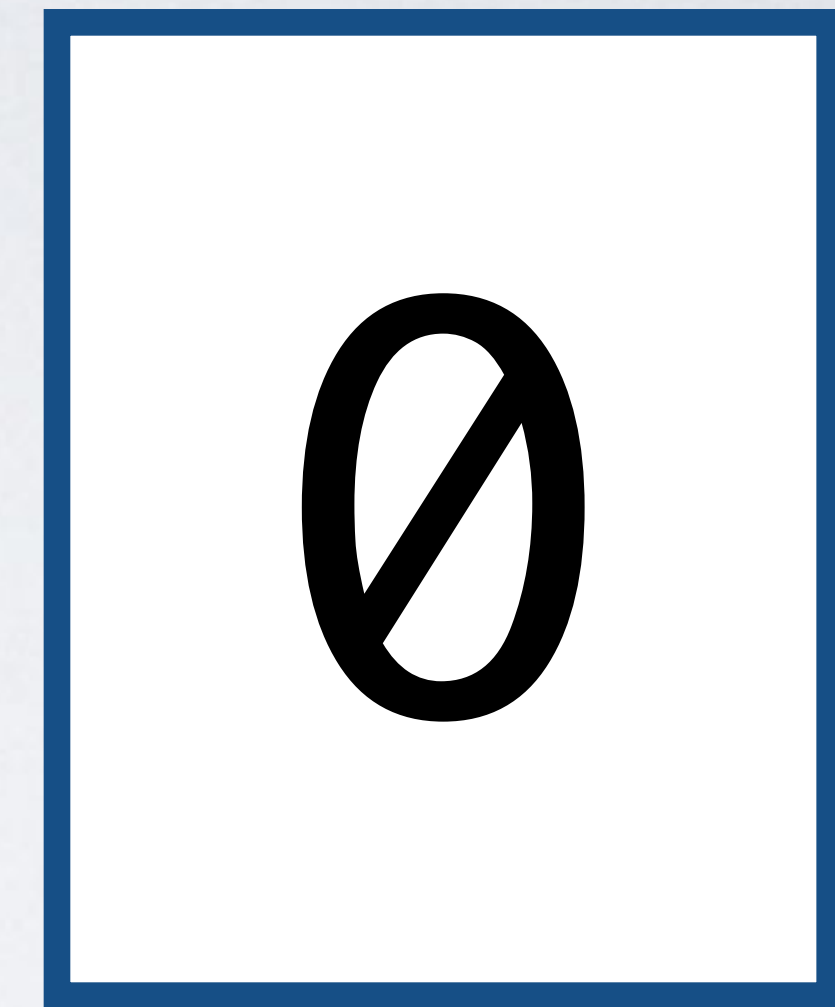
Inline
(style attribute)



