AA274_HW2

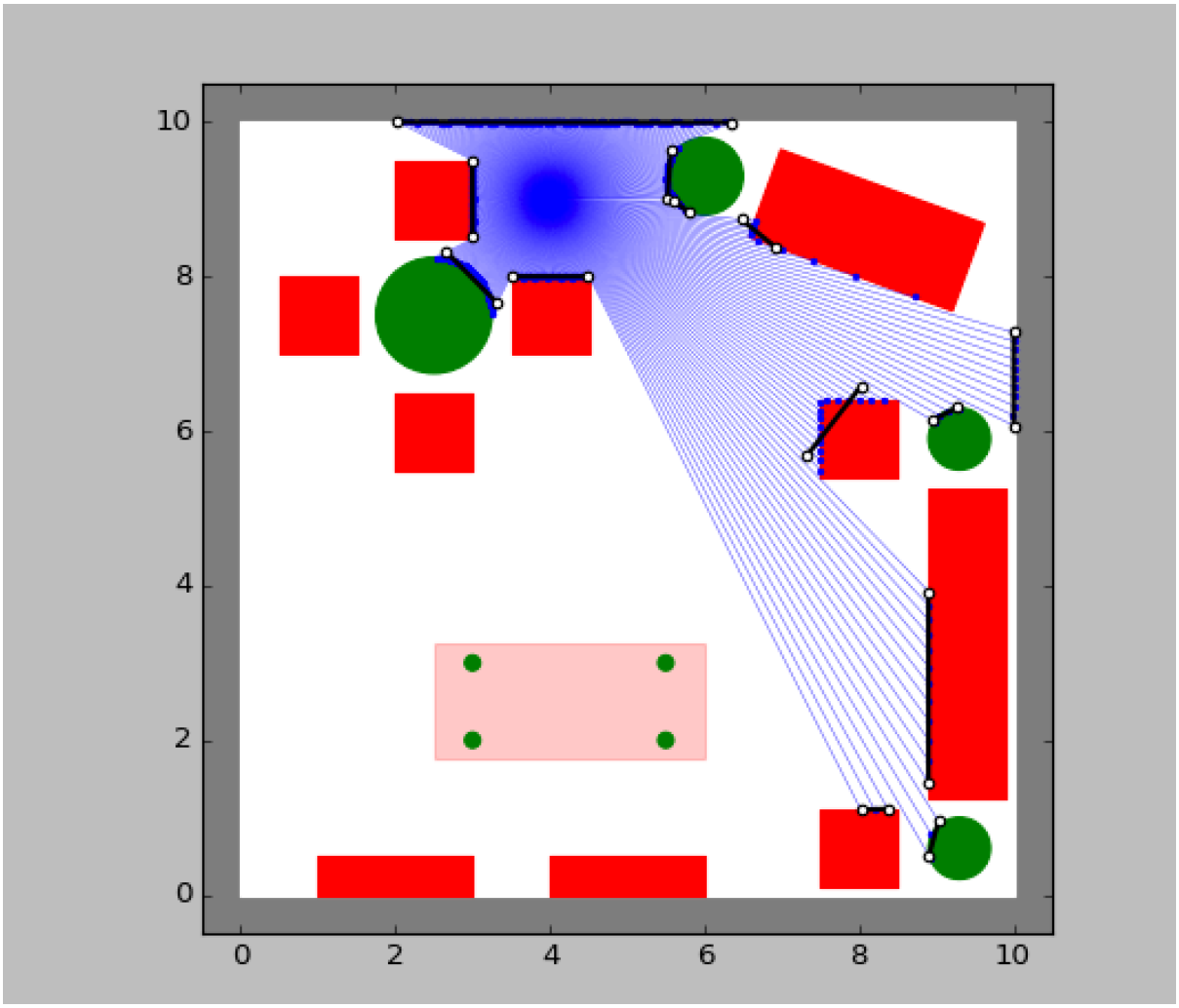
1)

No write up for this part.

