**测试地图 24mx50m 面积1200平方米 信号区域650平方米**



**测试结果：在该情况下，满足覆盖率和最大质问区分度的AP数目一般为7个，最好质问区分度为-6.3194。也出现AP数目为8个和5个的情况，满足上述要求，然而AP数目越多，其质问区分度越好。**

**测试结果1**

initial AP deployment:

AP1:15,11

AP2:12,23

AP3:12,36

AP4:22,28

AP5:10,47

AP6:2,18

AP7:2,29

initial AP fingerprint:-9.04651829058854

updating AP fingerprint:-6.5227928957404355

updating AP fingerprint:-6.322196400082761

updating AP fingerprint:-6.319475151395519

Max fingerprint: -6.319475151395519

AP1:13,6

AP2:17,19

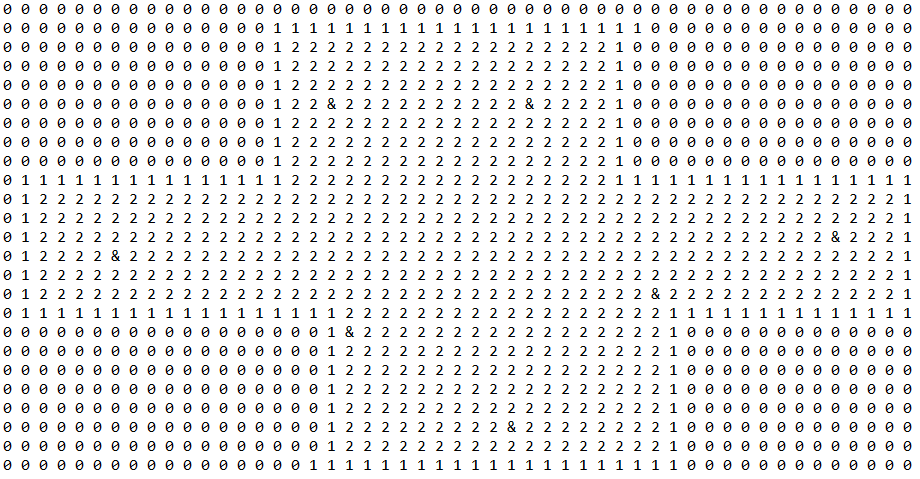
AP3:15,36

AP4:22,28

AP5:12,46

AP6:5,18

AP7:5,29



**测试结果2**

initial AP deployment:

AP1:18,32

AP2:10,22

AP3:15,12

AP4:10,40

AP5:6,33

AP6:22,21

AP7:10,2

initial AP fingerprint:-9.047877802567621

updating AP fingerprint:-6.705163520494401

updating AP fingerprint:-6.431114274017448

updating AP fingerprint:-6.377284253572251

Max fingerprint: -6.377284253572251

AP1:19,34

AP2:7,21

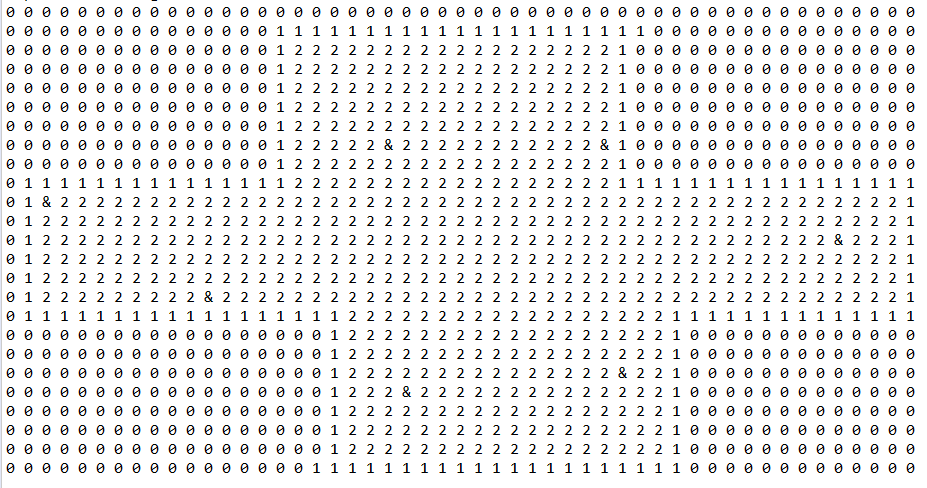
AP3:15,11

AP4:12,46

AP5:7,33

AP6:20,22

AP7:10,2



**测试结果3**

initial AP deployment:

