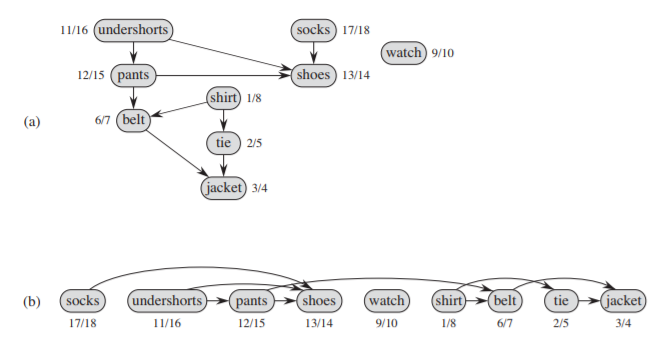
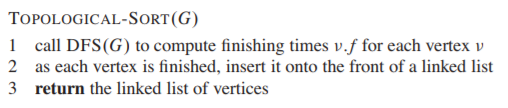
Poważne ASD w chuj

Algorytmy grafowe

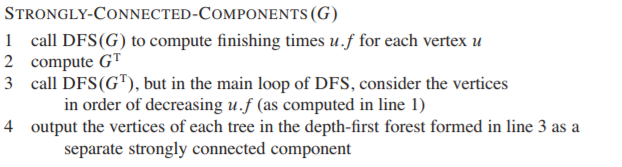
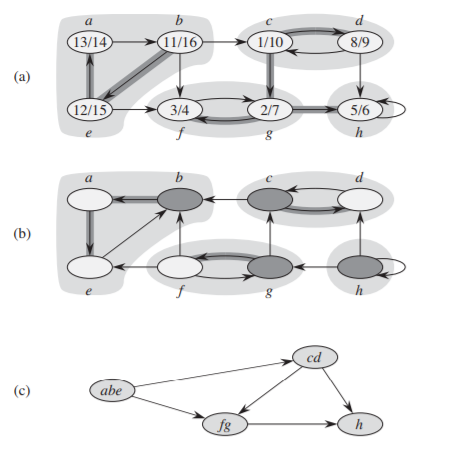
# Basic graph algorithms

## Topological sort



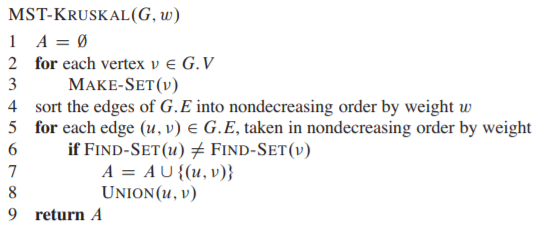


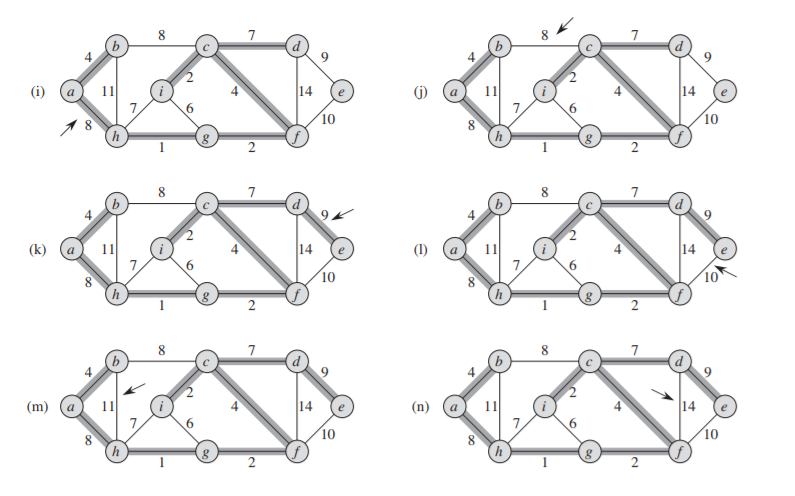
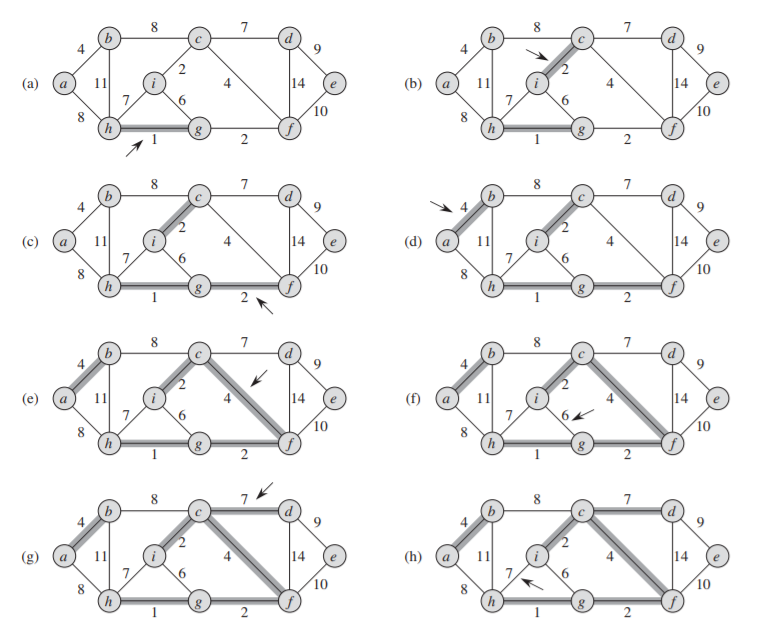
## Strongly connected components (silne spójne składowe)