ID



Class
Pseudo-class
Attribute

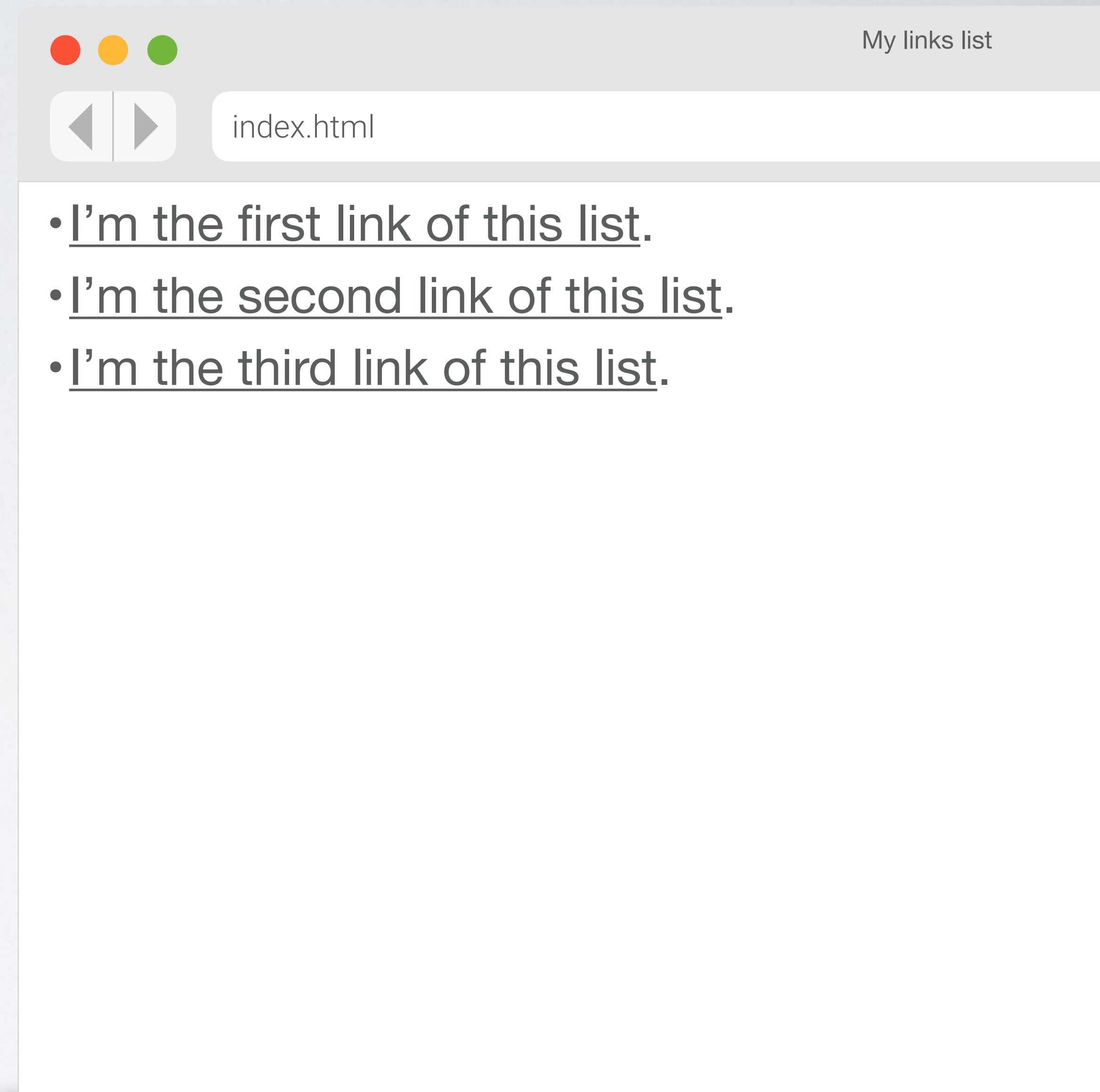


Element

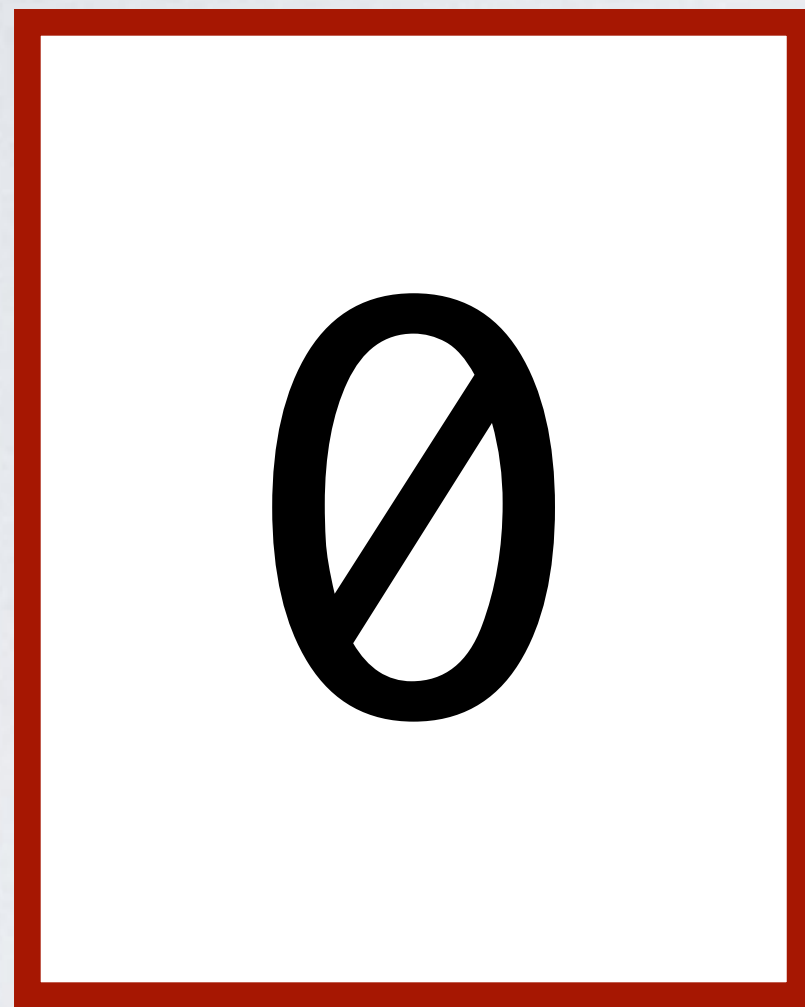
```
#lk-list
```

```
.lk-list
```

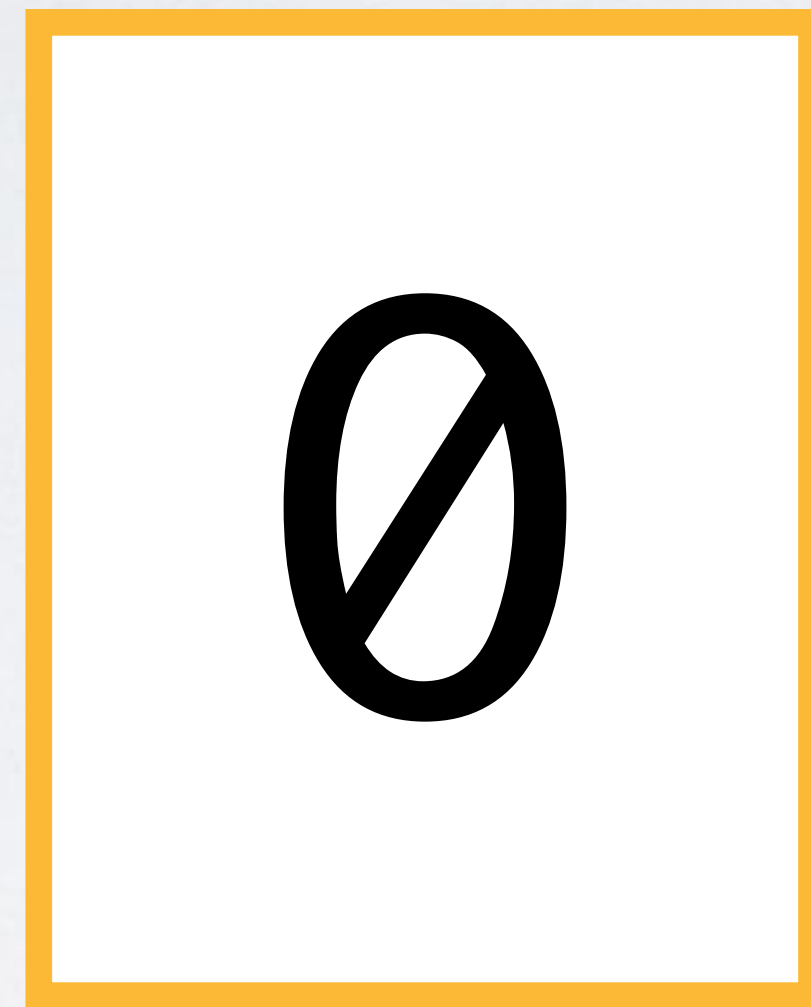
```
ul li a
```



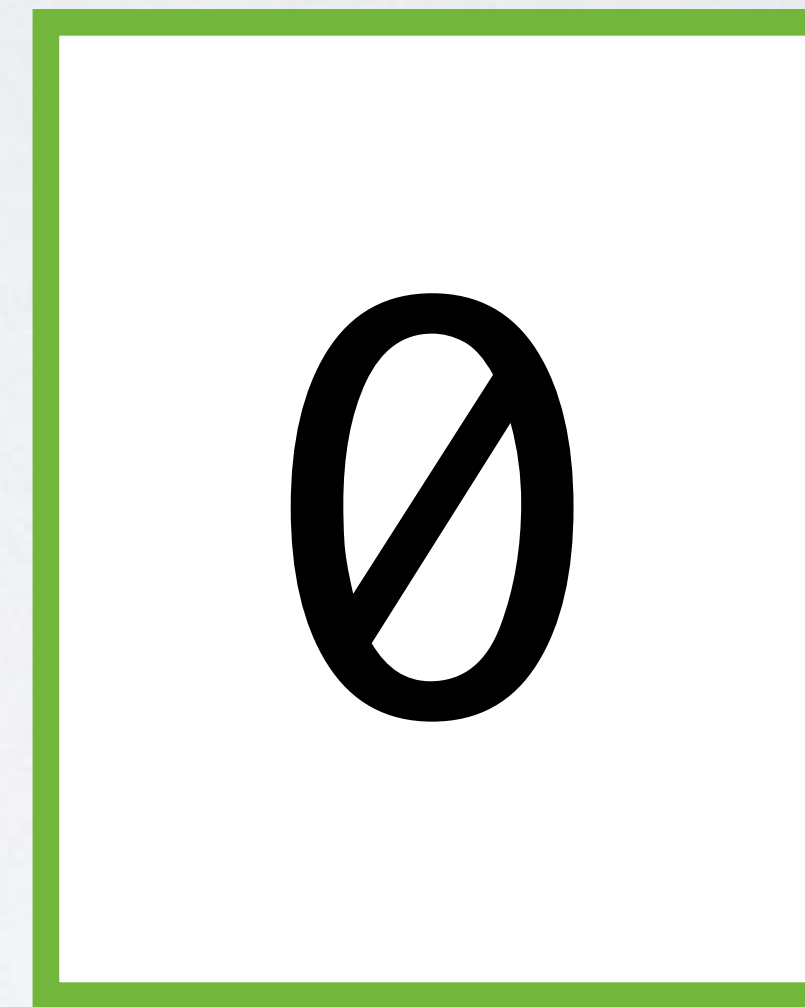
#lk-list



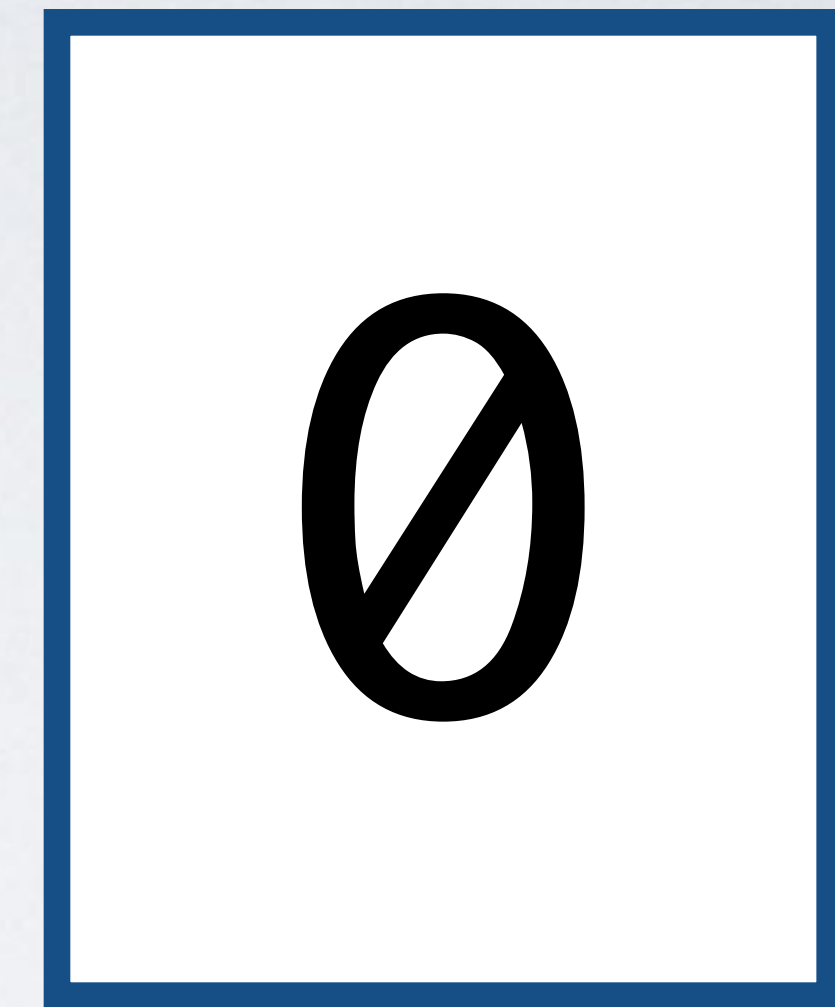
Inline
(style attribute)



