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import java.util.Scanner;
import java.util.Arrays;
class Main
  static void swap(int arr[],int start, int end)
     int temp = arr[start];
     arr[start] = arr[end];
     arr[end] = temp;
  static void Sort(int v1[],int n)
  {
     Arrays.sort(v1);
     int c=0;
     while((c < n) && (v1[c] < 0))
        c++;
     int start = c,end = n-1;
     while(start<end)
       swap(v1,start,end);;
       start++;end--;
  static int MinimumScalarProduct(int v1[], int v2[], int n)
     int min,sop=0;
     int id1=0,id2=0;
     for(int i = 0; i < n; i++)
       min = Integer.MAX_VALUE;
        for(int j = i ; j < n ; j++)
          if((v1[i]*v2[j]) < min)
            min = v1[i]*v2[j];
            id1 = i; id2 = j;
       sop = sop + min;
       swap(v1,i,id1);
       swap(v2,i,id2);
     }
     return sop;
  public static void main(String[] args)
     Scanner input = new Scanner(System.in);
     int n = input.nextInt();
     int v1[] = new int[n];
     for(int i = 0; i < n; i++)
        v1[i] = input.nextInt();
```