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<u>Lab 3</u> Model Based Agent

```
class environment:
def __init__(self, size):
    self.size = size
    self.field = [['#']*(size+2)] + [['#']+[' ']*size+['#']]*size +[['#']*(size+2)]
    l = ['#', ' ']
    for i in range(1,51):
        self.field[i] = ['#'] + r.choices(l, weights=[1,10], k = self.size) + ['#']

def display(self):
    for i in range(self.size+2):
        for j in range(self.size+2):
              print(self.field[i][j], end='')
    print()
```

a.move(11,12)

- 12 12
- 13 12 14 12
- 15 12
- 16 12
- 17 12
- 18 12
- 19 12
- 20 12
- 21 12 22 12
- 23 12 24 12
- 25 12
- 26 12
- 27 12 28 12
- 29 12
- 29 13
- 30 13
- 31 13 31 14
- 30 14