2)

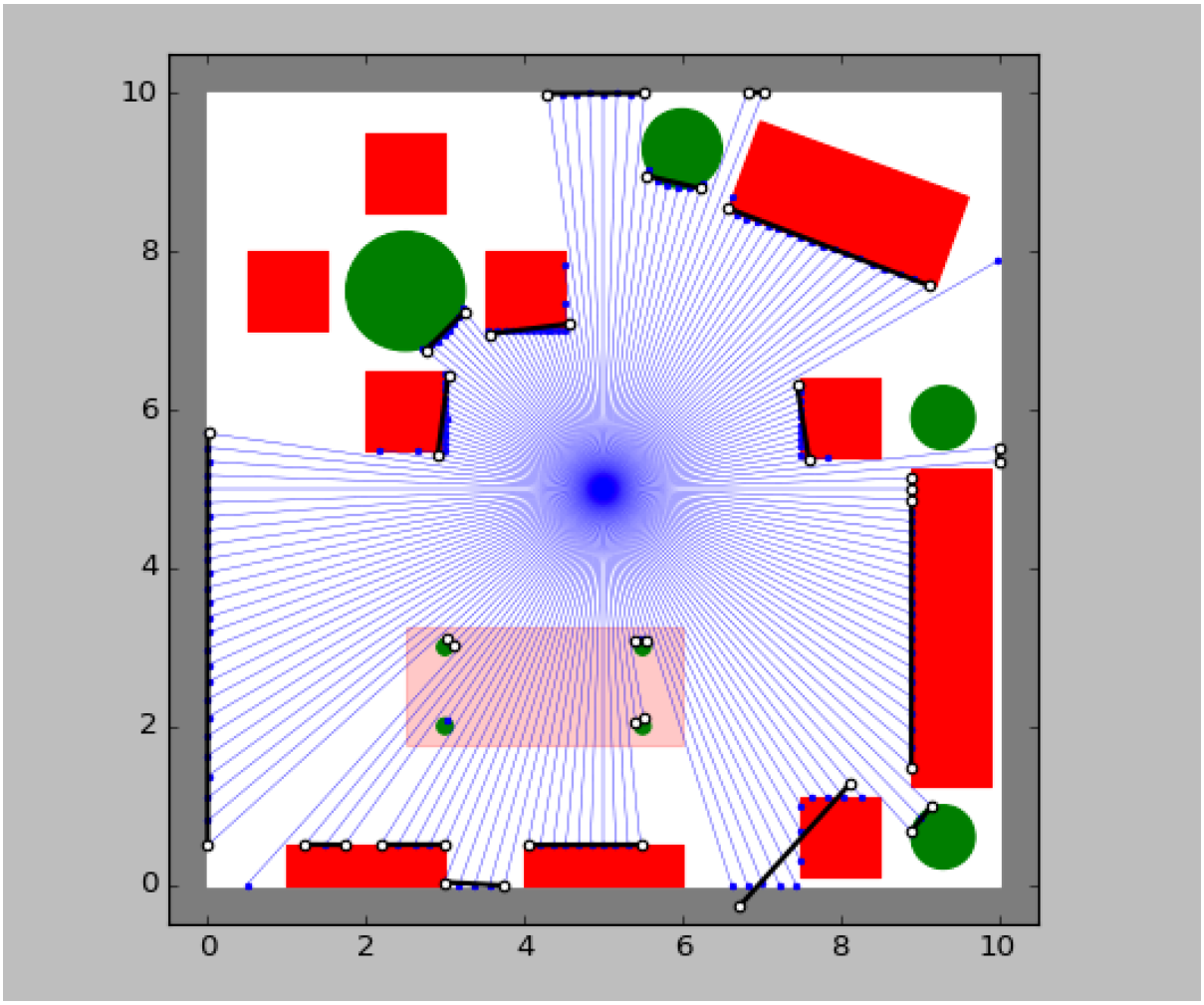
File : 'rangeData_4_9_360.csv'

```
# parameters for line extraction (mess with these!)
MIN_SEG_LENGTH = 0.05  # minimum length of each line segment (m)
LINE_POINT_DIST_THRESHOLD = 0.1  # max distance of pt from line to split
MIN_POINTS_PER_SEGMENT = 2  # minimum number of points per line segment
MAX_P2P_DIST = 0.35  # max distance between two adjent pts within a segment
```