ID

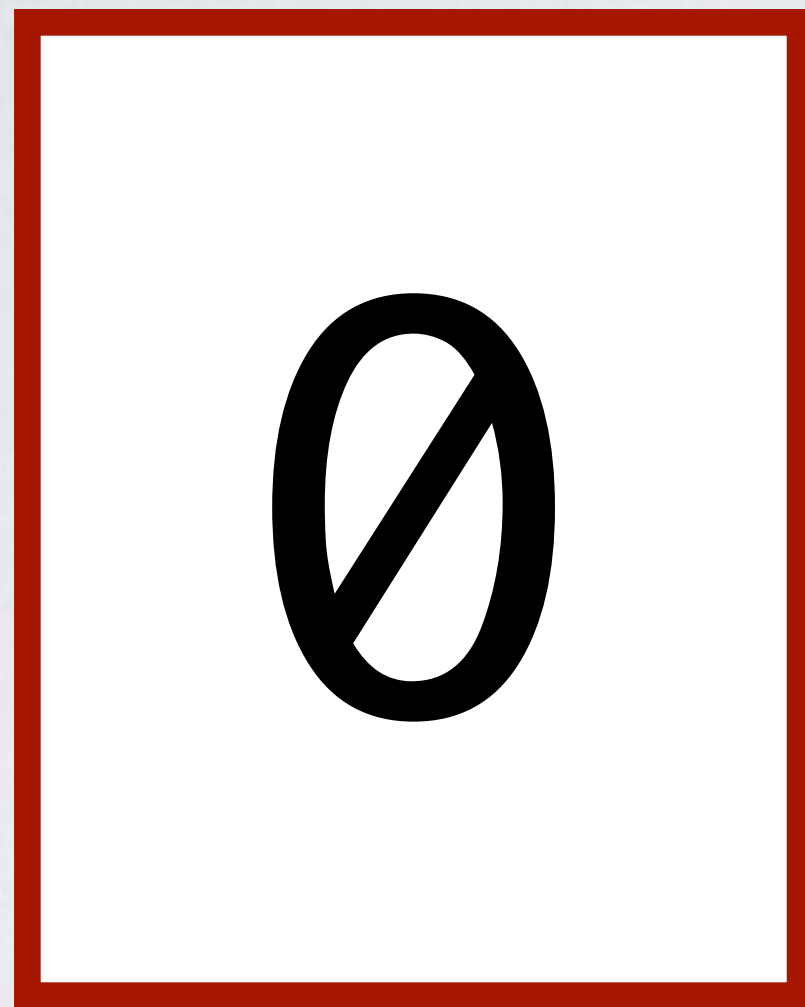


Class
Pseudo-class
Attribute



Element

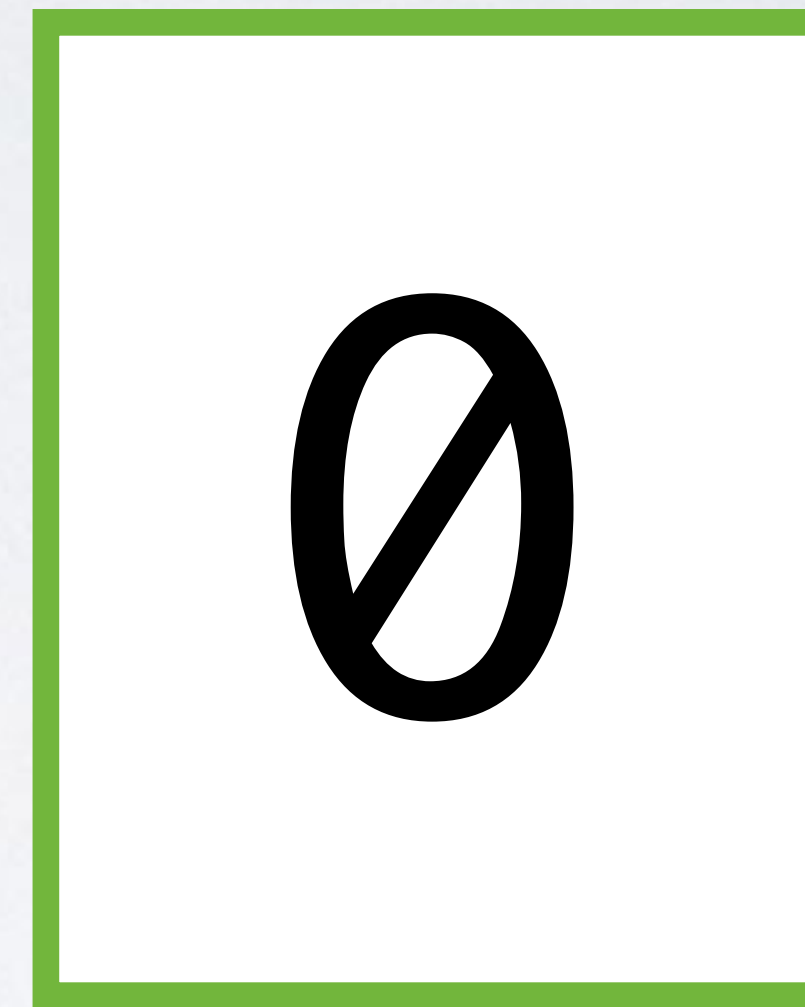
#lk-list



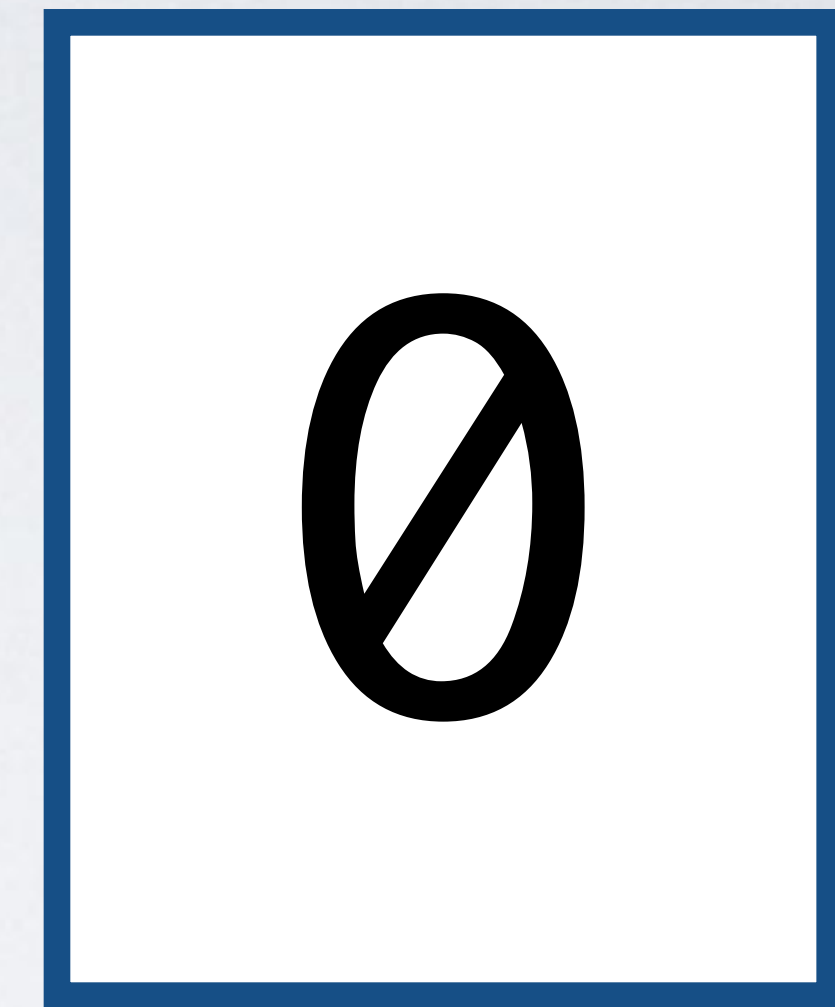
Inline
(style attribute)



