

# Assignment2

September 14, 2023

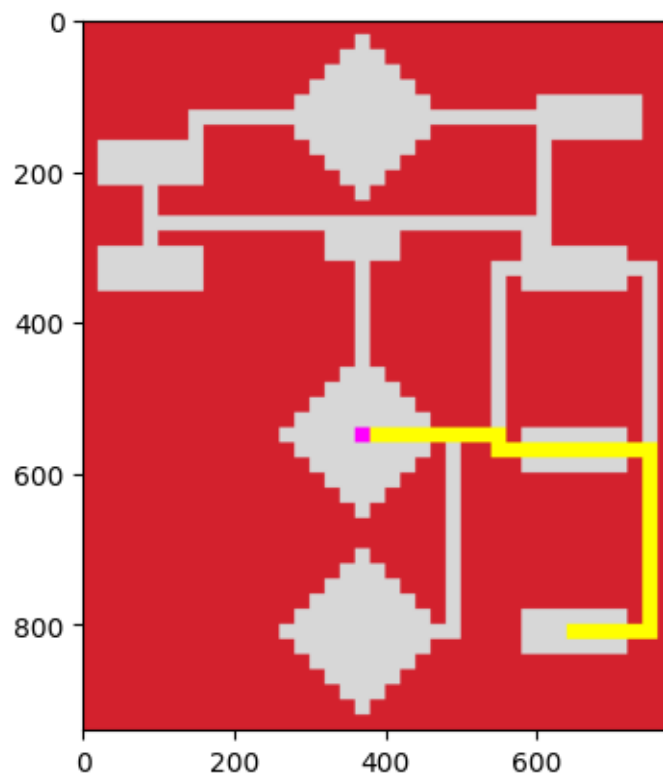
```
[ ]: from Map import Map_Obj  
import matplotlib.pyplot as plt  
from A_start import AStarSearch
```

```
[ ]: map1 = Map_Obj(task=1)  
map2 = Map_Obj(task=2)  
map3 = Map_Obj(task=3)
```

## 0.1 Task 1

```
[ ]: BF1 = AStarSearch(map1)  
x1 = BF1.find_shortest_path()  
plt.imshow(x1)
```

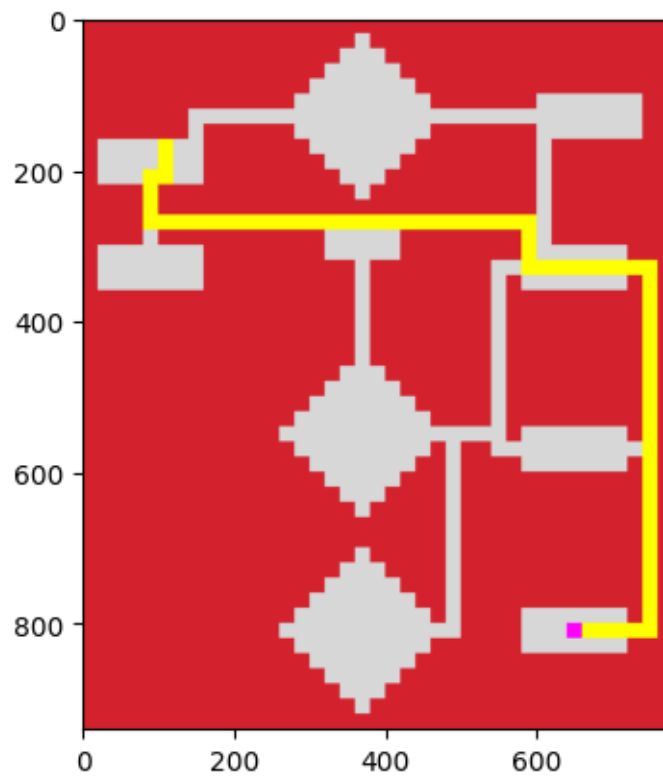
```
[ ]: <matplotlib.image.AxesImage at 0x1743c0a50>
```



## 1 Task 2

```
[ ]: BF2 = AStarSearch(map2)
      x2 = BF2.find_shortest_path()
      plt.imshow(x2)
```

```
[ ]: <matplotlib.image.AxesImage at 0x113209310>
```



## 2 Task 3

```
[ ]: BF3 = AStarSearch(map3)
      x3 = BF3.find_shortest_path()
      plt.imshow(x3)
```

```
[ ]: <matplotlib.image.AxesImage at 0x1744cd6d0>
```

