# 2432. The Employee That Worked on the Longest Task

## Description

There are `n` employees, each with a unique id from `0` to `n - 1`.

You are given a 2D integer array `logs` where `logs[i] = [id_i, leaveTime_i]` where:

- `id_i` is the id of the employee that worked on the `i^th` task, and
- `leaveTime_i` is the time at which the employee finished the `i^th` task. All the values `leaveTime_i` are **unique**.

Note that the `i^th` task starts the moment right after the `(i - 1)^th` task ends, and the `0^th` task starts at time `0`.

Return *the id of the employee that worked the task with the longest time.* If there is a tie between two or more employees, return *the* ***smallest*** *id among them*.

**Example 1:**

```
Input: n = 10, logs = [[0,3],[2,5],[0,9],[1,15]]
Output: 1
Explanation:
Task 0 started at 0 and ended at 3 with 3 units of times.
Task 1 started at 3 and ended at 5 with 2 units of times.
Task 2 started at 5 and ended at 9 with 4 units of times.
Task 3 started at 9 and ended at 15 with 6 units of times.
The task with the longest time is task 3 and the employee with id 1 is the one that worked on it, so we return 1.
```

**Example 2:**

```
Input: n = 26, logs = [[1,1],[3,7],[2,12],[7,17]]
Output: 3
Explanation:
Task 0 started at 0 and ended at 1 with 1 unit of times.
Task 1 started at 1 and ended at 7 with 6 units of times.
Task 2 started at 7 and ended at 12 with 5 units of times.
Task 3 started at 12 and ended at 17 with 5 units of times.
The tasks with the longest time is task 1. The employee that worked on it is 3, so we return 3.
```

**Example 3:**

```
Input: n = 2, logs = [[0,10],[1,20]]
Output: 0
Explanation:
Task 0 started at 0 and ended at 10 with 10 units of times.
Task 1 started at 10 and ended at 20 with 10 units of times.
The tasks with the longest time are tasks 0 and 1. The employees that worked on them are 0 and 1, so we return the smallest id 0.
```

**Constraints:**

- `2 <= n <= 500`
- `1 <= logs.length <= 500`
- `logs[i].length == 2`
- `0 <= id_i <= n - 1`
- `1 <= leaveTime_i <= 500`
- `id_i != id_{i+1}`
- `leaveTime_i` are sorted in a strictly increasing order.