The initial state:

|  |  |  |
| --- | --- | --- |
| 5 | 2 | 6 |
| 4 | 8 | 7 |
| 3 | 1 | 0 |

Comparison table between 7 search algorithms with same initial state. (Puzzle Game 3\*3)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Info \ Algorithms  #1 | Breadth First | Depth First | Uniform Cost | Depth Limited | Iterative Deepening | A\* | Greedy |
| Path Cost | 22 | 61,708 | 22 | No Solution | 22 | 22 | 116 |
| Processed Nodes | 841,191 | 110,023 | 665,699 | 209,491 | 1,164,876 | 21,310 | 1,787 |
| Maximum Stored Nodes | 842,856 | 117,268 | 667,066 | 116,805 | 210,165 | 21,355 | 1,810 |

The initial state:

|  |  |  |
| --- | --- | --- |
| 8 | 3 | 4 |
| 1 | 7 | 2 |
| 5 | 6 | 0 |

Comparison table between 7 search algorithms with same initial state. (Puzzle Game 3\*3)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Info \ Algorithms  #2 | Breadth First | Depth First | Uniform Cost | Depth Limited | Iterative Deepening | A\* | Greedy |
| Path Cost | 20 | 45,942 | 20 | 20 | 20 | 20 | 62 |
| Processed Nodes | 271,898 | 82,113 | 324,395 | 94,479 | 374,607 | 7,923 | 398 |
| Maximum Stored Nodes | 842,856 | 157,476 | 704,011 | 169,501 | 70,073 | 21,355 | 1,810 |

The initial state:

|  |  |  |
| --- | --- | --- |
| 6 | 5 | 4 |
| 1 | 2 | 3 |
| 7 | 8 | 0 |

Comparison table between 7 search algorithms with same initial state. (Puzzle Game 3\*3)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Info \ Algorithms  #3 | Breadth First | Depth First | Uniform Cost | Depth Limited | Iterative Deepening | A\* | Greedy |
| Path Cost | 18 | 75,898 | 18 | 20 | 18 | 18 | 78 |
| Processed Nodes | 108,626 | 135,348 | 95,349 | 16,666 | 151,779 | 3,156 | 2,351 |
| Maximum Stored Nodes | 3,634,187 | 374,334 | 2,727,245 | 295,659 | 32,550 | 74,180 | 12,154 |

The initial state:

|  |  |  |
| --- | --- | --- |
| 2 | 3 | 5 |
| 1 | 7 | 6 |
| 8 | 4 | 0 |

Comparison table between 7 search algorithms with same initial state. (Puzzle Game 3\*3)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Info \ Algorithms  #4 | Breadth First | Depth First | Uniform Cost | Depth Limited | Iterative Deepening | A\* | Greedy |
| Path Cost | 12 | 102,456 | 12 | 20 | 12 | 12 | 154 |
| Processed Nodes | 4,102 | 526,338 | 3,056 | 170,208 | 5,725 | 143 | 539,013 |
| Maximum Stored Nodes | 4,106 | 727,124 | 3,057 | 94,803 | 1,270 | 142 | 573,263 |

The initial state:

|  |  |  |
| --- | --- | --- |
| 5 | 3 | 8 |
| 4 | 1 | 2 |
| 7 | 6 | 0 |

Comparison table between 7 search algorithms with same initial state. (Puzzle Game 3\*3)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Info \ Algorithms  #5 | Breadth First | Depth First | Uniform Cost | Depth Limited | Iterative Deepening | A\* | Greedy |
| Path Cost | 18 | 102,478 | 18 | 20 | 18 | 18 | 40 |
| Processed Nodes | 74,509 | 202,009 | 106,976 | 15,058 | 101,016 | 2,943 | 564 |
| Maximum Stored Nodes | 2,284,337 | 383,289 | 2,119,465 | 242,068 | 23,619 | 47,634 | 69,813 |

