

6149. Node With Highest Edge Score

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You are given a directed graph with n nodes labeled from 0 to $n - 1$, where each node has **exactly one** outgoing edge.

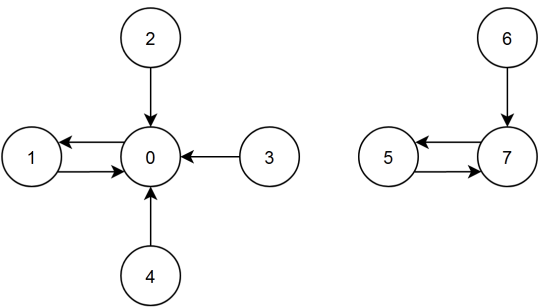
The graph is represented by a given **0-indexed** integer array `edges` of length n , where `edges[i]` indicates that there is a **directed** edge from node i to node `edges[i]`.

The **edge score** of a node i is defined as the sum of the **labels** of all the nodes that have an edge pointing to i .

Return *the node with the highest edge score*. If multiple nodes have the same **edge score**, return the node with the **smallest** index.

User Accepted:	0
User Tried:	1
Total Accepted:	0
Total Submissions:	1
Difficulty:	Medium

Example 1:

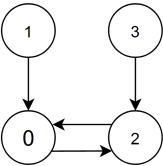


Input: `edges = [1,0,0,0,0,7,7,5]`
Output: `7`
Explanation:

- The nodes 1, 2, 3 and 4 have an edge pointing to node 0. The edge score of node 0 is $1 + 2 + 3 + 4 = 10$.
- The node 0 has an edge pointing to node 1. The edge score of node 1 is 0.
- The node 7 has an edge pointing to node 5. The edge score of node 5 is 7.
- The nodes 5 and 6 have an edge pointing to node 7. The edge score of node 7 is $5 + 6 = 11$.

Node 7 has the highest edge score so return 7.

Example 2:



Input: `edges = [2,0,0,2]`
Output: `0`
Explanation:

- The nodes 1 and 2 have an edge pointing to node 0. The edge score of node 0 is $1 + 2 = 3$.
- The nodes 0 and 3 have an edge pointing to node 2. The edge score of node 2 is $0 + 3 = 3$.

Nodes 0 and 2 both have an edge score of 3. Since node 0 has a smaller index, we return 0.

Constraints:

- $n == \text{edges.length}$
- $2 \leq n \leq 10^5$
- $0 \leq \text{edges}[i] < n$
- $\text{edges}[i] \neq i$

JavaScript


```
1 const edgeScore = (edges) => {
2   let n = edges.length, p = Array(n).fill(0);
```

```
3   for (let i = 0; i < n; i++) p[edges[i]] += i;
4   p = p.map((x, i) => [x, i]);
5   p.sort((x, y) => {
6       if (x[0] != y[0]) return y[0] - x[0];
7       return x[1] - y[1];
8   })
9   return p[0][1];
10  };
```

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