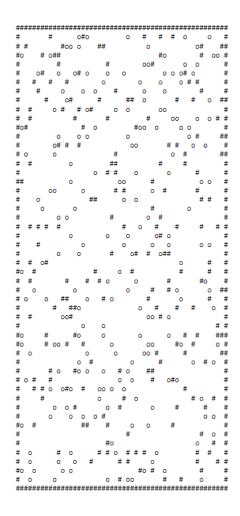
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LAB 4 GOAL BASED AGENT



```
class agent:
    def __init__(self,env):
        self.env = env
        self.coins = 0
        self.distance = 0
        self.stenp = 0
        self.x = 1
        self.y = 1
        self.history = [(-1,-1)]
                                         self.history = [(-1,-1)]

def decide(self, x,y):
    if self.env.field[x+1][y] != '#':
        x = x+1
        if self.env.field[x+1][y] == 'o':
            self.coins += 1
        self.env.field[x][y+1] != '#':
        y = y+1
        if self.env.field[x][y+1] != 'o':
            self.env.field[x][y+1] == 'o':
            self.env.field[x-1][y] != '#':
        x = x-1
        if self.env.field[x-1][y] != 'o':
            self.env.field[x-1][y] == 'o':
            self.env.field[x-1][y] == 'o':
            self.env.field[x][y+1] == 'o':
            self.env.field[x][y-1] =
                                                                                                else:
return -1,-1
return x,y
                                                   def move(self, x,y):
    self.x = x
    self.y = y
    while(True):
```

a = agent(env)

```
a.move(1,1)
```

env.display()

a.coins

0

a.history

[(2, 1), (-1, -1)]

(38,7) in a.history

False