/*Day 55 coding Statement : Given 2 integer arrays X and Y of same size.

Consider both arrays as vectors and print the sum of maximum scalar product (Dot product) of 2 vectors.*/

```java
import java.util.*;

public class Main
{
        public static void main(String[] args) {
                Scanner sc=new Scanner(System.in);
                int n=sc.nextInt();
                int a[]=new int[n];
                int a1[]=new int[n];
                int sum=0;
                int c=n-1;
                for(int i=0;i<n;i++){
                   a[i]=sc.nextInt();
                }
                for(int i=0;i<n;i++){
                   a1[i]=sc.nextInt();
                }
                for(int i=n-1;i>=0;i--){
                   for(int j=c;j>=0;j--){
                      sum=sum+(a[i]*a1[j]);
                      c=c-1;
                      break;
                   }
                }
                System.out.println(sum);
        }
}
```