public const int in = 99999;

private static void print(int[,] dist, int verticesCount)

{

Console.WriteLine("short distance");

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

{

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

{

if (dist[i, j] == in)

Console.Write("in".PadLeft(7));

Else

{

Console.Write(dist[i, j].ToString().PadLeft(7));

} }

Console.WriteLine();

}

}

public static void algo(int[,] graphh, int verticesCount)

{

int[,] dist = new int[verticesCount, verticesCount];

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

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

dist[i, j] = graphh[i, j];

}

}

for (int a = 0; a < verticesCount; ++a)

{

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

{

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

{

if (dist[i, a] + dist[a, j] < dist[i, j])

dist[i, j] = dist[i, a] + dist[a, j];

}

}

}

Print(distance, verticesCount);

}