



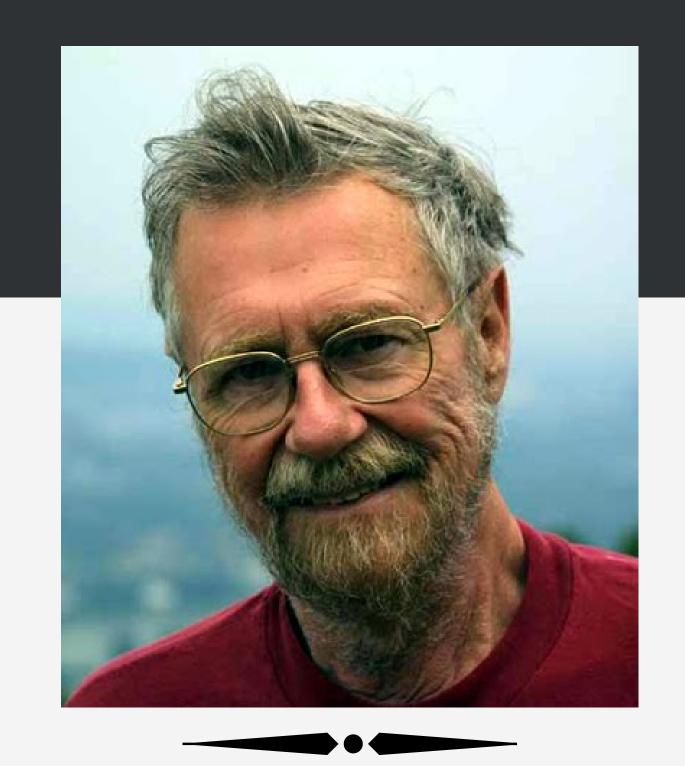
Analiza algoritmului Dijkstra pentru soluționarea a unei probleme de transport

gr. TI-207

Bodarev Victor Bunescu Gabriel Rusu Cătălin asistent universitar Bîtca Ernest lector superior Andrievschi-Bagrin Veronica

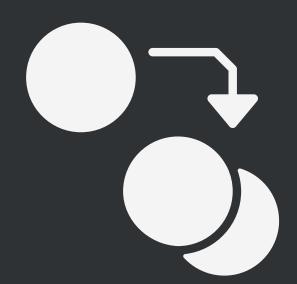
Inventatorul algoritmului Dijkstra

"Grace, clarity and the like are largely quantified. (Mozart owned this: many of his works, from which the breath stops, are deceptively simple; it seems as if they were created from practically nothing!)"



