Introducción a la Inteligencia Artificial
Proyecto sobre algoritmos de Búsqueda
Prof. Carlos B. Ogando M.

CASOS DE PRUEBA DE EJEMPLO PARA EL PROYECTO PUZZLE-8

```
python3 driver.py dfs 1,2,5,3,4,0,6,7,8
```

```
path_to_goal: ['Up', 'Left', 'Left']
cost_of_path: 3
nodes_expanded: 181437
search_depth: 3
max_search_depth: 66125
```

```
python3 driver.py bfs 1,2,5,3,4,0,6,7,8
```

```
path_to_goal: ['Up', 'Left', 'Left']
cost_of_path: 3
nodes_expanded: 10
search_depth: 3
max_search_depth: 4
```

```
python3 driver.py ast 1,2,5,3,4,0,6,7,8
```

```
path_to_goal: ['Up', 'Left', 'Left']
cost_of_path: 3
nodes_expanded: 3
search_depth: 3
max_search_depth: 3
```

```
python3 driver.py dfs 0,3,4,1,2,5,6,7,8
```

```
path_to_goal: ['Down', 'Down', 'Right',...]
cost_of_path: 65820
nodes_expanded: 95929
search_depth: 65820
max_search_depth: 65828
```

```
python3 driver.py bfs 0,3,4,1,2,5,6,7,8
```

```
path_to_goal: ['Down', 'Down', 'Right', 'Right', 'Up', 'Left',
'Up', 'Right', 'Down', 'Down', 'Left', 'Left', 'Up', 'Right',
'Up', 'Left']
cost_of_path: 16
nodes_expanded: 8031
search_depth: 16
max_search_depth: 17
```

```
python3 driver.py ast 0,3,4,1,2,5,6,7,8
```

```
path_to_goal: ['Up', 'Left', 'Left']
cost_of_path: 16
nodes_expanded: ['Right', 'Down', 'Left', 'Down', 'Right',
'Right', 'Up', 'Up', 'Left', 'Down', 'Right', 'Down', 'Left',
'Left', 'Up', 'Up']
search_depth: 16
max_search_depth: 16
```

```
python3 driver.py dfs 6,1,8,4,0,2,7,3,5
```

```
path_to_goal: ['Up', 'Left', 'Down', ... , 'Up', 'Left', 'Up',
'Left']
cost_of_path: 46142
nodes_expanded: 51015
search_depth: 46142
max_search_depth: 46142
```

```
python3 driver.py bfs 6,1,8,4,0,2,7,3,5
```

```
path_to_goal: ['Down', 'Right', 'Up', 'Up', 'Left', 'Down',
'Right', 'Down', 'Left', 'Up', 'Left', 'Up', 'Right', 'Right',
'Down', 'Down', 'Left', 'Left', 'Up', 'Up']
cost_of_path: 20
nodes_expanded: 54094
search_depth: 20
max_search_depth: 21
```

```
python3 driver.py ast 6,1,8,4,0,2,7,3,5
```

```
path_to_goal: ['Down', 'Right', 'Up', 'Up', 'Left', 'Down',
'Right', 'Down', 'Left', 'Up', 'Left', 'Up', 'Right', 'Right',
'Down', 'Down', 'Left', 'Left', 'Up', 'Up']
cost_of_path: 20
nodes_expanded: 696
search_depth: 20
max_search_depth: 20
```

```
python3 driver.py dfs 8,6,4,2,1,3,5,7,0
```

```
path_to_goal: ['Up', 'Up', 'Left', ..., , 'Up', 'Up', 'Left']
cost_of_path: 9612
nodes_expanded: 9869
search_depth: 9612
max_search_depth: 9612
```

```
python3 driver.py bfs 8,6,4,2,1,3,5,7,0
```

```
path_to_goal: ['Left', 'Up', 'Up', 'Left', 'Down', 'Right',
'Down', 'Left', 'Up', 'Right', 'Right', 'Up', 'Left', 'Left',
'Down', 'Right', 'Right', 'Up', 'Left', 'Down', 'Down', 'Right',
'Up', 'Left', 'Up', 'Left']
cost_of_path: 26
nodes_expanded: 166786
search_depth: 26
max_search_depth: 27
```

```
python3 driver.py ast 8,6,4,2,1,3,5,7,0
```

```
path_to_goal: ['Left', 'Up', 'Up', 'Left', 'Down', 'Right',
'Down', 'Left', 'Up', 'Right', 'Right', 'Up', 'Left', 'Left',
'Down', 'Right', 'Right', 'Up', 'Left', 'Down', 'Down', 'Right',
'Up', 'Left', 'Up', 'Left']
cost_of_path: 26
nodes_expanded: 1585
search_depth: 26
max_search_depth: 26
```