#include <stdio.h>

int main(){

int N = 0;

scanf("%d", &N);

int A[N];

int B[N];

printf("insira os valores do vetor A\n");

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

scanf("%d", &A[i]);

}

printf("insira os valores do vetor B\n");

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

scanf("%d", &B[i]);

}

int scalarProduct = 0;

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

scalarProduct = scalarProduct + A[i] \* B[i];

}

printf("%d\n", scalarProduct);

return 0;

}