The initial state:

|  |  |  |
| --- | --- | --- |
| 3 | 6 | 8 |
| 7 | 4 | 5 |
| 2 | 1 | 0 |

Comparison table between 7 search algorithms with same initial state. (Puzzle Game 3\*3)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Info \ Algorithms  #6 | Breadth First | Depth First | Uniform Cost | Depth Limited | Iterative Deepening | A\* | Greedy |
| Path Cost | 20 | 94,770 | 20 | 20 | 20 | 20 | 126 |
| Processed Nodes | 296,655 | 171,,515 | 241,703 | 132,167 | 412,295 | 5,503 | 1,094 |
| Maximum Stored Nodes | 2,215,269 | 499,880 | 2,144,997 | 315,709 | 73,662 | 46,562 | 70,697 |

The initial state:

|  |  |  |
| --- | --- | --- |
| 4 | 5 | 1 |
| 3 | 8 | 2 |
| 6 | 7 | 0 |

Comparison table between 7 search algorithms with same initial state. (Puzzle Game 3\*3)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Info \ Algorithms  #7 | Breadth First | Depth First | Uniform Cost | Depth Limited | Iterative Deepening | A\* | Greedy |
| Path Cost | 24 | 91,604 | 24 | No Solution | 24 | 24 | 184 |
| Processed Nodes | 2,192,896 | 164,819 | 2,475,574 | 209,491 | 2,994,205 | 47,734 | 108,106 |
| Maximum Stored Nodes | 2,196,993 | 179,764 | 2,480,479 | 116,805 | 625,897 | 47,806 | 111,430 |

The initial state:

|  |  |  |
| --- | --- | --- |
| 6 | 8 | 5 |
| 2 | 3 | 7 |
| 4 | 1 | 0 |

Comparison table between 7 search algorithms with same initial state. (Puzzle Game 3\*3)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Info \ Algorithms  #8 | Breadth First | Depth First | Uniform Cost | Depth Limited | Iterative Deepening | A\* | Greedy |
| Path Cost | 22 | 34,686 | 22 | No Solution | 22 | 22 | 64 |
| Processed Nodes | 1,020,974 | 62,001 | 639,513 | 209,491 | 1,435,361 | 19,836 | 728 |
| Maximum Stored Nodes | 2,284,337 | 179,764 | 2,480,479 | 233,589 | 334,695 | 47,806 | 111,430 |

The initial state:

|  |  |  |
| --- | --- | --- |
| 2 | 1 | 8 |
| 5 | 3 | 6 |
| 7 | 4 | 0 |

Comparison table between 7 search algorithms with same initial state. (Puzzle Game 3\*3)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Info \ Algorithms  #9 | Breadth First | Depth First | Uniform Cost | Depth Limited | Iterative Deepening | A\* | Greedy |
| Path Cost | 22 | 11,254 | 22 | No Solution | 22 | 22 | 72 |
| Processed Nodes | 935,291 | 20,169 | 909,106 | 209,491 | 130,6111 | 27,094 | 628 |
| Maximum Stored Nodes | 937,077 | 21,342 | 910,810 | 116,805 | 262,440 | 27,145 | 640 |

The initial state:

|  |  |  |
| --- | --- | --- |
| 1 | 8 | 6 |
| 3 | 5 | 2 |
| 7 | 4 | 0 |

Comparison table between 7 search algorithms with same initial state. (Puzzle Game 3\*3)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Info \ Algorithms  #10 | Breadth First | Depth First | Uniform Cost | Depth Limited | Iterative Deepening | A\* | Greedy |
| Path Cost | 22 | 98,488 | 22 | No Solution | 22 | 22 | 152 |
| Processed Nodes | 808,199 | 180,256 | 848,968 | 209,491 | 1,115,186 | 24,742 | 57,899 |
| Maximum Stored Nodes | 809,814 | 199,477 | 850,567 | 116,805 | 210,165 | 24,791 | 61,593 |

