CSE490R Lab3 Writeup Group name: Andy

Solution to Problem 2

Part 2.1

alpha=1.0

|  |  |  |
| --- | --- | --- |
|  | Planning time | Path length |
| 1 | 0.002529 | 264.41 |
| 2 | 0.004526 | 281.78 |
| 3 | 0.003933 | 257.93 |
| 4 | 0.002085 | 294.44 |
| 5 | 0.005647 | 308.06 |
| 6 | 0.003534 | 264.20 |
| 7 | 0.003680 | 267.43 |
| 8 | 0.004297 | 318.45 |
| 9 | 0.004615 | 280.54 |
| 10 | 0.002851 | 256.84 |

|  |  |  |
| --- | --- | --- |
| Average | 0.003770 | 279.408 |

Alpha=50.0

|  |  |  |
| --- | --- | --- |
|  | Planning time | Path length |
| 1 | 0.002245 | 261.14 |
| 2 | 0.003003 | 265.90 |
| 3 | 0.003058 | 269.25 |
| 4 | 0.003107 | 278.80 |
| 5 | 0.004458 | 289.06 |
| 6 | 0.003380 | 259.09 |
| 7 | 0.003650 | 289.69 |
| 8 | 0.002506 | 255.42 |
| 9 | 0.002768 | 247.66 |
| 10 | 0.004254 | 323.77 |

|  |  |  |
| --- | --- | --- |
| Average | 0.003243 | 273.978 |