Grid 5X5

| Number of expanded Nodes | Number of nodes expanded | Completeness | Damage to<br>Solution | Optimality |
|--------------------------|--------------------------|--------------|-----------------------|------------|
| Breadth First            | 47981                    | Yes          | 35                    | Yes        |
| Depth First              | 31                       | Yes          | 43                    | Yes        |
| Iterative<br>Deepening   | 496                      | Yes          | 43                    | Yes        |
| Uniform Cost             | 5599                     | Yes          | 32                    | Yes        |
| Greedy Search 1          | 59                       | Yes          | 41                    | Yes        |
| Greedy Search 2          | 59                       | Yes          | 41                    | Yes        |
| AStar Search 1           | 4588                     | Yes          | 32                    | Yes        |
| AStar Search 2           | 4575                     | Yes          | 32                    | Yes        |

## Grid 6X6

| Number of expanded Nodes | Number of nodes expanded | Completeness | Damage to<br>Solution | Optimality |
|--------------------------|--------------------------|--------------|-----------------------|------------|
| Breadth First            | -                        | Yes          | -                     | -          |
| Depth First              | 157                      | Yes          | 77                    | Yes        |
| Iterative<br>Deepening   | 6122                     | Yes          | 77                    | Yes        |
| Uniform Cost             | 112550                   | Yes          | 32                    | Yes        |
| Greedy Search 1          | 58                       | Yes          | 44                    | Yes        |
| Greedy Search 2          | 104                      | Yes          | 45                    | Yes        |
| AStar Search 1           | 52542                    | Yes          | 32                    | Yes        |
| AStar Search 2           | 54061                    | Yes          | 32                    | Yes        |