#include <stdio.h>

int main (){

int r1=2;

int c1=2;

int m1[r1][c1];

int r2=2;

int c2=2;

int m2[r2][c2];

int m3[r1][c2];

int contr;

int contc;

int contz;

contr= 0;

while(contr<r1) {

contc=0;

while (contc<c1) {

printf("Poner numero de la matriz1 [%d][%d] \n" ,contr , contc);

scanf("%d" ,&m1[contr][contc]);

contc= contc+1;

}

contr= contr+1;

}

contr= 0;

contc= 0;

while(contr<r2) {

contc=0;

while (contc<c2) {

printf("Poner numero de la matriz2 [%d][%d] \n" ,contr , contc);

scanf("%d" ,&m2[contr][contc]);

contc= contc+1;

}

contr=contr+1;

}

int m3[r1][c2] = {{0}};

for ( contz = 0; contz < r1; contz++){

for ( contc = 0; contc < c2; contc++){

for ( contr = 0; contr < c1; contr++ )

m3[ contz ][contc ] += m1[contz][contr]\*m2[contr][contc];

}

}

printf("\n\nIMPRESION DE MATRICES \n\n");

for ( contr = 0; contr < r1; contr++ ){

for ( contz = 0; contz < c1; contz++){

printf("%3d", m1[contr][contz]);

}

printf("\t\t");

for ( contc = 0; contc < c2; contc++){

if ( contr <= (c1 - 1))

printf("%3d", m2[contr][contc]);

else

printf(" ");

}

printf ("\t\t");

for ( contc = 0; contc < c2; contc++ ){

printf("%3d", m3[contr][contc]);

}

printf("\n");

}

if ( c1 > r1) {

int l = r1;

while ( l < c1 ){

for ( contr = 0; contr < c1; contr++)

printf(" ");

printf("\t\t\t");

for ( contc = 0; contc < c2; contc++ )

printf("%3d", m2[l][contc]);

printf("\n");

l++;

}

}

}