```
function mod_Dijkstra(Graph, source):
    //This pseudocode is taken from wikipedia so as to modify it for our purposes.
    //Source: https://en.wikipedia.org/wiki/Dijkstra%27s_algorithm
    //Instead of minimizing path length, minimizes fluctuation. Same run time.

    create vertex set Q

    for each vertex v in Graph:
        fluc[v] ← INFINITY      //modified line
        prev[v] ← UNDEFINED
        add v to Q
    fluc[source] ← 0

    while Q is not empty:
        u ← vertex in Q with min fluc[u]

        remove u from Q

        for each neighbor v of u:
            if prev[u] exists:  //inserted line
                alt ← fluc[u] + |length(u, v) - length(prev[u], u)| //modified line
            else:               //inserted line
                alt ← fluc[u]   //inserted line

            if alt < fluc[v]:
                fluc[v] ← alt
                prev[v] ← u
                if prev[u] exists: //inserted line
                    fluc[v] += |length(u, v) - length(prev[u], u)|  //inserted line

    return fluc[], prev[]
```