March 22, 2014

Cyclic numbers ending in one

Prime numbers are the only numbers that can be cyclic that is the reciprocal has a repeating digits one less than the number itself, as 61 has 60 repeating, see sample below. If the number ends with a one then the repeating digits will be a multiple of ten and each of the numbers 0 through 9 will occur 10 percent of the times as in the above sample 6 times. Evan the number PI does not reach that perfect values, with each calculation they publish how many time each digit does occur. The first number I tested should have been close to 10 percent distribution it was 200,000,051 which has 200,000,050 repeating digits and each digit did occur exactly 20,000,005 times a perfect 10 percent. Next I tested 2221 followed by 131 and spot check others. While this is just an observation which is very interesting I will leave the proof to someone else who knows a lot more about number theory, of which I have no formal training.

The following list of numbers that fit the requirements and are the only ones under 10,000 that do so. I have tested all the numbers through 999611 of which there are 6236 numbers, all under 1,000,000 and each one produced a perfect 10 percent values.

1/61, 1/131, 1/181, 1/461, 1/491, 1/541, 1/571, 1/701, 1/811, 1/821, 1/941, 1/971, 1/1021, 1/1051, 1/1091, 1/1171, 1/1181, 1/1291, 1/1301, 1/1381, 1/1531, 1/1571, 1/1621, 1/1741, 1/1811, 1/1861, 1/2141, 1/2221, 1/2251, 1/2341, 1/2371, 1/2411, 1/2621, 1/2731, 1/2741, 1/2851, 1/2861, 1/2971, 1/3011, 1/3221, 1/3251, 1/3301, 1/3331, 1/3371, 1/3461, 1/3571, 1/3581, 1/3701, 1/3821, 1/4051, 1/4091, 1/4211, 1/4261, 1/4421, 1/4451, 1/4651, 1/4691, 1/4931, 1/5021, 1/5381, 1/5501, 1/5531, 1/5581, 1/5651, 1/5701, 1/5741, 1/5821, 1/5861, 1/5981, 1/6011, 1/6131, 1/6211, 1/6221, 1/6301, 1/6571, 1/6661, 1/6691, 1/6701, 1/6971, 1/7411, 1/7451, 1/7541, 1/7691, 1/7901, 1/8171, 1/8291, 1/8501, 1/8731, 1/8741, 1/8821, 1/8861, 1/8971, 1/9011, 1/9221, 1/9341, 1/9371, 1/9421, 1/9461, 1/9491, 1/9781, 1/9811, 1/9851, 1/9931,

The other numbers ending with 3, 7 or 9 have a pattern also, see the samples on the next page. Starting on page 3 is the complete list of all numbers under 10,000. For all the cyclic numbers between 7 and 49,999,903 there are 1,122,560 cyclic numbers with 236,222 ending with a 1’s; 295,501 ending with a 3’s; 295,294 ending with a 7’s and 295,543 ending with a 9’s. The 1’s really come up short while the other 3 are very close to each other. See page 21 for more information.

Here is an example by using the number 1/61 which has 60 repeating digits and each of the digits 0 through 9 are uses exactly 6 times or a perfect 10 percent. The digits are in bold and under lined to accent where each digit is in a line.

.**0**1639344262295**0**81967213114754**0**9836**0**6557377**0**4918**0**327868852459

.0**1**63934426229508**1**9672**1**3**11**47540983606557377049**1**80327868852459

.01639344**2**6**22**95081967**2**1311475409836065573770491803**2**786885**2**459

.016**3**9**3**4426229508196721**3**114754098**3**606557**3**77049180**3**27868852459

.016393**44**26229508196721311**4**75**4**09836065573770**4**9180327868852**4**59

.0163934426229**5**0819672131147**5**40983606**55**73770491803278688**5**24**5**9

.01**6**393442**6**22950819**6**72131147540983**6**0**6**5573770491803278**6**8852459

.0163934426229508196**7**213114**7**54098360655**7**3**77**04918032**7**868852459

.016393442622950**8**196721311475409**8**36065573770491**8**0327**8**6**88**52459

.0163**9**3442622**9**5081**9**672131147540**9**8360655737704**9**18032786885245**9**

Here is an example by using the number 1/131 which has 130 repeating digits and each of the digits 0 through 9 are uses exactly 13 times or a perfect 10 percent. The digits are in bold and under lined to accent where each digit is in a line.

0.**00**763358778625954198473282442748**0**916**0**3**0**534351145**0**381679389312977**0**99236641221374**0**458**0**15267175572519**0**83969465648854961832**0**61**0**687**0**229

0.00763358778625954**1**9847328244274809**1**603053435**11**45038**1**6793893**1**297709923664**1**22**1**37404580**1**5267**1**755725**1**908396946564885496**1**83206**1**06870229

0.007633587786**2**5954198473**2**8**2**44**2**7480916030534351145038167938931**2**977099**2**36641**22**13740458015**2**6717557**2**51908396946564885496183**2**06106870**22**9

0.0076**33**5877862595419847**3**28244274809160**3**05**3**4**3**511450**3**81679**3**89**3**129770992**3**6641221**3**74045801526717557251908**3**9694656488549618**3**206106870229

0.0076335877862595**4**198**4**73282**44**27**4**8091603053**4**3511**4**503816793893129770992366**4**122137**4**0**4**58015267175572519083969**4**656**4**885**4**96183206106870229

0.007633**5**877862**5**9**5**41984732824427480916030**5**343**5**114**5**038167938931297709923664122137404**5**801**5**26717**55**72**5**1908396946**5**6488**5**496183206106870229

0.007**6**3358778**6**25954198473282442748091**6**0305343511450381**6**7938931297709923**66**4122137404580152**6**71755725190839**6**94**6**5**6**488549**6**18320**6**10**6**870229

0.00**7**63358**77**86259541984**7**3282442**7**48091603053435114503816**7**93893129**77**0992366412213**7**4045801526**7**1**7**55**7**2519083969465648854961832061068**7**0229

0.0076335**8**77**8**62595419**8**4732**8**244274**8**091603053435114503**8**16793**8**9312977099236641221374045**8**0152671755725190**8**396946564**88**54961**8**3206106**8**70229

0.00763358778625**9**541**9**84732824427480**9**16030534351145038167**9**38**9**312**9**770**99**236641221374045801526717557251**9**083**9**6**9**465648854**9**618320610687022**9**Note that when a number ends with the same digit the groupings across have the same pattern. Note the “+1” on some of the numbers in the table below, these are the numbers with one more count than the rest in that group.

Number = 6**1**

0 = 6

1 = 6

2 = 6

3 = 6

4 = 6

5 = 6

6 = 6

7 = 6

8 = 6

9 = 6

Number = 2**3**

0 = 2

1 = 2

2 = 2

3 = 3 +1

4 = 2

5 = 2

6 = 3 +1

7 = 2

8 = 2

9 = 2

Number = **7**

0 = 0

1 = 1 +1

2 = 1 +1

3 = 0

4 = 1 +1

5 = 1 +1

6 = 0

7 = 1 +1

8 = 1 +1

9 = 0

Number = 1**9**

0 = 1

1 = 2 +1

2 = 2 +1

3 = 2 +1

4 = 2 +1

5 = 2 +1

6 = 2 +1

7 = 2 +1

8 = 2 +1

9 = 1

Number = 13**1**

0 = 13

1 = 13

2 = 13

3 = 13

4 = 13

5 = 13

6 = 13

7 = 13

8 = 13

9 = 13

Number = 11**3**

0 = 11

1 = 11

2 = 11

3 = 12 +1

4 = 11

5 = 11

6 = 12 +1

7 = 11

8 = 11

9 = 11

Number = 1**7**

0 = 1

1 = 2 +1

2 = 2 +1

3 = 1

4 = 2 +1

5 = 2 +1

6 = 1

7 = 2 +1

8 = 2 +1

9 = 1

Number = 2**9**

0 = 2

1 = 3 +1

2 = 3 +1

3 = 3 +1

4 = 3 +1

5 = 3 +1

6 = 3 +1

7 = 3 +1

8 = 3 +1

9 = 2

Number = 18**1**

0 = 18

1 = 18

2 = 18

3 = 18

4 = 18

5 = 18

6 = 18

7 = 18

8 = 18

9 = 18

Number = 19**3**

0 = 19

1 = 19

2 = 19

3 = 20 +1

4 = 19

5 = 19

6 = 20 +1

7 = 19

8 = 19

9 = 19

Number = 4**7**

0 = 4

1 = 5 +1

2 = 5 +1

3 = 4

4 = 5 +1

5 = 5 +1

6 = 4

7 = 5 +1

8 = 5 +1

9 = 4

Number = 5**9**

0 = 5

1 = 6 +1

2 = 6 +1

3 = 6 +1

4 = 6 +1

5 = 6 +1

6 = 6 +1

7 = 6 +1

8 = 6 +1

9 = 5

Number = 46**1**

0 = 46

1 = 46

2 = 46

3 = 46

4 = 46

5 = 46

6 = 46

7 = 46

8 = 46

9 = 46

Number = 22**3**

0 = 22

1 = 22

2 = 22

3 = 23 +1

4 = 22

5 = 22

6 = 23 +1

7 = 22

8 = 22

9 = 22

Number = 9**7**

0 = 9

1 = 10 +1

2 = 10 +1

3 = 9

4 = 10 +1

5 = 10 +1

6 = 9

7 = 10 +1

8 = 10 +1

9 = 9

Number = 10**9**

0 = 10

1 = 11 +1

2 = 11 +1

3 = 11 +1

4 = 11 +1

5 = 11 +1

6 = 11 +1

7 = 11 +1

8 = 11 +1

9 = 10

Number = 49**1**

0 = 49

1 = 49

2 = 49

3 = 49

4 = 49

5 = 49

6 = 49

7 = 49

8 = 49

9 = 49

Number = 43**3**

0 = 43

1 = 43

2 = 43

3 = 44 +1

4 = 43

5 = 43

6 = 44 +1

7 = 43

8 = 43

9 = 43

Number = 16**7**

0 = 16

1 = 17 +1

2 = 17 +1

3 = 16

4 = 17 +1

5 = 17 +1

6 = 16

7 = 17 +1

8 = 17 +1

9 = 16

Number = 14**9**

0 = 14

1 = 15 +1

2 = 15 +1

3 = 15 +1

4 = 15 +1

5 = 15 +1

6 = 15 +1

7 = 15 +1

8 = 15 +1

9 = 14

I looked into odd number in general and found that square of prime numbers like 7\*7=49 and 11\*11=121 will produce similar results like above, see the samples below. There are more samples starting at page 15 and on page 21 there is a sample of one that did not work out.

Number = 49

0 = 4

1 = 4

2 = 4

3 = 5 +1

4 = 4

5 = 4

6 = 5 +1

7 = 4

8 = 4

9 = 4

Number = 121

0 = 3 +1

1 = 2

2 = 2

3 = 2

4 = 2

5 = 2

6 = 2

7 = 2

8 = 2

9 = 3 +1

Number = 169

0 = 8 +1

1 = 7

2 = 8 +1

3 = 8 +1

4 = 8 +1

5 = 8 +1

6 = 8 +1

7 = 8 +1

8 = 7

9 = 8 +1

Number = 289

0 = 27

1 = 27

2 = 27

3 = 28 +1

4 = 27

5 = 27

6 = 28 +1

7 = 27

8 = 27

9 = 27

Number = 361

0 = 35 +1

1 = 34

2 = 34

3 = 34

4 = 34

5 = 34

6 = 34

7 = 34

8 = 34

9 = 35 +1

Here is the complete listing of all cyclic prime numbers under 10,000, I have placed them in last digit groups for easer viewing the last digit relationships . Based on the last digit the pattern will always be the same as on the samples above. This is by no means a proof and remains just an observation. See starting on page 14 where the square of these numbers create a new pattern. For the fun or it I added the Chi square value, which are mostly below 1. As part of another study I was looking at the sum of all the digits used in the repeating digits. As an observation not a proof, I concluded the sum of digits for a cyclic prime number P is 4.5 \* (P – 1). As a sample for 7 the sum of the digits is 4.5 \* (7-1) equals 4.5 \* 6 or 27 which is the correct value, 61 is 4.5 \* (61 – 1) which equals 270. This equation is very easy to prove, if someone can prove that the first part is also true that the number of each digit is the pattern of the second page.

