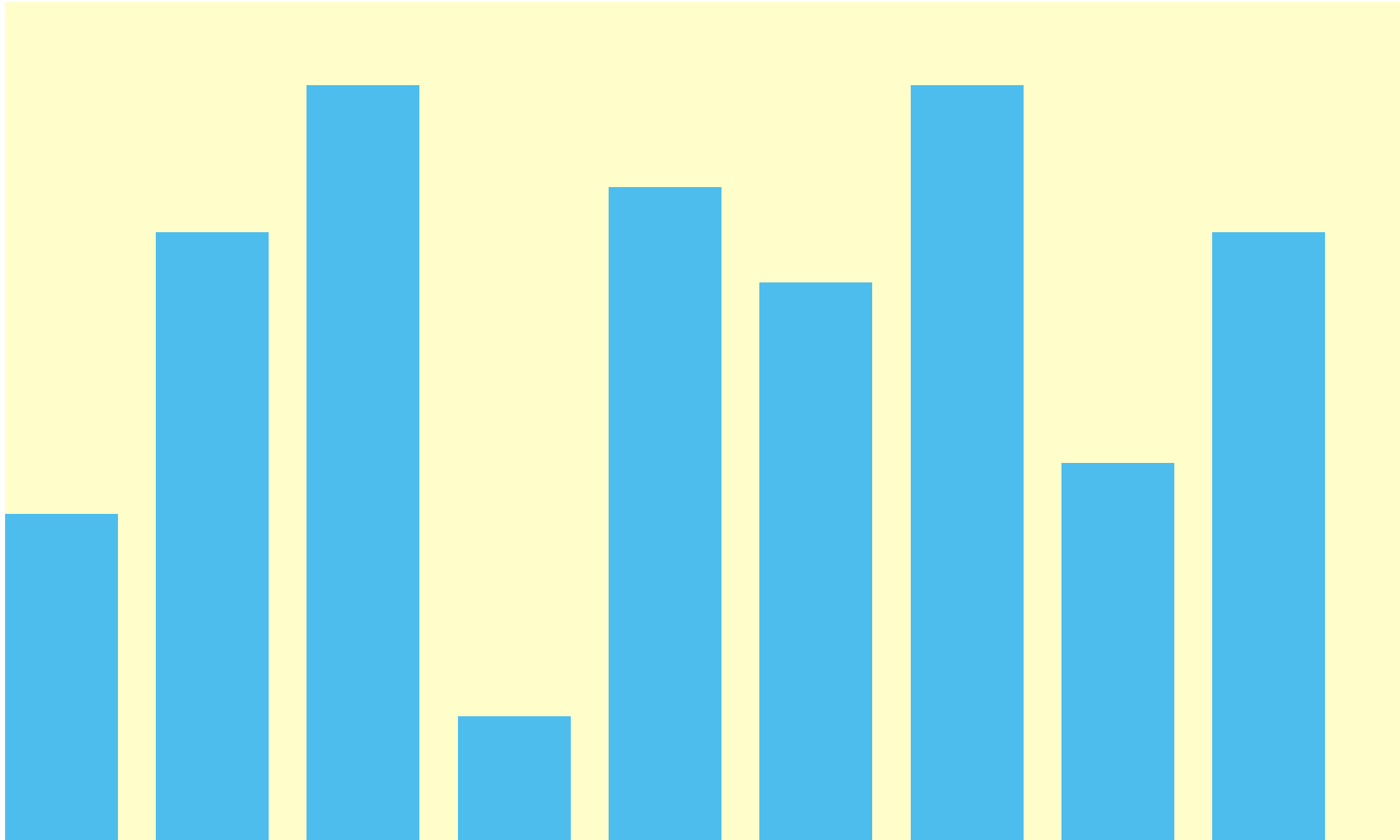