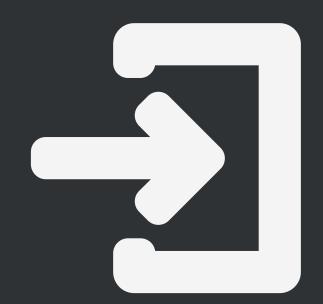
Edsger Wybe Dijkstra

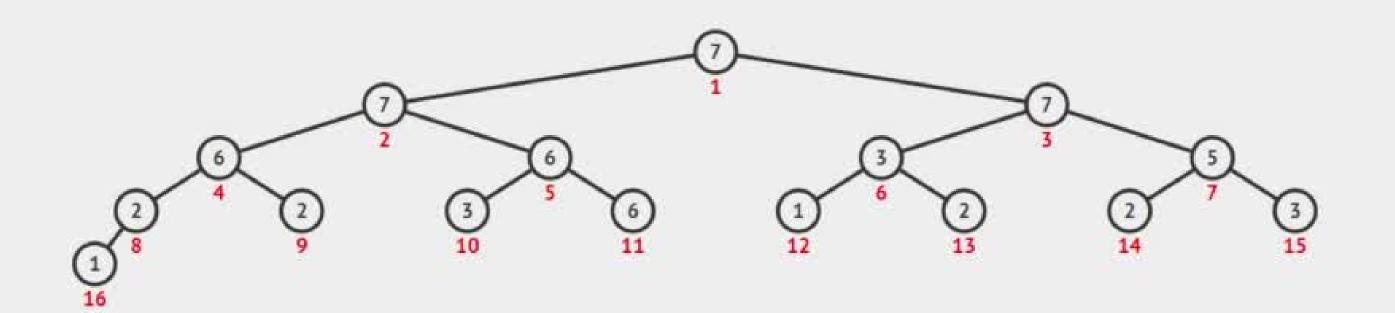
Inițializare



D

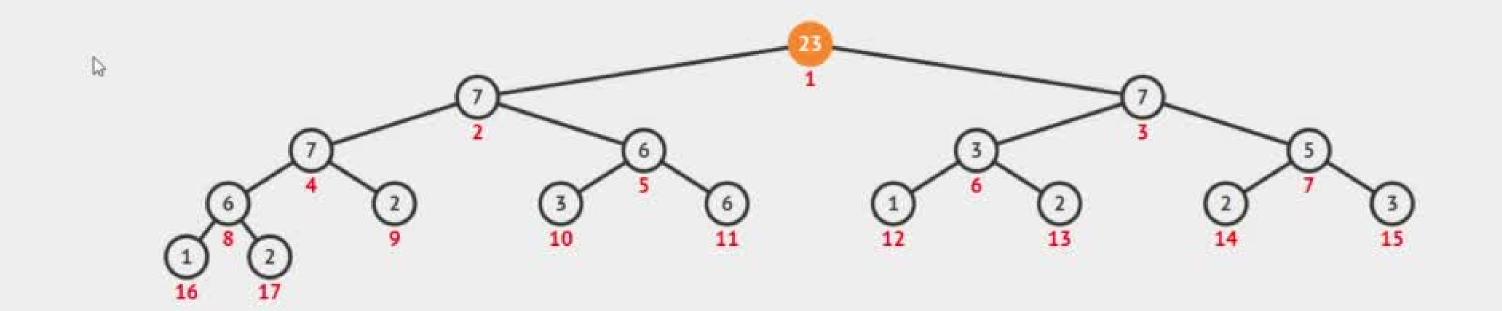
Inserare



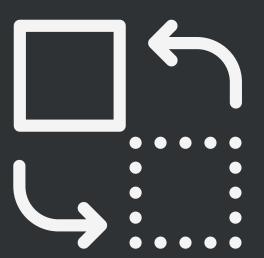


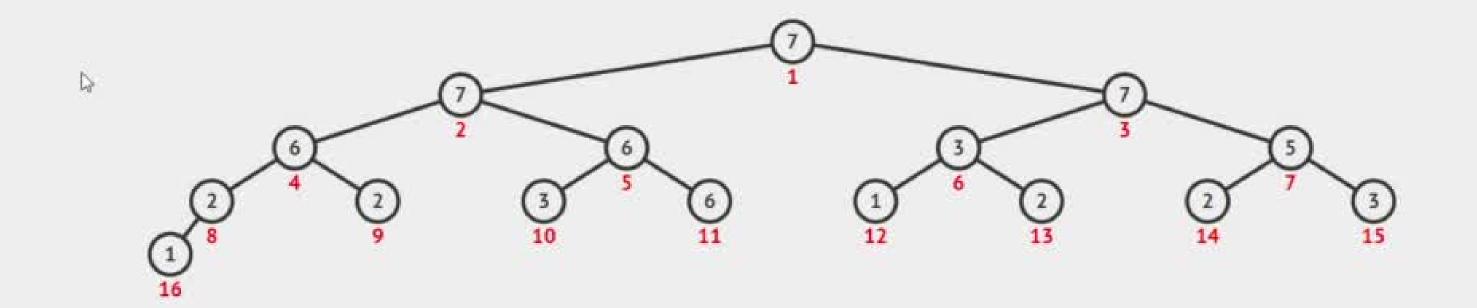


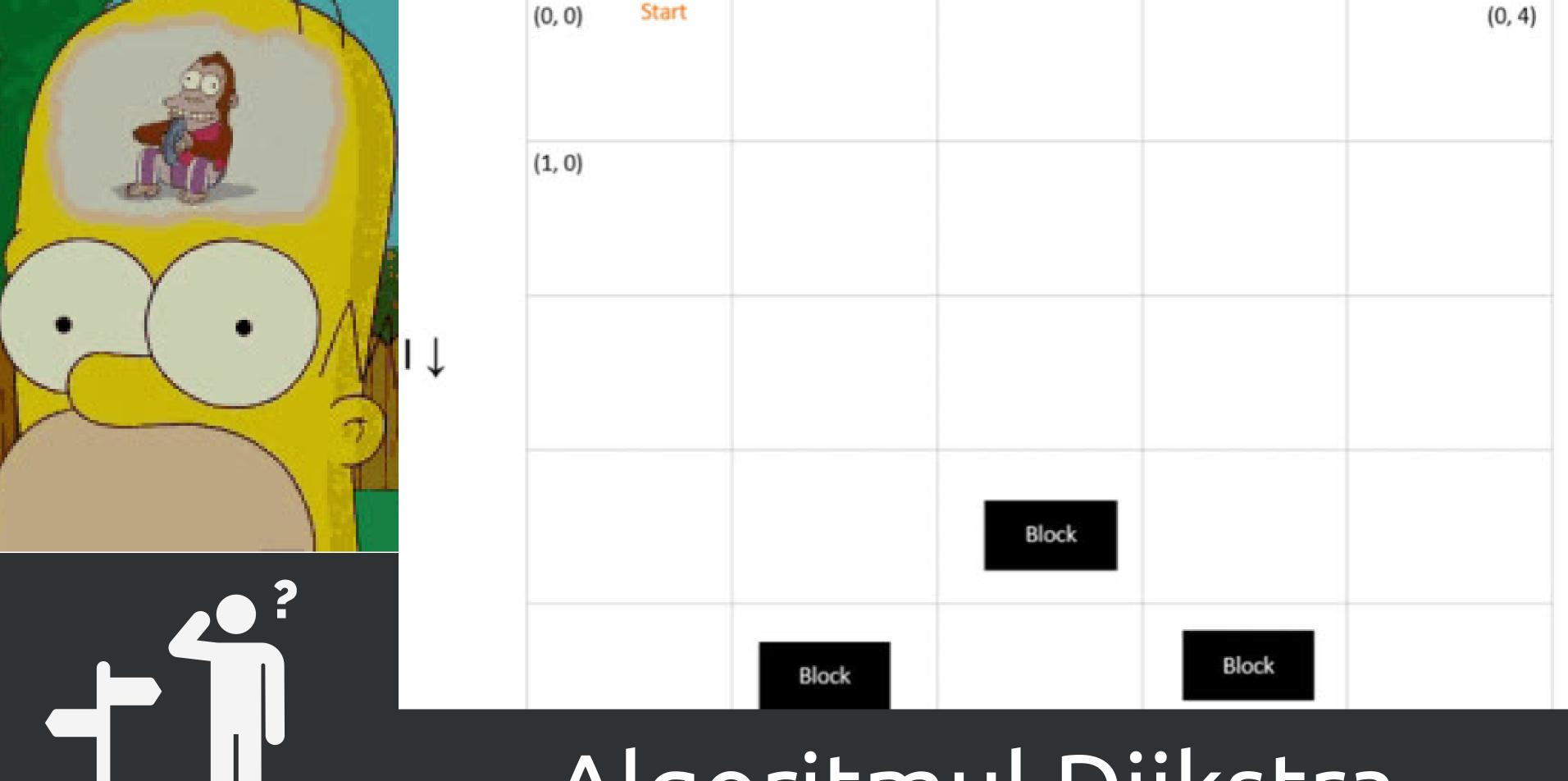
Extragerea elementului maxim



Actualizarea unei valori