Number = 61

0 = 6

1 = 6

2 = 6

3 = 6

4 = 6

5 = 6

6 = 6

7 = 6

8 = 6

9 = 6

Chi Square= 0

Number = 131

0 = 13

1 = 13

2 = 13

3 = 13

4 = 13

5 = 13

6 = 13

7 = 13

8 = 13

9 = 13

Chi Square= 0

Number = 181

0 = 18

1 = 18

2 = 18

3 = 18

4 = 18

5 = 18

6 = 18

7 = 18

8 = 18

9 = 18

Chi Square= 0

Number = 461

0 = 46

1 = 46

2 = 46

3 = 46

4 = 46

5 = 46

6 = 46

7 = 46

8 = 46

9 = 46

Chi Square= 0

Number = 491

0 = 49

1 = 49

2 = 49

3 = 49

4 = 49

5 = 49

6 = 49

7 = 49

8 = 49

9 = 49

Chi Square= 0

Number = 541

0 = 54

1 = 54

2 = 54

3 = 54

4 = 54

5 = 54

6 = 54

7 = 54

8 = 54

9 = 54

Chi Square= 0

Number = 571

0 = 57

1 = 57

2 = 57

3 = 57

4 = 57

5 = 57

6 = 57

7 = 57

8 = 57

9 = 57

Chi Square= 0

Number = 701

0 = 70

1 = 70

2 = 70

3 = 70

4 = 70

5 = 70

6 = 70

7 = 70

8 = 70

9 = 70

Chi Square= 0

Number = 811

0 = 81

1 = 81

2 = 81

3 = 81

4 = 81

5 = 81

6 = 81

7 = 81

8 = 81

9 = 81

Chi Square= 0

Number = 821

0 = 82

1 = 82

2 = 82

3 = 82

4 = 82

5 = 82

6 = 82

7 = 82

8 = 82

9 = 82

Chi Square= 0

Number = 941

0 = 94

1 = 94

2 = 94

3 = 94

4 = 94

5 = 94

6 = 94

7 = 94

8 = 94

9 = 94

Chi Square= 0

Number = 971

0 = 97

1 = 97

2 = 97

3 = 97

4 = 97

5 = 97

6 = 97

7 = 97

8 = 97

9 = 97

Chi Square= 0

Number = 1021

0 = 102

1 = 102

2 = 102

3 = 102

4 = 102

5 = 102

6 = 102

7 = 102

8 = 102

9 = 102

Chi Square= 0

Number = 1051

0 = 105

1 = 105

2 = 105

3 = 105

4 = 105

5 = 105

6 = 105

7 = 105

8 = 105

9 = 105

Chi Square= 0

Number = 1091

0 = 109

1 = 109

2 = 109

3 = 109

4 = 109

5 = 109

6 = 109

7 = 109

8 = 109

9 = 109

Chi Square= 0

Number = 1171

0 = 117

1 = 117

2 = 117

3 = 117

4 = 117

5 = 117

6 = 117

7 = 117

8 = 117

9 = 117

Chi Square= 0

Number = 1181

0 = 118

1 = 118

2 = 118

3 = 118

4 = 118

5 = 118

6 = 118

7 = 118

8 = 118

9 = 118

Chi Square= 0

Number = 1291

0 = 129

1 = 129

2 = 129

3 = 129

4 = 129

5 = 129

6 = 129

7 = 129

8 = 129

9 = 129

Chi Square= 0

Number = 1301

0 = 130

1 = 130

2 = 130

3 = 130

4 = 130

5 = 130

6 = 130

7 = 130

8 = 130

9 = 130

Chi Square= 0

Number = 1381

0 = 138

1 = 138

2 = 138

3 = 138

4 = 138

5 = 138

6 = 138

7 = 138

8 = 138

9 = 138

Chi Square= 0

Number = 1531

0 = 153

1 = 153

2 = 153

3 = 153

4 = 153

5 = 153

6 = 153

7 = 153

8 = 153

9 = 153

Chi Square= 0

Number = 1571

0 = 157

1 = 157

2 = 157

3 = 157

4 = 157

5 = 157

6 = 157

7 = 157

8 = 157

9 = 157

Chi Square= 0

Number = 1621

0 = 162

1 = 162

2 = 162

3 = 162

4 = 162

5 = 162

6 = 162

7 = 162

8 = 162

9 = 162

Chi Square= 0

Number = 1741

0 = 174

1 = 174

2 = 174

3 = 174

4 = 174

5 = 174

6 = 174

7 = 174

8 = 174

9 = 174

Chi Square= 0

Number = 1811

0 = 181

1 = 181

2 = 181

3 = 181

4 = 181

5 = 181

6 = 181

7 = 181

8 = 181

9 = 181

Chi Square= 0

Number = 1861

0 = 186

1 = 186

2 = 186

3 = 186

4 = 186

5 = 186

6 = 186

7 = 186

8 = 186

9 = 186

Chi Square= 0

Number = 2141

0 = 214

1 = 214

2 = 214

3 = 214

4 = 214

5 = 214

6 = 214

7 = 214

8 = 214

9 = 214

Chi Square= 0

Number = 2221

0 = 222

1 = 222

2 = 222

3 = 222

4 = 222

5 = 222

6 = 222

7 = 222

8 = 222

9 = 222

Chi Square= 0

Number = 2251

0 = 225

1 = 225

2 = 225

3 = 225

4 = 225

5 = 225

6 = 225

7 = 225

8 = 225

9 = 225

Chi Square= 0

Number = 2341

0 = 234

1 = 234

2 = 234

3 = 234

4 = 234

5 = 234

6 = 234

7 = 234

8 = 234

9 = 234

Chi Square= 0

Number = 2371

0 = 237

1 = 237

2 = 237

3 = 237

4 = 237

5 = 237

6 = 237

7 = 237

8 = 237

9 = 237

Chi Square= 0

Number = 2411

0 = 241

1 = 241

2 = 241

3 = 241

4 = 241

5 = 241

6 = 241

7 = 241

8 = 241

9 = 241

Chi Square= 0

Number = 2621

0 = 262

1 = 262

2 = 262

3 = 262

4 = 262

5 = 262

6 = 262

7 = 262

8 = 262

9 = 262

Chi Square= 0

Number = 2731

0 = 273

1 = 273

2 = 273

3 = 273

4 = 273

5 = 273

6 = 273

7 = 273

8 = 273

9 = 273

Chi Square= 0

Number = 2741

0 = 274

1 = 274

2 = 274

3 = 274

4 = 274

5 = 274

6 = 274

7 = 274

8 = 274

9 = 274

Chi Square= 0

Number = 2851

0 = 285

1 = 285

2 = 285

3 = 285

4 = 285

5 = 285

6 = 285

7 = 285

8 = 285

9 = 285

Chi Square= 0

Number = 2861

0 = 286

1 = 286

2 = 286

3 = 286

4 = 286

5 = 286

6 = 286

7 = 286

8 = 286

9 = 286

Chi Square= 0

Number = 2971

0 = 297

1 = 297

2 = 297

3 = 297

4 = 297

5 = 297

6 = 297

7 = 297

8 = 297

9 = 297

Chi Square= 0

Number = 3011

0 = 301

1 = 301

2 = 301

3 = 301

4 = 301

5 = 301

6 = 301

7 = 301

8 = 301

9 = 301

Chi Square= 0

Number = 3221

0 = 322

1 = 322

2 = 322

3 = 322

4 = 322

5 = 322

6 = 322

7 = 322

8 = 322

9 = 322

Chi Square= 0

Number = 3251

0 = 325

1 = 325

2 = 325

3 = 325

4 = 325

5 = 325

6 = 325

7 = 325

8 = 325

9 = 325

Chi Square= 0

Number = 3301

0 = 330

1 = 330

2 = 330

3 = 330

4 = 330

5 = 330

6 = 330

7 = 330

8 = 330

9 = 330

Chi Square= 0

Number = 3331

0 = 333

1 = 333

2 = 333

3 = 333

4 = 333

5 = 333

6 = 333

7 = 333

8 = 333

9 = 333

Chi Square= 0

Number = 3371

0 = 337

1 = 337

2 = 337

3 = 337

4 = 337

5 = 337

6 = 337

7 = 337

8 = 337

9 = 337

Chi Square= 0

Number = 3461

0 = 346

1 = 346

2 = 346

3 = 346

4 = 346

5 = 346

6 = 346

7 = 346

8 = 346

9 = 346

Chi Square= 0

Number = 3571

0 = 357

1 = 357

2 = 357

3 = 357

4 = 357

5 = 357

6 = 357

7 = 357

8 = 357

9 = 357

Chi Square= 0

Number = 3581

0 = 358

1 = 358

2 = 358

3 = 358

4 = 358

5 = 358

6 = 358

7 = 358

8 = 358

9 = 358

Chi Square= 0

Number = 3701

0 = 370

1 = 370

2 = 370

3 = 370

4 = 370

5 = 370

6 = 370

7 = 370

8 = 370

9 = 370

Chi Square= 0

Number = 3821

0 = 382

1 = 382

2 = 382

3 = 382

4 = 382

5 = 382

6 = 382

7 = 382

8 = 382

9 = 382

Chi Square= 0

Number = 4051

0 = 405

1 = 405

2 = 405

3 = 405

4 = 405

5 = 405

6 = 405

7 = 405

8 = 405

9 = 405

Chi Square= 0

Number = 4091

0 = 409

1 = 409

2 = 409

3 = 409

4 = 409

5 = 409

6 = 409

7 = 409

8 = 409

9 = 409

Chi Square= 0

Number = 4211

0 = 421

1 = 421

2 = 421

3 = 421

4 = 421

5 = 421

6 = 421

7 = 421

8 = 421

9 = 421

Chi Square= 0

Number = 4261

0 = 426

1 = 426

2 = 426

3 = 426

4 = 426

5 = 426

6 = 426

7 = 426

8 = 426

9 = 426

Chi Square= 0

Number = 4421

0 = 442

1 = 442

2 = 442

3 = 442

4 = 442

5 = 442

6 = 442

7 = 442

8 = 442

9 = 442

Chi Square= 0

Number = 4451

0 = 445

1 = 445

2 = 445

3 = 445

4 = 445

5 = 445

6 = 445

7 = 445

8 = 445

9 = 445

Chi Square= 0

Number = 4651

0 = 465

1 = 465

2 = 465

3 = 465

4 = 465

5 = 465

6 = 465

7 = 465

8 = 465

9 = 465

Chi Square= 0

Number = 4691

0 = 469

1 = 469

2 = 469

3 = 469

4 = 469

5 = 469

6 = 469

7 = 469

8 = 469

9 = 469

Chi Square= 0

Number = 4931

0 = 493

1 = 493

2 = 493

3 = 493

4 = 493

5 = 493

6 = 493

7 = 493

8 = 493

9 = 493

Chi Square= 0

Number = 5021

0 = 502

1 = 502

2 = 502

3 = 502

4 = 502

5 = 502

6 = 502

7 = 502

8 = 502

9 = 502

Chi Square= 0

Number = 5381

0 = 538

1 = 538

2 = 538

3 = 538

4 = 538

5 = 538

6 = 538

7 = 538

8 = 538

9 = 538

Chi Square= 0

Number = 5501

0 = 550

1 = 550

2 = 550

3 = 550

4 = 550

5 = 550

6 = 550

7 = 550

8 = 550

9 = 550

Chi Square= 0

Number = 5531

0 = 553

1 = 553

2 = 553

3 = 553

4 = 553

5 = 553

6 = 553

7 = 553

8 = 553

9 = 553

Chi Square= 0

Number = 5581

0 = 558

1 = 558

2 = 558

3 = 558

4 = 558

5 = 558

6 = 558

7 = 558

8 = 558

9 = 558

Chi Square= 0

Number = 5651

0 = 565

1 = 565

2 = 565

3 = 565

4 = 565

5 = 565

6 = 565

7 = 565

8 = 565

9 = 565

Chi Square= 0

Number = 5701

0 = 570

1 = 570

2 = 570

3 = 570

4 = 570

5 = 570

6 = 570

7 = 570

8 = 570

9 = 570

Chi Square= 0

Number = 5741

0 = 574

1 = 574

2 = 574

3 = 574

4 = 574

5 = 574

6 = 574

7 = 574

8 = 574

9 = 574

Chi Square= 0

Number = 5821

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1 = 582

2 = 582

3 = 582

4 = 582

5 = 582

6 = 582

7 = 582

8 = 582

9 = 582

Chi Square= 0

Number = 5861

0 = 586

1 = 586

2 = 586

3 = 586

4 = 586

5 = 586

6 = 586

7 = 586

8 = 586

9 = 586

Chi Square= 0

Number = 5981

0 = 598

1 = 598

2 = 598

3 = 598

4 = 598

5 = 598

6 = 598

7 = 598

8 = 598

9 = 598

Chi Square= 0

Number = 6011

0 = 601

1 = 601

2 = 601

3 = 601

4 = 601

5 = 601

6 = 601

7 = 601

8 = 601

9 = 601

Chi Square= 0

Number = 6131

0 = 613

1 = 613

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3 = 613

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5 = 613

6 = 613

7 = 613

8 = 613

9 = 613

Chi Square= 0

Number = 6211

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1 = 621

2 = 621

3 = 621

4 = 621

5 = 621

6 = 621

7 = 621

8 = 621

9 = 621

Chi Square= 0

Number = 6221

0 = 622

1 = 622

2 = 622

3 = 622

4 = 622

5 = 622

6 = 622

7 = 622

8 = 622

9 = 622

Chi Square= 0

Number = 6301

0 = 630

1 = 630

2 = 630

3 = 630

4 = 630

5 = 630

6 = 630

7 = 630

8 = 630

9 = 630

Chi Square= 0

Number = 6571

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1 = 657

2 = 657

3 = 657

4 = 657

5 = 657

6 = 657

7 = 657

8 = 657

9 = 657

Chi Square= 0

Number = 6661

0 = 666

1 = 666

2 = 666

3 = 666

4 = 666

5 = 666

6 = 666

7 = 666

8 = 666

9 = 666

Chi Square= 0

Number = 6691

0 = 669

1 = 669

2 = 669

3 = 669

4 = 669

5 = 669

6 = 669

7 = 669

8 = 669

9 = 669

Chi Square= 0

Number = 6701

0 = 670

1 = 670

2 = 670

3 = 670

4 = 670

5 = 670

6 = 670

7 = 670

8 = 670

9 = 670

Chi Square= 0

Number = 6971

0 = 697

1 = 697

2 = 697

3 = 697

4 = 697

5 = 697

6 = 697