ID



Class
Pseudo-class
Attribute



Element

CAUTION

```
<a style="" ...
```

```
#lk-list { }
```

```
.lk-list
```

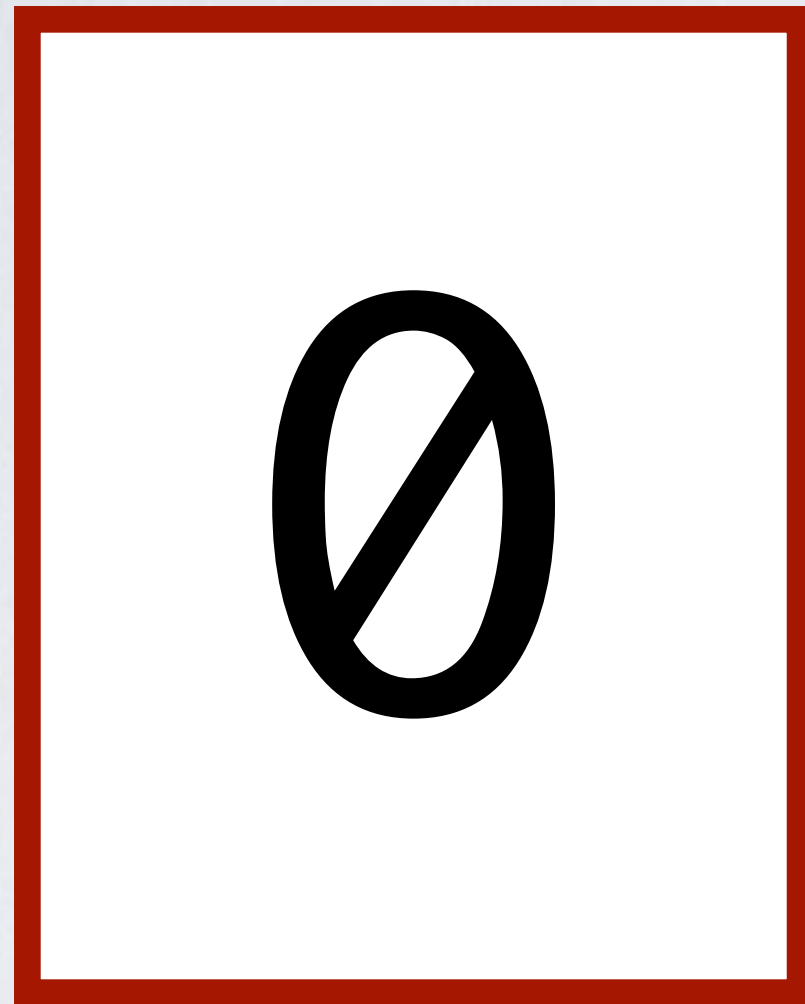
```
ul li a
```

My links list

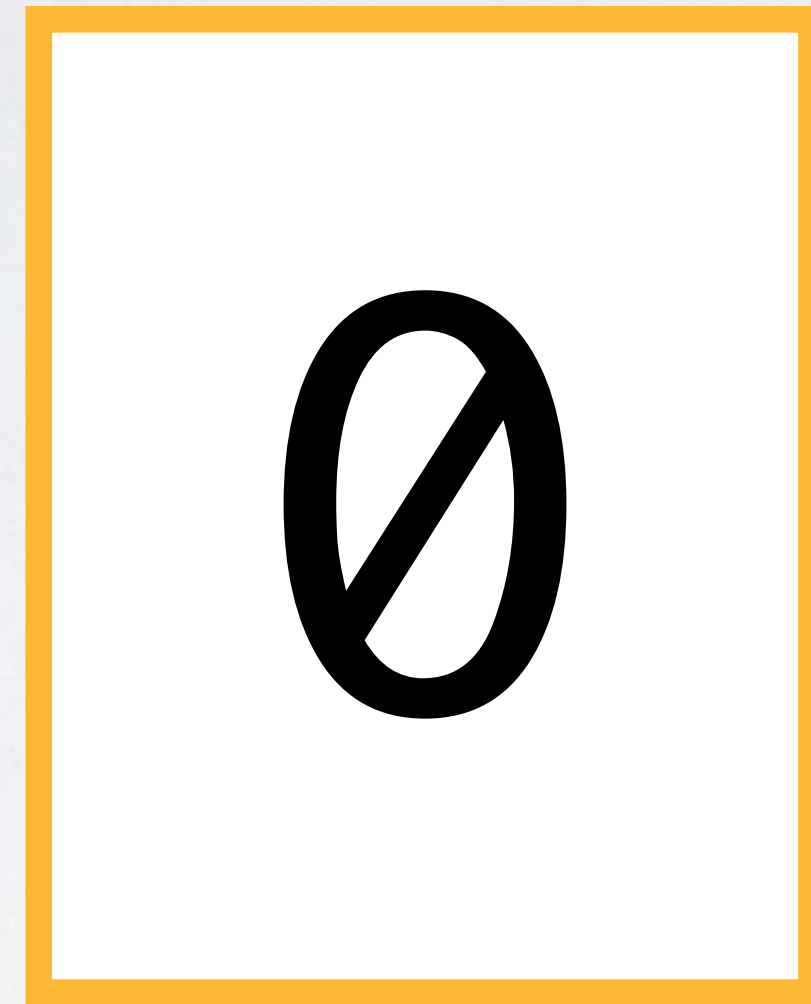
index.html

- I'm the first link of this list.
- I'm the second link of this list.
- I'm the third link of this list.

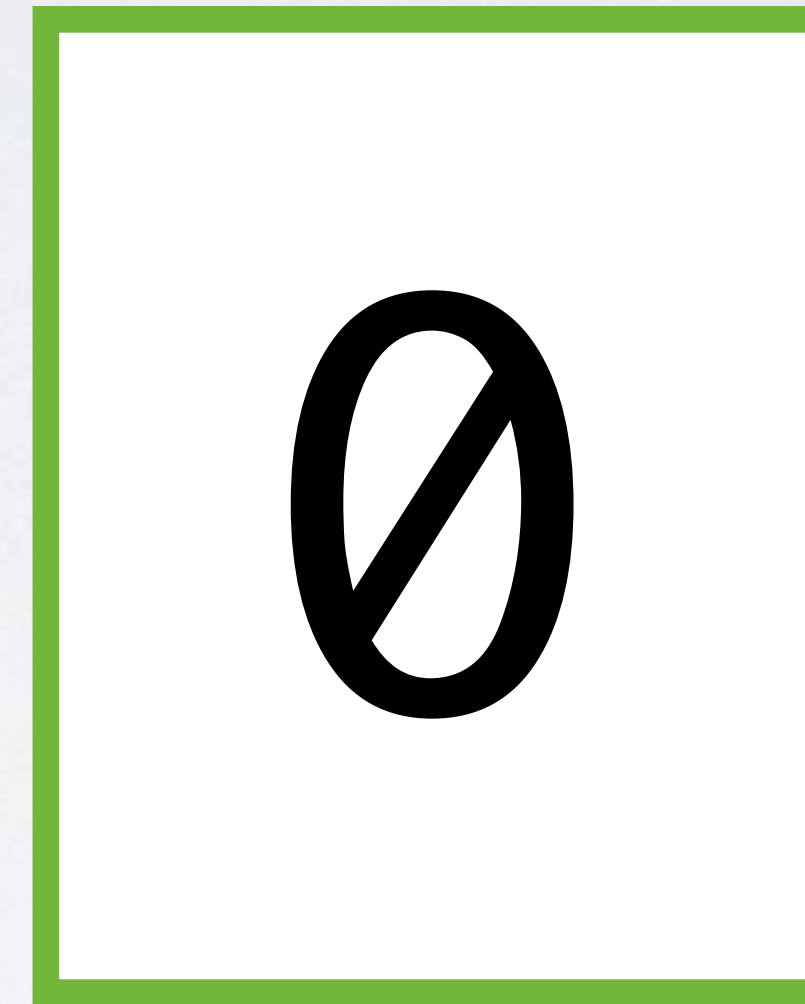
```
<a style="" ...
```



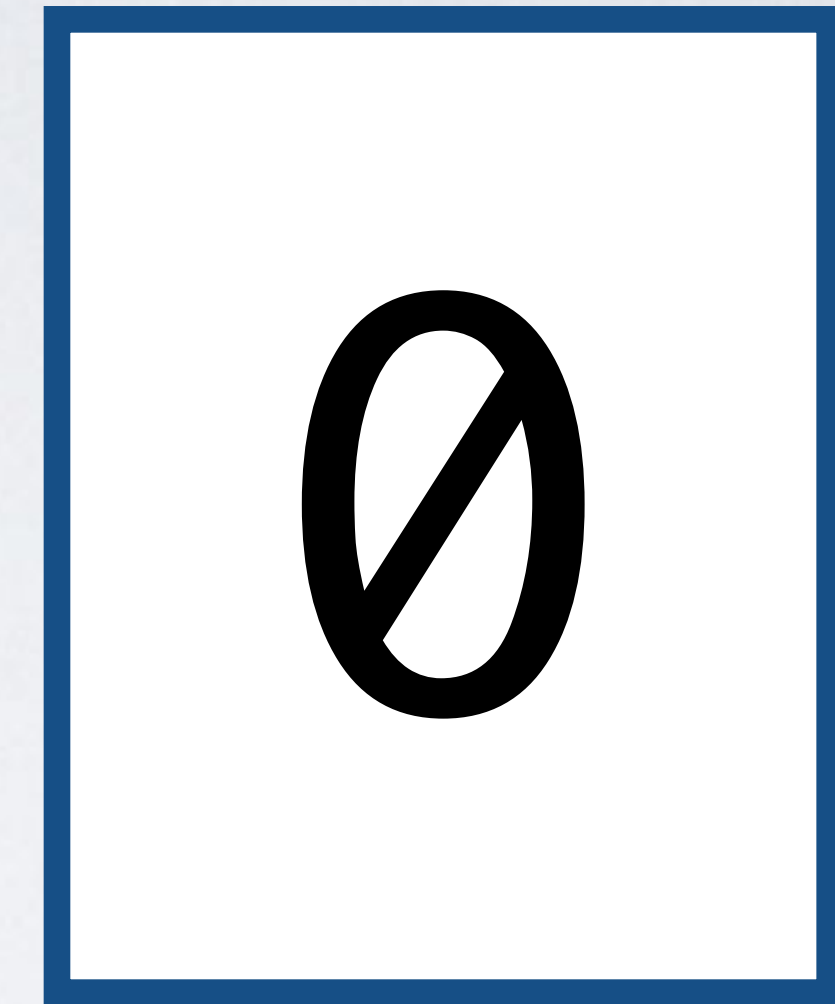
Inline
(style attribute)



ID



Class
Pseudo-class
Attribute



Element

```
<a style="" ...
```

1

Inline
(style attribute)

0

ID

0

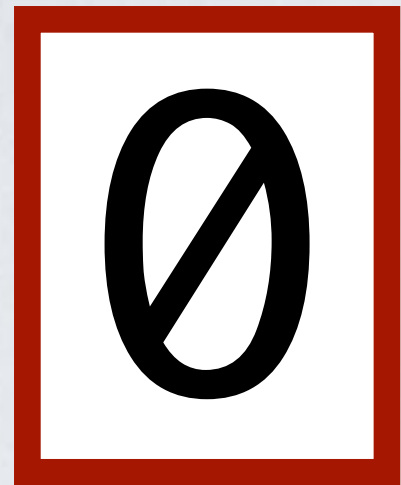
Class
Pseudo-class
Attribute

0

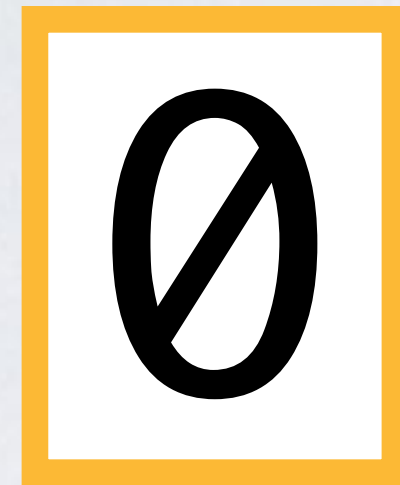
Element

LET'S PLAY!

