

# 16-662: Robot Autonomy - Homework 2

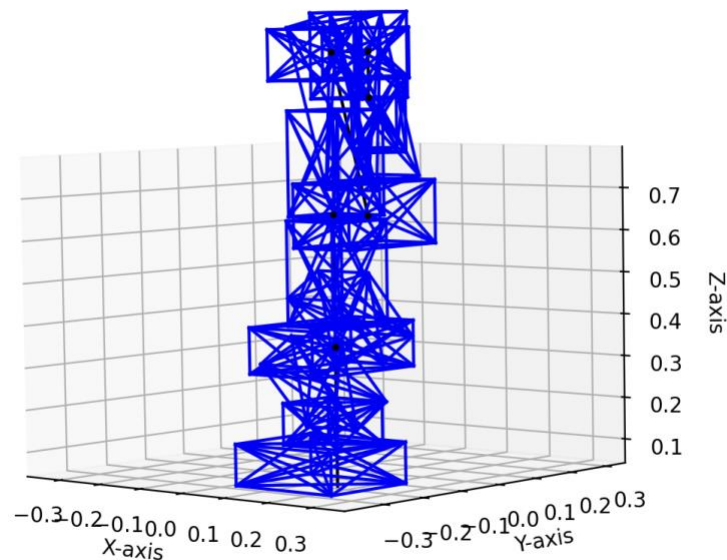
Abhinandan Vellanki – abhinanv

3.

Part 1:

```
Collision between block 0 and given test block: False
Collision between block 1 and given test block: False
Collision between block 2 and given test block: False
Collision between block 3 and given test block: False
Collision between block 4 and given test block: True
Collision between block 5 and given test block: False
Collision between block 6 and given test block: True
Collision between block 7 and given test block: True
```

Part 2:



4.

### RRT Without Path Shortening

Video Link: <https://youtu.be/JuA2riXv1oM>

### RRT With Path Shortening

Video Link: <https://youtu.be/QFHAyQPKnJ0>

5.

Video Link: [https://youtu.be/AfJD\\_oP4ceg](https://youtu.be/AfJD_oP4ceg)

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