7 = 697

8 = 697

9 = 697

Chi Square= 0

Number = 7411

0 = 741

1 = 741

2 = 741

3 = 741

4 = 741

5 = 741

6 = 741

7 = 741

8 = 741

9 = 741

Chi Square= 0

Number = 7451

0 = 745

1 = 745

2 = 745

3 = 745

4 = 745

5 = 745

6 = 745

7 = 745

8 = 745

9 = 745

Chi Square= 0

Number = 7541

0 = 754

1 = 754

2 = 754

3 = 754

4 = 754

5 = 754

6 = 754

7 = 754

8 = 754

9 = 754

Chi Square= 0

Number = 7691

0 = 769

1 = 769

2 = 769

3 = 769

4 = 769

5 = 769

6 = 769

7 = 769

8 = 769

9 = 769

Chi Square= 0

Number = 7901

0 = 790

1 = 790

2 = 790

3 = 790

4 = 790

5 = 790

6 = 790

7 = 790

8 = 790

9 = 790

Chi Square= 0

Number = 8171

0 = 817

1 = 817

2 = 817

3 = 817

4 = 817

5 = 817

6 = 817

7 = 817

8 = 817

9 = 817

Chi Square= 0

Number = 8291

0 = 829

1 = 829

2 = 829

3 = 829

4 = 829

5 = 829

6 = 829

7 = 829

8 = 829

9 = 829

Chi Square= 0

Number = 8501

0 = 850

1 = 850

2 = 850

3 = 850

4 = 850

5 = 850

6 = 850

7 = 850

8 = 850

9 = 850

Chi Square= 0

Number = 8731

0 = 873

1 = 873

2 = 873

3 = 873

4 = 873

5 = 873

6 = 873

7 = 873

8 = 873

9 = 873

Chi Square= 0

Number = 8741

0 = 874

1 = 874

2 = 874

3 = 874

4 = 874

5 = 874

6 = 874

7 = 874

8 = 874

9 = 874

Chi Square= 0

Number = 8821

0 = 882

1 = 882

2 = 882

3 = 882

4 = 882

5 = 882

6 = 882

7 = 882

8 = 882

9 = 882

Chi Square= 0

Number = 8861

0 = 886

1 = 886

2 = 886

3 = 886

4 = 886

5 = 886

6 = 886

7 = 886

8 = 886

9 = 886

Chi Square= 0

Number = 8971

0 = 897

1 = 897

2 = 897

3 = 897

4 = 897

5 = 897

6 = 897

7 = 897

8 = 897

9 = 897

Chi Square= 0

Number = 9011

0 = 901

1 = 901

2 = 901

3 = 901

4 = 901

5 = 901

6 = 901

7 = 901

8 = 901

9 = 901

Chi Square= 0

Number = 9221

0 = 922

1 = 922

2 = 922

3 = 922

4 = 922

5 = 922

6 = 922

7 = 922

8 = 922

9 = 922

Chi Square= 0

Number = 9341

0 = 934

1 = 934

2 = 934

3 = 934

4 = 934

5 = 934

6 = 934

7 = 934

8 = 934

9 = 934

Chi Square= 0

Number = 9371

0 = 937

1 = 937

2 = 937

3 = 937

4 = 937

5 = 937

6 = 937

7 = 937

8 = 937

9 = 937

Chi Square= 0

Number = 9421

0 = 942

1 = 942

2 = 942

3 = 942

4 = 942

5 = 942

6 = 942

7 = 942

8 = 942

9 = 942

Chi Square= 0

Number = 9461

0 = 946

1 = 946

2 = 946

3 = 946

4 = 946

5 = 946

6 = 946

7 = 946

8 = 946

9 = 946

Chi Square= 0

Number = 9491

0 = 949

1 = 949

2 = 949

3 = 949

4 = 949

5 = 949

6 = 949

7 = 949

8 = 949

9 = 949

Chi Square= 0

Number = 9781

0 = 978

1 = 978

2 = 978

3 = 978

4 = 978

5 = 978

6 = 978

7 = 978

8 = 978

9 = 978

Chi Square= 0

Number = 9811

0 = 981

1 = 981

2 = 981

3 = 981

4 = 981

5 = 981

6 = 981

7 = 981

8 = 981

9 = 981

Chi Square= 0

Number = 9851

0 = 985

1 = 985

2 = 985

3 = 985

4 = 985

5 = 985

6 = 985

7 = 985

8 = 985

9 = 985

Chi Square= 0

Number = 9931

0 = 993

1 = 993

2 = 993

3 = 993

4 = 993

5 = 993

6 = 993

7 = 993

8 = 993

9 = 993

Chi Square= 0

Number = 23

0 = 2

1 = 2

2 = 2

3 = 3 + 1

4 = 2

5 = 2

6 = 3 + 1

7 = 2

8 = 2

9 = 2

Chi Square= .7272726

Number = 113

0 = 11

1 = 11

2 = 11

3 = 12 + 1

4 = 11

5 = 11

6 = 12 + 1

7 = 11

8 = 11

9 = 11

Chi Square= .1428571

Number = 193

0 = 19

1 = 19

2 = 19

3 = 20 + 1

4 = 19

5 = 19

6 = 20 + 1

7 = 19

8 = 19

9 = 19

Chi Square= 8.333333E-02

Number = 223

0 = 22

1 = 22

2 = 22

3 = 23 + 1

4 = 22

5 = 22

6 = 23 + 1

7 = 22

8 = 22

9 = 22

Chi Square= 7.207207E-02

Number = 233

0 = 23

1 = 23

2 = 23

3 = 24 + 1

4 = 23

5 = 23

6 = 24 + 1

7 = 23

8 = 23

9 = 23

Chi Square= 6.896552E-02

Number = 263

0 = 26

1 = 26

2 = 26

3 = 27 + 1

4 = 26

5 = 26

6 = 27 + 1

7 = 26

8 = 26

9 = 26

Chi Square= .0610687

Number = 313

0 = 31

1 = 31

2 = 31

3 = 32 + 1

4 = 31

5 = 31

6 = 32 + 1

7 = 31

8 = 31

9 = 31

Chi Square= 5.128205E-02

Number = 383

0 = 38

1 = 38

2 = 38

3 = 39 + 1

4 = 38

5 = 38

6 = 39 + 1

7 = 38

8 = 38

9 = 38

Chi Square= 4.188482E-02

Number = 433

0 = 43

1 = 43

2 = 43

3 = 44 + 1

4 = 43

5 = 43

6 = 44 + 1

7 = 43

8 = 43

9 = 43

Chi Square= 3.703704E-02

Number = 503

0 = 50

1 = 50

2 = 50

3 = 51 + 1

4 = 50

5 = 50

6 = 51 + 1

7 = 50

8 = 50

9 = 50

Chi Square= 3.187251E-02

Number = 593

0 = 59

1 = 59

2 = 59

3 = 60 + 1

4 = 59

5 = 59

6 = 60 + 1

7 = 59

8 = 59

9 = 59

Chi Square= 2.702703E-02

Number = 743

0 = 74

1 = 74

2 = 74

3 = 75 + 1

4 = 74

5 = 74

6 = 75 + 1

7 = 74

8 = 74

9 = 74

Chi Square= 2.156334E-02

Number = 823

0 = 82

1 = 82

2 = 82

3 = 83 + 1

4 = 82

5 = 82

6 = 83 + 1

7 = 82

8 = 82

9 = 82

Chi Square= 1.946472E-02

Number = 863

0 = 86

1 = 86

2 = 86

3 = 87 + 1

4 = 86

5 = 86

6 = 87 + 1

7 = 86

8 = 86

9 = 86

Chi Square= 1.856149E-02

Number = 953

0 = 95

1 = 95

2 = 95

3 = 96 + 1

4 = 95

5 = 95

6 = 96 + 1

7 = 95

8 = 95

9 = 95

Chi Square= 1.680672E-02

Number = 983

0 = 98

1 = 98

2 = 98

3 = 99 + 1

4 = 98

5 = 98

6 = 99 + 1

7 = 98

8 = 98

9 = 98

Chi Square= 1.629328E-02

Number = 1033

0 = 103

1 = 103

2 = 103

3 = 104 + 1

4 = 103

5 = 103

6 = 104 + 1

7 = 103

8 = 103

9 = 103

Chi Square= 1.550388E-02

Number = 1063

0 = 106

1 = 106

2 = 106

3 = 107 + 1

4 = 106

5 = 106

6 = 107 + 1

7 = 106

8 = 106

9 = 106

Chi Square= 1.506591E-02

Number = 1103

0 = 110

1 = 110

2 = 110

3 = 111 + 1

4 = 110

5 = 110

6 = 111 + 1

7 = 110

8 = 110

9 = 110

Chi Square= 1.451906E-02

Number = 1153

0 = 115

1 = 115

2 = 115

3 = 116 + 1

4 = 115

5 = 115

6 = 116 + 1

7 = 115

8 = 115

9 = 115

Chi Square= 1.388889E-02

Number = 1193

0 = 119

1 = 119

2 = 119

3 = 120 + 1

4 = 119

5 = 119

6 = 120 + 1

7 = 119

8 = 119

9 = 119

Chi Square= 1.342282E-02

Number = 1223

0 = 122

1 = 122

2 = 122

3 = 123 + 1

4 = 122

5 = 122

6 = 123 + 1

7 = 122

8 = 122

9 = 122

Chi Square= 1.309329E-02

Number = 1303

0 = 130

1 = 130

2 = 130

3 = 131 + 1

4 = 130

5 = 130

6 = 131 + 1

7 = 130

8 = 130

9 = 130

Chi Square= 1.228879E-02

Number = 1433

0 = 143

1 = 143

2 = 143

3 = 144 + 1

4 = 143

5 = 143

6 = 144 + 1

7 = 143

8 = 143

9 = 143

Chi Square= 1.117318E-02

Number = 1543

0 = 154

1 = 154

2 = 154

3 = 155 + 1

4 = 154

5 = 154

6 = 155 + 1

7 = 154

8 = 154

9 = 154

Chi Square= 1.037613E-02

Number = 1553

0 = 155

1 = 155

2 = 155

3 = 156 + 1

4 = 155

5 = 155

6 = 156 + 1

7 = 155

8 = 155

9 = 155

Chi Square= 1.030928E-02

Number = 1583

0 = 158

1 = 158

2 = 158

3 = 159 + 1

4 = 158

5 = 158

6 = 159 + 1

7 = 158

8 = 158

9 = 158

Chi Square= 1.011378E-02

Number = 1663

0 = 166

1 = 166

2 = 166

3 = 167 + 1

4 = 166

5 = 166

6 = 167 + 1

7 = 166

8 = 166

9 = 166

Chi Square= 9.626956E-03

Number = 1783

0 = 178

1 = 178

2 = 178

3 = 179 + 1

4 = 178

5 = 178

6 = 179 + 1

7 = 178

8 = 178

9 = 178

Chi Square= 8.978676E-03

Number = 1823

0 = 182

1 = 182

2 = 182

3 = 183 + 1

4 = 182

5 = 182

6 = 183 + 1

7 = 182

8 = 182

9 = 182

Chi Square= 8.781559E-03

Number = 1873

0 = 187

1 = 187

2 = 187

3 = 188 + 1

4 = 187

5 = 187

6 = 188 + 1

7 = 187

8 = 187

9 = 187

Chi Square= 8.547009E-03

Number = 1913

0 = 191

1 = 191

2 = 191

3 = 192 + 1

4 = 191

5 = 191

6 = 192 + 1

7 = 191

8 = 191

9 = 191

Chi Square= 8.368202E-03

Number = 2063

0 = 206

1 = 206

2 = 206

3 = 207 + 1

4 = 206

5 = 206

6 = 207 + 1

7 = 206

8 = 206

9 = 206

Chi Square= 7.759457E-03

Number = 2113

0 = 211

1 = 211

2 = 211

3 = 212 + 1

4 = 211

5 = 211

6 = 212 + 1

7 = 211

8 = 211

9 = 211

Chi Square= 7.575758E-03

Number = 2143

0 = 214

1 = 214

2 = 214

3 = 215 + 1

4 = 214

5 = 214

6 = 215 + 1

7 = 214

8 = 214

9 = 214

Chi Square= 7.469655E-03

Number = 2153

0 = 215

1 = 215

2 = 215

3 = 216 + 1

4 = 215

5 = 215

6 = 216 + 1

7 = 215

8 = 215

9 = 215

Chi Square= 7.434945E-03

Number = 2273

0 = 227

1 = 227

2 = 227

3 = 228 + 1

4 = 227

5 = 227

6 = 228 + 1

7 = 227

8 = 227

9 = 227

Chi Square= 7.042254E-03

Number = 2383

0 = 238

1 = 238

2 = 238

3 = 239 + 1

4 = 238

5 = 238

6 = 239 + 1

7 = 238

8 = 238

9 = 238

Chi Square= 6.717045E-03

Number = 2423

0 = 242

1 = 242

2 = 242

3 = 243 + 1

4 = 242

5 = 242

6 = 243 + 1

7 = 242

8 = 242

9 = 242

Chi Square= 6.606111E-03

Number = 2473

0 = 247

1 = 247

2 = 247

3 = 248 + 1

4 = 247

5 = 247

6 = 248 + 1

7 = 247

8 = 247

9 = 247

Chi Square= 6.472492E-03

Number = 2543

0 = 254

1 = 254

2 = 254

3 = 255 + 1

4 = 254

5 = 254

6 = 255 + 1

7 = 254

8 = 254

9 = 254

Chi Square= 6.294257E-03

Number = 2593

0 = 259

1 = 259

2 = 259

3 = 260 + 1

4 = 259

5 = 259

6 = 260 + 1

7 = 259

8 = 259

9 = 259

Chi Square= 6.172839E-03

Number = 2633

0 = 263

1 = 263

2 = 263

3 = 264 + 1

4 = 263

5 = 263

6 = 264 + 1

7 = 263

8 = 263

9 = 263

Chi Square= 6.079026E-03

Number = 2663

0 = 266

1 = 266

2 = 266

3 = 267 + 1

4 = 266

5 = 266

6 = 267 + 1

7 = 266

8 = 266

9 = 266

Chi Square= 6.010518E-03

Number = 2713

0 = 271

1 = 271

2 = 271

3 = 272 + 1

4 = 271

5 = 271

6 = 272 + 1

7 = 271

8 = 271

9 = 271

Chi Square= 5.899705E-03

Number = 2753

0 = 275

1 = 275

2 = 275

3 = 276 + 1

4 = 275

5 = 275

6 = 276 + 1

7 = 275

8 = 275

9 = 275

Chi Square= 5.813953E-03

Number = 2833

0 = 283

1 = 283

2 = 283

3 = 284 + 1

4 = 283

5 = 283

6 = 284 + 1

7 = 283

8 = 283

9 = 283

Chi Square= 5.649717E-03

Number = 2903

0 = 290

1 = 290

2 = 290

3 = 291 + 1

4 = 290

5 = 290

6 = 291 + 1

7 = 290

8 = 290

9 = 290

Chi Square= 5.513438E-03

Number = 3023

0 = 302

1 = 302

2 = 302

3 = 303 + 1

4 = 302

5 = 302

6 = 303 + 1

7 = 302

8 = 302

9 = 302

