Floyd's Algorithm

Algorithm to find solution to All-Pairs Shortest-Paths Problem

Input: The weight matrix W of a graph having vertices |
Output: The distance matrix D of the shortest paths' le

```
D ← W                                   // initially copy
for k ← 1 to n do
    for i ← 1 to n do
        for j ← 1 to n do
            D[i, j] ← min{D[i, j], D[i, k] + D[k, j]}
        end
    end
end
return D
```

Algorithm 1: Floyd(W |