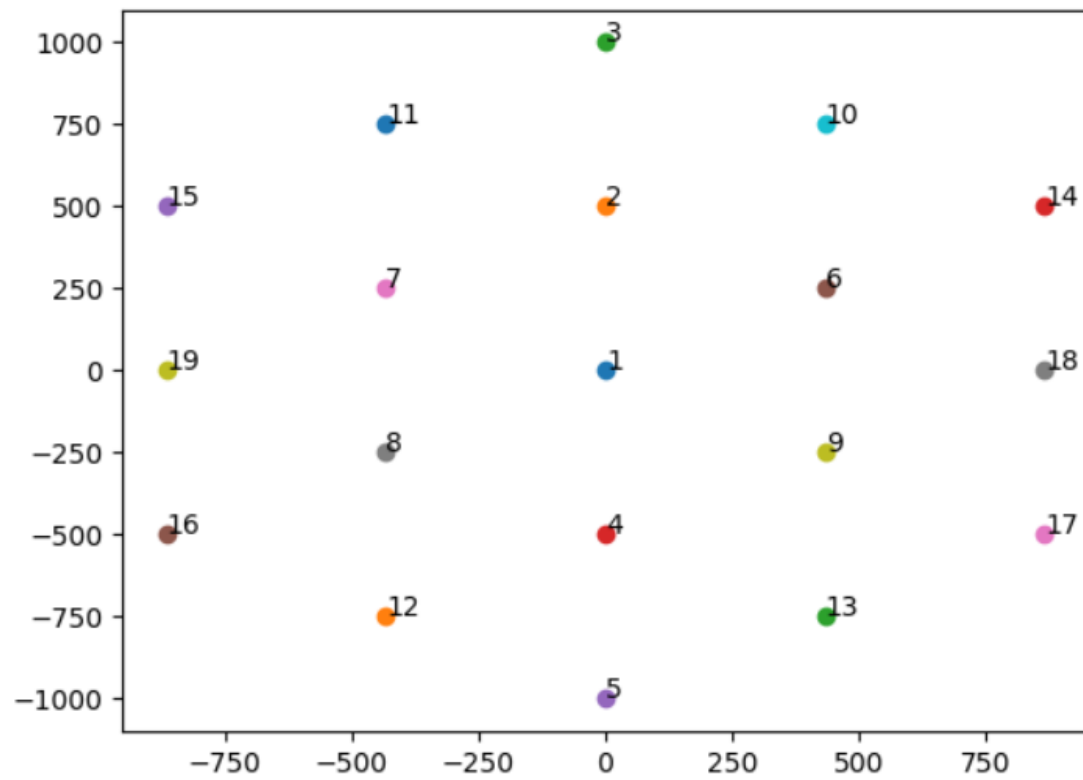
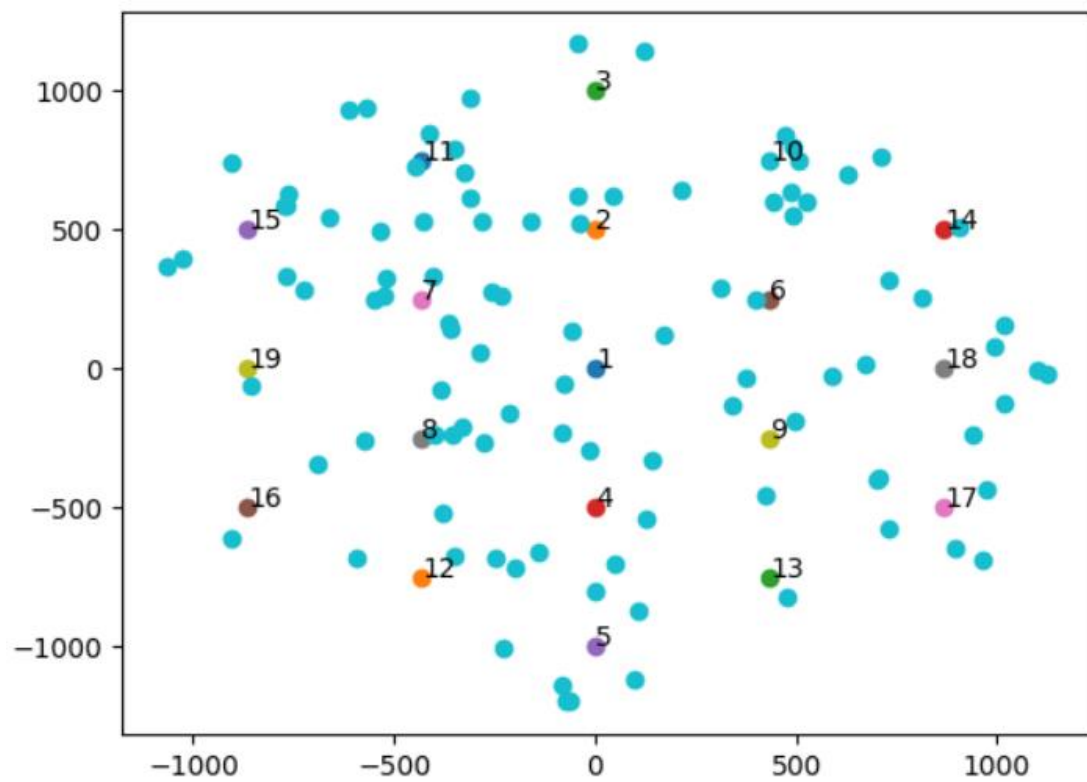