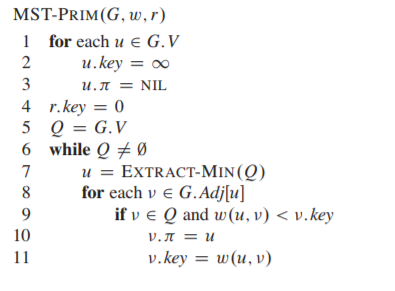
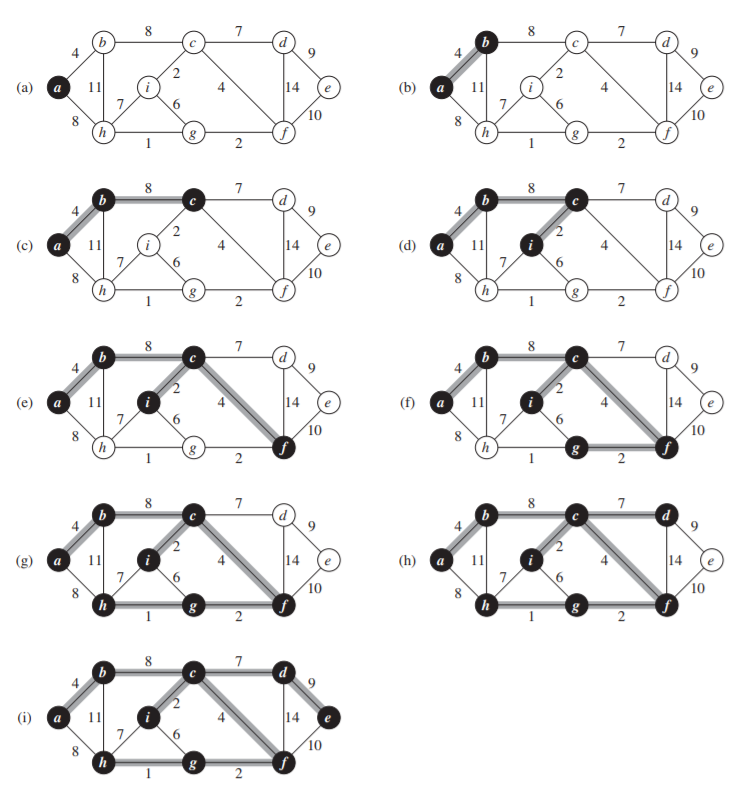
# Minimum spanning tree (drzewo rozpinające o najmniejszych wagach)

## Kruskal

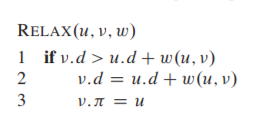
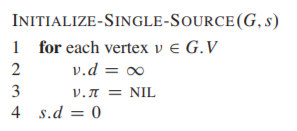




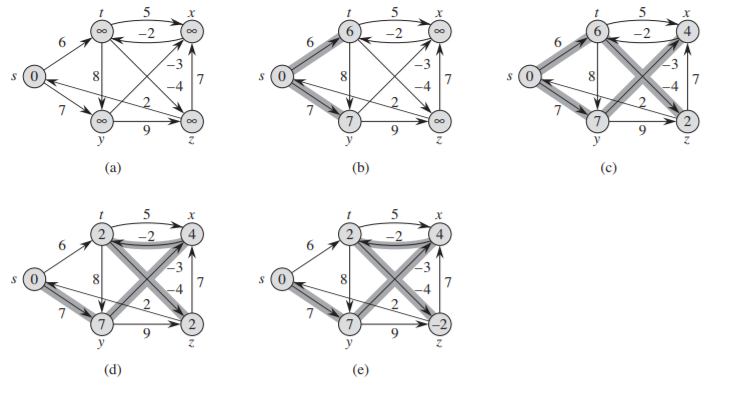
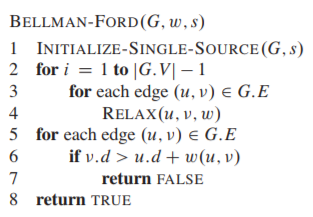
## Prim