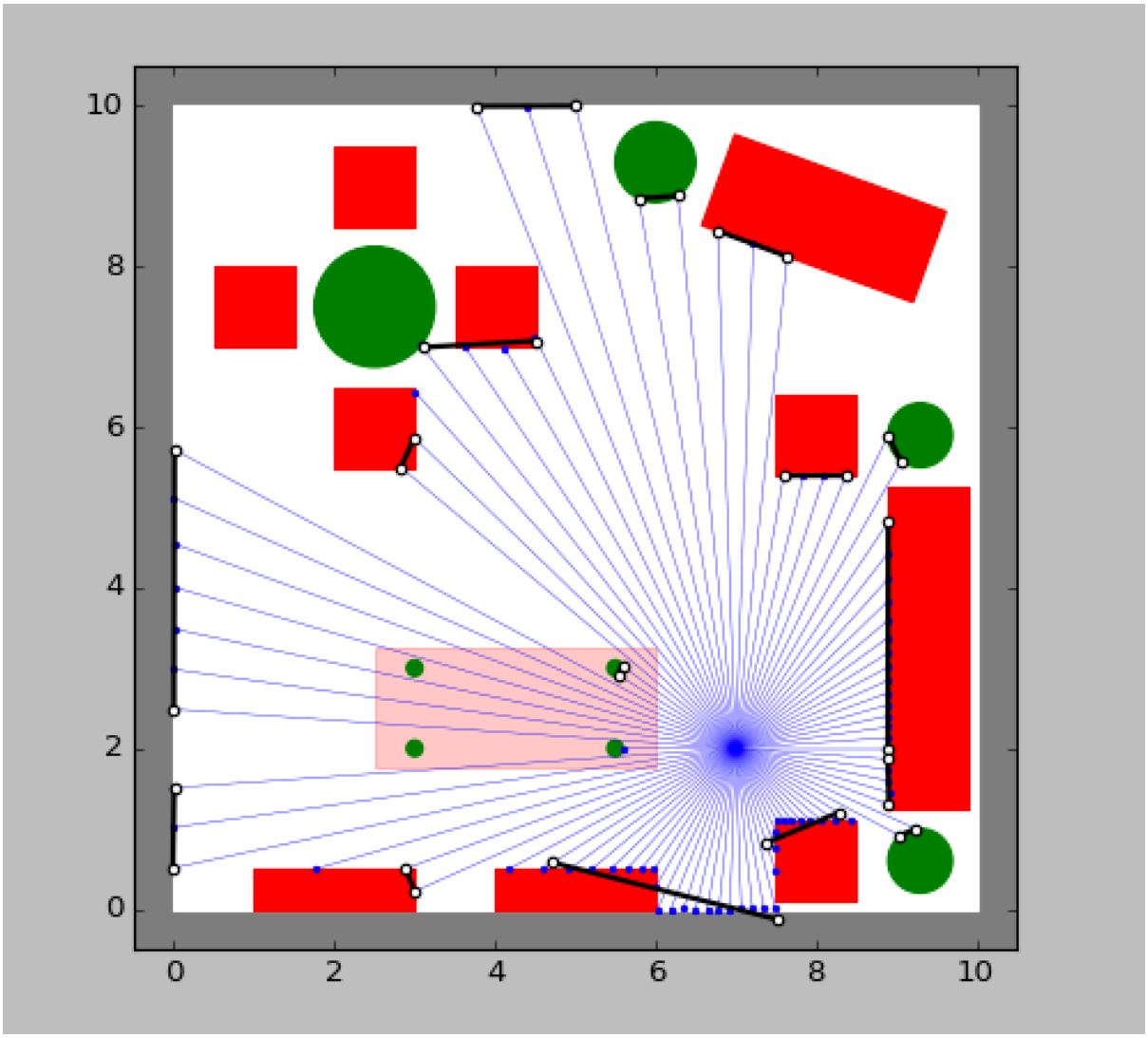
File: 'rangeData_5_5_180.csv'

```
# parameters for line extraction (mess with these!)
MIN_SEG_LENGTH = 0.05  # minimum length of each line segment (m)
LINE_POINT_DIST_THRESHOLD = 0.1  # max distance of pt from line to split
MIN_POINTS_PER_SEGMENT = 2  # minimum number of points per line segment
MAX_P2P_DIST = 0.35  # max distance between two adjent pts within a segment
```



File: 'rangeData_7_2_90.csv'

```
# parameters for line extraction (mess with these!)
MIN_SEG_LENGTH = 0.05  # minimum length of each line segment (m)
LINE_POINT_DIST_THRESHOLD = 0.1  # max distance of pt from line to split
MIN_POINTS_PER_SEGMENT = 2  # minimum number of points per line segment
MAX_P2P_DIST = 0.35  # max distance between two adjent pts within a segment
```


10
8
6
4
2
0
0
2
4
6
8
10