

# 85 - 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*.

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","1","0"}]
Output: 6
Explanation: The maximal rectangle is shown in the above picture.
```

### Example 2:

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

### Example 3:

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

### Constraints:

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

