



starting point

$[ ['rect', '#', 3, 3, 9, 9] ], 5, 5$

$shapes = [ ['rect', '#', 3, 3, 9, 9] ]$

$width = 5$

$rect\_width = 9 = shape[4]$

$height = 5$

$rect\_height = 9 = shape[5]$

$starting\_point\_i = 3$

$starting\_point\_j = 3$

```

      3
    . . . . .
    . . . . .
    . . . . .
2  . . . . # .
    . . . . .
  
```

✓

right-bottom-point- $i = 5$

right-bottom-point- $j = 5$

$[ ['rect', '#', 5, 5, 3, 5] ], 20, 20$

```

      0 1 2 3 4 5 6 7
      . . . . .
1  . . . . .
2  . . . . .
3  . . . . .
4  . . . . .
5  . . . . . # # #
6  . . . . . # # #
7  . . . . . # # #
8  . . . . . # # #
9  . . . . . # # #
      .
      .
      .
      .
      .
      .
      .
  
```