Problem Link:

<https://leetcode.com/problems/neighboring-bitwise-xor/?envType=daily-question&envId=2025-01-17>

Solution:

class Solution {

public:

bool doesValidArrayExist(vector<int>& derived) {

int n = derived.size();

vector<int> original(n);

original[0] = 0;

for(int i = 1; i < n; i++)

{

original[i] = original[i-1] ^ derived[i-1];

}

return (original[n-1] ^ original[0]) == derived[n-1];

}

};