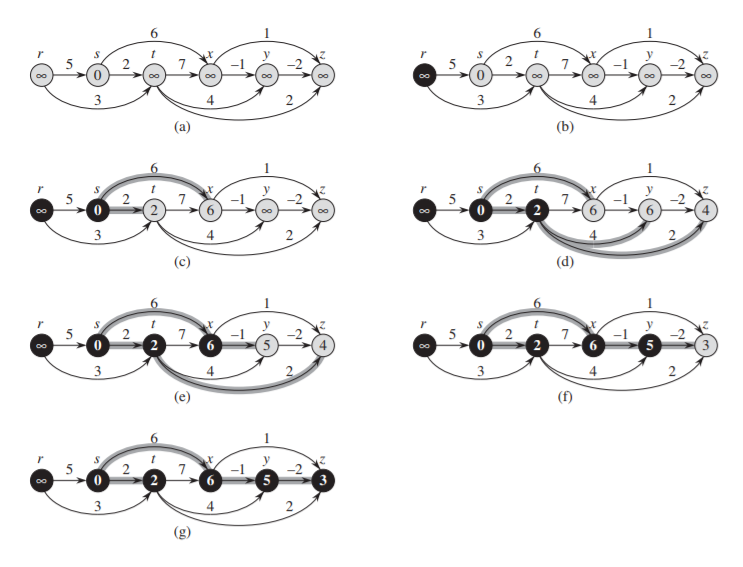
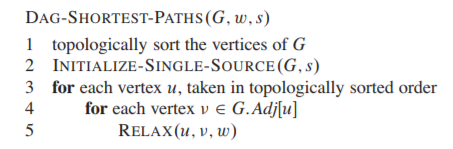
# Single-source shortest path



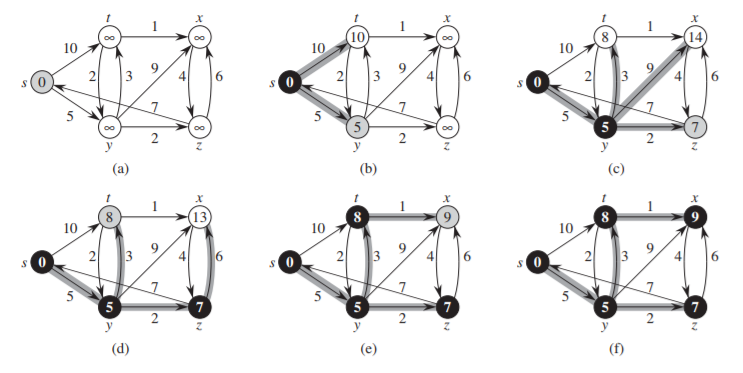
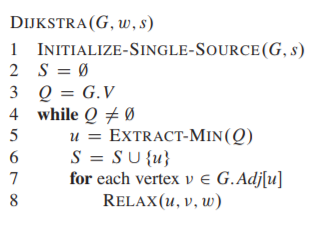
## Bellman-Ford



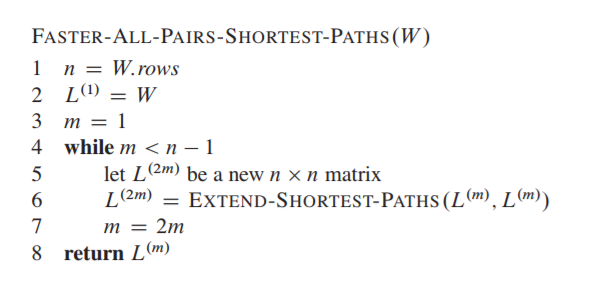
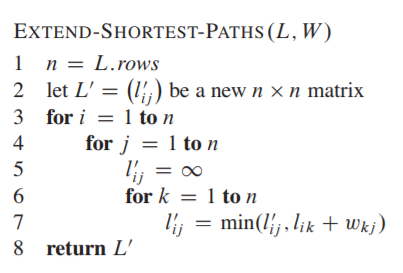
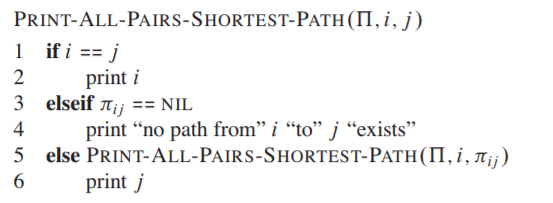
## Single-source shortest paths in directed acyclic graphs



## Dijkstra’s Algorithm



# All-Pairs Shortest Paths



Szybsze mnożenie macierzy zwraca macierz najkrótszych ścieżek z i do j

Quicker matrix multiplication returns matrix of shortest paths from i to j. O()

## Floyd-Warshall Algorithm