Chi Square= 5.294506E-03

Number = 3313

0 = 331

1 = 331

2 = 331

3 = 332 + 1

4 = 331

5 = 331

6 = 332 + 1

7 = 331

8 = 331

9 = 331

Chi Square= 4.830917E-03

Number = 3343

0 = 334

1 = 334

2 = 334

3 = 335 + 1

4 = 334

5 = 334

6 = 335 + 1

7 = 334

8 = 334

9 = 334

Chi Square= 4.787552E-03

Number = 3433

0 = 343

1 = 343

2 = 343

3 = 344 + 1

4 = 343

5 = 343

6 = 344 + 1

7 = 343

8 = 343

9 = 343

Chi Square= 4.662004E-03

Number = 3463

0 = 346

1 = 346

2 = 346

3 = 347 + 1

4 = 346

5 = 346

6 = 347 + 1

7 = 346

8 = 346

9 = 346

Chi Square= 4.621605E-03

Number = 3593

0 = 359

1 = 359

2 = 359

3 = 360 + 1

4 = 359

5 = 359

6 = 360 + 1

7 = 359

8 = 359

9 = 359

Chi Square= 4.454343E-03

Number = 3623

0 = 362

1 = 362

2 = 362

3 = 363 + 1

4 = 362

5 = 362

6 = 363 + 1

7 = 362

8 = 362

9 = 362

Chi Square= 4.417448E-03

Number = 3673

0 = 367

1 = 367

2 = 367

3 = 368 + 1

4 = 367

5 = 367

6 = 368 + 1

7 = 367

8 = 367

9 = 367

Chi Square= 4.357298E-03

Number = 3833

0 = 383

1 = 383

2 = 383

3 = 384 + 1

4 = 383

5 = 383

6 = 384 + 1

7 = 383

8 = 383

9 = 383

Chi Square= 4.175365E-03

Number = 3863

0 = 386

1 = 386

2 = 386

3 = 387 + 1

4 = 386

5 = 386

6 = 387 + 1

7 = 386

8 = 386

9 = 386

Chi Square= 4.142931E-03

Number = 3943

0 = 394

1 = 394

2 = 394

3 = 395 + 1

4 = 394

5 = 394

6 = 395 + 1

7 = 394

8 = 394

9 = 394

Chi Square= 4.058853E-03

Number = 4073

0 = 407

1 = 407

2 = 407

3 = 408 + 1

4 = 407

5 = 407

6 = 408 + 1

7 = 407

8 = 407

9 = 407

Chi Square= 3.929273E-03

Number = 4153

0 = 415

1 = 415

2 = 415

3 = 416 + 1

4 = 415

5 = 415

6 = 416 + 1

7 = 415

8 = 415

9 = 415

Chi Square= 3.853564E-03

Number = 4423

0 = 442

1 = 442

2 = 442

3 = 443 + 1

4 = 442

5 = 442

6 = 443 + 1

7 = 442

8 = 442

9 = 442

Chi Square= 3.618272E-03

Number = 4463

0 = 446

1 = 446

2 = 446

3 = 447 + 1

4 = 446

5 = 446

6 = 447 + 1

7 = 446

8 = 446

9 = 446

Chi Square= 3.585836E-03

Number = 4583

0 = 458

1 = 458

2 = 458

3 = 459 + 1

4 = 458

5 = 458

6 = 459 + 1

7 = 458

8 = 458

9 = 458

Chi Square= 3.491925E-03

Number = 4673

0 = 467

1 = 467

2 = 467

3 = 468 + 1

4 = 467

5 = 467

6 = 468 + 1

7 = 467

8 = 467

9 = 467

Chi Square= 3.424657E-03

Number = 4703

0 = 470

1 = 470

2 = 470

3 = 471 + 1

4 = 470

5 = 470

6 = 471 + 1

7 = 470

8 = 470

9 = 470

Chi Square= 3.402807E-03

Number = 4783

0 = 478

1 = 478

2 = 478

3 = 479 + 1

4 = 478

5 = 478

6 = 479 + 1

7 = 478

8 = 478

9 = 478

Chi Square= 3.34588E-03

Number = 4793

0 = 479

1 = 479

2 = 479

3 = 480 + 1

4 = 479

5 = 479

6 = 480 + 1

7 = 479

8 = 479

9 = 479

Chi Square= 3.338898E-03

Number = 4943

0 = 494

1 = 494

2 = 494

3 = 495 + 1

4 = 494

5 = 494

6 = 495 + 1

7 = 494

8 = 494

9 = 494

Chi Square= 3.237555E-03

Number = 5153

0 = 515

1 = 515

2 = 515

3 = 516 + 1

4 = 515

5 = 515

6 = 516 + 1

7 = 515

8 = 515

9 = 515

Chi Square= 3.10559E-03

Number = 5233

0 = 523

1 = 523

2 = 523

3 = 524 + 1

4 = 523

5 = 523

6 = 524 + 1

7 = 523

8 = 523

9 = 523

Chi Square= 3.058104E-03

Number = 5273

0 = 527

1 = 527

2 = 527

3 = 528 + 1

4 = 527

5 = 527

6 = 528 + 1

7 = 527

8 = 527

9 = 527

Chi Square= 3.034901E-03

Number = 5303

0 = 530

1 = 530

2 = 530

3 = 531 + 1

4 = 530

5 = 530

6 = 531 + 1

7 = 530

8 = 530

9 = 530

Chi Square= 3.017729E-03

Number = 5393

0 = 539

1 = 539

2 = 539

3 = 540 + 1

4 = 539

5 = 539

6 = 540 + 1

7 = 539

8 = 539

9 = 539

Chi Square= 2.967359E-03

Number = 5503

0 = 550

1 = 550

2 = 550

3 = 551 + 1

4 = 550

5 = 550

6 = 551 + 1

7 = 550

8 = 550

9 = 550

Chi Square= 2.908033E-03

Number = 5623

0 = 562

1 = 562

2 = 562

3 = 563 + 1

4 = 562

5 = 562

6 = 563 + 1

7 = 562

8 = 562

9 = 562

Chi Square= 2.845962E-03

Number = 5743

0 = 574

1 = 574

2 = 574

3 = 575 + 1

4 = 574

5 = 574

6 = 575 + 1

7 = 574

8 = 574

9 = 574

Chi Square= 2.786485E-03

Number = 5783

0 = 578

1 = 578

2 = 578

3 = 579 + 1

4 = 578

5 = 578

6 = 579 + 1

7 = 578

8 = 578

9 = 578

Chi Square= 2.767208E-03

Number = 5903

0 = 590

1 = 590

2 = 590

3 = 591 + 1

4 = 590

5 = 590

6 = 591 + 1

7 = 590

8 = 590

9 = 590

Chi Square= 2.710945E-03

Number = 6073

0 = 607

1 = 607

2 = 607

3 = 608 + 1

4 = 607

5 = 607

6 = 608 + 1

7 = 607

8 = 607

9 = 607

Chi Square= 2.635046E-03

Number = 6113

0 = 611

1 = 611

2 = 611

3 = 612 + 1

4 = 611

5 = 611

6 = 612 + 1

7 = 611

8 = 611

9 = 611

Chi Square= 2.617801E-03

Number = 6143

0 = 614

1 = 614

2 = 614

3 = 615 + 1

4 = 614

5 = 614

6 = 615 + 1

7 = 614

8 = 614

9 = 614

Chi Square= 2.605014E-03

Number = 6263

0 = 626

1 = 626

2 = 626

3 = 627 + 1

4 = 626

5 = 626

6 = 627 + 1

7 = 626

8 = 626

9 = 626

Chi Square= 2.555094E-03

Number = 6343

0 = 634

1 = 634

2 = 634

3 = 635 + 1

4 = 634

5 = 634

6 = 635 + 1

7 = 634

8 = 634

9 = 634

Chi Square= 2.522863E-03

Number = 6353

0 = 635

1 = 635

2 = 635

3 = 636 + 1

4 = 635

5 = 635

6 = 636 + 1

7 = 635

8 = 635

9 = 635

Chi Square= 2.518892E-03

Number = 6473

0 = 647

1 = 647

2 = 647

3 = 648 + 1

4 = 647

5 = 647

6 = 648 + 1

7 = 647

8 = 647

9 = 647

Chi Square= 2.472188E-03

Number = 6553

0 = 655

1 = 655

2 = 655

3 = 656 + 1

4 = 655

5 = 655

6 = 656 + 1

7 = 655

8 = 655

9 = 655

Chi Square= 2.442002E-03

Number = 6673

0 = 667

1 = 667

2 = 667

3 = 668 + 1

4 = 667

5 = 667

6 = 668 + 1

7 = 667

8 = 667

9 = 667

Chi Square= 2.398081E-03

Number = 6703

0 = 670

1 = 670

2 = 670

3 = 671 + 1

4 = 670

5 = 670

6 = 671 + 1

7 = 670

8 = 670

9 = 670

Chi Square= 2.387347E-03

Number = 6793

0 = 679

1 = 679

2 = 679

3 = 680 + 1

4 = 679

5 = 679

6 = 680 + 1

7 = 679

8 = 679

9 = 679

Chi Square= 2.355712E-03

Number = 6823

0 = 682

1 = 682

2 = 682

3 = 683 + 1

4 = 682

5 = 682

6 = 683 + 1

7 = 682

8 = 682

9 = 682

Chi Square= 2.345353E-03

Number = 6833

0 = 683

1 = 683

2 = 683

3 = 684 + 1

4 = 683

5 = 683

6 = 684 + 1

7 = 683

8 = 683

9 = 683

Chi Square= 2.34192E-03

Number = 6863

0 = 686

1 = 686

2 = 686

3 = 687 + 1

4 = 686

5 = 686

6 = 687 + 1

7 = 686

8 = 686

9 = 686

Chi Square= 2.331682E-03

Number = 6983

0 = 698

1 = 698

2 = 698

3 = 699 + 1

4 = 698

5 = 698

6 = 699 + 1

7 = 698

8 = 698

9 = 698

Chi Square= 2.291607E-03

Number = 7103

0 = 710

1 = 710

2 = 710

3 = 711 + 1

4 = 710

5 = 710

6 = 711 + 1

7 = 710

8 = 710

9 = 710

Chi Square= 2.252886E-03

Number = 7193

0 = 719

1 = 719

2 = 719

3 = 720 + 1

4 = 719

5 = 719

6 = 720 + 1

7 = 719

8 = 719

9 = 719

Chi Square= 2.224694E-03

Number = 7393

0 = 739

1 = 739

2 = 739

3 = 740 + 1

4 = 739

5 = 739

6 = 740 + 1

7 = 739

8 = 739

9 = 739

Chi Square= 2.164502E-03

Number = 7433

0 = 743

1 = 743

2 = 743

3 = 744 + 1

4 = 743

5 = 743

6 = 744 + 1

7 = 743

8 = 743

9 = 743

Chi Square= 2.152852E-03

Number = 7583

0 = 758

1 = 758

2 = 758

3 = 759 + 1

4 = 758

5 = 758

6 = 759 + 1

7 = 758

8 = 758

9 = 758

Chi Square= 2.110261E-03

Number = 7673

0 = 767

1 = 767

2 = 767

3 = 768 + 1

4 = 767

5 = 767

6 = 768 + 1

7 = 767

8 = 767

9 = 767

Chi Square= 2.085506E-03

Number = 7703

0 = 770

1 = 770

2 = 770

3 = 771 + 1

4 = 770

5 = 770

6 = 771 + 1

7 = 770

8 = 770

9 = 770

Chi Square= 2.077382E-03

Number = 7753

0 = 775

1 = 775

2 = 775

3 = 776 + 1

4 = 775

5 = 775

6 = 776 + 1

7 = 775

8 = 775

9 = 775

Chi Square= 2.063983E-03

Number = 7793

0 = 779

1 = 779

2 = 779

3 = 780 + 1

4 = 779

5 = 779

6 = 780 + 1

7 = 779

8 = 779

9 = 779

Chi Square= 2.053388E-03

Number = 7823

0 = 782

1 = 782

2 = 782

3 = 783 + 1

4 = 782

5 = 782

6 = 783 + 1

7 = 782

8 = 782

9 = 782

Chi Square= 2.045512E-03

Number = 7873

0 = 787

1 = 787

2 = 787

3 = 788 + 1

4 = 787

5 = 787

6 = 788 + 1

7 = 787

8 = 787

9 = 787

Chi Square= 2.03252E-03

Number = 8233

0 = 823

1 = 823

2 = 823

3 = 824 + 1

4 = 823

5 = 823

6 = 824 + 1

7 = 823

8 = 823

9 = 823

Chi Square= 1.943634E-03

Number = 8263

0 = 826

1 = 826

2 = 826

3 = 827 + 1

4 = 826

5 = 826

6 = 827 + 1

7 = 826

8 = 826

9 = 826

Chi Square= 1.936577E-03

Number = 8273

0 = 827

1 = 827

2 = 827

3 = 828 + 1

4 = 827

5 = 827

6 = 828 + 1

7 = 827

8 = 827

9 = 827

Chi Square= 1.934236E-03

Number = 8353

0 = 835

1 = 835

2 = 835

3 = 836 + 1

4 = 835

5 = 835

6 = 836 + 1

7 = 835

8 = 835

9 = 835

Chi Square= 1.915709E-03

Number = 8423

0 = 842

1 = 842

2 = 842

3 = 843 + 1

4 = 842

5 = 842

6 = 843 + 1

7 = 842

8 = 842

9 = 842

Chi Square= 1.899786E-03

Number = 8513

0 = 851

1 = 851

2 = 851

3 = 852 + 1

4 = 851

5 = 851

6 = 852 + 1

7 = 851

8 = 851

9 = 851

Chi Square= 1.879699E-03

Number = 8543

0 = 854

1 = 854

2 = 854

3 = 855 + 1

4 = 854

5 = 854

6 = 855 + 1

7 = 854

8 = 854

9 = 854

Chi Square= 1.873097E-03

Number = 8623

0 = 862

1 = 862

2 = 862

3 = 863 + 1

4 = 862

5 = 862

6 = 863 + 1

7 = 862

8 = 862

9 = 862

Chi Square= 1.855718E-03

Number = 8663

0 = 866

1 = 866

2 = 866

3 = 867 + 1

4 = 866

5 = 866

6 = 867 + 1

7 = 866

8 = 866

9 = 866

Chi Square= 1.847148E-03

Number = 8713

0 = 871

1 = 871

2 = 871

3 = 872 + 1

4 = 871

5 = 871

6 = 872 + 1

7 = 871

8 = 871

9 = 871

Chi Square= 1.836547E-03

Number = 8753

0 = 875

1 = 875

2 = 875

3 = 876 + 1

4 = 875

5 = 875

6 = 876 + 1

7 = 875

8 = 875

9 = 875

Chi Square= 1.828153E-03

Number = 8783

0 = 878

1 = 878

2 = 878

3 = 879 + 1

4 = 878

5 = 878

6 = 879 + 1

7 = 878

8 = 878

9 = 878

Chi Square= 1.821908E-03

Number = 8863

0 = 886

1 = 886

2 = 886