The initial state:

|  |  |  |
| --- | --- | --- |
| 2 | 7 | 8 |
| 4 | 3 | 6 |
| 1 | 5 | 0 |

Comparison table between 7 search algorithms with same initial state. (Puzzle Game 3\*3)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Info \ Algorithms  #11 | Breadth First | Depth First | Uniform Cost | Depth Limited | Iterative Deepening | A\* | Greedy |
| Path Cost | 24 | 101,970 | 24 | No Solution | 24 | 24 | 70 |
| Processed Nodes | 2,546,602 | 191,436 | 2,265,992 | 209,491 | 3,529,561 | 55,709 | 1,897 |
| Maximum Stored Nodes | 2,551,523 | 214,904 | 2,270,249 | 116,805 | 625,897 | 55,810 | 1,940 |

The initial state:

|  |  |  |
| --- | --- | --- |
| 2 | 5 | 4 |
| 7 | 3 | 1 |
| 6 | 8 | 0 |

Comparison table between 7 search algorithms with same initial state. (Puzzle Game 3\*3)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Info \ Algorithms  #12 | Breadth First | Depth First | Uniform Cost | Depth Limited | Iterative Deepening | A\* | Greedy |
| Path Cost | 22 | 30,974 | 22 | No Solution | 22 | 22 | 108 |
| Processed Nodes | 741,416 | 55,410 | 1,009,206 | 209,491 | 1,014,949 | 21,249 | 56,882 |
| Maximum Stored Nodes | 8,044,862 | 278,094 | 7,528,224 | 350,373 | 210,165 | 209,604 | 84,716 |

The initial state:

|  |  |  |
| --- | --- | --- |
| 6 | 7 | 4 |
| 3 | 5 | 1 |
| 8 | 2 | 0 |

Comparison table between 7 search algorithms with same initial state. (Puzzle Game 3\*3)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Info \ Algorithms  #13 | Breadth First | Depth First | Uniform Cost | Depth Limited | Iterative Deepening | A\* | Greedy |
| Path Cost | 26 | 66,064 | 26 | No Solution | 26 | 26 | 200 |
| Processed Nodes | 6,531,736 | 117,766 | 6,178,479 | 209,491 | 8,927,314 | 176,561 | 35,938 |
| Maximum Stored Nodes | 8,044,862 | 269,285 | 7,528,224 | 233,589 | 1,871,285 | 209,604 | 38,723 |

The initial state:

|  |  |  |
| --- | --- | --- |
| 2 | 8 | 7 |
| 3 | 4 | 6 |
| 1 | 5 | 0 |

Comparison table between 7 search algorithms with same initial state. (Puzzle Game 3\*3)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Info \ Algorithms  #14 | Breadth First | Depth First | Uniform Cost | Depth Limited | Iterative Deepening | A\* | Greedy |
| Path Cost | 24 | 58,292 | 24 | No Solution | 24 | 24 | 98 |
| Processed Nodes | 2,302,416 | 104,001 | 2,379,462 | 209,491 | 3,159,469 | 42,700 | 1,288 |
| Maximum Stored Nodes | 2,306,740 | 110,723 | 2,384,029 | 116,805 | 625,897 | 42,768 | 1,305 |

The initial state:

|  |  |  |
| --- | --- | --- |
| 5 | 4 | 8 |
| 6 | 2 | 3 |
| 7 | 1 | 0 |

Comparison table between 7 search algorithms with same initial state. (Puzzle Game 3\*3)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Info \ Algorithms  #15 | Breadth First | Depth First | Uniform Cost | Depth Limited | Iterative Deepening | A\* | Greedy |
| Path Cost | 26 | 81,102 | 26 | No Solution | 26 | 26 | 234 |
| Processed Nodes | 6,587,020 | 144,868 | 7,726,137 | 209,491 | 9,010,897 | 158,883 | 47,063 |
| Maximum Stored Nodes | 7,935,297 | 222,317 | 9,159,601 | 233,589 | 1,871,285 | 184,122 | 49,315 |