// Bai toan xep dia tren thap ha Noi

#include <iostream>

using namespace std;

// Trong do:

// Tru A la nguon; Tru B trung gian; Tru C la dich.

void ThapHaNoi( char A, char B, char C, int dia )

{

if ( dia == 1 )

cout << A <<"========>" << C << endl;

else

{

ThapHaNoi ( A, C, B, dia - 1 ); // chuyen n - 1 dia tu A sang B

ThapHaNoi ( A, B, C, 1 ); // chuyen 1 dia tu A sang C

ThapHaNoi ( B, A, C, dia - 1 ); // chuyen n - 1 dia tu B sang C

}

}

int main ()

{

int dia;

cout <<" Thap ban chuyen co bao nhieu dia: ";

cin >> dia;

ThapHaNoi ( 'A', 'B', 'C', dia );

system("pause");

return 0;

}