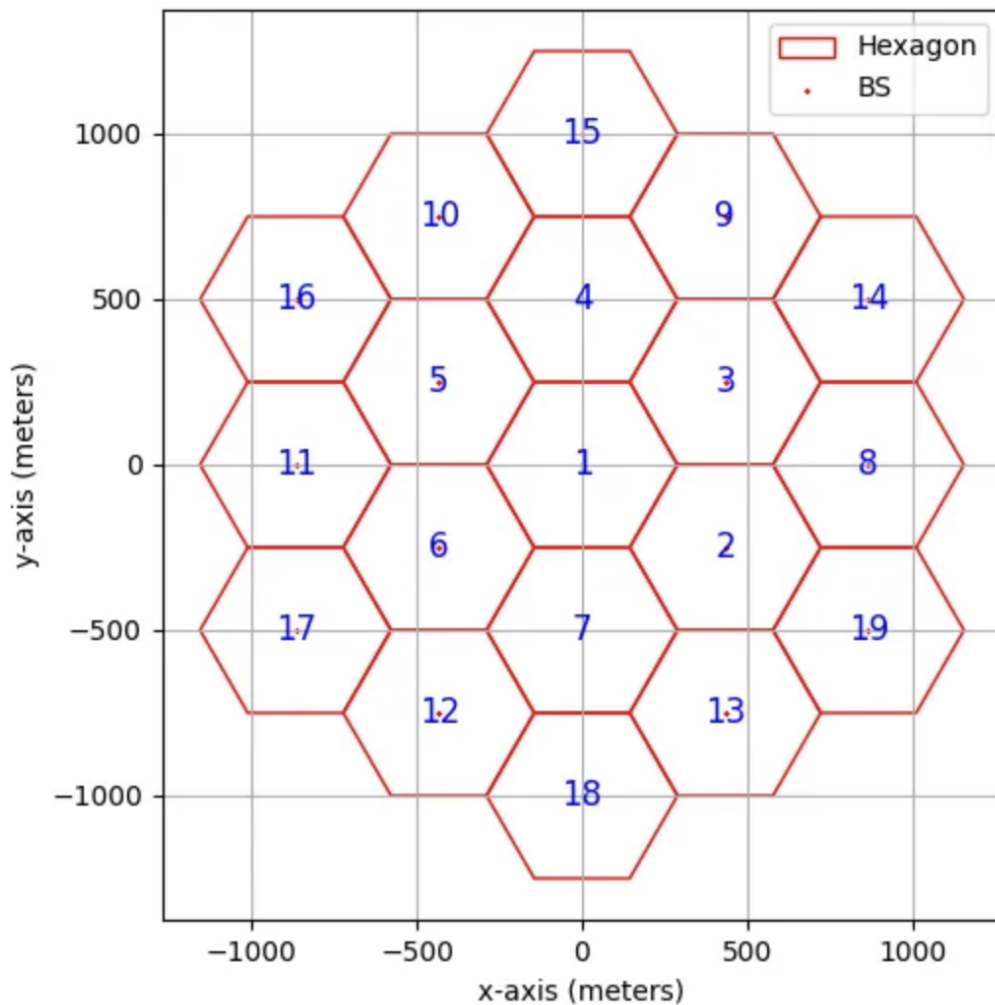


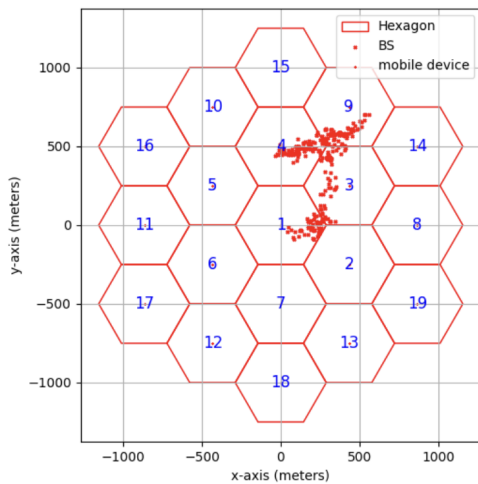
b10505005_hw3_report.pdf

1-1 Arrange cell IDs

Arrange cell clockwise, each radius 250m



1.2 list all the time when the handoff event occurs



Using the criteria of coordination-based, we define the handoff by **if mobile device move to a new coordination, we calculate its distance to all 19 cells center, the closest center number will be its new cell.**

we can also do several simulation to get the average movement and handoff, that is, in conclusion, handoffs happens for about 10-30 times in 900 seconds.

1-3

There are 22 handoffs happen during the total time.

The handoff times in 900 seconds range from 10-30, according to numerous simulations.

	Time	Source Cell ID	Destination Cell ID
0	179	1	3
1	184	3	1
2	186	1	3
3	200	3	1
4	209	1	3
5	213	3	1
6	215	1	3
7	218	3	1
8	338	1	3
9	340	3	1
10	345	1	3
11	636	3	9
12	640	9	3
13	695	3	9
14	711	9	4
15	717	4	9
16	720	9	3
17	725	3	4
18	737	4	9
19	741	9	4
20	744	4	9
21	750	9	3
22	775	3	9