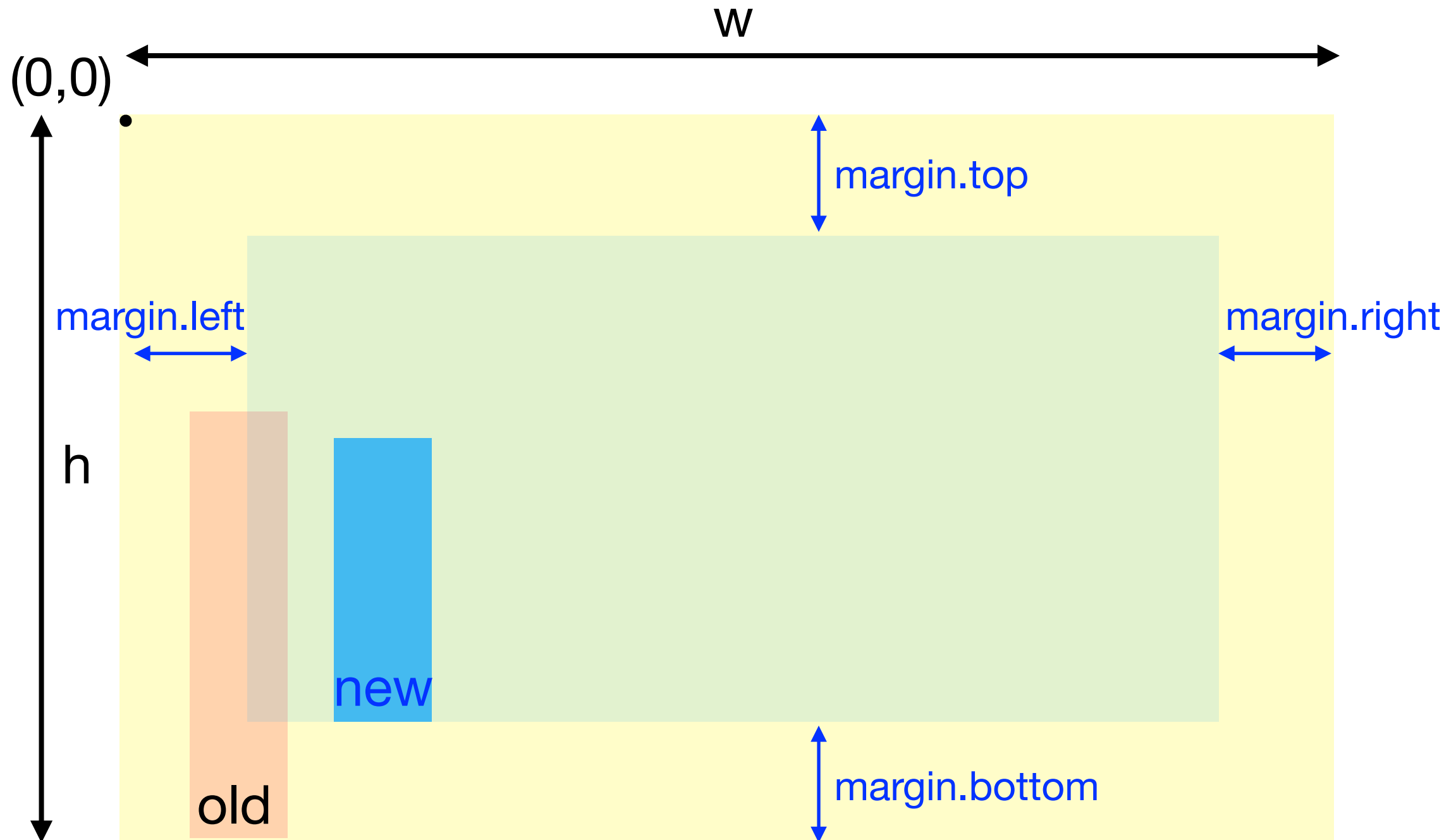