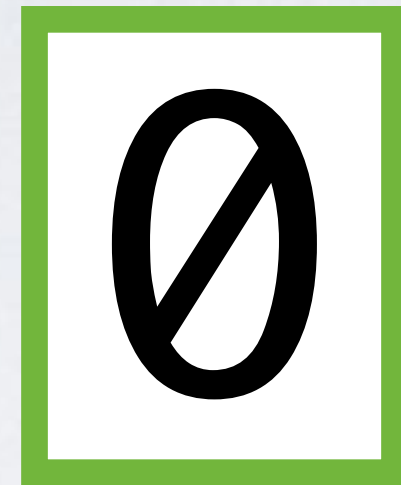
```
html body div div h2
```



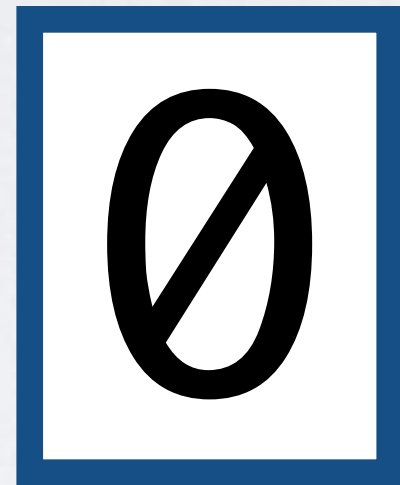
Inline



ID

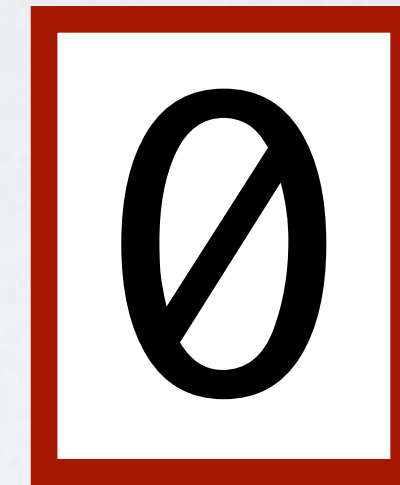


Class
Pseudo-class
Attribute

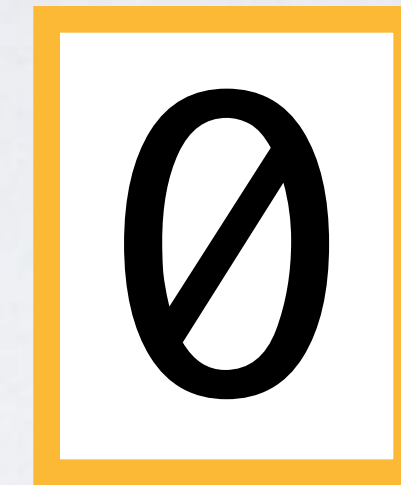


Element

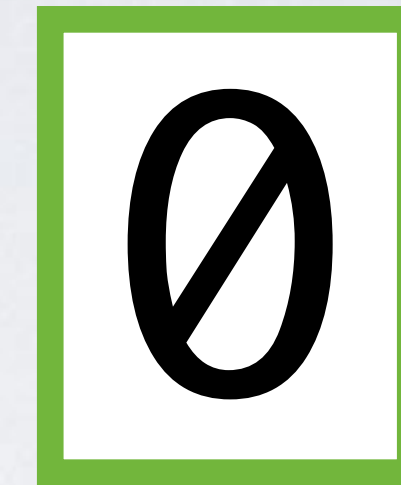
```
.header-important
```



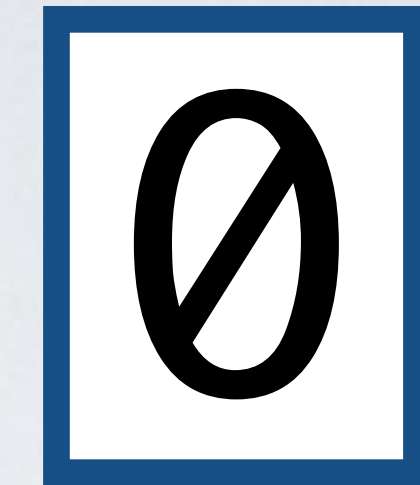
Inline



ID

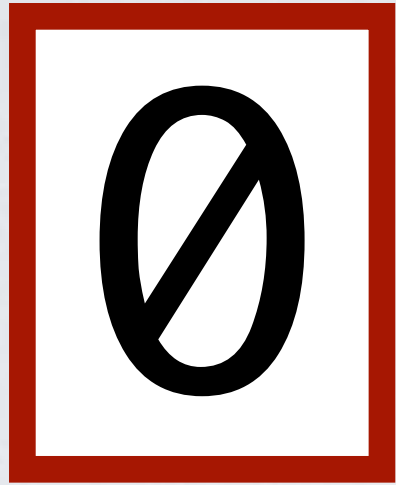


Class
Pseudo-class
Attribute

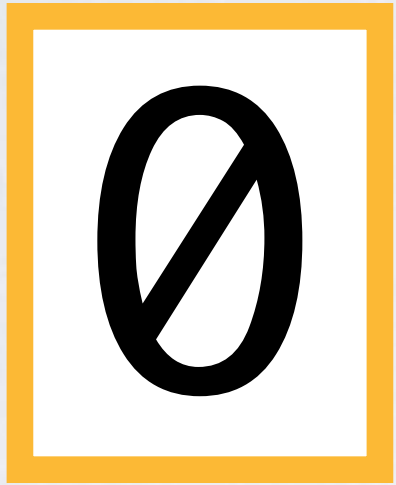


Element

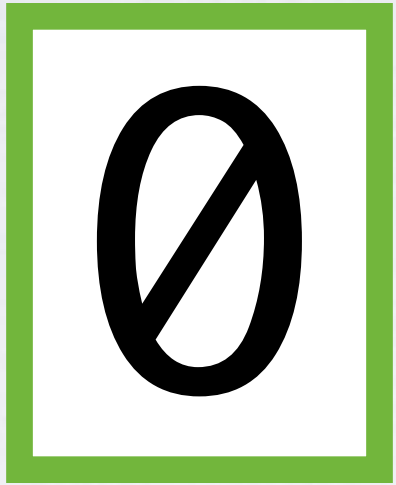
```
html body div div h2
```



Inline



ID

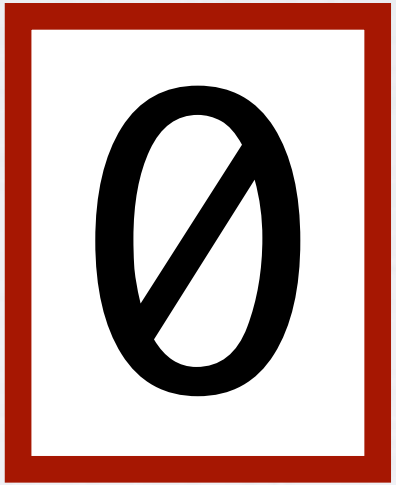


Class
Pseudo-class
Attribute

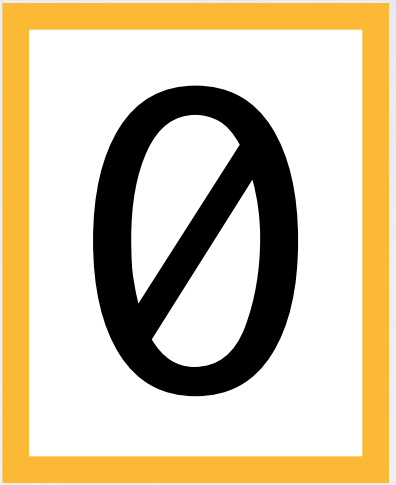


Element

```
.header-important
```



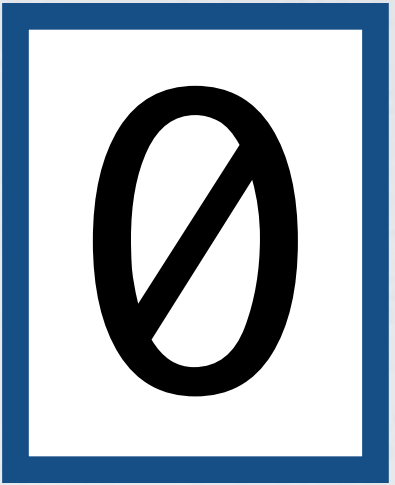
Inline



ID



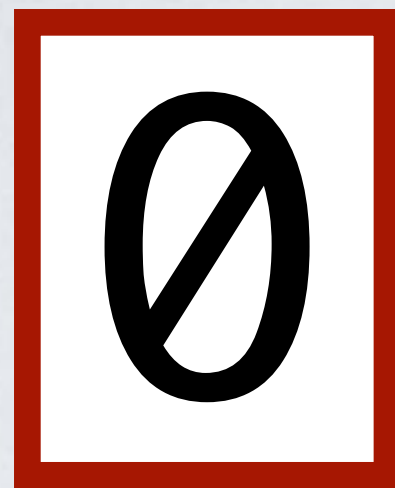
Class
Pseudo-class
Attribute



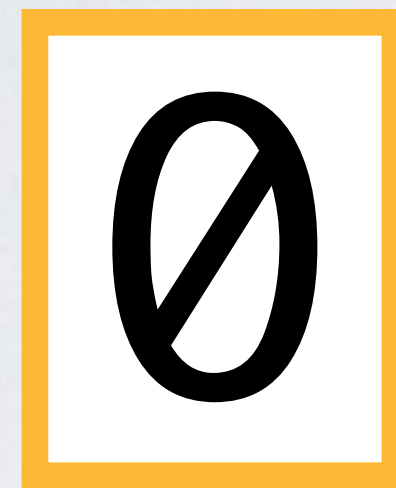
Element



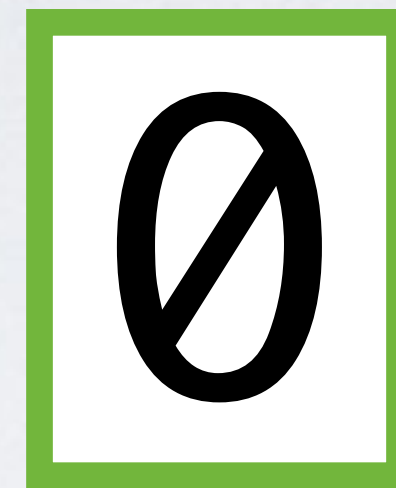
#info



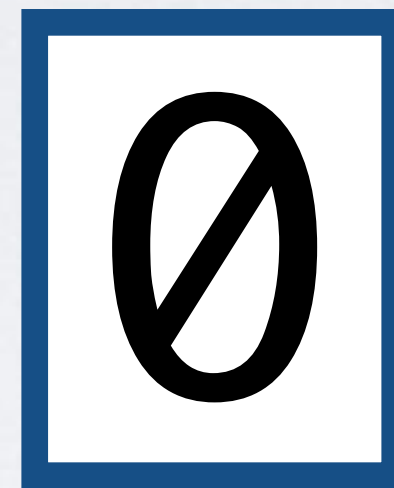
Inline



ID

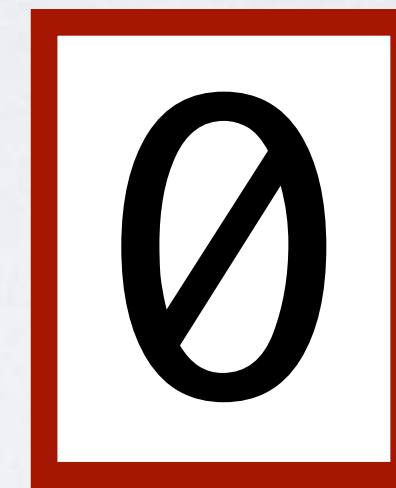


Class
Pseudo-class
Attribute

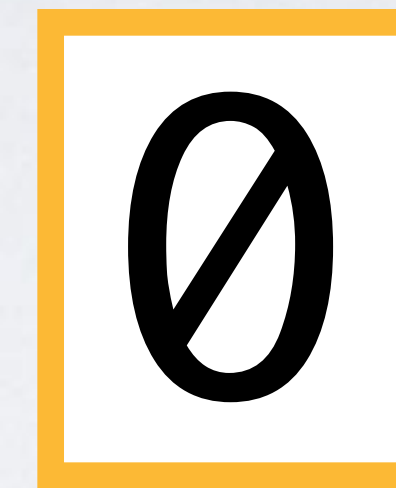


Element

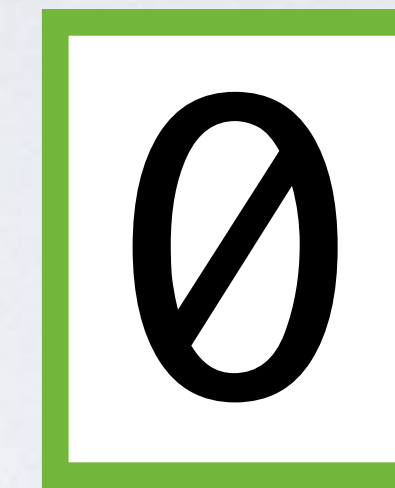
.box .info p



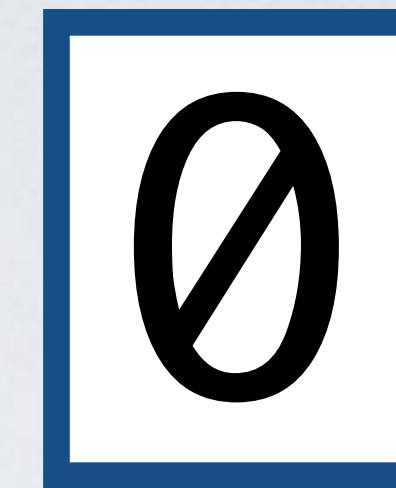
Inline



ID

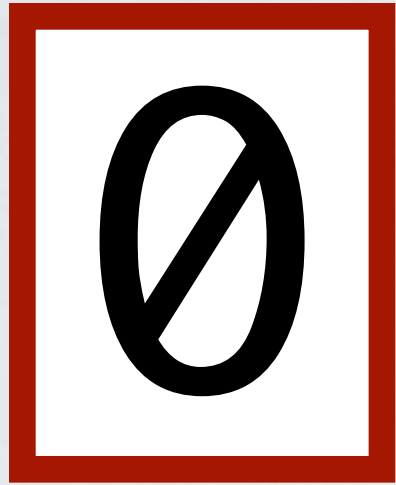


