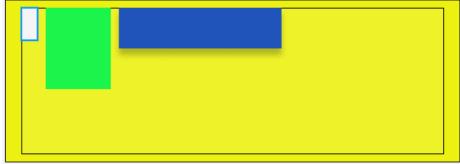
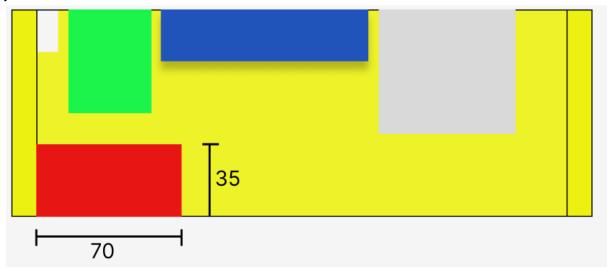
PROBLEM: Place the given boxes inside the container, using below conditions

- 1.Begin placing the boxes from the top-left corner of the container.
- 2.Fill the boxes in a row until there is not enough space to accommodate the next box. If there's insufficient space, move to the next row and start filling from the left again.
- 3. Ensure that no box has a width greater than the width of the container.
- 4. When a box exceeds the vertical space of the container, scale the box while maintaining its aspect ratio to fit it within the container.
- 5.In cases where the vertical space is entirely filled, and there are still remaining boxes to place, scale down the boxes in the last row by 50% and continue filling the next row to optimize space utilization.







```
design: { w: 280, h: 100, margin: { h: 12, v: 0 } }
 boxPadding: 5
}
5.
{
boxes: [ {w: 20, h: 10, rotate:true, angle:90, color: "white"},
          {w: 40, h: 50, rotate:false, angle:0, color: "green"},
          {w: 100, h: 25, rotate:false, angle:0, color: "blue"}],
          {w: 60, h: 80, rotate:true, angle:90, color: "grey"}],
          {w: 100, h: 50, rotate:false, angle:0, color: "red"}],
           {w: 100, h: 30, rotate:false, angle:0, color: "pink"}],
          {w: 100, h: 25, rotate:false, angle:0, color: "black"}],
 design: { w: 280, h: 100, margin: { h: 12, v: 0 } }
 boxPadding: 5
}
                 35
  17.5
```