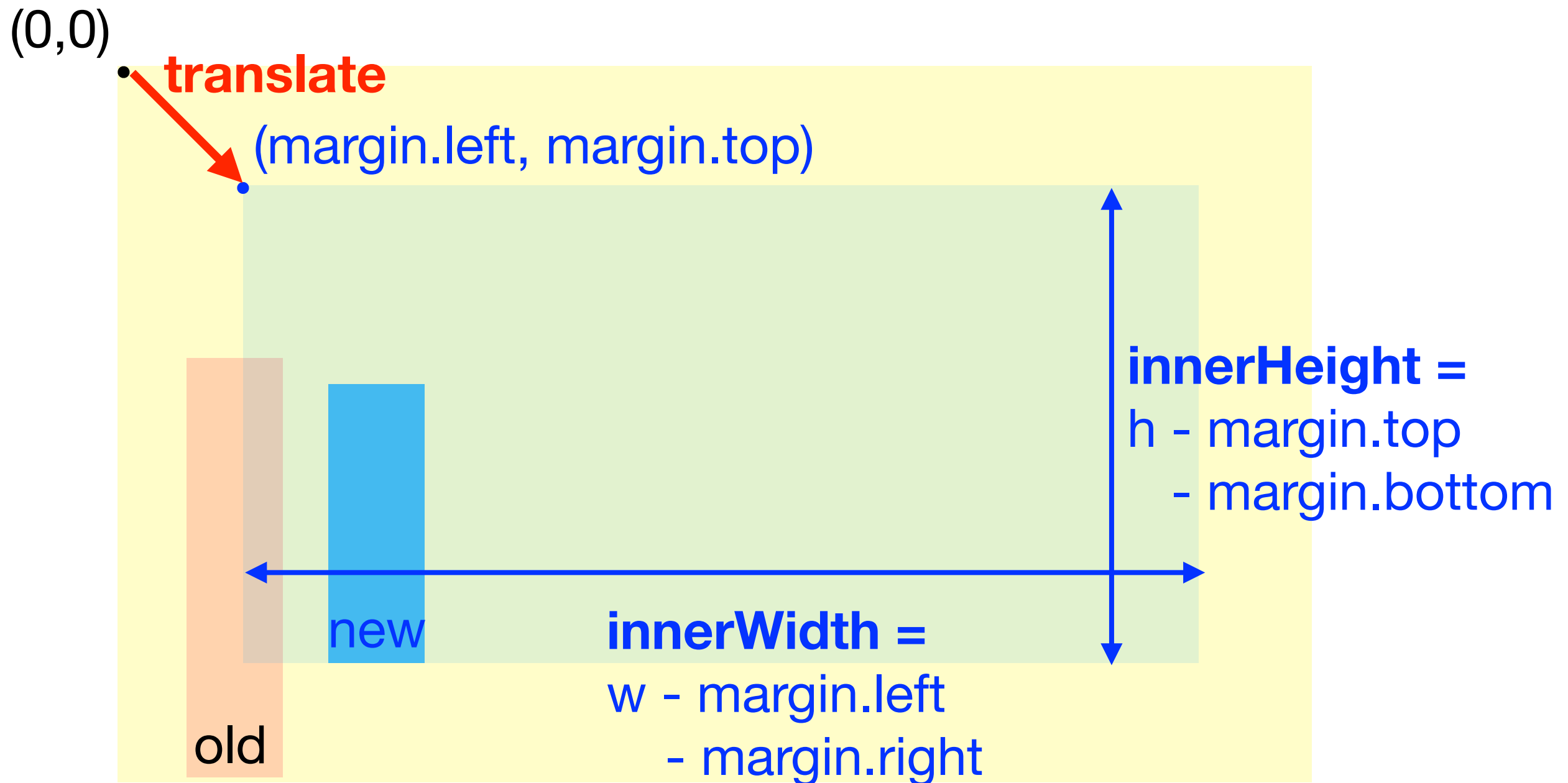
Axes need space



Margin convention



Margin convention



Add background rectangle

```
svg.append("rect")  
    .attr("x", 0)  
    .attr("y", 0)  
    .attr("width", w)  
    .attr("height", h)  
    .attr("fill", "lightblue");
```

Groups

translate

```
var bars = svg.append("g")
    .attr("transform",
        `translate (${margin.left},
                    ${margin.top})`)
    .selectAll("rect")
    .data(bardata);
```

```
<g transform="translate (25, 25)">
```

ES6 template literals, use ``

```
var bars = svg.append("g")
    .attr("transform",
        `translate (${margin.left},
                    ${margin.top})`)
    .selectAll("rect")
    .data(bardata);
```

OR

```
`translate (" + margin.left + ",
            + margin.top + ")`
```