Class
Pseudo-class
Attribute



Element

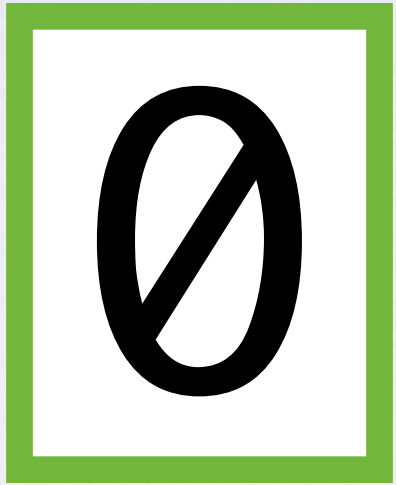

```
#info
```



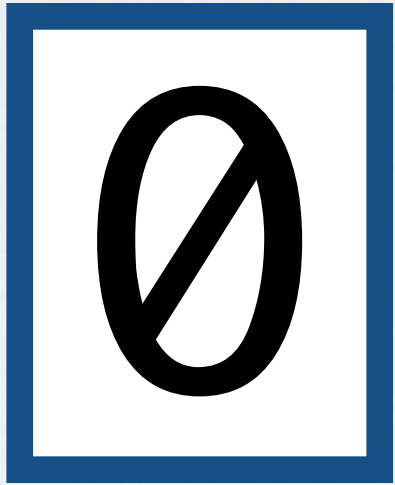
Inline



ID



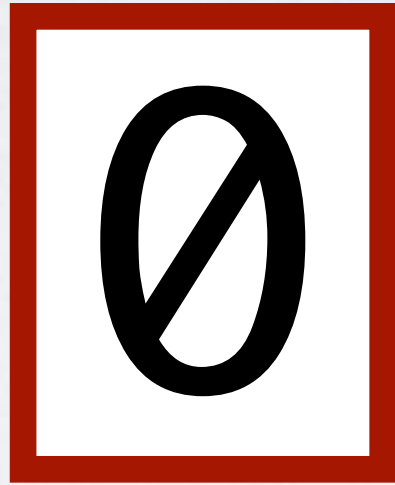
Class
Pseudo-class
Attribute



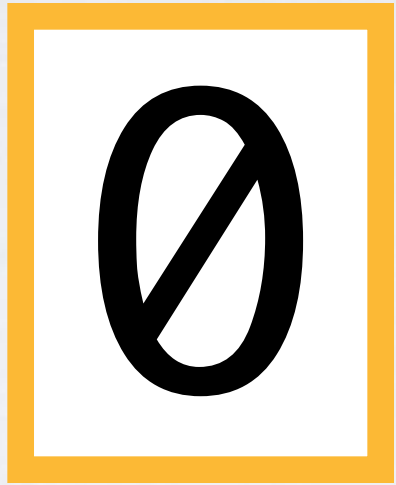
Element



```
.box .info p
```



Inline



ID

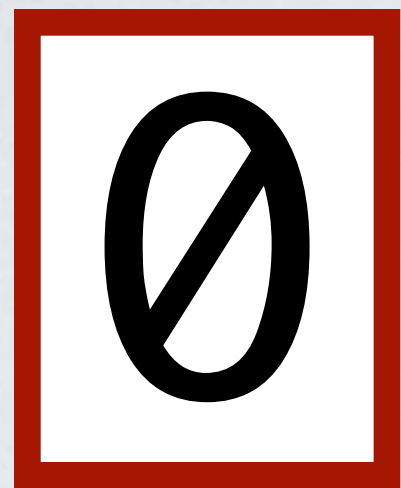


Class
Pseudo-class
Attribute

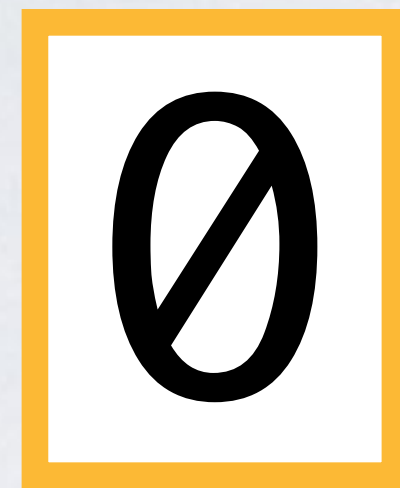


Element

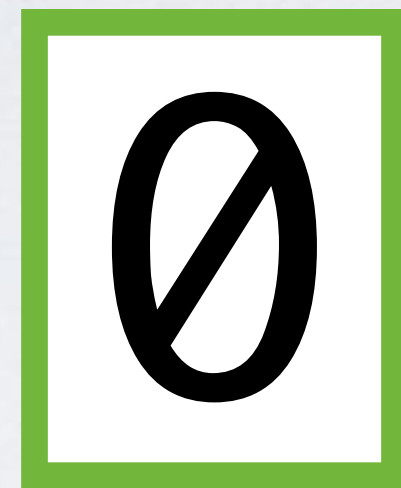
ul#nav li.active a



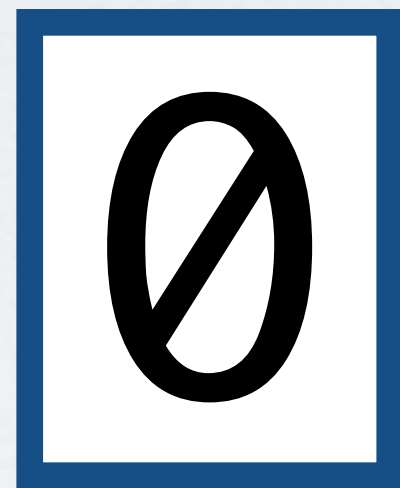
Inline



ID

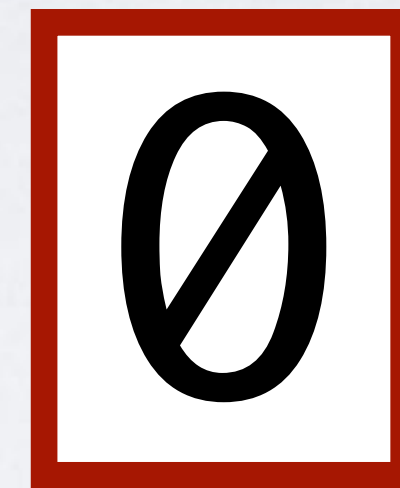


Class
Pseudo-class
Attribute

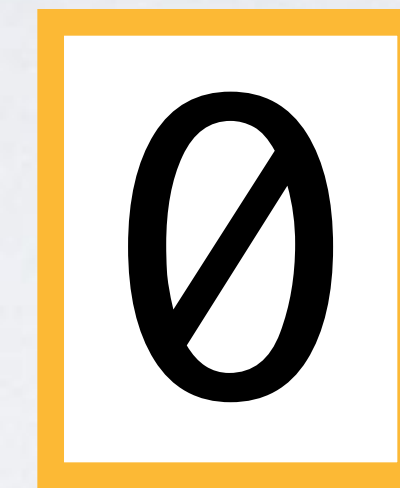


Element

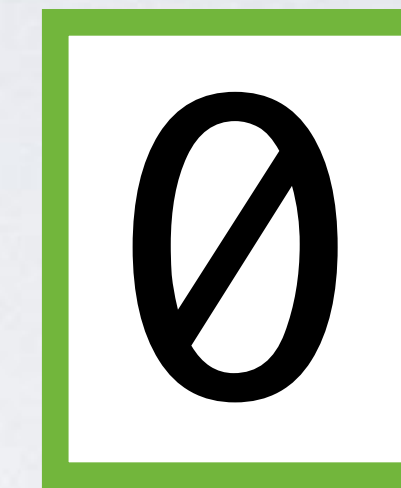
#lk-special



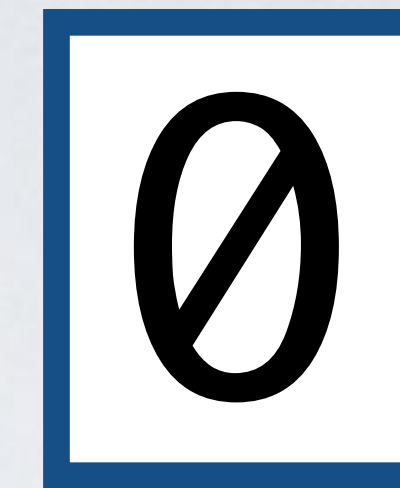
Inline



ID



Class
Pseudo-class
Attribute



Element

```
ul#nav li.active a
```



Inline

ID

Class
Pseudo-class
Attribute

Element



```
#lk-special
```



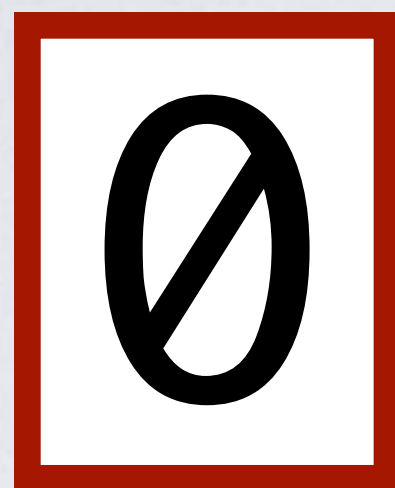
Inline

ID

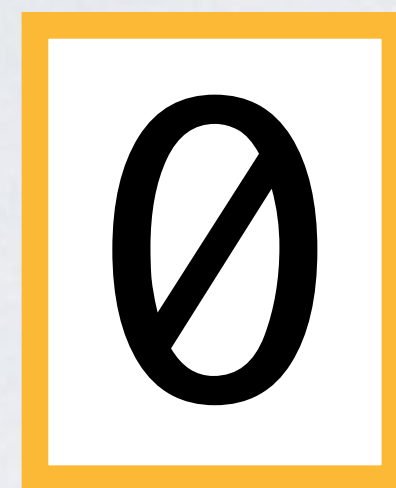
Class
Pseudo-class
Attribute

Element

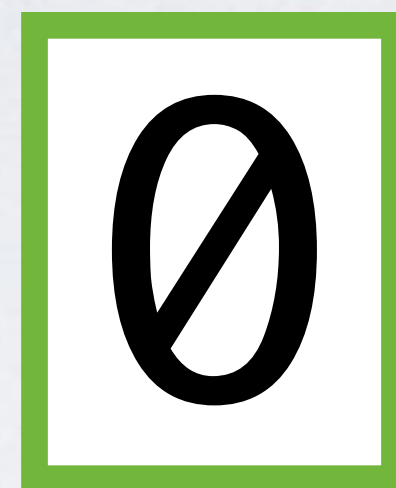
```
#box ul li a
```



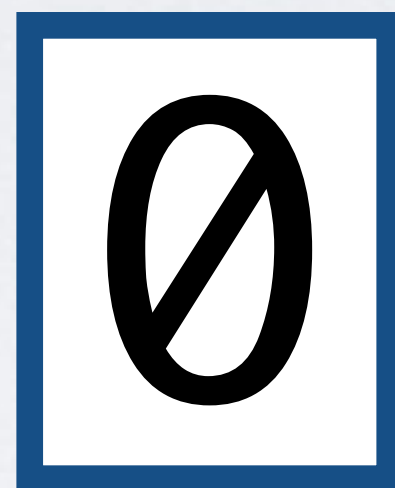
Inline



ID

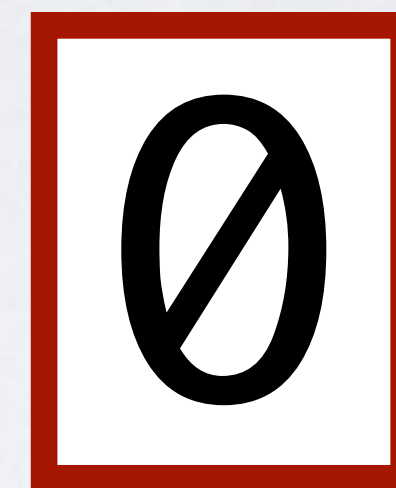


Class
Pseudo-class
Attribute

