William Burkes

CSC412

Assignment 2

3rd Edition

3.23

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Action | Open Nodes | f(n) | g(n) | h(n) |
| 1  2  3  4  5  6  7  8 | Initial State  Expand Lugoj  Add Timisoara  Add Mehadia  Expand Mehadia  Add Drobeta  Expand Drobeta  Add Craiova  Expand Craiova  Add Rimmicu Vilcea  Add Pitesti  Expand Timisoara  Add Arad  Expand Pitesti  Add Bucharest  Expand Bucharest  At Goal State | (L,244)  (T,440)  (T,440),(M,301)  (T,440),(D,387)  (T,440),(C,425)  (T,440),(R,604)  (T,440),(R,604),(P,503)  (R,604),(P,503),(A,595)  (R,604),(A,595),(B,504)  (R,604),(A,595) | 244  440  310  387  425  604  503  595  504  - | 0  111  70  145  265  411  403  229  504  - | 244  329  241  242  160  193  100  366  0  - |

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