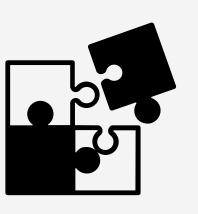




Algoritmul Dijkstra

PROBLEMA





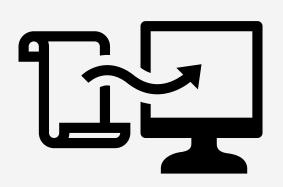


PROBLEMA

Optimizarea livrărilor



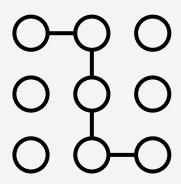
Stabilirea punctului de start și finiș



Procesarea datelor



Atingerea punctului de destinație



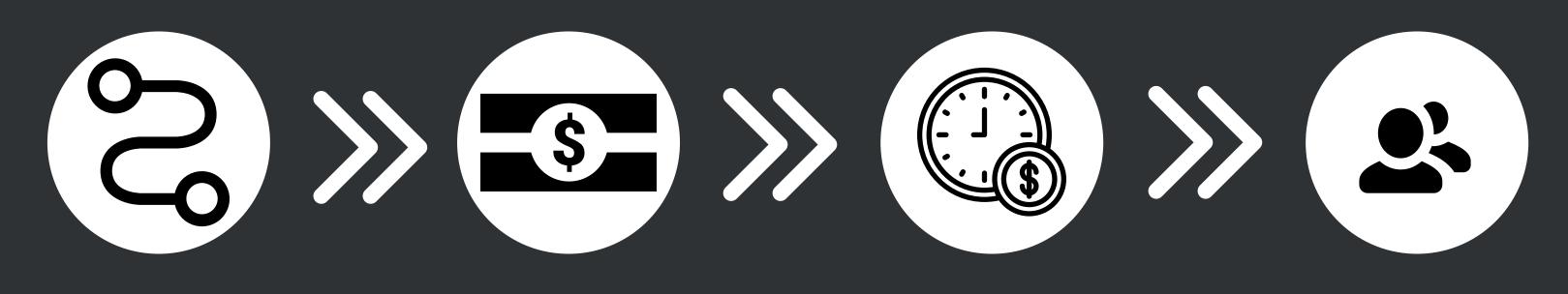
Inițializarea drumului minim

