Team SWEGGERZ
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Assignment 2: Connect Four Part 4

Our successor function will place the coin in the middle instead of the edges to maximize the total number of possible connect 4 configurations.

```
- - - - - - -
- - - - - - -
- - - - - - -
- - - - - - -
- - - - - - -
- - - x - - -
```

With x in the middle, we will be able to maximize the total number of connect 4's. On the bottom row, there will be 4 possible horizontal configurations. Adding that to one vertical configuration and two diagonals, it makes a max of 7 possible configurations.

```
- - - - - - -
- - - - - - -
- - - - - - -
- - - - - - -
- - - - - - -
x - - - - - -
```

If we put the coin on the side here, there will only be one vertical, one diagonal, and one horizontal for a total number of 3 configurations possible for connect 4, which is not the optimal amount.