Practice(https://practice.geeksforgeeks.org/home/)

⏱ Time Left :

00 : 00 : 52 : 08

Problem   Submissions

‹ **All Problems** (JavaScript:void(0))

Special Graph

Accuracy: **0.0%**   Submissions: **0**   Points: **60**

You are given an array **A[ ]** of **N** integers. Consider a complete graph of N nodes numbered from **1** to **N**, where the weight of edge connecting nodes **x** and **y** *(x≠y)* is **| x * y - A[x] % A[y] - A[y] % A[x] |**.Your task is to find the cost of the minimum spanning tree of this graph.

> The cost of the spanning tree is **the sum of the weights of all the edges in the tree**. There can be many spanning trees. Minimum spanning tree is the spanning tree where the cost is minimum among all the spanning trees.
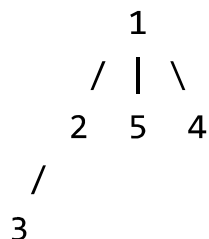
Example 1:

```
Input:
N = 5
A[] = {1, 3, 5, 5, 1}
Output:
10
Explanation:
One of the minimum spanning tree will be
          1
        / | \
       2  5  4
      /
     3
Cost will be weight of edge 1 - 2 +
weight of edge 1 - 4 +
weight of edge 1 - 5 +
weight of edge 2 - 3
= 1 + 3 + 5 + 1 = 10
```

C++ (g++ 5.4)   ▼   Test against custom input   ☀️ ↺ ⛶

```
  1    [___]  // } Driver Code Ends
  8    // User function Template for C++
  9
 10    class Solution {
 11      public:
 12        long long solve(int N, vector<int> A) {
 13            // code here
 14        }
 15    };
 16    [___]   // } Driver Code Ends
```

▶ Compile & Run   Submit