Ilustrarea algoritmului



CONSECINȚE

Efecte pozitive

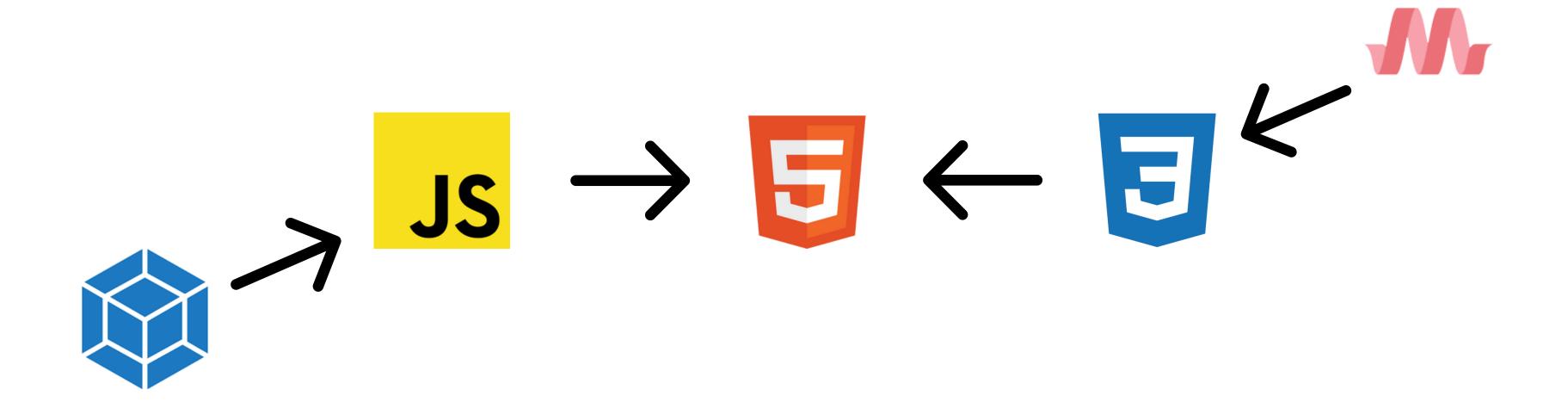


Minimizarea distanței parcurse Reducerea costurilor de transport

Optimizarea timpului de livrare

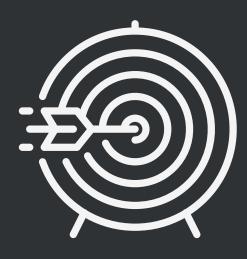
Satisfacerea clientelei

Tehnologii utilizate

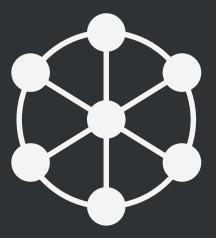


Concluzii





Precizie



Universalitate



Flexibilitate