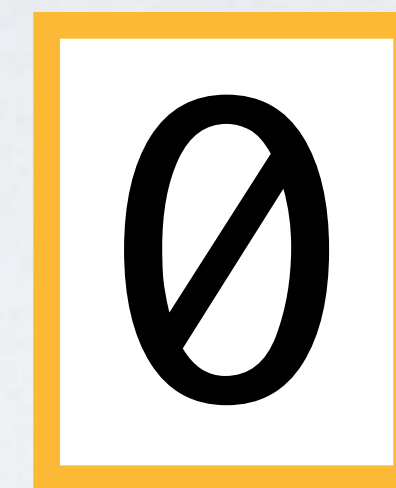


Element

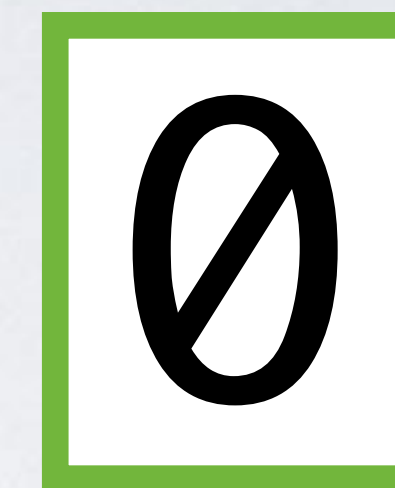
```
li a .lk-important
```



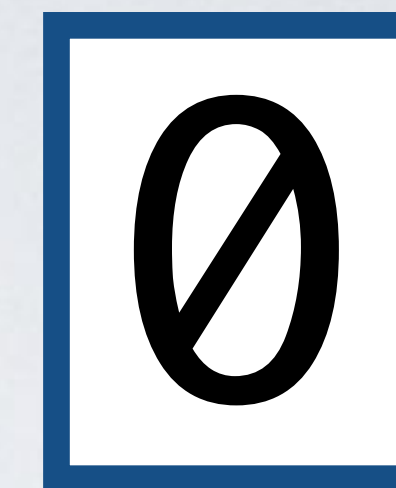
Inline



ID

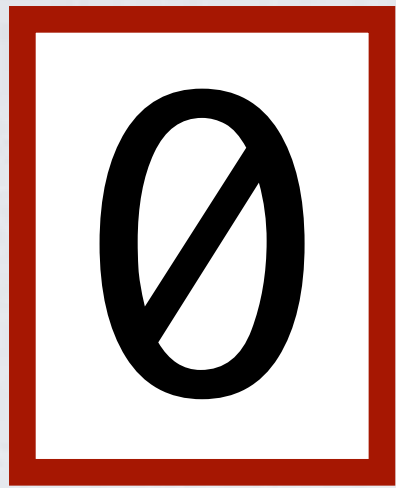


Class
Pseudo-class
Attribute



Element

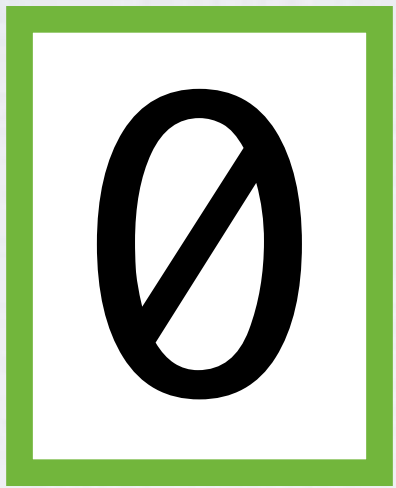
```
#box ul li a
```



Inline



ID



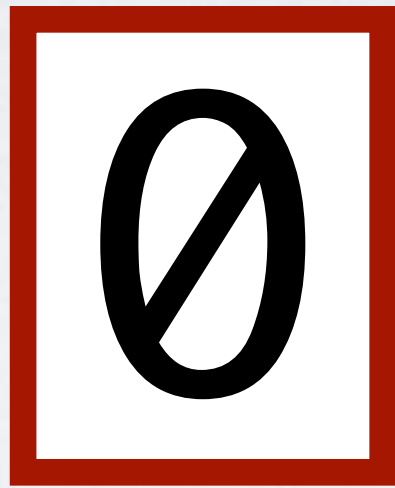
Class
Pseudo-class
Attribute



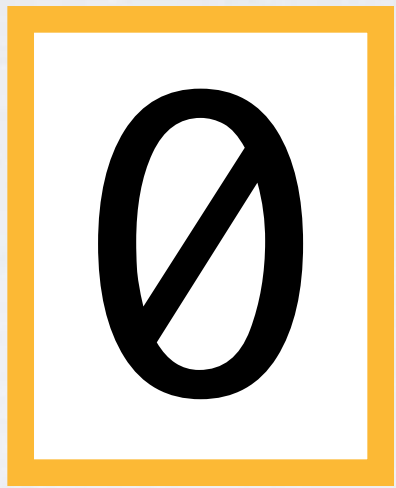
Element



```
li a .lk-important
```



Inline



ID















Class
Pseudo-class
Attribute



Element

SPECIFICITY WARS

 a 1 x element selector Sith: 0, 0, 1	 p a 2 x element selectors Sith: 0, 0, 2	 .whatever 1 x class selector Sith: 0, 1, 0	 a.whatever 1 x element selector 1 x class selector Sith: 0, 1, 1
 p a.whatever 2 x element selectors 1 x class selector Sith: 0, 1, 2	 .whatever .whatever 2 x class selectors Sith: 0, 2, 0	 p.whatever a.whatever 2 x element selectors 2 x class selectors Sith: 0, 2, 2	 #whatever 1 x id selector Sith: 1, 0, 0
 a#whatever 1 x element selector 1 x id selector Sith: 1, 0, 1	 .whatever a#whatever 1 x element selectors 1 x class selector 1 x id selector Sith: 1, 1, 1	 .whatever .whatever #whatever 2 x class selectors 1 x id selector Sith: 1, 2, 0	 #whatever #whatever 2 x id selectors Sith: 2, 0, 0

Specificity Calculator

