

## 5750. Maximum Population Year

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You are given a 2D integer array `logs` where each `logs[i] = [birthi, deathi]` indicates the birth and death years of the  $i^{\text{th}}$  person.

The **population** of some year  $x$  is the number of people alive during that year. The  $i^{\text{th}}$  person is counted in year  $x$ 's population if  $x$  is in the **inclusive** range  $[\text{birth}_i, \text{death}_i - 1]$ . Note that the person is **not** counted in the year that they die.

Return the **earliest** year with the **maximum population**.

**Example 1:**

**Input:** logs = [[1993,1999],[2000,2010]]

**Output:** 1993

**Explanation:** The maximum population is 1, and 1993 is the earliest year with this population.

User Accepted:	0
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User Tried:	0
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Total Accepted:	0
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Total Submissions: 0

Difficulty: Easy

### Example 2:

```
Input: logs = [[1950,1961],[1960,1971],[1970,1981]]
```

**Output:** 1960

**Explanation:**

The maximum population is 2, and it had happened in years 1960 and 1970.

The earlier year between them is 1960.

**Constraints:**

- $1 \leq \text{logs.length} \leq 100$
- $1950 \leq \text{birth}_i < \text{death}_i \leq 2050$

## JavaScript



```

1 ▶ const maximumPopulation = (logs) => {
2     let m = new Map();
3     for (const [b, d] of logs) {
4         for (let y = b; y < d; y++) {
5             m.set(y, m.get(y) + 1 || 1);
6         }
7     }
8     m = new Map([...m].sort((x, y) => {
9         if (x[1] == y[1]) return x[0] - y[0];
10        return y[1] - x[1];
11    }));
12    return m.keys().next().value;
13 };

```

☐ Custom Testcase ☒ Use Example Testcases

Run

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