

2271. Maximum White Tiles Covered by a Carpet

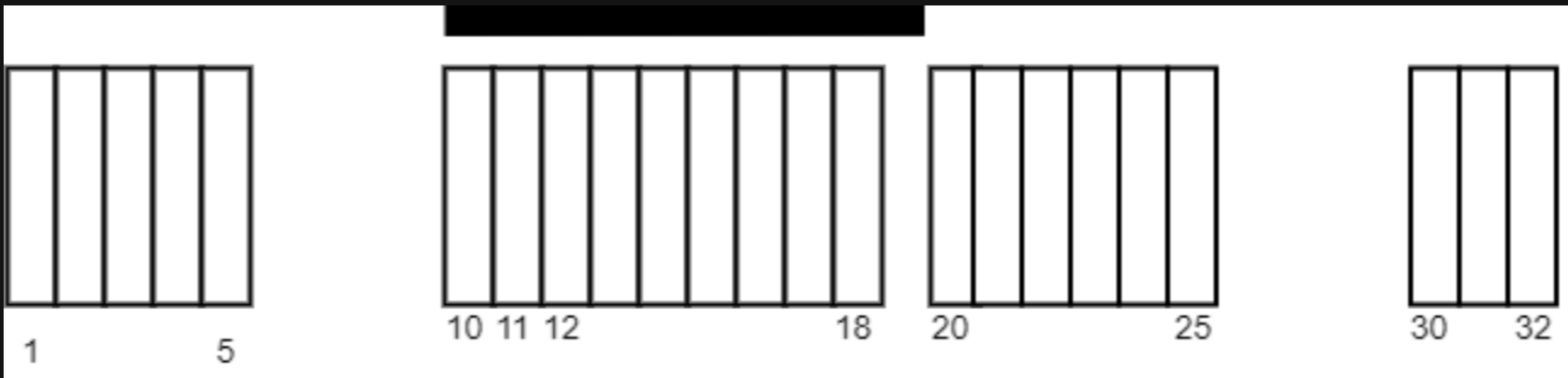
Description

You are given a 2D integer array `tiles` where `tiles[i] = [li, ri]` represents that every tile `j` in the range `li <= j <= ri` is colored white.

You are also given an integer `carpetLen`, the length of a single carpet that can be placed **anywhere**.

Return *the maximum number of white tiles that can be covered by the carpet*.

Example 1:



```
Input: tiles = [[1,5],[10,11],[12,18],[20,25],[30,32]], carpetLen = 10
Output: 9
Explanation: Place the carpet starting on tile 10.
It covers 9 white tiles, so we return 9.
Note that there may be other places where the carpet covers 9 white tiles.
It can be shown that the carpet cannot cover more than 9 white tiles.
```

Example 2:



```
Input: tiles = [[10,11],[1,1]], carpetLen = 2
Output: 2
Explanation: Place the carpet starting on tile 10.
It covers 2 white tiles, so we return 2.
```

Constraints:

- `1 <= tiles.length <= 5 * 104`
- `tiles[i].length == 2`
- `1 <= li <= ri <= 109`
- `1 <= carpetLen <= 109`
- The `tiles` are **non-overlapping**.