Sort by specificity

A visual way to understand [CSS specificity](#). Change the selectors or paste in your own.

```
nav > a:hover::before
```

- 0 IDs
- 1 Classes, attributes and pseudo-classes
- 3 Elements and pseudo-elements

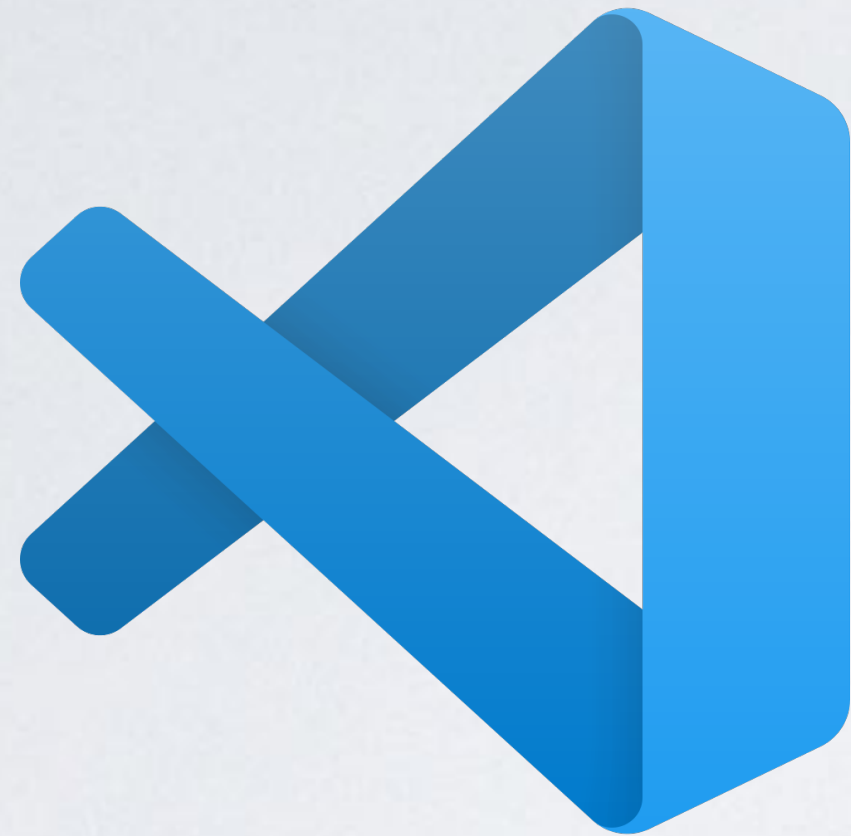
+ Duplicate

```
ul#primary-nav li.active
```

- 1 IDs
- 1 Classes, attributes and pseudo-classes
- 2 Elements and pseudo-elements

+ Duplicate

TOOLS: VISUAL STUDIO CODE

A screenshot of the Visual Studio Code editor interface. The title bar shows 'styles.css — CSS101'. The editor has a dark theme and shows a CSS file named 'styles.css' with the following code:

```
1 section {  
2   border: 1px solid;  
3  
4   <article>  
5   Selector Specificity: (0, 0, 1)  
6 article {  
7   float: left;  
8   background:  
9   color: #fff;  
10 }  
11
```

A tooltip is visible over the '<article>' selector on line 4, displaying 'Selector Specificity: (0, 0, 1)'. A grey callout box with a white border and a pointer to the tooltip contains the text 'Just hover your pointer over a selector'. The left sidebar shows icons for Explorer, Search, Source Control, Run and Debug, and Extensions.

CASCADE



SPECIFICITY



CSS

CSS FUNDAMENTALS SELECTORS

Specificity



IN A ROCKET

Learn front-end development at *rocket speed*