

```
class Day49 {  
    public static void main(String[] args) {  
        int[] array1 = {1, 3, -5};  
        int[] array2 = {-2, 4, 1};  
  
        int minimumScalarProduct = findMinimumScalarProduct(array1, array2);  
        System.out.println("Minimum scalar product is: " + minimumScalarProduct);  
    }  
  
    private static int findMinimumScalarProduct(int[] array1, int[] array2) {  
        if (array1.length != array2.length) {  
            throw new IllegalArgumentException("Arrays must have the same size.");  
        }  
  
        // Sorting the arrays  
        Arrays.sort(array1);  
        Arrays.sort(array2);  
  
        int minimumScalarProduct = 0;  
        for (int i = 0; i < array1.length; i++) {  
            minimumScalarProduct += array1[i] * array2[array2.length - 1 - i];  
        }  
  
        return minimumScalarProduct;  
    }  
}
```