3 = 887 + 1

4 = 886

5 = 886

6 = 887 + 1

7 = 886

8 = 886

9 = 886

Chi Square= 1.805461E-03

Number = 9103

0 = 910

1 = 910

2 = 910

3 = 911 + 1

4 = 910

5 = 910

6 = 911 + 1

7 = 910

8 = 910

9 = 910

Chi Square= 1.757855E-03

Number = 9343

0 = 934

1 = 934

2 = 934

3 = 935 + 1

4 = 934

5 = 934

6 = 935 + 1

7 = 934

8 = 934

9 = 934

Chi Square= 1.712695E-03

Number = 9473

0 = 947

1 = 947

2 = 947

3 = 948 + 1

4 = 947

5 = 947

6 = 948 + 1

7 = 947

8 = 947

9 = 947

Chi Square= 1.689189E-03

Number = 9623

0 = 962

1 = 962

2 = 962

3 = 963 + 1

4 = 962

5 = 962

6 = 963 + 1

7 = 962

8 = 962

9 = 962

Chi Square= 1.662856E-03

Number = 9743

0 = 974

1 = 974

2 = 974

3 = 975 + 1

4 = 974

5 = 974

6 = 975 + 1

7 = 974

8 = 974

9 = 974

Chi Square= 1.642373E-03

Number = 9833

0 = 983

1 = 983

2 = 983

3 = 984 + 1

4 = 983

5 = 983

6 = 984 + 1

7 = 983

8 = 983

9 = 983

Chi Square= 1.627339E-03

Number = 7

0 = 0

1 = 1 + 1

2 = 1 + 1

3 = 0

4 = 1 + 1

5 = 1 + 1

6 = 0

7 = 1 + 1

8 = 1 + 1

9 = 0

Chi Square= 4

Number = 17

0 = 1

1 = 2 + 1

2 = 2 + 1

3 = 1

4 = 2 + 1

5 = 2 + 1

6 = 1

7 = 2 + 1

8 = 2 + 1

9 = 1

Chi Square= 1.5

Number = 47

0 = 4

1 = 5 + 1

2 = 5 + 1

3 = 4

4 = 5 + 1

5 = 5 + 1

6 = 4

7 = 5 + 1

8 = 5 + 1

9 = 4

Chi Square= .5217392

Number = 97

0 = 9

1 = 10 + 1

2 = 10 + 1

3 = 9

4 = 10 + 1

5 = 10 + 1

6 = 9

7 = 10 + 1

8 = 10 + 1

9 = 9

Chi Square= .25

Number = 167

0 = 16

1 = 17 + 1

2 = 17 + 1

3 = 16

4 = 17 + 1

5 = 17 + 1

6 = 16

7 = 17 + 1

8 = 17 + 1

9 = 16

Chi Square= .1445783

Number = 257

0 = 25

1 = 26 + 1

2 = 26 + 1

3 = 25

4 = 26 + 1

5 = 26 + 1

6 = 25

7 = 26 + 1

8 = 26 + 1

9 = 25

Chi Square= .09375

Number = 337

0 = 33

1 = 34 + 1

2 = 34 + 1

3 = 33

4 = 34 + 1

5 = 34 + 1

6 = 33

7 = 34 + 1

8 = 34 + 1

9 = 33

Chi Square= 7.142858E-02

Number = 367

0 = 36

1 = 37 + 1

2 = 37 + 1

3 = 36

4 = 37 + 1

5 = 37 + 1

6 = 36

7 = 37 + 1

8 = 37 + 1

9 = 36

Chi Square= 6.557378E-02

Number = 487

0 = 48

1 = 49 + 1

2 = 49 + 1

3 = 48

4 = 49 + 1

5 = 49 + 1

6 = 48

7 = 49 + 1

8 = 49 + 1

9 = 48

Chi Square= 4.938272E-02

Number = 577

0 = 57

1 = 58 + 1

2 = 58 + 1

3 = 57

4 = 58 + 1

5 = 58 + 1

6 = 57

7 = 58 + 1

8 = 58 + 1

9 = 57

Chi Square= 4.166668E-02

Number = 647

0 = 64

1 = 65 + 1

2 = 65 + 1

3 = 64

4 = 65 + 1

5 = 65 + 1

6 = 64

7 = 65 + 1

8 = 65 + 1

9 = 64

Chi Square= 3.715171E-02

Number = 727

0 = 72

1 = 73 + 1

2 = 73 + 1

3 = 72

4 = 73 + 1

5 = 73 + 1

6 = 72

7 = 73 + 1

8 = 73 + 1

9 = 72

Chi Square= 3.305786E-02

Number = 857

0 = 85

1 = 86 + 1

2 = 86 + 1

3 = 85

4 = 86 + 1

5 = 86 + 1

6 = 85

7 = 86 + 1

8 = 86 + 1

9 = 85

Chi Square= 2.803739E-02

Number = 887

0 = 88

1 = 89 + 1

2 = 89 + 1

3 = 88

4 = 89 + 1

5 = 89 + 1

6 = 88

7 = 89 + 1

8 = 89 + 1

9 = 88

Chi Square= 2.708804E-02

Number = 937

0 = 93

1 = 94 + 1

2 = 94 + 1

3 = 93

4 = 94 + 1

5 = 94 + 1

6 = 93

7 = 94 + 1

8 = 94 + 1

9 = 93

Chi Square= 2.564103E-02

Number = 977

0 = 97

1 = 98 + 1

2 = 98 + 1

3 = 97

4 = 98 + 1

5 = 98 + 1

6 = 97

7 = 98 + 1

8 = 98 + 1

9 = 97

Chi Square= 2.459017E-02

Number = 1087

0 = 108

1 = 109 + 1

2 = 109 + 1

3 = 108

4 = 109 + 1

5 = 109 + 1

6 = 108

7 = 109 + 1

8 = 109 + 1

9 = 108

Chi Square= 2.209945E-02

Number = 1097

0 = 109

1 = 110 + 1

2 = 110 + 1

3 = 109

4 = 110 + 1

5 = 110 + 1

6 = 109

7 = 110 + 1

8 = 110 + 1

9 = 109

Chi Square= 2.189781E-02

Number = 1217

0 = 121

1 = 122 + 1

2 = 122 + 1

3 = 121

4 = 122 + 1

5 = 122 + 1

6 = 121

7 = 122 + 1

8 = 122 + 1

9 = 121

Chi Square= 1.973685E-02

Number = 1297

0 = 129

1 = 130 + 1

2 = 130 + 1

3 = 129

4 = 130 + 1

5 = 130 + 1

6 = 129

7 = 130 + 1

8 = 130 + 1

9 = 129

Chi Square= 1.851852E-02

Number = 1327

0 = 132

1 = 133 + 1

2 = 133 + 1

3 = 132

4 = 133 + 1

5 = 133 + 1

6 = 132

7 = 133 + 1

8 = 133 + 1

9 = 132

Chi Square= 1.809955E-02

Number = 1367

0 = 136

1 = 137 + 1

2 = 137 + 1

3 = 136

4 = 137 + 1

5 = 137 + 1

6 = 136

7 = 137 + 1

8 = 137 + 1

9 = 136

Chi Square= 1.756954E-02

Number = 1447

0 = 144

1 = 145 + 1

2 = 145 + 1

3 = 144

4 = 145 + 1

5 = 145 + 1

6 = 144

7 = 145 + 1

8 = 145 + 1

9 = 144

Chi Square= 1.659751E-02

Number = 1487

0 = 148

1 = 149 + 1

2 = 149 + 1

3 = 148

4 = 149 + 1

5 = 149 + 1

6 = 148

7 = 149 + 1

8 = 149 + 1

9 = 148

Chi Square= 1.615074E-02

Number = 1567

0 = 156

1 = 157 + 1

2 = 157 + 1

3 = 156

4 = 157 + 1

5 = 157 + 1

6 = 156

7 = 157 + 1

8 = 157 + 1

9 = 156

Chi Square= 1.532567E-02

Number = 1607

0 = 160

1 = 161 + 1

2 = 161 + 1

3 = 160

4 = 161 + 1

5 = 161 + 1

6 = 160

7 = 161 + 1

8 = 161 + 1

9 = 160

Chi Square= 1.494396E-02

Number = 1697

0 = 169

1 = 170 + 1

2 = 170 + 1

3 = 169

4 = 170 + 1

5 = 170 + 1

6 = 169

7 = 170 + 1

8 = 170 + 1

9 = 169

Chi Square= 1.415094E-02

Number = 1777

0 = 177

1 = 178 + 1

2 = 178 + 1

3 = 177

4 = 178 + 1

5 = 178 + 1

6 = 177

7 = 178 + 1

8 = 178 + 1

9 = 177

Chi Square= 1.351351E-02

Number = 1847

0 = 184

1 = 185 + 1

2 = 185 + 1

3 = 184

4 = 185 + 1

5 = 185 + 1

6 = 184

7 = 185 + 1

8 = 185 + 1

9 = 184

Chi Square= 1.300108E-02

Number = 2017

0 = 201

1 = 202 + 1

2 = 202 + 1

3 = 201

4 = 202 + 1

5 = 202 + 1

6 = 201

7 = 202 + 1

8 = 202 + 1

9 = 201

Chi Square= 1.190476E-02

Number = 2137

0 = 213

1 = 214 + 1

2 = 214 + 1

3 = 213

4 = 214 + 1

5 = 214 + 1

6 = 213

7 = 214 + 1

8 = 214 + 1

9 = 213

Chi Square= 1.123595E-02

Number = 2207

0 = 220

1 = 221 + 1

2 = 221 + 1

3 = 220

4 = 221 + 1

5 = 221 + 1

6 = 220

7 = 221 + 1

8 = 221 + 1

9 = 220

Chi Square= 1.087942E-02

Number = 2297

0 = 229

1 = 230 + 1

2 = 230 + 1

3 = 229

4 = 230 + 1

5 = 230 + 1

6 = 229

7 = 230 + 1

8 = 230 + 1

9 = 229

Chi Square= 1.045296E-02

Number = 2417

0 = 241

1 = 242 + 1

2 = 242 + 1

3 = 241

4 = 242 + 1

5 = 242 + 1

6 = 241

7 = 242 + 1

8 = 242 + 1

9 = 241

Chi Square= 9.933774E-03

Number = 2447

0 = 244

1 = 245 + 1

2 = 245 + 1

3 = 244

4 = 245 + 1

5 = 245 + 1

6 = 244

7 = 245 + 1

8 = 245 + 1

9 = 244

Chi Square= 9.811937E-03

Number = 2617

0 = 261

1 = 262 + 1

2 = 262 + 1

3 = 261

4 = 262 + 1

5 = 262 + 1

6 = 261

7 = 262 + 1

8 = 262 + 1

9 = 261

Chi Square= 9.174312E-03

Number = 2657

0 = 265

1 = 266 + 1

2 = 266 + 1

3 = 265

4 = 266 + 1

5 = 266 + 1

6 = 265

7 = 266 + 1

8 = 266 + 1

9 = 265

Chi Square= 9.036144E-03

Number = 2687

0 = 268

1 = 269 + 1

2 = 269 + 1

3 = 268

4 = 269 + 1

5 = 269 + 1

6 = 268

7 = 269 + 1

8 = 269 + 1

9 = 268

Chi Square= 8.935219E-03

Number = 2767

0 = 276

1 = 277 + 1

2 = 277 + 1

3 = 276

4 = 277 + 1

5 = 277 + 1

6 = 276

7 = 277 + 1

8 = 277 + 1

9 = 276

Chi Square= 8.676789E-03

Number = 2777

0 = 277

1 = 278 + 1

2 = 278 + 1

3 = 277

4 = 278 + 1

5 = 278 + 1

6 = 277

7 = 278 + 1

8 = 278 + 1

9 = 277

Chi Square= 8.645533E-03

Number = 2887

0 = 288

1 = 289 + 1

2 = 289 + 1

3 = 288

4 = 289 + 1

5 = 289 + 1

6 = 288

7 = 289 + 1

8 = 289 + 1

9 = 288

Chi Square= 8.316007E-03

Number = 2897

0 = 289

1 = 290 + 1

2 = 290 + 1

3 = 289

4 = 290 + 1

5 = 290 + 1

6 = 289

7 = 290 + 1

8 = 290 + 1

9 = 289

Chi Square= 8.287292E-03

Number = 2927

0 = 292

1 = 293 + 1

2 = 293 + 1

3 = 292

4 = 293 + 1

5 = 293 + 1

6 = 292

7 = 293 + 1

8 = 293 + 1

9 = 292

Chi Square= 8.202324E-03

Number = 3137

0 = 313

1 = 314 + 1

2 = 314 + 1

3 = 313

4 = 314 + 1

5 = 314 + 1

6 = 313

7 = 314 + 1

8 = 314 + 1

9 = 313

Chi Square= 7.653061E-03

Number = 3167

0 = 316

1 = 317 + 1

2 = 317 + 1

3 = 316

4 = 317 + 1

5 = 317 + 1

6 = 316

7 = 317 + 1

8 = 317 + 1

9 = 316

Chi Square= 7.580542E-03

Number = 3257

0 = 325

1 = 326 + 1

2 = 326 + 1

3 = 325

4 = 326 + 1

5 = 326 + 1

6 = 325

7 = 326 + 1

8 = 326 + 1

9 = 325

Chi Square= 7.371007E-03

Number = 3407

0 = 340

1 = 341 + 1

2 = 341 + 1

3 = 340

4 = 341 + 1

5 = 341 + 1

6 = 340

7 = 341 + 1

8 = 341 + 1

9 = 340

Chi Square= 7.046388E-03

Number = 3527

0 = 352

1 = 353 + 1

2 = 353 + 1

3 = 352

4 = 353 + 1

5 = 353 + 1

6 = 352

7 = 353 + 1

8 = 353 + 1

9 = 352

Chi Square= 6.806579E-03

Number = 3607

0 = 360

1 = 361 + 1

2 = 361 + 1

3 = 360

4 = 361 + 1

5 = 361 + 1

6 = 360

7 = 361 + 1

8 = 361 + 1

9 = 360

Chi Square= 6.655573E-03

Number = 3617

0 = 361

1 = 362 + 1

2 = 362 + 1

3 = 361

4 = 362 + 1

5 = 362 + 1

6 = 361

7 = 362 + 1

8 = 362 + 1

9 = 361

Chi Square= 6.637168E-03

Number = 3727

0 = 372

1 = 373 + 1

2 = 373 + 1

3 = 372

4 = 373 + 1

5 = 373 + 1

6 = 372

7 = 373 + 1

8 = 373 + 1

9 = 372

Chi Square= 6.441223E-03

Number = 3767

0 = 376

1 = 377 + 1

2 = 377 + 1

3 = 376

4 = 377 + 1

5 = 377 + 1

6 = 376

7 = 377 + 1

8 = 377 + 1

9 = 376

Chi Square= 6.372809E-03

Number = 3847

0 = 384

1 = 385 + 1

2 = 385 + 1

3 = 384

4 = 385 + 1

5 = 385 + 1

6 = 384

7 = 385 + 1

8 = 385 + 1

9 = 384

Chi Square= 6.240249E-03

Number = 3967

0 = 396

1 = 397 + 1

2 = 397 + 1

3 = 396

4 = 397 + 1

5 = 397 + 1

6 = 396

7 = 397 + 1

8 = 397 + 1

9 = 396

Chi Square= 6.051437E-03

Number = 4007

0 = 400

1 = 401 + 1

2 = 401 + 1

3 = 400

4 = 401 + 1

5 = 401 + 1

6 = 400

7 = 401 + 1

8 = 401 + 1

9 = 400

Chi Square= 5.991013E-03

Number = 4057

0 = 405

1 = 406 + 1

2 = 406 + 1

3 = 405

4 = 406 + 1

5 = 406 + 1

6 = 405

7 = 406 + 1

8 = 406 + 1

9 = 405

Chi Square= 5.917159E-03

Number = 4127

0 = 412

1 = 413 + 1

2 = 413 + 1

3 = 412

4 = 413 + 1

5 = 413 + 1

6 = 412

7 = 413 + 1

8 = 413 + 1

9 = 412

Chi Square= 5.816771E-03

Number = 4177