B-1



B-2



First, I uniform randomly choose a number represent a cell (1~19), then I uniform randomly choose a (x,y) coordination which falls in that cell.
(It is completely equal to choose a (x,y) coordination in the whole region directly)

B-3

time: 2s Source cell ID :7 Destination cell ID 8
time: 2s Source cell ID :1 Destination cell ID 7
time: 4s Source cell ID :10 Destination cell ID 14
time: 5s Source cell ID :2 Destination cell ID 3
time: 6s Source cell ID :17 Destination cell ID 18
time: 7s Source cell ID :7 Destination cell ID 1
time: 10s Source cell ID :19 Destination cell ID 15
time: 19s Source cell ID :16 Destination cell ID 12
time: 21s Source cell ID :6 Destination cell ID 14
time: 22s Source cell ID :15 Destination cell ID 19
time: 25s Source cell ID :14 Destination cell ID 10
time: 27s Source cell ID :1 Destination cell ID 6
time: 28s Source cell ID :8 Destination cell ID 16
time: 33s Source cell ID :10 Destination cell ID 14
time: 33s Source cell ID :13 Destination cell ID 4
time: 37s Source cell ID :14 Destination cell ID 10
time: 38s Source cell ID :14 Destination cell ID 10
time: 41s Source cell ID :10 Destination cell ID 14
time: 42s Source cell ID :8 Destination cell ID 7
time: 42s Source cell ID :4 Destination cell ID 5
time: 44s Source cell ID :6 Destination cell ID 1
time: 45s Source cell ID :3 Destination cell ID 2
time: 45s Source cell ID :6 Destination cell ID 1
time: 47s Source cell ID :19 Destination cell ID 7
time: 47s Source cell ID :1 Destination cell ID 9
time: 48s Source cell ID :13 Destination cell ID 9
time: 51s Source cell ID :9 Destination cell ID 1
time: 52s Source cell ID :13 Destination cell ID 9
time: 52s Source cell ID :7 Destination cell ID 8
time: 55s Source cell ID :2 Destination cell ID 6
time: 55s Source cell ID :5 Destination cell ID 4

