

Medium  Topics  Companies  Hint

- For example, the pair  $[0, 1]$  indicates that you have to take course 0 before you can take course 1.

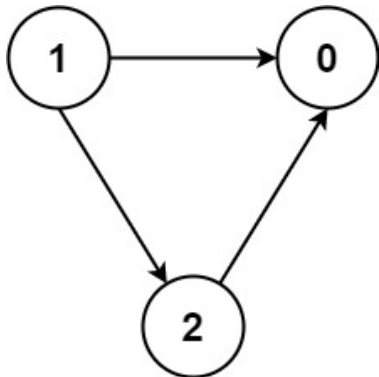
You are also given an array `queries` where `queries[j] = [uj, vj]`. For the  $j^{\text{th}}$  query, you should answer whether course  $u_j$  is a prereq

Return a boolean array `answer`, where `answer[j]` is the answer to the  $j^{\text{th}}$  query.



**Explanation:** The pair `[1, 0]` indicates that you have to take course 1 before you can take course 0. Course 0 is not a prerequisite of course 1, but the opposite is true.

**Explanation:** There are no prerequisites, and each course is independent.



**Output:** [true,true]

- $2 \leq \text{numCourses} \leq 100$
- $0 \leq \text{prerequisites.length} \leq (\text{numCourses} * (\text{numCourses} - 1) / 2)$
- $\text{prerequisites}[i].\text{length} == 2$
- $0 \leq a_i, b_i \leq n - 1$
- $a_i \neq b_i$
- All the pairs  $[a_i, b_i]$  are **unique**.
- The prerequisites graph has no cycles.
- $1 \leq \text{queries.length} \leq 10^4$
- $0 \leq u_i, v_i \leq n - 1$
- $u_i \neq v_i$