0 = 417

1 = 418 + 1

2 = 418 + 1

3 = 417

4 = 418 + 1

5 = 418 + 1

6 = 417

7 = 418 + 1

8 = 418 + 1

9 = 417

Chi Square= 5.747126E-03

Number = 4217

0 = 421

1 = 422 + 1

2 = 422 + 1

3 = 421

4 = 422 + 1

5 = 422 + 1

6 = 421

7 = 422 + 1

8 = 422 + 1

9 = 421

Chi Square= 5.692599E-03

Number = 4327

0 = 432

1 = 433 + 1

2 = 433 + 1

3 = 432

4 = 433 + 1

5 = 433 + 1

6 = 432

7 = 433 + 1

8 = 433 + 1

9 = 432

Chi Square= 5.54785E-03

Number = 4337

0 = 433

1 = 434 + 1

2 = 434 + 1

3 = 433

4 = 434 + 1

5 = 434 + 1

6 = 433

7 = 434 + 1

8 = 434 + 1

9 = 433

Chi Square= 5.535055E-03

Number = 4447

0 = 444

1 = 445 + 1

2 = 445 + 1

3 = 444

4 = 445 + 1

5 = 445 + 1

6 = 444

7 = 445 + 1

8 = 445 + 1

9 = 444

Chi Square= 5.39811E-03

Number = 4457

0 = 445

1 = 446 + 1

2 = 446 + 1

3 = 445

4 = 446 + 1

5 = 446 + 1

6 = 445

7 = 446 + 1

8 = 446 + 1

9 = 445

Chi Square= 5.385996E-03

Number = 4567

0 = 456

1 = 457 + 1

2 = 457 + 1

3 = 456

4 = 457 + 1

5 = 457 + 1

6 = 456

7 = 457 + 1

8 = 457 + 1

9 = 456

Chi Square= 5.256241E-03

Number = 4817

0 = 481

1 = 482 + 1

2 = 482 + 1

3 = 481

4 = 482 + 1

5 = 482 + 1

6 = 481

7 = 482 + 1

8 = 482 + 1

9 = 481

Chi Square= 4.983388E-03

Number = 4937

0 = 493

1 = 494 + 1

2 = 494 + 1

3 = 493

4 = 494 + 1

5 = 494 + 1

6 = 493

7 = 494 + 1

8 = 494 + 1

9 = 493

Chi Square= 4.862236E-03

Number = 4967

0 = 496

1 = 497 + 1

2 = 497 + 1

3 = 496

4 = 497 + 1

5 = 497 + 1

6 = 496

7 = 497 + 1

8 = 497 + 1

9 = 496

Chi Square= 4.832863E-03

Number = 5087

0 = 508

1 = 509 + 1

2 = 509 + 1

3 = 508

4 = 509 + 1

5 = 509 + 1

6 = 508

7 = 509 + 1

8 = 509 + 1

9 = 508

Chi Square= 4.718835E-03

Number = 5167

0 = 516

1 = 517 + 1

2 = 517 + 1

3 = 516

4 = 517 + 1

5 = 517 + 1

6 = 516

7 = 517 + 1

8 = 517 + 1

9 = 516

Chi Square= 4.645761E-03

Number = 5297

0 = 529

1 = 530 + 1

2 = 530 + 1

3 = 529

4 = 530 + 1

5 = 530 + 1

6 = 529

7 = 530 + 1

8 = 530 + 1

9 = 529

Chi Square= 4.531723E-03

Number = 5417

0 = 541

1 = 542 + 1

2 = 542 + 1

3 = 541

4 = 542 + 1

5 = 542 + 1

6 = 541

7 = 542 + 1

8 = 542 + 1

9 = 541

Chi Square= 4.431315E-03

Number = 5527

0 = 552

1 = 553 + 1

2 = 553 + 1

3 = 552

4 = 553 + 1

5 = 553 + 1

6 = 552

7 = 553 + 1

8 = 553 + 1

9 = 552

Chi Square= 4.343105E-03

Number = 5657

0 = 565

1 = 566 + 1

2 = 566 + 1

3 = 565

4 = 566 + 1

5 = 566 + 1

6 = 565

7 = 566 + 1

8 = 566 + 1

9 = 565

Chi Square= 4.243282E-03

Number = 5737

0 = 573

1 = 574 + 1

2 = 574 + 1

3 = 573

4 = 574 + 1

5 = 574 + 1

6 = 573

7 = 574 + 1

8 = 574 + 1

9 = 573

Chi Square= 4.184101E-03

Number = 5807

0 = 580

1 = 581 + 1

2 = 581 + 1

3 = 580

4 = 581 + 1

5 = 581 + 1

6 = 580

7 = 581 + 1

8 = 581 + 1

9 = 580

Chi Square= 4.133655E-03

Number = 5857

0 = 585

1 = 586 + 1

2 = 586 + 1

3 = 585

4 = 586 + 1

5 = 586 + 1

6 = 585

7 = 586 + 1

8 = 586 + 1

9 = 585

Chi Square= 4.098361E-03

Number = 5897

0 = 589

1 = 590 + 1

2 = 590 + 1

3 = 589

4 = 590 + 1

5 = 590 + 1

6 = 589

7 = 590 + 1

8 = 590 + 1

9 = 589

Chi Square= 4.070557E-03

Number = 5927

0 = 592

1 = 593 + 1

2 = 593 + 1

3 = 592

4 = 593 + 1

5 = 593 + 1

6 = 592

7 = 593 + 1

8 = 593 + 1

9 = 592

Chi Square= 4.04995E-03

Number = 6047

0 = 604

1 = 605 + 1

2 = 605 + 1

3 = 604

4 = 605 + 1

5 = 605 + 1

6 = 604

7 = 605 + 1

8 = 605 + 1

9 = 604

Chi Square= 3.969567E-03

Number = 6217

0 = 621

1 = 622 + 1

2 = 622 + 1

3 = 621

4 = 622 + 1

5 = 622 + 1

6 = 621

7 = 622 + 1

8 = 622 + 1

9 = 621

Chi Square= 3.861004E-03

Number = 6247

0 = 624

1 = 625 + 1

2 = 625 + 1

3 = 624

4 = 625 + 1

5 = 625 + 1

6 = 624

7 = 625 + 1

8 = 625 + 1

9 = 624

Chi Square= 3.84246E-03

Number = 6257

0 = 625

1 = 626 + 1

2 = 626 + 1

3 = 625

4 = 626 + 1

5 = 626 + 1

6 = 625

7 = 626 + 1

8 = 626 + 1

9 = 625

Chi Square= 3.836317E-03

Number = 6287

0 = 628

1 = 629 + 1

2 = 629 + 1

3 = 628

4 = 629 + 1

5 = 629 + 1

6 = 628

7 = 629 + 1

8 = 629 + 1

9 = 628

Chi Square= 3.818009E-03

Number = 6337

0 = 633

1 = 634 + 1

2 = 634 + 1

3 = 633

4 = 634 + 1

5 = 634 + 1

6 = 633

7 = 634 + 1

8 = 634 + 1

9 = 633

Chi Square= 3.787879E-03

Number = 6367

0 = 636

1 = 637 + 1

2 = 637 + 1

3 = 636

4 = 637 + 1

5 = 637 + 1

6 = 636

7 = 637 + 1

8 = 637 + 1

9 = 636

Chi Square= 3.770028E-03

Number = 6737

0 = 673

1 = 674 + 1

2 = 674 + 1

3 = 673

4 = 674 + 1

5 = 674 + 1

6 = 673

7 = 674 + 1

8 = 674 + 1

9 = 673

Chi Square= 3.562946E-03

Number = 6857

0 = 685

1 = 686 + 1

2 = 686 + 1

3 = 685

4 = 686 + 1

5 = 686 + 1

6 = 685

7 = 686 + 1

8 = 686 + 1

9 = 685

Chi Square= 3.500584E-03

Number = 6967

0 = 696

1 = 697 + 1

2 = 697 + 1

3 = 696

4 = 697 + 1

5 = 697 + 1

6 = 696

7 = 697 + 1

8 = 697 + 1

9 = 696

Chi Square= 3.445306E-03

Number = 6977

0 = 697

1 = 698 + 1

2 = 698 + 1

3 = 697

4 = 698 + 1

5 = 698 + 1

6 = 697

7 = 698 + 1

8 = 698 + 1

9 = 697

Chi Square= 3.440367E-03

Number = 7057

0 = 705

1 = 706 + 1

2 = 706 + 1

3 = 705

4 = 706 + 1

5 = 706 + 1

6 = 705

7 = 706 + 1

8 = 706 + 1

9 = 705

Chi Square= 3.401361E-03

Number = 7177

0 = 717

1 = 718 + 1

2 = 718 + 1

3 = 717

4 = 718 + 1

5 = 718 + 1

6 = 717

7 = 718 + 1

8 = 718 + 1

9 = 717

Chi Square= 3.344482E-03

Number = 7207

0 = 720

1 = 721 + 1

2 = 721 + 1

3 = 720

4 = 721 + 1

5 = 721 + 1

6 = 720

7 = 721 + 1

8 = 721 + 1

9 = 720

Chi Square= 3.330558E-03

Number = 7247

0 = 724

1 = 725 + 1

2 = 725 + 1

3 = 724

4 = 725 + 1

5 = 725 + 1

6 = 724

7 = 725 + 1

8 = 725 + 1

9 = 724

Chi Square= 3.312172E-03

Number = 7457

0 = 745

1 = 746 + 1

2 = 746 + 1

3 = 745

4 = 746 + 1

5 = 746 + 1

6 = 745

7 = 746 + 1

8 = 746 + 1

9 = 745

Chi Square= 3.218884E-03

Number = 7487

0 = 748

1 = 749 + 1

2 = 749 + 1

3 = 748

4 = 749 + 1

5 = 749 + 1

6 = 748

7 = 749 + 1

8 = 749 + 1

9 = 748

Chi Square= 3.205985E-03

Number = 7577

0 = 757

1 = 758 + 1

2 = 758 + 1

3 = 757

4 = 758 + 1

5 = 758 + 1

6 = 757

7 = 758 + 1

8 = 758 + 1

9 = 757

Chi Square= 3.167899E-03

Number = 7607

0 = 760

1 = 761 + 1

2 = 761 + 1

3 = 760

4 = 761 + 1

5 = 761 + 1

6 = 760

7 = 761 + 1

8 = 761 + 1

9 = 760

Chi Square= 3.155404E-03

Number = 7687

0 = 768

1 = 769 + 1

2 = 769 + 1

3 = 768

4 = 769 + 1

5 = 769 + 1

6 = 768

7 = 769 + 1

8 = 769 + 1

9 = 768

Chi Square= 3.122561E-03

Number = 7727

0 = 772

1 = 773 + 1

2 = 773 + 1

3 = 772

4 = 773 + 1

5 = 773 + 1

6 = 772

7 = 773 + 1

8 = 773 + 1

9 = 772

Chi Square= 3.106394E-03

Number = 7817

0 = 781

1 = 782 + 1

2 = 782 + 1

3 = 781

4 = 782 + 1

5 = 782 + 1

6 = 781

7 = 782 + 1

8 = 782 + 1

9 = 781

Chi Square= 3.070625E-03

Number = 7927

0 = 792

1 = 793 + 1

2 = 793 + 1

3 = 792

4 = 793 + 1

5 = 793 + 1

6 = 792

7 = 793 + 1

8 = 793 + 1

9 = 792

Chi Square= 3.028009E-03

Number = 7937

0 = 793

1 = 794 + 1

2 = 794 + 1

3 = 793

4 = 794 + 1

5 = 794 + 1

6 = 793

7 = 794 + 1

8 = 794 + 1

9 = 793

Chi Square= 3.024194E-03

Number = 8017

0 = 801

1 = 802 + 1

2 = 802 + 1

3 = 801

4 = 802 + 1

5 = 802 + 1

6 = 801

7 = 802 + 1

8 = 802 + 1

9 = 801

Chi Square= 2.994012E-03

Number = 8087

0 = 808

1 = 809 + 1

2 = 809 + 1

3 = 808

4 = 809 + 1

5 = 809 + 1

6 = 808

7 = 809 + 1

8 = 809 + 1

9 = 808

Chi Square= 2.968093E-03

Number = 8287

0 = 828

1 = 829 + 1

2 = 829 + 1

3 = 828

4 = 829 + 1

5 = 829 + 1

6 = 828

7 = 829 + 1

8 = 829 + 1

9 = 828

Chi Square= 2.896452E-03

Number = 8297

0 = 829

1 = 830 + 1

2 = 830 + 1

3 = 829

4 = 830 + 1

5 = 830 + 1

6 = 829

7 = 830 + 1

8 = 830 + 1

9 = 829

Chi Square= 2.892961E-03

Number = 8377

0 = 837

1 = 838 + 1

2 = 838 + 1

3 = 837

4 = 838 + 1

5 = 838 + 1

6 = 837

7 = 838 + 1

8 = 838 + 1

9 = 837

Chi Square= 2.86533E-03

Number = 8447

0 = 844

1 = 845 + 1

2 = 845 + 1

3 = 844

4 = 845 + 1

5 = 845 + 1

6 = 844

7 = 845 + 1

8 = 845 + 1

9 = 844

Chi Square= 2.841582E-03

Number = 8537

0 = 853

1 = 854 + 1

2 = 854 + 1

3 = 853

4 = 854 + 1

5 = 854 + 1

6 = 853

7 = 854 + 1

8 = 854 + 1

9 = 853

Chi Square= 2.811622E-03

Number = 8647

0 = 864

1 = 865 + 1

2 = 865 + 1

3 = 864

4 = 865 + 1

5 = 865 + 1

6 = 864

7 = 865 + 1

8 = 865 + 1

9 = 864

Chi Square= 2.77585E-03

Number = 8807

0 = 880

1 = 881 + 1

2 = 881 + 1

3 = 880

4 = 881 + 1

5 = 881 + 1

6 = 880

7 = 881 + 1

8 = 881 + 1

9 = 880

Chi Square= 2.725415E-03

Number = 8887

0 = 888

1 = 889 + 1

2 = 889 + 1

3 = 888

4 = 889 + 1

5 = 889 + 1

6 = 888

7 = 889 + 1

8 = 889 + 1

9 = 888

Chi Square= 2.700878E-03

Number = 9137

0 = 913

1 = 914 + 1

2 = 914 + 1

3 = 913

4 = 914 + 1

5 = 914 + 1

6 = 913

7 = 914 + 1

8 = 914 + 1

9 = 913

Chi Square= 2.62697E-03

Number = 9257

0 = 925

1 = 926 + 1

2 = 926 + 1

3 = 925

4 = 926 + 1

5 = 926 + 1

6 = 925

7 = 926 + 1

8 = 926 + 1

9 = 925

Chi Square= 2.592913E-03

Number = 9377

0 = 937

1 = 938 + 1

2 = 938 + 1

3 = 937

4 = 938 + 1

5 = 938 + 1

6 = 937

7 = 938 + 1

8 = 938 + 1

9 = 937

Chi Square= 2.559727E-03

Number = 9497

0 = 949

1 = 950 + 1

2 = 950 + 1

3 = 949

4 = 950 + 1

5 = 950 + 1

6 = 949

7 = 950 + 1

8 = 950 + 1

9 = 949

Chi Square= 2.52738E-03

Number = 9697

0 = 969

1 = 970 + 1

2 = 970 + 1

3 = 969

4 = 970 + 1

5 = 970 + 1

6 = 969

7 = 970 + 1

8 = 970 + 1

9 = 969

Chi Square= 2.475248E-03

Number = 9767

0 = 976

1 = 977 + 1

2 = 977 + 1

3 = 976

4 = 977 + 1

5 = 977 + 1

6 = 976

7 = 977 + 1

8 = 977 + 1

9 = 976

Chi Square= 2.457506E-03

Number = 9817

0 = 981

1 = 982 + 1

2 = 982 + 1

3 = 981

4 = 982 + 1

