**Maximum Product Subarray**

#include <bits/stdc++.h>

int maximumProduct(vector<int>& arr, int n) {

int maxProduct = INT\_MIN;

int product = 1;

for (int i = 0; i < n; i++) {

product \*= arr[i];

maxProduct = max(maxProduct, product);

if (product == 0) {

product = 1;

}

}

product = 1;

for (int i = n - 1; i >= 0; i--) {

product \*= arr[i];

maxProduct = max(maxProduct, product);

if (product == 0) {

product = 1;

}

}

return maxProduct;

}