

CS2040S Recitation 10

AY 24/25 Sem 2 — [github/omgeta](https://github.com/omgeta)

- Q1. Modified Dijkstra to take path length to be maximum weight of an edge, then run from all sources. Time: $O(VE \log V)$ preprocess, $O(1)$ query. Space: $O(V^2)$ preprocess, $O(1)$ query. Alternatively, Floyd-Warshall with same modified relax. Time: $O(V^3)$ preprocess, $O(1)$ query. Space: $O(V^2)$ preprocess, $O(1)$ query.