#include <iostream>

using namespace std;

int GiaiThua ( int n)

{

if( n==0)

return 1;

return n \* GiaiThua( n -1);

}

int ToHop ( int n, int k )

{

int kq ;

kq = GiaiThua(n) / ( GiaiThua(k)\*GiaiThua( n-k));

return kq;

}

void GanPAScal ( int a[][100], int n )

{

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

{

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

{

if ( j <= i)

a[i][j] = ToHop (i,j);

}

}

}

void XuatMang ( int a[][100], int n)

{

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

{

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

{

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

}

cout << endl;

}

}

int main ()

{

int a[100][100];

int n;

cout <<" Nhap vao ma tran vuong cap: ";

cin >> n;

GanPAScal( a, n);

cout <<" Tam giac PASCAL la: \n";

XuatMang(a, n);

system("pause");

}