```
Example 3:
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```
Input:
n=10,
dislikes =
[[1,2],[3,4],[5,6],[6,7],[8,9],[7,8]]
```

We want to split a group of n people (labeled from 1 to n) into two groups of any size. Each person may dislike some other people, and they should not go into the same group.

Given the integer n and the array dislikes where dislikes[i] = [ai, bi] indicates that the person labeled ai does not like the person labeled bi, return true if it is possible to split everyone into two groups in this way.

Output: true

```
import collections
```

return True

```
class Solution:
    def possibleBipartition(self, n: int, dislikes: List[List[int]]) > bool:
        default dict = collections.defaultdict(list)
                                                              [[1,2],[3,4],[5,6],[6,7],[8,9],[7,8]]
                                                                default dict = {
        for person_A, person_B in dislikes:
            default_dict[person_A].append(person_B)
                                                                     "1": [2],
            default_dict[person_B].append(person_A)
                                                                                        group = {
                                                                     "2": [1],
                                                                                            1: None,
                                                                     "3": [4],
                                                                     4": [3],
                                                                                            2: None,
        group = \{i: None for i in range(1, n + 1)\}
                                                                                            3: None,
                                                                          [6],
                                                                                            4: None,
        def dfs(node, g):
                                                                      6": [5, 7],
                                                                     "7": [6, 8],
                                                                                            5: None,
            if not group[node]:
                                                                     "8": [9, 7]<del>,</del>
                                                                                            6: None,
                group[node] = g
                                                                                            7: None,
                                                                     "9": [8]
            else:
                                                                                            8: None,
                return group[node] == g
                                                                                            9: None,
                                                                                            10: None
            for people in default_dict[node]:
                if not dfs(people, 2 if g == 1 else 1):
                     return False
                                      group is either 2 or 1
            return True
                                                                                        n = 10
                                                          1, 2, 3, 4, 5, 6, 7, 8, 9, 10
        for n in range(1, n + 1):
            if not group[n] and not dfs(n, 1):
                return False
```