5 = 982 + 1

6 = 981

7 = 982 + 1

8 = 982 + 1

9 = 981

Chi Square= 2.444988E-03

Number = 9857

0 = 985

1 = 986 + 1

2 = 986 + 1

3 = 985

4 = 986 + 1

5 = 986 + 1

6 = 985

7 = 986 + 1

8 = 986 + 1

9 = 985

Chi Square= 2.435065E-03

Number = 9887

0 = 988

1 = 989 + 1

2 = 989 + 1

3 = 988

4 = 989 + 1

5 = 989 + 1

6 = 988

7 = 989 + 1

8 = 989 + 1

9 = 988

Chi Square= 2.427676E-03

Number = 9967

0 = 996

1 = 997 + 1

2 = 997 + 1

3 = 996

4 = 997 + 1

5 = 997 + 1

6 = 996

7 = 997 + 1

8 = 997 + 1

9 = 996

Chi Square= 2.408188E-03

Number = 19

0 = 1

1 = 2 + 1

2 = 2 + 1

3 = 2 + 1

4 = 2 + 1

5 = 2 + 1

6 = 2 + 1

7 = 2 + 1

8 = 2 + 1

9 = 1

Chi Square= .888889

Number = 29

0 = 2

1 = 3 + 1

2 = 3 + 1

3 = 3 + 1

4 = 3 + 1

5 = 3 + 1

6 = 3 + 1

7 = 3 + 1

8 = 3 + 1

9 = 2

Chi Square= .5714286

Number = 59

0 = 5

1 = 6 + 1

2 = 6 + 1

3 = 6 + 1

4 = 6 + 1

5 = 6 + 1

6 = 6 + 1

7 = 6 + 1

8 = 6 + 1

9 = 5

Chi Square= .275862

Number = 109

0 = 10

1 = 11 + 1

2 = 11 + 1

3 = 11 + 1

4 = 11 + 1

5 = 11 + 1

6 = 11 + 1

7 = 11 + 1

8 = 11 + 1

9 = 10

Chi Square= .1481481

Number = 149

0 = 14

1 = 15 + 1

2 = 15 + 1

3 = 15 + 1

4 = 15 + 1

5 = 15 + 1

6 = 15 + 1

7 = 15 + 1

8 = 15 + 1

9 = 14

Chi Square= .1081081

Number = 179

0 = 17

1 = 18 + 1

2 = 18 + 1

3 = 18 + 1

4 = 18 + 1

5 = 18 + 1

6 = 18 + 1

7 = 18 + 1

8 = 18 + 1

9 = 17

Chi Square= 8.988765E-02

Number = 229

0 = 22

1 = 23 + 1

2 = 23 + 1

3 = 23 + 1

4 = 23 + 1

5 = 23 + 1

6 = 23 + 1

7 = 23 + 1

8 = 23 + 1

9 = 22

Chi Square= 7.017545E-02

Number = 269

0 = 26

1 = 27 + 1

2 = 27 + 1

3 = 27 + 1

4 = 27 + 1

5 = 27 + 1

6 = 27 + 1

7 = 27 + 1

8 = 27 + 1

9 = 26

Chi Square= .0597015

Number = 379

0 = 37

1 = 38 + 1

2 = 38 + 1

3 = 38 + 1

4 = 38 + 1

5 = 38 + 1

6 = 38 + 1

7 = 38 + 1

8 = 38 + 1

9 = 37

Chi Square= 4.232805E-02

Number = 389

0 = 38

1 = 39 + 1

2 = 39 + 1

3 = 39 + 1

4 = 39 + 1

5 = 39 + 1

6 = 39 + 1

7 = 39 + 1

8 = 39 + 1

9 = 38

Chi Square= 4.123712E-02

Number = 419

0 = 41

1 = 42 + 1

2 = 42 + 1

3 = 42 + 1

4 = 42 + 1

5 = 42 + 1

6 = 42 + 1

7 = 42 + 1

8 = 42 + 1

9 = 41

Chi Square= 3.827751E-02

Number = 499

0 = 49

1 = 50 + 1

2 = 50 + 1

3 = 50 + 1

4 = 50 + 1

5 = 50 + 1

6 = 50 + 1

7 = 50 + 1

8 = 50 + 1

9 = 49

Chi Square= 3.212852E-02

Number = 509

0 = 50

1 = 51 + 1

2 = 51 + 1

3 = 51 + 1

4 = 51 + 1

5 = 51 + 1

6 = 51 + 1

7 = 51 + 1

8 = 51 + 1

9 = 50

Chi Square= 3.149607E-02

Number = 619

0 = 61

1 = 62 + 1

2 = 62 + 1

3 = 62 + 1

4 = 62 + 1

5 = 62 + 1

6 = 62 + 1

7 = 62 + 1

8 = 62 + 1

9 = 61

Chi Square= 2.588997E-02

Number = 659

0 = 65

1 = 66 + 1

2 = 66 + 1

3 = 66 + 1

4 = 66 + 1

5 = 66 + 1

6 = 66 + 1

7 = 66 + 1

8 = 66 + 1

9 = 65

Chi Square= 2.431611E-02

Number = 709

0 = 70

1 = 71 + 1

2 = 71 + 1

3 = 71 + 1

4 = 71 + 1

5 = 71 + 1

6 = 71 + 1

7 = 71 + 1

8 = 71 + 1

9 = 70

Chi Square= 2.259887E-02

Number = 1019

0 = 101

1 = 102 + 1

2 = 102 + 1

3 = 102 + 1

4 = 102 + 1

5 = 102 + 1

6 = 102 + 1

7 = 102 + 1

8 = 102 + 1

9 = 101

Chi Square= 1.571709E-02

Number = 1069

0 = 106

1 = 107 + 1

2 = 107 + 1

3 = 107 + 1

4 = 107 + 1

5 = 107 + 1

6 = 107 + 1

7 = 107 + 1

8 = 107 + 1

9 = 106

Chi Square= 1.498127E-02

Number = 1109

0 = 110

1 = 111 + 1

2 = 111 + 1

3 = 111 + 1

4 = 111 + 1

5 = 111 + 1

6 = 111 + 1

7 = 111 + 1

8 = 111 + 1

9 = 110

Chi Square= 1.444043E-02

Number = 1229

0 = 122

1 = 123 + 1

2 = 123 + 1

3 = 123 + 1

4 = 123 + 1

5 = 123 + 1

6 = 123 + 1

7 = 123 + 1

8 = 123 + 1

9 = 122

Chi Square= 1.302931E-02

Number = 1259

0 = 125

1 = 126 + 1

2 = 126 + 1

3 = 126 + 1

4 = 126 + 1

5 = 126 + 1

6 = 126 + 1

7 = 126 + 1

8 = 126 + 1

9 = 125

Chi Square= .0127186

Number = 1429

0 = 142

1 = 143 + 1

2 = 143 + 1

3 = 143 + 1

4 = 143 + 1

5 = 143 + 1

6 = 143 + 1

7 = 143 + 1

8 = 143 + 1

9 = 142

Chi Square= 1.120448E-02

Number = 1549

0 = 154

1 = 155 + 1

2 = 155 + 1

3 = 155 + 1

4 = 155 + 1

5 = 155 + 1

6 = 155 + 1

7 = 155 + 1

8 = 155 + 1

9 = 154

Chi Square= 1.033592E-02

Number = 1579

0 = 157

1 = 158 + 1

2 = 158 + 1

3 = 158 + 1

4 = 158 + 1

5 = 158 + 1

6 = 158 + 1

7 = 158 + 1

8 = 158 + 1

9 = 157

Chi Square= 1.013942E-02

Number = 1619

0 = 161

1 = 162 + 1

2 = 162 + 1

3 = 162 + 1

4 = 162 + 1

5 = 162 + 1

6 = 162 + 1

7 = 162 + 1

8 = 162 + 1

9 = 161

Chi Square= 9.888751E-03

Number = 1709

0 = 170

1 = 171 + 1

2 = 171 + 1

3 = 171 + 1

4 = 171 + 1

5 = 171 + 1

6 = 171 + 1

7 = 171 + 1

8 = 171 + 1

9 = 170

Chi Square= 9.367681E-03

Number = 1789

0 = 178

1 = 179 + 1

2 = 179 + 1

3 = 179 + 1

4 = 179 + 1

5 = 179 + 1

6 = 179 + 1

7 = 179 + 1

8 = 179 + 1

9 = 178

Chi Square= 8.948545E-03

Number = 1949

0 = 194

1 = 195 + 1

2 = 195 + 1

3 = 195 + 1

4 = 195 + 1

5 = 195 + 1

6 = 195 + 1

7 = 195 + 1

8 = 195 + 1

9 = 194

Chi Square= 8.213552E-03

Number = 1979

0 = 197

1 = 198 + 1

2 = 198 + 1

3 = 198 + 1

4 = 198 + 1

5 = 198 + 1

6 = 198 + 1

7 = 198 + 1

8 = 198 + 1

9 = 197

Chi Square= 8.088978E-03

Number = 2029

0 = 202

1 = 203 + 1

2 = 203 + 1

3 = 203 + 1

4 = 203 + 1

5 = 203 + 1

6 = 203 + 1

7 = 203 + 1

8 = 203 + 1

9 = 202

Chi Square= 7.889546E-03

Number = 2069

0 = 206

1 = 207 + 1

2 = 207 + 1

3 = 207 + 1

4 = 207 + 1

5 = 207 + 1

6 = 207 + 1

7 = 207 + 1

8 = 207 + 1

9 = 206

Chi Square= 7.736943E-03

Number = 2099

0 = 209

1 = 210 + 1

2 = 210 + 1

3 = 210 + 1

4 = 210 + 1

5 = 210 + 1

6 = 210 + 1

7 = 210 + 1

8 = 210 + 1

9 = 209

Chi Square= 7.62631E-03

Number = 2179

0 = 217

1 = 218 + 1

2 = 218 + 1

3 = 218 + 1

4 = 218 + 1

5 = 218 + 1

6 = 218 + 1

7 = 218 + 1

8 = 218 + 1

9 = 217

Chi Square= 7.346189E-03

Number = 2269

0 = 226

1 = 227 + 1

2 = 227 + 1

3 = 227 + 1

4 = 227 + 1

5 = 227 + 1

6 = 227 + 1

7 = 227 + 1

8 = 227 + 1

9 = 226

Chi Square= 7.054673E-03

Number = 2309

0 = 230

1 = 231 + 1

2 = 231 + 1

3 = 231 + 1

4 = 231 + 1

5 = 231 + 1

6 = 231 + 1

7 = 231 + 1

8 = 231 + 1

9 = 230

Chi Square= 6.932409E-03

Number = 2339

0 = 233

1 = 234 + 1

2 = 234 + 1

3 = 234 + 1

4 = 234 + 1

5 = 234 + 1

6 = 234 + 1

7 = 234 + 1

8 = 234 + 1

9 = 233

Chi Square= 6.843456E-03

Number = 2389

0 = 238

1 = 239 + 1

2 = 239 + 1

3 = 239 + 1

4 = 239 + 1

5 = 239 + 1

6 = 239 + 1

7 = 239 + 1

8 = 239 + 1

9 = 238

Chi Square= 6.700167E-03

Number = 2459

0 = 245

1 = 246 + 1

2 = 246 + 1

3 = 246 + 1

4 = 246 + 1

5 = 246 + 1

6 = 246 + 1

7 = 246 + 1

8 = 246 + 1

9 = 245

Chi Square= 6.509357E-03

Number = 2539

0 = 253

1 = 254 + 1

2 = 254 + 1

3 = 254 + 1

4 = 254 + 1

5 = 254 + 1

6 = 254 + 1

7 = 254 + 1

8 = 254 + 1

9 = 253

Chi Square= 6.304176E-03

Number = 2549

0 = 254

1 = 255 + 1

2 = 255 + 1

3 = 255 + 1

4 = 255 + 1

5 = 255 + 1

6 = 255 + 1

7 = 255 + 1

8 = 255 + 1

9 = 254

Chi Square= 6.279435E-03

Number = 2579

0 = 257

1 = 258 + 1

2 = 258 + 1

3 = 258 + 1

4 = 258 + 1

5 = 258 + 1

6 = 258 + 1

7 = 258 + 1

8 = 258 + 1

9 = 257

Chi Square= 6.206363E-03

Number = 2699

0 = 269

1 = 270 + 1

2 = 270 + 1

3 = 270 + 1

4 = 270 + 1

5 = 270 + 1

6 = 270 + 1

7 = 270 + 1

8 = 270 + 1

9 = 269

Chi Square= 5.93032E-03

Number = 2789

0 = 278

1 = 279 + 1

2 = 279 + 1

3 = 279 + 1

4 = 279 + 1

5 = 279 + 1

6 = 279 + 1

7 = 279 + 1

8 = 279 + 1

9 = 278

Chi Square= 5.738882E-03

Number = 2819

0 = 281

1 = 282 + 1

2 = 282 + 1

3 = 282 + 1

4 = 282 + 1

5 = 282 + 1

6 = 282 + 1

7 = 282 + 1

8 = 282 + 1

9 = 281

Chi Square= 5.677787E-03

Number = 2909

0 = 290

1 = 291 + 1

2 = 291 + 1

3 = 291 + 1

4 = 291 + 1

5 = 291 + 1

6 = 291 + 1

7 = 291 + 1

8 = 291 + 1

9 = 290

Chi Square= 5.502064E-03

Number = 2939

0 = 293

1 = 294 + 1

2 = 294 + 1

3 = 294 + 1

4 = 294 + 1

5 = 294 + 1

6 = 294 + 1

7 = 294 + 1

8 = 294 + 1

9 = 293

Chi Square= 5.445883E-03

Number = 3019

0 = 301

1 = 302 + 1

2 = 302 + 1

3 = 302 + 1

4 = 302 + 1

5 = 302 + 1

6 = 302 + 1

7 = 302 + 1

8 = 302 + 1

9 = 301

Chi Square= 5.301525E-03

Number = 3259

0 = 325

1 = 326 + 1

2 = 326 + 1

3 = 326 + 1

4 = 326 + 1

5 = 326 + 1

6 = 326 + 1

7 = 326 + 1

8 = 326 + 1

9 = 325

Chi Square= 4.910989E-03

Number = 3299

0 = 329

1 = 330 + 1

2 = 330 + 1

3 = 330 + 1

4 = 330 + 1

5 = 330 + 1

6 = 330 + 1

7 = 330 + 1

8 = 330 + 1

9 = 329

Chi Square= 4.851426E-03

Number = 3389

0 = 338

1 = 339 + 1

2 = 339 + 1

3 = 339 + 1

4 = 339 + 1

5 = 339 + 1

6 = 339 + 1

7 = 339 + 1

8 = 339 + 1

9 = 338

Chi Square= 4.722551E-03

Number = 3469

0 = 346

1 = 347 + 1

2 = 347 + 1

3 = 347 + 1

4 = 347 + 1

5 = 347 + 1

6 = 347 + 1

7 = 347 + 1

8 = 347 + 1

9 = 346

Chi Square= 4.613611E-03

Number = 3539

0 = 353

1 = 354 + 1

2 = 354 + 1

3 = 354 + 1

4 = 354 + 1

5 = 354 + 1

6 = 354 + 1

7 = 354 + 1

8 = 354 + 1

9 = 353

Chi Square= 4.52233E-03

Number = 3659

0 = 365

1 = 366 + 1

2 = 366 + 1

3 = 366 + 1

4 = 366 + 1

5 = 366 + 1

6 = 366 + 1

7 = 366 + 1

8 = 366 + 1

9 = 365

Chi Square= 4.373976E-03

Number = 3709

0 = 370

1 = 371 + 1

2 = 371 + 1

3 = 371 + 1

4 = 371 + 1

5 = 371 + 1

6 = 371 + 1

7 = 371 + 1

8 = 371 + 1

9 = 370

Chi Square= 4.314995E-03

Number = 3779

0 = 377

1 = 378 + 1

2 = 378 + 1

3 = 378 + 1

4 = 378 + 1

5 = 378 + 1

6 = 378 + 1

7 = 378 + 1

8 = 378 + 1

9 = 377

Chi Square= 4.235046E-03

Number = 3989

0 = 398

1 = 399 + 1

2 = 399 + 1

3 = 399 + 1

4 = 399 + 1

5 = 399 + 1

6 = 399 + 1

7 = 399 + 1

8 = 399 + 1

9 = 398

Chi Square= 4.012037E-03

Number = 4019

0 = 401

1 = 402 + 1

2 = 402 + 1

3 = 402 + 1

4 = 402 + 1

5 = 402 + 1

