

## 452. Minimum Number of Arrows to Burst Balloons

There are some spherical balloons taped onto a flat wall that represents the XY-plane. The balloons are represented as a 2D integer array `points` where `points[i] = [x_start, x_end]` denotes a balloon whose horizontal diameter stretches between `x_start` and `x_end`. You do not know the exact y-coordinates of the balloons.

Arrows can be shot up directly vertically (in the positive y-direction) from different points along the x-axis. A balloon with `x_start` and `x_end` is burst by an arrow shot at `x` if `x_start <= x <= x_end`. There is no limit to the number of arrows that can be shot. A shot arrow keeps traveling up infinitely, bursting any balloons in its path.

Given the array `points`, return the minimum number of arrows that must be shot to burst all balloons.

### Example 1:

- **Input:** `points = [[10,16],[2,8],[1,6],[7,12]]`
- **Output:** 2
- **Explanation:** The balloons can be burst by 2 arrows:
  - Shoot an arrow at `x = 6`, bursting the balloons `[2,8]` and `[1,6]`.
  - Shoot an arrow at `x = 11`, bursting the balloons `[10,16]` and `[7,12]`.

### Example 2:

- **Input:** `points = [[1,2],[3,4],[5,6],[7,8]]`
- **Output:** 4
- **Explanation:** One arrow needs to be shot for each balloon for a total of 4 arrows.

### Example 3:

- **Input:** `points = [[1,2],[2,3],[3,4],[4,5]]`
- **Output:** `2`
- **Explanation:** The balloons can be burst by 2 arrows:
  - Shoot an arrow at  $x = 2$ , bursting the balloons `[1,2]` and `[2,3]`.
  - Shoot an arrow at  $x = 4$ , bursting the balloons `[3,4]` and `[4,5]`.

### Constraints:

- $1 \leq \text{points.length} \leq 10^5$
- `points[i].length == 2`
- $-2^{31} \leq \text{xstart} < \text{xend} \leq 2^{31} - 1$