CS 4820: Intro. to Analysis of Algorithms 23 Jan 2019 n of thuse bexes Find cheapest st path 2" paths from s to t. Yet it only takes O(n) time to find the shortest one. In general graphs with n votres, in edges, Dijkstra's algorithm takes O(mlogn) time to find chegest paths, actually O(m + n log n) if you the right data structures. Basic question of algorithms: Why are some computational problems easy to solve rapidly, while others are not?



