Problem Link:

<https://leetcode.com/problems/replace-non-coprime-numbers-in-array/?envType=daily-question&envId=2025-09-16>

Solution:

class Solution {

public:

vector<int> replaceNonCoprimes(vector<int>& nums) {

vector<int> s;

for(int num : nums)

{

s.push\_back(num);

while(s.size() >= 2)

{

int b = s.back(); s.pop\_back();

int a = s.back();

int g = gcd(a, b);

if(g == 1)

{

s.push\_back(b);

break;

}

else

{

s.pop\_back();

long long l = (1LL \* a / g) \* b;

s.push\_back((int)l);

}

}

}

return s;

}

};