SSSP stands for "Single Source Shortest Path

Modify BFS to Encode Paths

```
bfs(vertex v) {
    Q = new Queue
    prev = empty list of vertices // Added
    visit(v)
    Q.enqueue(v)
    while (queue is not empty) {
        u = Q.dequeue()
        for (each unvisited neighbor w of u) {
            visit(w)
            prev[w] = u // Added
            Q.enqueue(w)
        }
    }
}

Source

From

Single

Source
```

