

01 Shortest Paths

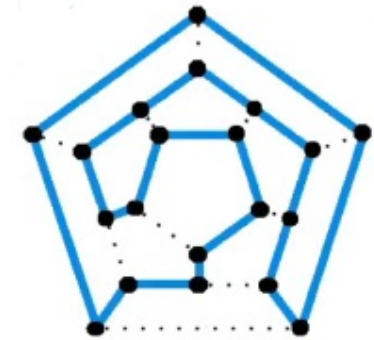


Google Maps for
Navigating Shortest Paths,
Computing Flight times & Costs



03 Shortest Cyclic Route

Min Cost Round Trip for School Vans,
Amazon Delivery Vans



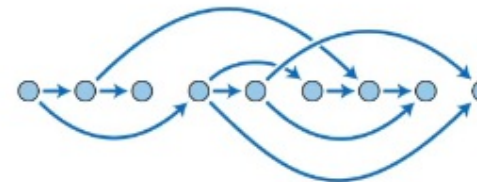
02 Social Networks

LinkedIn, Instagram, Facebook, Quora



04 Dependency Graphs

Resolving dependencies on Servers,
Software Installation etc



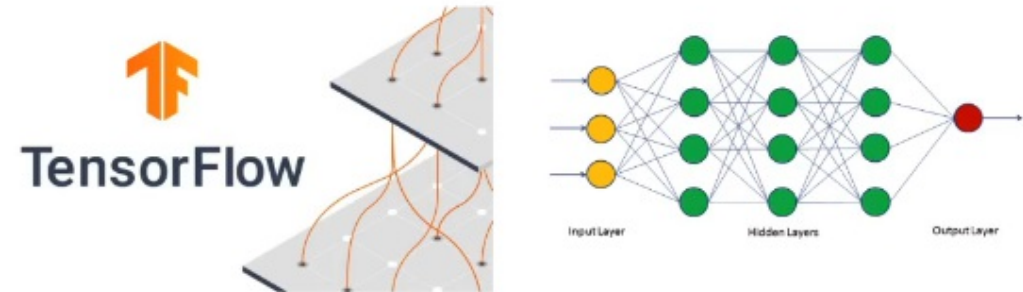
05 Routing Algorithms

Internet Routing



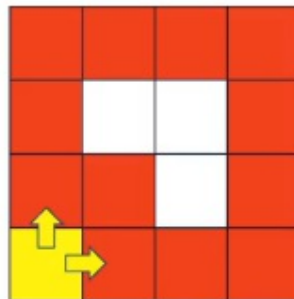
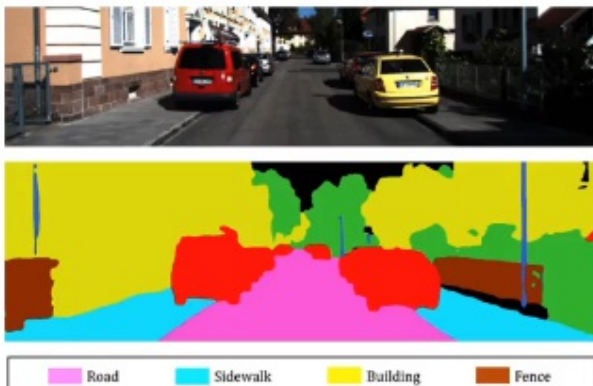
06 Computation Graphs

Deep Learning, Computations are done by optimising a graph like structure



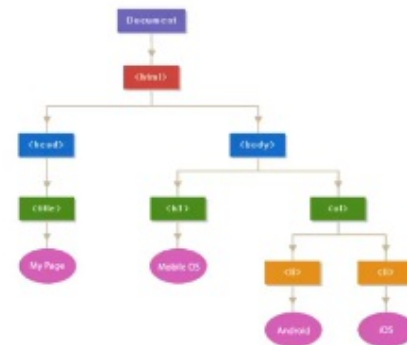
07 Computer Vision

Image Segmentation, Flood Fill etc



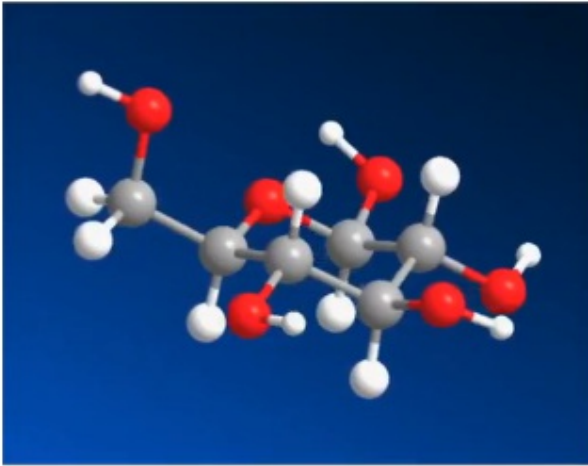
08 Web Crawlers

- Web Crawlers using BFS to crawl web
- Web Page is a DOM Tree, a tree is a graph without cycle,



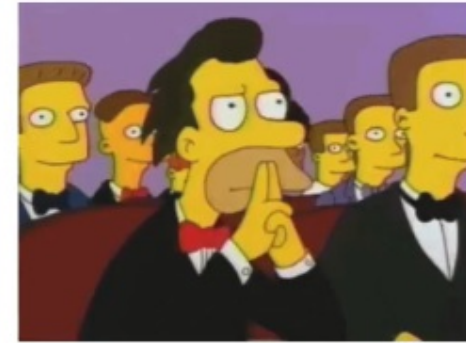
💡 09 Physics & Chemistry

Atomic & Molecular Structure,
Computer Processing



💡 10 Graph Databases

Neo4j - Graph based database used in
recommendation engines, fraud
detections & AI applications



💡 Lot more Applications

Linguistics, Social Sciences, Biology &
Neuroscience and more

