

## 5814. Add Minimum Number of Rungs

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You are given a **strictly increasing** integer array `rungs` that represents the **height** of rungs on a ladder. You are currently on the **floor** at height `0`, and you want to reach the last rung.

You are also given an integer `dist`. You can only climb to the next highest rung if the distance between where you are currently at (the floor or on a rung) and the next rung is **at most** `dist`. You are able to insert rungs at any positive **integer** height if a rung is not already there.

Return the **minimum** number of rungs that must be added to the ladder in order for you to climb to the last rung.

User Accepted: 0

User Tried: 0

Total Accepted: 0

Total Submissions: 0

Difficulty: Medium

### Example 1:

**Input:** `rungs = [1,3,5,10]`, `dist = 2`

**Output:** 2

**Explanation:**

You currently cannot reach the last rung.  
Add rungs at heights 7 and 8 to climb this ladder.  
The ladder will now have rungs at `[1,3,5,7,8,10]`.

### Example 2:

**Input:** `rungs = [3,6,8,10]`, `dist = 3`

**Output:** 0

**Explanation:**

This ladder can be climbed without adding additional rungs.

### Example 3:

**Input:** `rungs = [3,4,6,7]`, `dist = 2`

**Output:** 1

**Explanation:**

You currently cannot reach the first rung from the ground.  
Add a rung at height 1 to climb this ladder.  
The ladder will now have rungs at `[1,3,4,6,7]`.

### Example 4:

**Input:** `rungs = [5]`, `dist = 10`

**Output:** 0

**Explanation:**

This ladder can be climbed without adding additional rungs.

### Constraints:

- `1 <= rungs.length <= 105`
- `1 <= rungs[i] <= 109`
- `1 <= dist <= 109`
- `rungs` is **strictly increasing**.

JavaScript



```
1  /**
2   * @param {number[]} rungs
3   * @param {number} dist
4   * @return {number}
5   */
6  var addRungs = function(rungs, dist) {
7
8  };
```

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