#include<stdio.h>

void matrix\_multi(double A[3][4],double B[4][5],double C[3][5]){

for (int i=0; i<3; i++){

for (int j=0;j<5; j++){

C[i][j]=0;

for (int k=0; k<4; k++){

C[i][j]+=A[i][k]\*B[k][j];

}

}

}

}

int main(){

double A[3][4]={{1,2,3,4},{5,6,7,8},{9,10,11,12}};

double B[4][5]={{1,2,3,4,5},{6,7,8,9,10},{11,12,13,14,15},{16,17,18,19,20}};

double C[3][5];

matrix\_multi(A,B,C);

for (int i=0; i<3; i++){

for (int j=0;j<5; j++){

printf("%f",C[i][j]);

}

printf("\n");

}

return 0;

}