README.md 2023-10-19

Review the assignment due date

## DIJKSTRA(V, E, w, s)

```
1 partition V - \{s\} into V_i for i = 0, \dots, p-1
 2 partition w into w_i for i = 0, \ldots, p-1
 S = \emptyset
 4 for all v \in V_i - S_i do
       d[v] = w_i(s, v)
   while S_i \neq V_i do
       find a vertex u_i such that d[u_i] = \min \{d[v] | v \in V_i - S_i\}
       reduce u_i to find the minimum value d[u]
 8
       broadcast u and d[u]
 9
       if u \in V_i then
10
           S_i = S_i \cup \{u\}
11
       for all v \in V_i - S_i do
12
           d[v] = \min \{ d[v], d[u] + w_i(u, v) \}
13
14 Gather d to build complete d
```