time: 56s Source cell ID :10 Destination cell ID 6
time: 57s Source cell ID :11 Destination cell ID 15
time: 61s Source cell ID :2 Destination cell ID 3
time: 64s Source cell ID :18 Destination cell ID 6
time: 64s Source cell ID :12 Destination cell ID 16
time: 64s Source cell ID :6 Destination cell ID 10
time: 66s Source cell ID :9 Destination cell ID 13
time: 67s Source cell ID :1 Destination cell ID 9
time: 67s Source cell ID :3 Destination cell ID 11
time: 68s Source cell ID :4 Destination cell ID 13
time: 72s Source cell ID :5 Destination cell ID 13
time: 75s Source cell ID :1 Destination cell ID 2
time: 76s Source cell ID :11 Destination cell ID 3
time: 79s Source cell ID :12 Destination cell ID 16
time: 81s Source cell ID :9 Destination cell ID 13
time: 81s Source cell ID :2 Destination cell ID 1
time: 84s Source cell ID :15 Destination cell ID 11
time: 85s Source cell ID :14 Destination cell ID 10
time: 90s Source cell ID :1 Destination cell ID 2
time: 91s Source cell ID :13 Destination cell ID 5
time: 96s Source cell ID :9 Destination cell ID 6
time: 98s Source cell ID :7 Destination cell ID 1
time: 98s Source cell ID :7 Destination cell ID 1
time: 107s Source cell ID :1 Destination cell ID 6
time: 109s Source cell ID :13 Destination cell ID 9
time: 109s Source cell ID :1 Destination cell ID 4
time: 110s Source cell ID :4 Destination cell ID 13
time: 114s Source cell ID :2 Destination cell ID 1
time: 121s Source cell ID :8 Destination cell ID 7
time: 122s Source cell ID :7 Destination cell ID 1
time: 125s Source cell ID :10 Destination cell ID 3
time: 138s Source cell ID :17 Destination cell ID 13
time: 138s Source cell ID :9 Destination cell ID 17
time: 140s Source cell ID :13 Destination cell ID 9
time: 141s Source cell ID :13 Destination cell ID 17
time: 144s Source cell ID :9 Destination cell ID 13
time: 149s Source cell ID :17 Destination cell ID 9
time: 149s Source cell ID :4 Destination cell ID 5

time: 155s Source cell ID :9 Destination cell ID 13
time: 157s Source cell ID :6 Destination cell ID 9
time: 157s Source cell ID :16 Destination cell ID 8
time: 158s Source cell ID :16 Destination cell ID 12
time: 158s Source cell ID :16 Destination cell ID 12
time: 160s Source cell ID :3 Destination cell ID 11
time: 161s Source cell ID :19 Destination cell ID 7
time: 161s Source cell ID :8 Destination cell ID 7
time: 165s Source cell ID :4 Destination cell ID 8
time: 170s Source cell ID :6 Destination cell ID 18
time: 171s Source cell ID :13 Destination cell ID 9
time: 172s Source cell ID :5 Destination cell ID 4
time: 176s Source cell ID :1 Destination cell ID 9
time: 178s Source cell ID :18 Destination cell ID 6
time: 180s Source cell ID :9 Destination cell ID 13
time: 181s Source cell ID :10 Destination cell ID 6
time: 184s Source cell ID :8 Destination cell ID 4
time: 187s Source cell ID :7 Destination cell ID 1
time: 187s Source cell ID :9 Destination cell ID 6
time: 187s Source cell ID :4 Destination cell ID 5
time: 198s Source cell ID :17 Destination cell ID 13
time: 199s Source cell ID :9 Destination cell ID 6
time: 201s Source cell ID :6 Destination cell ID 9
time: 205s Source cell ID :8 Destination cell ID 16
time: 210s Source cell ID :1 Destination cell ID 7
time: 214s Source cell ID :7 Destination cell ID 1
time: 214s Source cell ID :15 Destination cell ID 19
time: 217s Source cell ID :6 Destination cell ID 9
time: 217s Source cell ID :6 Destination cell ID 10
time: 223s Source cell ID :13 Destination cell ID 9
time: 225s Source cell ID :3 Destination cell ID 10
time: 225s Source cell ID :4 Destination cell ID 1
time: 230s Source cell ID :2 Destination cell ID 11
time: 233s Source cell ID :19 Destination cell ID 15
time: 237s Source cell ID :11 Destination cell ID 7
time: 240s Source cell ID :18 Destination cell ID 9
time: 242s Source cell ID :1 Destination cell ID 8
time: 242s Source cell ID :12 Destination cell ID 16

