

Problema: 8 Puzzle

Starea Intiala :

1 2 3  
5 6 0  
7 8 4

Starea Finala:

1 2 3  
5 8 6  
0 7 4

### 1.Breadth First Search

- Timp de lucru: 8.791598ms
- Numarul de stari vizitate:29
- Adancimea la care s-a gasit starea finala:3
- Consumul de memorie:1 Kb

### 2.Depth First Search

- Timp de lucru: 7.262789289s
- Numarul de stari vizitate:94623
- Adancimea la care s-a gasit starea finala:51549
- Consumul de memorie:29 MB

### 3. Astar

- Timp de lucru: 80.917074ms
- Numarul de stari vizitate:328
- Adancimea la care s-a gasit starea finala:3
- Consumul de memorie:268 Kb

Program

- Se poate rula cu : - project.exe – windows
- project – linux

1	2	3
5	6	0
7	8	4

====>>

1	2	3
5	8	6
0	7	4

CALCULATE STEPS

CHEAT

Select algorithm

AStar

Steps

1	2	3
5	6	0
7	8	4

====>>

1	2	3
5	0	6
7	8	4

====>>

1	2	3
5	8	6
7	0	4

====>>

1	2	3
5	8	6
0	7	4

1	2	3
5	6	0
7	8	4

====>>

1	2	3
5	8	6
0	7	4

CALCULATE STEPS

CHEAT

Select algorithm

Depth First Search

Steps

1 2 3 5 6 0 7 8 4	====>>	1 2 0 5 6 3 7 8 4	====>>	1 0 2 5 6 3 7 8 4	====>>	1 6 2 5 0 3 7 8 4	====>>	1 6 2 5 8 3 7 0 4	====>>
1 6 2 5 8 3 0 7 4	====>>	1 6 2 0 8 3 5 7 4	====>>	0 6 2 1 8 3 5 7 4	====>>	6 0 2 1 8 3 5 7 4	====>>	6 8 2 1 0 3 5 7 4	====>>
6 8 2 1 7 3 5 0 4	====>>	6 8 2 1 7 3 0 5 4	====>>	6 8 2 0 7 3 1 5 4	====>>	0 8 2 6 7 3 1 5 4	====>>	8 0 2 6 7 3 1 5 4	====>>

< 1 2 3 4 5 6 7 8 9 10 ... 3167 3168 3169 3170 3171 3172 3173 3174 3175 >