Leet Code

Day-46 Q-03 Maximal Rectangle

Given a rows x cols binary matrix filled with 0's and 1's, find the largest rectangle containing only 1's and return *its area*.

Example 1:

1	0	1	0	0
1	0	1	1	1
1	1	1	1	1
1	0	0	1	0

```
Input: matrix =
[["1","0","1","0","0"],["1","0","1","1","1"],["1","1","1","1","1"],["1","0","0","0","1","0"]]
```

Output: 6

Explanation: The maximal rectangle is shown in the above picture.

Example 2:

```
Input: matrix = []
```

```
Output: 0
```

Example 3:

```
Input: matrix = [["0"]]
Output: 0
```

Example 4:

```
Input: matrix = [["1"]]
Output: 1
```

Example 5:

```
Input: matrix = [["0","0"]]
Output: 0
```

Constraints:

- rows == matrix.length
- cols == matrix.length
- 0 <= row, cols <= 200
- matrix[i][j] is '0' or '1'.