time: 242s Source cell ID :3 Destination cell ID 2
time: 245s Source cell ID :2 Destination cell ID 3
time: 246s Source cell ID :14 Destination cell ID 18
time: 247s Source cell ID :6 Destination cell ID 14
time: 252s Source cell ID :12 Destination cell ID 8
time: 263s Source cell ID :10 Destination cell ID 14
time: 264s Source cell ID :9 Destination cell ID 13
time: 268s Source cell ID :1 Destination cell ID 7
time: 269s Source cell ID :9 Destination cell ID 18
time: 269s Source cell ID :16 Destination cell ID 12
time: 270s Source cell ID :8 Destination cell ID 19
time: 272s Source cell ID :1 Destination cell ID 4
time: 273s Source cell ID :8 Destination cell ID 16
time: 274s Source cell ID :6 Destination cell ID 18
time: 277s Source cell ID :7 Destination cell ID 15
time: 283s Source cell ID :13 Destination cell ID 5
time: 285s Source cell ID :14 Destination cell ID 10
time: 286s Source cell ID :9 Destination cell ID 6
time: 296s Source cell ID :5 Destination cell ID 13
time: 302s Source cell ID :12 Destination cell ID 16
time: 307s Source cell ID :18 Destination cell ID 6
time: 312s Source cell ID :7 Destination cell ID 8
time: 314s Source cell ID :6 Destination cell ID 1
time: 325s Source cell ID :9 Destination cell ID 17
time: 325s Source cell ID :1 Destination cell ID 6
time: 326s Source cell ID :13 Destination cell ID 4
time: 328s Source cell ID :1 Destination cell ID 2
time: 328s Source cell ID :1 Destination cell ID 2
time: 332s Source cell ID :4 Destination cell ID 9
time: 333s Source cell ID :13 Destination cell ID 4
time: 338s Source cell ID :2 Destination cell ID 1
time: 339s Source cell ID :18 Destination cell ID 9
time: 340s Source cell ID :2 Destination cell ID 10
time: 342s Source cell ID :9 Destination cell ID 6
time: 342s Source cell ID :6 Destination cell ID 1
time: 342s Source cell ID :13 Destination cell ID 9
time: 344s Source cell ID :15 Destination cell ID 11
time: 345s Source cell ID :5 Destination cell ID 12

time: 347s Source cell ID :4 Destination cell ID 13
time: 349s Source cell ID :2 Destination cell ID 1
time: 356s Source cell ID :16 Destination cell ID 8
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time: 358s Source cell ID :1 Destination cell ID 2
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time: 360s Source cell ID :1 Destination cell ID 6
time: 362s Source cell ID :12 Destination cell ID 5
time: 363s Source cell ID :6 Destination cell ID 2
time: 366s Source cell ID :1 Destination cell ID 2
time: 366s Source cell ID :10 Destination cell ID 2
time: 368s Source cell ID :19 Destination cell ID 15
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time: 370s Source cell ID :8 Destination cell ID 19
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time: 372s Source cell ID :6 Destination cell ID 1
time: 372s Source cell ID :11 Destination cell ID 15
time: 373s Source cell ID :19 Destination cell ID 16
time: 375s Source cell ID :1 Destination cell ID 2
time: 375s Source cell ID :16 Destination cell ID 12
time: 376s Source cell ID :7 Destination cell ID 8
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time: 379s Source cell ID :6 Destination cell ID 1
time: 381s Source cell ID :5 Destination cell ID 12
time: 382s Source cell ID :7 Destination cell ID 19
time: 390s Source cell ID :2 Destination cell ID 10
time: 396s Source cell ID :2 Destination cell ID 7
time: 399s Source cell ID :1 Destination cell ID 9
time: 402s Source cell ID :13 Destination cell ID 5
time: 402s Source cell ID :9 Destination cell ID 4
time: 407s Source cell ID :1 Destination cell ID 6
time: 410s Source cell ID :5 Destination cell ID 13
time: 410s Source cell ID :1 Destination cell ID 6
time: 413s Source cell ID :17 Destination cell ID 13
time: 419s Source cell ID :6 Destination cell ID 18
time: 424s Source cell ID :11 Destination cell ID 2
time: 429s Source cell ID :18 Destination cell ID 14
time: 434s Source cell ID :4 Destination cell ID 9

time: 437s Source cell ID :7 Destination cell ID 8
time: 437s Source cell ID :9 Destination cell ID 13
time: 443s Source cell ID :9 Destination cell ID 4
time: 446s Source cell ID :8 Destination cell ID 12
time: 451s Source cell ID :3 Destination cell ID 11
time: 451s Source cell ID :3 Destination cell ID 10
time: 456s Source cell ID :6 Destination cell ID 1
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time: 459s Source cell ID :13 Destination cell ID 17
time: 464s Source cell ID :12 Destination cell ID 16
time: 469s Source cell ID :8 Destination cell ID 12
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time: 479s Source cell ID :18 Destination cell ID 9
time: 479s Source cell ID :12 Destination cell ID 5
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time: 499s Source cell ID :5 Destination cell ID 4
time: 499s Source cell ID :18 Destination cell ID 9
time: 500s Source cell ID :17 Destination cell ID 9
time: 503s Source cell ID :2 Destination cell ID 1
time: 503s Source cell ID :19 Destination cell ID 7
time: 509s Source cell ID :12 Destination cell ID 4
time: 510s Source cell ID :4 Destination cell ID 5
time: 511s Source cell ID :8 Destination cell ID 1
time: 512s Source cell ID :3 Destination cell ID 11
time: 520s Source cell ID :1 Destination cell ID 6
time: 527s Source cell ID :4 Destination cell ID 12
time: 529s Source cell ID :7 Destination cell ID 8
time: 530s Source cell ID :3 Destination cell ID 11
time: 533s Source cell ID :2 Destination cell ID 1

