In [45]: runfile('C:/Users/Pradeep Kumar/Desktop/Mtech Semesters/Sem 2/1. Artificial Intelligence/Lab Assignment/2/Assignment_2/TTT_heuristic.py', wdir='C:/Users/Pradeep Kumar/Desktop/Mtech Semesters/Sem 2/1. Artificial Intelligence/Lab Assignment/2/Assignment_2')

Enter depth of search: 3

```
|   |   |   |   |
|   |   |   |   |
|   |   |   |   |
|   |   |   |   |
```

Player - 1

Time taken for 1 move = 0.36217379570007324 seconds
No. of explored nodes = 3617

```
|   |   |   |   |
|   | X |   |   |
|   |   |   |   |
|   |   |   |   |
```

Player - 2

You are O: Choose blank tile from board between 1-16 (left to right and top to bottom): 4

```
|   |   |   | O |
|   | X |   |   |
|   |   |   |   |
|   |   |   |   |
```

Player - 1

Time taken for 1 move = 0.15037989616394043 seconds
No. of explored nodes = 2380

```
|   |   |   | O |
|   | X |   |   |
```

```
|   |   |   | X |

|   |   |   |   |
```

Player - 2

You are O: Choose blank tile from board between 1-16 (left to right and top to bottom): 10

```
|   |   |   | O |

|   | X |   |   |

|   | O |   | X |

|   |   |   |   |
```

Player - 1

Time taken for 1 move = 0.1455833911895752 seconds
No. of explored nodes = 1464

```
|   |   |   | O |

| X | X |   |   |

|   | O |   | X |

|   |   |   |   |
```

Player - 2

You are O: Choose blank tile from board between 1-16 (left to right and top to bottom): 1

```
| O |   |   | O |

| X | X |   |   |

|   | O |   | X |

|   |   |   |   |
```

Player - 1

Time taken for 1 move = 0.09259676933288574 seconds
No. of explored nodes = 820

```
| O |   | X | O |

| X | X |   |   |

|   | O |   | X |
```

```
|   |   |   |   |
```

Player - 2

You are O: Choose blank tile from board between 1-16 (left to right and top to bottom): 13

```
| O |   | X | O |

| X | X |   |   |

|   | O |   | X |

| O |   |   |   |
```

Player - 1

Time taken for 1 move = 0.0270383358001709 seconds
No. of explored nodes = 358

```
| O |   | X | O |

| X | X | X |   |

|   | O |   | X |

| O |   |   |   |
```

Player - 2

You are O: Choose blank tile from board between 1-16 (left to right and top to bottom): 8

```
| O |   | X | O |

| X | X | X | O |

|   | O |   | X |

| O |   |   |   |
```

Player - 1

Time taken for 1 move = 0.02045297622680664 seconds
No. of explored nodes = 156

```
| O |   | X | O |

| X | X | X | O |

| X | O |   | X |
```

| O | | | |

Player - 2

You are O: Choose blank tile from board between 1-16 (left to right and top to bottom): 15

| O | | X | O |

| X | X | X | O |

| X | O | | X |

| O | | O | |

Player - 1

Time taken for 1 move = 0.002029895782470703 seconds
No. of explored nodes = 40

| O | | X | O |

| X | X | X | O |

| X | O | | X |

| O | X | O | |

Player - 2

You are O: Choose blank tile from board between 1-16 (left to right and top to bottom): 16

| O | | X | O |

| X | X | X | O |

| X | O | | X |

| O | X | O | O |

Player - 1

Time taken for 1 move = 0.0 seconds
No. of explored nodes = 4

| O | X | X | O |

| X | X | X | O |

| X | O | | X |

| O | X | O | O |

Player - 2

You are O: Choose blank tile from board between 1-16 (left to right and top to bottom): 11

| O | X | X | O |

| X | X | X | O |

| X | O | O | X |

| O | X | O | O |

Match is draw