// Nguyen Xuan Thuan

// Tinh tong cac phan tu tren duong cheo chinh

#include <iostream>

using namespace std;

int main ()

{

int a[100][100] = {0};

int Tong = 0;

int n;

cout <<" Ban can tinh ma tran vuong cap: ";

cin >> n;

// Nhap ma tran

for ( int i = 0; i < n; i++)

{

for ( int j = 0; j < n; j++)

{

cout << "Nhap phan tu thu [" << i << "][" << j << "]:";

cin >> a[i][j];

cout << endl;

}

}

// Xuat Mang

cout <<" Ma tran sau khi nhap la: \n";

for ( int i = 0; i < n; i++)

{

for ( int j = 0; j < n; j++)

{

cout << a[i][j] << "\t";

}

///\*cout << endl;

cout << endl;

}

// Tinh tong duong cheo

for ( int i = 0; i < n; i++)

{

for ( int j = 0; j < n; j++)

{

if ( i == j )

Tong += a[i][j];

}

}

cout << " Tong cac phan tu tren duong cheo chinh la: " << Tong << endl;

system ("pause");

return 0;

}