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:**

Rectangle

Description automatically generated

**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:**

A picture containing shape

Description automatically generated

**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**.