```
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);
}
```