CMSC 21
Lectures 6-7
Assignment

I had a hard time writing the code for item 2, which is to declare and initialize a road network, for the reason that I did not know how and also because of the political state of our country, which caused me post-election stress.

Anyway, in writing the code, I used a macro to define the size of the 2d array. After declaring and initializing an array, I used for loop in displaying the 2d array. Outer loop for row and inner loop for column of the matrix. Lastly, for the point location, I just used the printf function.

The problem is that my code's output is incomplete. The stations A to H on the left side are missing.

What the output supposed to look like:

```
        A       B       [C]     [D]     E       F       G       H
A       1       1       0       0       0       1       0       0
B       1       1       1       0       0       0       0       0
[C]     0       1       1       0       1       1       0       0
[D]     0       0       0       1       1       0       0       0
E       0       0       0       1       1       0       0       0
F       1       0       1       0       0       1       0       0
G       1       0       0       1       0       0       1       0
H       0       0       0       0       0       1       0       1
Which point are you located?  0 - A, 1 - B, 2 - C, 3 - D, 4 - E, 5 - F, 6 - G, 7 - H
5
At point: F
Now at point A
Now at point B
Now at point C
point: C arrived to charging station
```

What my output looks like:

```
/tmp/pkna6YaQSr.o
A       B       [C]     [D]     E       F       G       H
1       1       0       0       0       1       0       0
1       1       1       0       0       0       0       0
0       1       1       0       1       1       0       0
0       0       0       1       1       0       0       0
0       0       0       1       1       0       0       0
1       0       1       0       0       1       0       0
1       0       0       1       0       0       1       0
0       0       0       0       0       1       0       1
Which point are you located? 0 - A, 1 - B, 2 - C, 3 - D, 4 - E, 5 - F, 6 - G, 7 - H
5
At point: F
Now at point A
Now at point B
Now at point C
point: C arrived to charging station
```