

Prog. Assignment 1

Office Hours Description:

We need to make seams down the image with the options straight down, down to the left, down to the right in an image

- n = height of the image
- m = width of the image

To populate this table with 0's, we would do

```
for i in range(n):
    temp_list = []
    for j in range(m):
        temp_list.append(0)
    dp.append(temp_list)
```

or using list comprehension

```
energy_table = [[0 for j in range(n)] for i in range(m)]
```

Meaning potentially

```
for i in range(1,n):
    for j in range(1,m):
        dp[i][j]
```

```
dp[i,j] = min(dp[i-1, j-1], dp([i,j-1]), dp([i+1, j-1])) + energy(i,j)
```