time: 534s Source cell ID :15 Destination cell ID 7
time: 542s Source cell ID :19 Destination cell ID 15
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time: 548s Source cell ID :9 Destination cell ID 18
time: 550s Source cell ID :9 Destination cell ID 17
time: 555s Source cell ID :5 Destination cell ID 4
time: 555s Source cell ID :18 Destination cell ID 9
time: 556s Source cell ID :17 Destination cell ID 9
time: 557s Source cell ID :1 Destination cell ID 9
time: 562s Source cell ID :5 Destination cell ID 12
time: 563s Source cell ID :13 Destination cell ID 4
time: 563s Source cell ID :9 Destination cell ID 18
time: 563s Source cell ID :2 Destination cell ID 1
time: 567s Source cell ID :9 Destination cell ID 17
time: 570s Source cell ID :17 Destination cell ID 13
time: 571s Source cell ID :8 Destination cell ID 1
time: 572s Source cell ID :6 Destination cell ID 9
time: 574s Source cell ID :10 Destination cell ID 3
time: 576s Source cell ID :3 Destination cell ID 11
time: 576s Source cell ID :16 Destination cell ID 19
time: 578s Source cell ID :15 Destination cell ID 11
time: 580s Source cell ID :10 Destination cell ID 6
time: 584s Source cell ID :17 Destination cell ID 9
time: 584s Source cell ID :12 Destination cell ID 5
time: 585s Source cell ID :1 Destination cell ID 7
time: 585s Source cell ID :4 Destination cell ID 12
time: 587s Source cell ID :19 Destination cell ID 16
time: 587s Source cell ID :7 Destination cell ID 15
time: 599s Source cell ID :16 Destination cell ID 19
time: 599s Source cell ID :16 Destination cell ID 8
time: 601s Source cell ID :1 Destination cell ID 7
time: 602s Source cell ID :6 Destination cell ID 2
time: 604s Source cell ID :8 Destination cell ID 7
time: 608s Source cell ID :8 Destination cell ID 4
time: 609s Source cell ID :8 Destination cell ID 12
time: 609s Source cell ID :1 Destination cell ID 6
time: 611s Source cell ID :11 Destination cell ID 3

time: 618s Source cell ID :1 Destination cell ID 4
time: 620s Source cell ID :11 Destination cell ID 15
time: 623s Source cell ID :10 Destination cell ID 2
time: 626s Source cell ID :5 Destination cell ID 12
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time: 636s Source cell ID :4 Destination cell ID 1
time: 642s Source cell ID :8 Destination cell ID 16
time: 650s Source cell ID :4 Destination cell ID 9
time: 652s Source cell ID :9 Destination cell ID 4
time: 653s Source cell ID :15 Destination cell ID 11
time: 656s Source cell ID :12 Destination cell ID 4
time: 662s Source cell ID :14 Destination cell ID 6
time: 667s Source cell ID :4 Destination cell ID 12
time: 674s Source cell ID :13 Destination cell ID 17
time: 674s Source cell ID :4 Destination cell ID 1
time: 679s Source cell ID :2 Destination cell ID 3
time: 681s Source cell ID :15 Destination cell ID 19
time: 681s Source cell ID :12 Destination cell ID 4
time: 681s Source cell ID :2 Destination cell ID 10
time: 683s Source cell ID :13 Destination cell ID 9
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time: 702s Source cell ID :1 Destination cell ID 9
time: 702s Source cell ID :1 Destination cell ID 4
time: 708s Source cell ID :7 Destination cell ID 1
time: 708s Source cell ID :9 Destination cell ID 4
time: 708s Source cell ID :14 Destination cell ID 10
time: 713s Source cell ID :14 Destination cell ID 18
time: 713s Source cell ID :15 Destination cell ID 19
time: 716s Source cell ID :4 Destination cell ID 1

