

## 2101. Detonate the Maximum Bombs

Medium   Topics   Companies   Hint

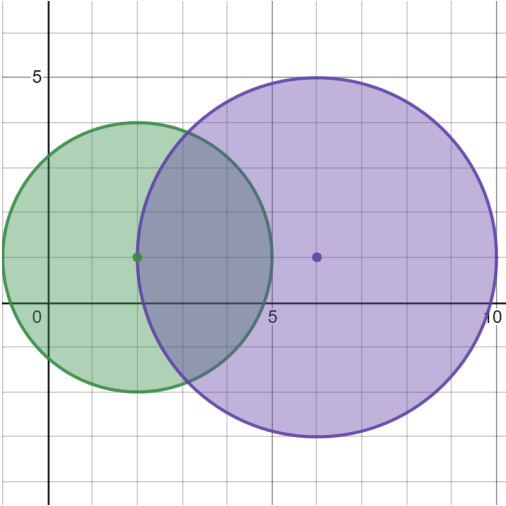
You are given a list of bombs. The **range** of a bomb is defined as the area where its effect can be felt. This area is in the shape of a **circle** with the bomb as its center. Each bomb has a **range**, given by the **radius** of the circle.

The bombs are represented by a **0-indexed** 2D integer array `bombs` where `bombs[i] = [xi, yi, ri]`. `xi` and `yi` denote the X-coordinate and Y-coordinate of the center of the bomb. The radius `ri` is the range of the bomb.

You may choose to detonate a **single** bomb. When a bomb is detonated, it will detonate **all bombs** that lie in its range. These bombs will further detonate the bombs they contain. This process is repeated.

Given the list of `bombs`, return *the **maximum** number of bombs that can be detonated if you are allowed to detonate **only one** bomb.*

### Example 1:



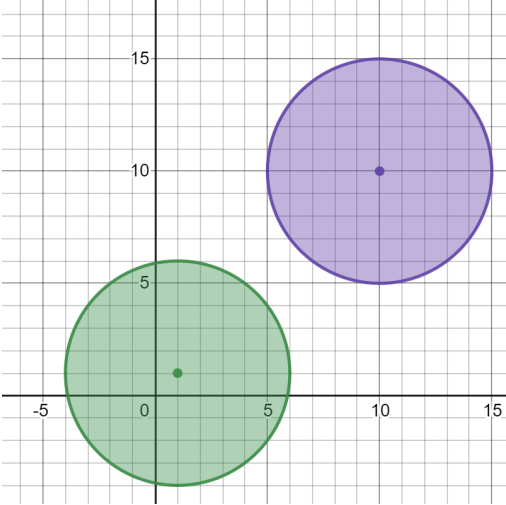
**Input:** `bombs = [[2,1,3],[6,1,4]]`

**Output:** `2`

**Explanation:**

The above figure shows the positions and ranges of the 2 bombs.  
If we detonate the left bomb, the right bomb will not be affected.  
But if we detonate the right bomb, both bombs will be detonated.  
So the maximum bombs that can be detonated is  $\max(1, 2) = 2$ .

### Example 2:



**Input:** `bombs = [[1,1,5],[10,10,5]]`

**Output:** `1`

**Explanation:**

Detonating either bomb will not detonate the other bomb, so the maximum number of bombs that can be detonated is `1`.

### Example 3:

