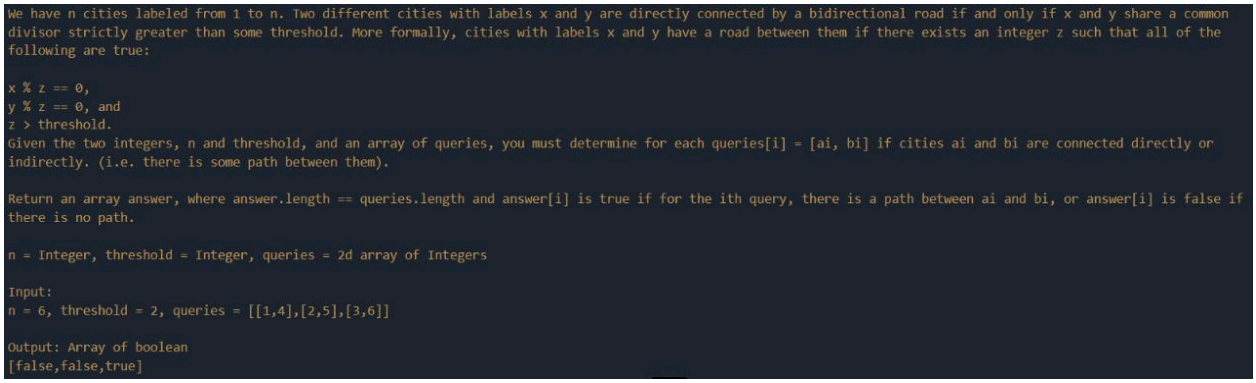
Yash Pant:
N=1000
Given a graph with n nodes each with a unique value from 1 to n, find if there there is a path b/w src and dest. given in each query satisfying the condition that any 2 nodes are connected iff their gcd is greater than some fixed threshold value.
Example threshold = 2; n= 6
Query 1 ;4 no
3;6 yes

Prajyot:



We have n cities labeled from 1 to n. Two different cities with labels x and y are directly connected by a bidirectional road if and only if x and y share a common divisor strictly greater than some threshold. More formally, cities with labels x and y have a road between them if there exists an integer z such that all of the following are true:

x % z == 0,
y % z == 0, and
z > threshold.
Given the two integers, n and threshold, and an array of queries, you must determine for each queries[i] = [ai, bi] if cities ai and bi are connected directly or indirectly. (i.e. there is some path between them).

Return an array answer, where answer.length == queries.length and answer[i] is true if for the ith query, there is a path between ai and bi, or answer[i] is false if there is no path.

n = Integer, threshold = Integer, queries = 2d array of Integers

Input:
n = 6, threshold = 2, queries = [[1,4],[2,5],[3,6]]

Output: Array of boolean
[false,false,true]

Padmaja:
Same as Prajyot