

# Algdat - Øving 7, Josefine Arntsen, Sofia Håbrekke, Nathalie Graidy Andreassen, Madeleine Negård

## 1. Dijkstra, Gløshaugen-Otilienborg

```
Enter start node
2001238
Enter end node
1987066
Dijkstra found a path that takes 0 hours, 3 minutes, 56 seconds
Dijkstra visited 3565 nodes
Runtime was 57 ms
```

```
63.4194292,10.4042519
63.419343,10.4039033
63.4192611,10.4034732
63.4189953,10.4030286
Number of nodes in shortest path: 53
```

## 2. ALT, Gløshaugen-Othilienborg

```
Enter start node
2001238
Enter end node
1987066

ALT found a path that takes 0 hours, 3 minutes, 56 seconds
ALT visited 1576 nodes
Runtime was 465 ms
```

```
63.4194292,10.4042519
63.419343,10.4039033
63.4192611,10.4034732
63.4189953,10.4030286
Number of nodes in shortest path: 53
```

### 3. Dijkstra, Fosnavåg-Espoo

```
Enter start node
2486870
Enter end node
5394165
Dijkstra found a path that takes 20 hours, 1 minutes, 6 seconds
Dijkstra visited 6755846 nodes
Runtime was 16416 ms
```

```
62.3412416,5.6350305
62.3414122,5.6349484
62.341829,5.6341923
62.3420657,5.6347241
Number of nodes in shortest path: 5133
```

### 4. ALT, Fosnavåg-Espoo

```
Enter start node
2486870
Enter end node
5394165
ALT found a path that takes 20 hours, 1 minutes, 6 seconds
ALT visited 2040064 nodes
Runtime was 12914 ms
```

```
62.3412416,5.6350305
62.3414122,5.6349484
62.341829,5.6341923
62.3420657,5.6347241
Number of nodes in shortest path: 5133
```