AP1:16,35

AP2:11,23

AP3:15,12

AP4:10,45

AP5:22,24

AP6:4,32

AP7:2,16

AP8:10,2

initial AP fingerprint:-8.129144006748598

updating AP fingerprint:-6.13034087340125

updating AP fingerprint:-5.842842601262209

updating AP fingerprint:-5.817688650434099

Max fingerprint: -5.817688650434099

AP1:18,35

AP2:12,23

AP3:13,11

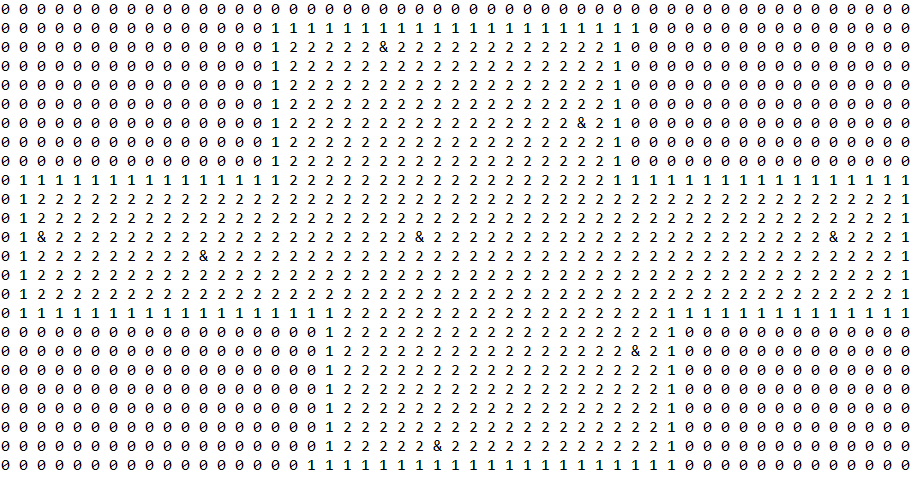
AP4:12,46

AP5:23,24

AP6:6,32

AP7:2,21

AP8:12,2



**测试结果4**

initial AP deployment:

AP1:10,34

AP2:12,22

AP3:10,10

AP4:21,29

AP5:10,46

initial AP fingerprint:-9.914784992824899

updating AP fingerprint:-8.246954278040457

updating AP fingerprint:-8.025656544289248

Max fingerprint: -8.025656544289248

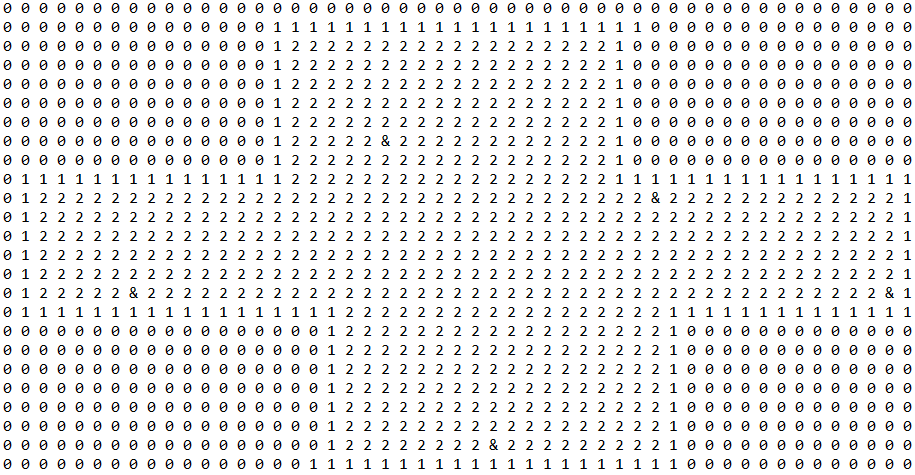
AP1:10,36

AP2:7,21

AP3:15,7

AP4:23,27

AP5:15,49



**测试结果5**

initial AP deployment:

AP1:6,30

AP2:14,20

AP3:15,39

AP4:10,9

AP5:21,29

AP6:2,18

AP7:10,49

initial AP fingerprint:-7.917293764214415

updating AP fingerprint:-6.9562092639765

updating AP fingerprint:-6.582438548549087

updating AP fingerprint:-6.464728166154718

updating AP fingerprint:-6.440877418737697

updating AP fingerprint:-6.4310937448552

updating AP fingerprint:-6.388601372056861

Max fingerprint: -6.388601372056861

AP1:5,28

AP2:18,19

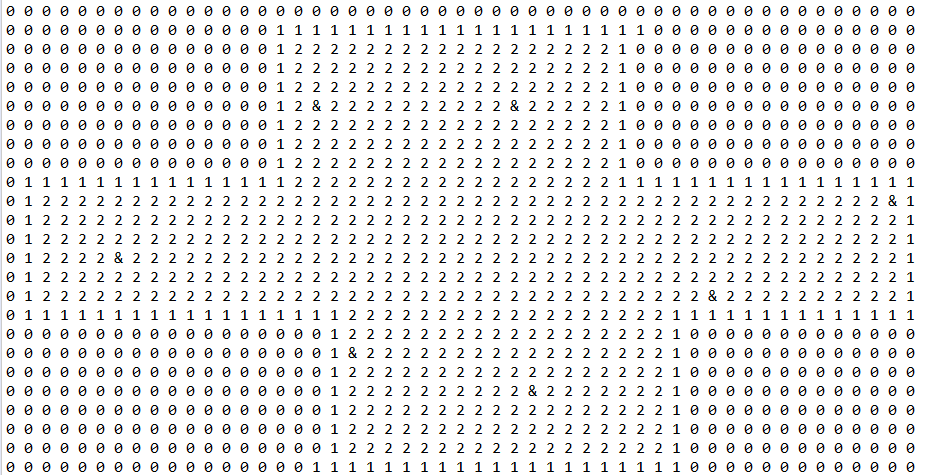
AP3:15,39

AP4:13,6

AP5:20,29

AP6:5,17

AP7:10,49



**测试结果6**

initial AP deployment:

AP1:21,35

AP2:12,26

AP3:12,13

AP4:10,39

AP5:23,23

AP6:2,20

AP7:10,2

AP8:15,49

initial AP fingerprint:-7.307421123233569

updating AP fingerprint:-6.445066554072953

updating AP fingerprint:-6.226695990521556

updating AP fingerprint:-5.99618438332848

updating AP fingerprint:-5.947876325574415

updating AP fingerprint:-5.919797692786439

Max fingerprint: -5.919797692786439

AP1:23,34

AP2:11,25

AP3:11,14

AP4:11,36

AP5:23,23

AP6:2,23

AP7:13,4

AP8:13,46