time: 720s Source cell ID :11 Destination cell ID 3
time: 731s Source cell ID :12 Destination cell ID 16
time: 731s Source cell ID :3 Destination cell ID 10
time: 735s Source cell ID :19 Destination cell ID 8
time: 735s Source cell ID :1 Destination cell ID 4
time: 735s Source cell ID :10 Destination cell ID 6
time: 737s Source cell ID :9 Destination cell ID 13
time: 739s Source cell ID :12 Destination cell ID 8
time: 739s Source cell ID :16 Destination cell ID 12
time: 745s Source cell ID :8 Destination cell ID 7
time: 745s Source cell ID :6 Destination cell ID 9
time: 745s Source cell ID :3 Destination cell ID 10
time: 749s Source cell ID :1 Destination cell ID 7
time: 750s Source cell ID :3 Destination cell ID 11
time: 751s Source cell ID :18 Destination cell ID 6
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time: 756s Source cell ID :12 Destination cell ID 16
time: 758s Source cell ID :6 Destination cell ID 18
time: 777s Source cell ID :16 Destination cell ID 12
time: 779s Source cell ID :9 Destination cell ID 1
time: 780s Source cell ID :10 Destination cell ID 3
time: 786s Source cell ID :9 Destination cell ID 6
time: 803s Source cell ID :6 Destination cell ID 14
time: 803s Source cell ID :6 Destination cell ID 2
time: 803s Source cell ID :6 Destination cell ID 1
time: 804s Source cell ID :19 Destination cell ID 16
time: 809s Source cell ID :1 Destination cell ID 7
time: 809s Source cell ID :7 Destination cell ID 1
time: 816s Source cell ID :18 Destination cell ID 6
time: 817s Source cell ID :4 Destination cell ID 1
time: 818s Source cell ID :14 Destination cell ID 6
time: 819s Source cell ID :3 Destination cell ID 10
time: 833s Source cell ID :19 Destination cell ID 7
time: 836s Source cell ID :1 Destination cell ID 7
time: 837s Source cell ID :17 Destination cell ID 13
time: 840s Source cell ID :7 Destination cell ID 2
time: 841s Source cell ID :9 Destination cell ID 17
time: 842s Source cell ID :6 Destination cell ID 14

time: 845s Source cell ID :19 Destination cell ID 7
time: 845s Source cell ID :2 Destination cell ID 6
time: 846s Source cell ID :1 Destination cell ID 4
time: 847s Source cell ID :2 Destination cell ID 7
time: 848s Source cell ID :7 Destination cell ID 2
time: 848s Source cell ID :1 Destination cell ID 9
time: 849s Source cell ID :13 Destination cell ID 9
time: 850s Source cell ID :7 Destination cell ID 8
time: 853s Source cell ID :2 Destination cell ID 7
time: 855s Source cell ID :11 Destination cell ID 3
time: 862s Source cell ID :3 Destination cell ID 2
time: 866s Source cell ID :8 Destination cell ID 19
time: 870s Source cell ID :10 Destination cell ID 3
time: 871s Source cell ID :7 Destination cell ID 2
time: 871s Source cell ID :7 Destination cell ID 1
time: 875s Source cell ID :12 Destination cell ID 5
time: 877s Source cell ID :19 Destination cell ID 16
time: 881s Source cell ID :14 Destination cell ID 6
time: 883s Source cell ID :6 Destination cell ID 14
time: 884s Source cell ID :6 Destination cell ID 10
time: 886s Source cell ID :16 Destination cell ID 12
time: 891s Source cell ID :4 Destination cell ID 12
time: 895s Source cell ID :8 Destination cell ID 16

My criteria:

First, if a user walk into another cell(determined by 六角形的外接圓半徑,which is 250m) ,then calculate uplink SINR of original BS and the other BS. If uplink SINR of the BS a user walk in is higher than the original one, then handover occur. Otherwise, a user still connect to the original BS.

B-4

358

(Generally, it is fluctuating between about 400 and 300)

(if we simply handover depend on distance between a user and BS without considering SINR, then the number will be about 600)