6 = 402 + 1

7 = 402 + 1

8 = 402 + 1

9 = 401

Chi Square= 3.982082E-03

Number = 4099

0 = 409

1 = 410 + 1

2 = 410 + 1

3 = 410 + 1

4 = 410 + 1

5 = 410 + 1

6 = 410 + 1

7 = 410 + 1

8 = 410 + 1

9 = 409

Chi Square= 3.904344E-03

Number = 4139

0 = 413

1 = 414 + 1

2 = 414 + 1

3 = 414 + 1

4 = 414 + 1

5 = 414 + 1

6 = 414 + 1

7 = 414 + 1

8 = 414 + 1

9 = 413

Chi Square= 3.866603E-03

Number = 4219

0 = 421

1 = 422 + 1

2 = 422 + 1

3 = 422 + 1

4 = 422 + 1

5 = 422 + 1

6 = 422 + 1

7 = 422 + 1

8 = 422 + 1

9 = 421

Chi Square= 3.793268E-03

Number = 4229

0 = 422

1 = 423 + 1

2 = 423 + 1

3 = 423 + 1

4 = 423 + 1

5 = 423 + 1

6 = 423 + 1

7 = 423 + 1

8 = 423 + 1

9 = 422

Chi Square= 3.784296E-03

Number = 4259

0 = 425

1 = 426 + 1

2 = 426 + 1

3 = 426 + 1

4 = 426 + 1

5 = 426 + 1

6 = 426 + 1

7 = 426 + 1

8 = 426 + 1

9 = 425

Chi Square= 3.757634E-03

Number = 4339

0 = 433

1 = 434 + 1

2 = 434 + 1

3 = 434 + 1

4 = 434 + 1

5 = 434 + 1

6 = 434 + 1

7 = 434 + 1

8 = 434 + 1

9 = 433

Chi Square= 3.688336E-03

Number = 4349

0 = 434

1 = 435 + 1

2 = 435 + 1

3 = 435 + 1

4 = 435 + 1

5 = 435 + 1

6 = 435 + 1

7 = 435 + 1

8 = 435 + 1

9 = 434

Chi Square= 3.679853E-03

Number = 5059

0 = 505

1 = 506 + 1

2 = 506 + 1

3 = 506 + 1

4 = 506 + 1

5 = 506 + 1

6 = 506 + 1

7 = 506 + 1

8 = 506 + 1

9 = 505

Chi Square= 3.163306E-03

Number = 5099

0 = 509

1 = 510 + 1

2 = 510 + 1

3 = 510 + 1

4 = 510 + 1

5 = 510 + 1

6 = 510 + 1

7 = 510 + 1

8 = 510 + 1

9 = 509

Chi Square= 3.138486E-03

Number = 5179

0 = 517

1 = 518 + 1

2 = 518 + 1

3 = 518 + 1

4 = 518 + 1

5 = 518 + 1

6 = 518 + 1

7 = 518 + 1

8 = 518 + 1

9 = 517

Chi Square= 3.089997E-03

Number = 5189

0 = 518

1 = 519 + 1

2 = 519 + 1

3 = 519 + 1

4 = 519 + 1

5 = 519 + 1

6 = 519 + 1

7 = 519 + 1

8 = 519 + 1

9 = 518

Chi Square= 3.084041E-03

Number = 5309

0 = 530

1 = 531 + 1

2 = 531 + 1

3 = 531 + 1

4 = 531 + 1

5 = 531 + 1

6 = 531 + 1

7 = 531 + 1

8 = 531 + 1

9 = 530

Chi Square= 3.014319E-03

Number = 5419

0 = 541

1 = 542 + 1

2 = 542 + 1

3 = 542 + 1

4 = 542 + 1

5 = 542 + 1

6 = 542 + 1

7 = 542 + 1

8 = 542 + 1

9 = 541

Chi Square= 2.95312E-03

Number = 5659

0 = 565

1 = 566 + 1

2 = 566 + 1

3 = 566 + 1

4 = 566 + 1

5 = 566 + 1

6 = 566 + 1

7 = 566 + 1

8 = 566 + 1

9 = 565

Chi Square= 2.827855E-03

Number = 5669

0 = 566

1 = 567 + 1

2 = 567 + 1

3 = 567 + 1

4 = 567 + 1

5 = 567 + 1

6 = 567 + 1

7 = 567 + 1

8 = 567 + 1

9 = 566

Chi Square= 2.822866E-03

Number = 5749

0 = 574

1 = 575 + 1

2 = 575 + 1

3 = 575 + 1

4 = 575 + 1

5 = 575 + 1

6 = 575 + 1

7 = 575 + 1

8 = 575 + 1

9 = 574

Chi Square= 2.783577E-03

Number = 5779

0 = 577

1 = 578 + 1

2 = 578 + 1

3 = 578 + 1

4 = 578 + 1

5 = 578 + 1

6 = 578 + 1

7 = 578 + 1

8 = 578 + 1

9 = 577

Chi Square= 2.769125E-03

Number = 5869

0 = 586

1 = 587 + 1

2 = 587 + 1

3 = 587 + 1

4 = 587 + 1

5 = 587 + 1

6 = 587 + 1

7 = 587 + 1

8 = 587 + 1

9 = 586

Chi Square= 2.726654E-03

Number = 5939

0 = 593

1 = 594 + 1

2 = 594 + 1

3 = 594 + 1

4 = 594 + 1

5 = 594 + 1

6 = 594 + 1

7 = 594 + 1

8 = 594 + 1

9 = 593

Chi Square= 2.69451E-03

Number = 6029

0 = 602

1 = 603 + 1

2 = 603 + 1

3 = 603 + 1

4 = 603 + 1

5 = 603 + 1

6 = 603 + 1

7 = 603 + 1

8 = 603 + 1

9 = 602

Chi Square= 2.654281E-03

Number = 6269

0 = 626

1 = 627 + 1

2 = 627 + 1

3 = 627 + 1

4 = 627 + 1

5 = 627 + 1

6 = 627 + 1

7 = 627 + 1

8 = 627 + 1

9 = 626

Chi Square= 2.552649E-03

Number = 6389

0 = 638

1 = 639 + 1

2 = 639 + 1

3 = 639 + 1

4 = 639 + 1

5 = 639 + 1

6 = 639 + 1

7 = 639 + 1

8 = 639 + 1

9 = 638

Chi Square= 2.504697E-03

Number = 6619

0 = 661

1 = 662 + 1

2 = 662 + 1

3 = 662 + 1

4 = 662 + 1

5 = 662 + 1

6 = 662 + 1

7 = 662 + 1

8 = 662 + 1

9 = 661

Chi Square= 2.417649E-03

Number = 6659

0 = 665

1 = 666 + 1

2 = 666 + 1

3 = 666 + 1

4 = 666 + 1

5 = 666 + 1

6 = 666 + 1

7 = 666 + 1

8 = 666 + 1

9 = 665

Chi Square= 2.403124E-03

Number = 6709

0 = 670

1 = 671 + 1

2 = 671 + 1

3 = 671 + 1

4 = 671 + 1

5 = 671 + 1

6 = 671 + 1

7 = 671 + 1

8 = 671 + 1

9 = 670

Chi Square= 2.385212E-03

Number = 6779

0 = 677

1 = 678 + 1

2 = 678 + 1

3 = 678 + 1

4 = 678 + 1

5 = 678 + 1

6 = 678 + 1

7 = 678 + 1

8 = 678 + 1

9 = 677

Chi Square= 2.360579E-03

Number = 6829

0 = 682

1 = 683 + 1

2 = 683 + 1

3 = 683 + 1

4 = 683 + 1

5 = 683 + 1

6 = 683 + 1

7 = 683 + 1

8 = 683 + 1

9 = 682

Chi Square= 2.343293E-03

Number = 6869

0 = 686

1 = 687 + 1

2 = 687 + 1

3 = 687 + 1

4 = 687 + 1

5 = 687 + 1

6 = 687 + 1

7 = 687 + 1

8 = 687 + 1

9 = 686

Chi Square= 2.329645E-03

Number = 6899

0 = 689

1 = 690 + 1

2 = 690 + 1

3 = 690 + 1

4 = 690 + 1

5 = 690 + 1

6 = 690 + 1

7 = 690 + 1

8 = 690 + 1

9 = 689

Chi Square= 2.319513E-03

Number = 6949

0 = 694

1 = 695 + 1

2 = 695 + 1

3 = 695 + 1

4 = 695 + 1

5 = 695 + 1

6 = 695 + 1

7 = 695 + 1

8 = 695 + 1

9 = 694

Chi Square= 2.302821E-03

Number = 7019

0 = 701

1 = 702 + 1

2 = 702 + 1

3 = 702 + 1

4 = 702 + 1

5 = 702 + 1

6 = 702 + 1

7 = 702 + 1

8 = 702 + 1

9 = 701

Chi Square= 2.279852E-03

Number = 7069

0 = 706

1 = 707 + 1

2 = 707 + 1

3 = 707 + 1

4 = 707 + 1

5 = 707 + 1

6 = 707 + 1

7 = 707 + 1

8 = 707 + 1

9 = 706

Chi Square= 2.263724E-03

Number = 7109

0 = 710

1 = 711 + 1

2 = 711 + 1

3 = 711 + 1

4 = 711 + 1

5 = 711 + 1

6 = 711 + 1

7 = 711 + 1

8 = 711 + 1

9 = 710

Chi Square= 2.250985E-03

Number = 7219

0 = 721

1 = 722 + 1

2 = 722 + 1

3 = 722 + 1

4 = 722 + 1

5 = 722 + 1

6 = 722 + 1

7 = 722 + 1

8 = 722 + 1

9 = 721

Chi Square= 2.216681E-03

Number = 7229

0 = 722

1 = 723 + 1

2 = 723 + 1

3 = 723 + 1

4 = 723 + 1

5 = 723 + 1

6 = 723 + 1

7 = 723 + 1

8 = 723 + 1

9 = 722

Chi Square= 2.213614E-03

Number = 7309

0 = 730

1 = 731 + 1

2 = 731 + 1

3 = 731 + 1

4 = 731 + 1

5 = 731 + 1

6 = 731 + 1

7 = 731 + 1

8 = 731 + 1

9 = 730

Chi Square= 2.189382E-03

Number = 7349

0 = 734

1 = 735 + 1

2 = 735 + 1

3 = 735 + 1

4 = 735 + 1

5 = 735 + 1

6 = 735 + 1

7 = 735 + 1

8 = 735 + 1

9 = 734

Chi Square= 2.177464E-03

Number = 7459

0 = 745

1 = 746 + 1

2 = 746 + 1

3 = 746 + 1

4 = 746 + 1

5 = 746 + 1

6 = 746 + 1

7 = 746 + 1

8 = 746 + 1

9 = 745

Chi Square= 2.145348E-03

Number = 7499

0 = 749

1 = 750 + 1

2 = 750 + 1

3 = 750 + 1

4 = 750 + 1

5 = 750 + 1

6 = 750 + 1

7 = 750 + 1

8 = 750 + 1

9 = 749

Chi Square= 2.133903E-03

Number = 7699

0 = 769

1 = 770 + 1

2 = 770 + 1

3 = 770 + 1

4 = 770 + 1

5 = 770 + 1

6 = 770 + 1

7 = 770 + 1

8 = 770 + 1

9 = 769

Chi Square= 2.078462E-03

Number = 7829

0 = 782

1 = 783 + 1

2 = 783 + 1

3 = 783 + 1

4 = 783 + 1

5 = 783 + 1

6 = 783 + 1

7 = 783 + 1

8 = 783 + 1

9 = 782

Chi Square= 2.043945E-03

Number = 7949

0 = 794

1 = 795 + 1

2 = 795 + 1

3 = 795 + 1

4 = 795 + 1

5 = 795 + 1

6 = 795 + 1

7 = 795 + 1

8 = 795 + 1

9 = 794

Chi Square= 2.013085E-03

Number = 8059

0 = 805

1 = 806 + 1

2 = 806 + 1

3 = 806 + 1

4 = 806 + 1

5 = 806 + 1

6 = 806 + 1

7 = 806 + 1

8 = 806 + 1

9 = 805

Chi Square= 1.985605E-03

Number = 8069

0 = 806

1 = 807 + 1

2 = 807 + 1

3 = 807 + 1

4 = 807 + 1

5 = 807 + 1

6 = 807 + 1

7 = 807 + 1

8 = 807 + 1

9 = 806

Chi Square= 1.983144E-03

Number = 8179

0 = 817

1 = 818 + 1

2 = 818 + 1

3 = 818 + 1

4 = 818 + 1

5 = 818 + 1

6 = 818 + 1

7 = 818 + 1

8 = 818 + 1

9 = 817

Chi Square= 1.956469E-03

Number = 8219

0 = 821

1 = 822 + 1

2 = 822 + 1

3 = 822 + 1

4 = 822 + 1

5 = 822 + 1

6 = 822 + 1

7 = 822 + 1

8 = 822 + 1

9 = 821

Chi Square= 1.946946E-03

Number = 8269

0 = 826

1 = 827 + 1

2 = 827 + 1

3 = 827 + 1

4 = 827 + 1

5 = 827 + 1

6 = 827 + 1

7 = 827 + 1

8 = 827 + 1

9 = 826

Chi Square= 1.935172E-03

Number = 8389

0 = 838

1 = 839 + 1

2 = 839 + 1

3 = 839 + 1

4 = 839 + 1

5 = 839 + 1

6 = 839 + 1

7 = 839 + 1

8 = 839 + 1

9 = 838

Chi Square= 1.907487E-03

Number = 8429

0 = 842

1 = 843 + 1

2 = 843 + 1

3 = 843 + 1

4 = 843 + 1

5 = 843 + 1

6 = 843 + 1

7 = 843 + 1

8 = 843 + 1

9 = 842

Chi Square= 1.898434E-03

Number = 8669

0 = 866

1 = 867 + 1

2 = 867 + 1

3 = 867 + 1

4 = 867 + 1

5 = 867 + 1

6 = 867 + 1

7 = 867 + 1

8 = 867 + 1

9 = 866

Chi Square= 1.84587E-03

Number = 8699

0 = 869

1 = 870 + 1

2 = 870 + 1

3 = 870 + 1

4 = 870 + 1

5 = 870 + 1

6 = 870 + 1

7 = 870 + 1

8 = 870 + 1

9 = 869

Chi Square= 1.839504E-03

Number = 8819

0 = 881

1 = 882 + 1

2 = 882 + 1

3 = 882 + 1

4 = 882 + 1

5 = 882 + 1

6 = 882 + 1

7 = 882 + 1

8 = 882 + 1

9 = 881

Chi Square= 1.814471E-03

Number = 9029

0 = 902

1 = 903 + 1

2 = 903 + 1

3 = 903 + 1

4 = 903 + 1

5 = 903 + 1

6 = 903 + 1

7 = 903 + 1

8 = 903 + 1

9 = 902

Chi Square= 1.772264E-03

Number = 9059

0 = 905

1 = 906 + 1

2 = 906 + 1

3 = 906 + 1

4 = 906 + 1

5 = 906 + 1

6 = 906 + 1

7 = 906 + 1

8 = 906 + 1

9 = 905

Chi Square= 1.766395E-03

Number = 9109

0 = 910

1 = 911 + 1

2 = 911 + 1

3 = 911 + 1

4 = 911 + 1

5 = 911 + 1

6 = 911 + 1

7 = 911 + 1

8 = 911 + 1

9 = 910

Chi Square= 1.756698E-03

Number = 9539

0 = 953

1 = 954 + 1

2 = 954 + 1

3 = 954 + 1

4 = 954 + 1

5 = 954 + 1

6 = 954 + 1

7 = 954 + 1

8 = 954 + 1

9 = 953

Chi Square= 1.677501E-03

Number = 9629

0 = 962

1 = 963 + 1

2 = 963 + 1

3 = 963 + 1

4 = 963 + 1

5 = 963 + 1

6 = 963 + 1

7 = 963 + 1

8 = 963 + 1

9 = 962

Chi Square= 1.66182E-03

Number = 9739

0 = 973

1 = 974 + 1

2 = 974 + 1

3 = 974 + 1

4 = 974 + 1

5 = 974 + 1

6 = 974 + 1

7 = 974 + 1

8 = 974 + 1

9 = 973

Chi Square= 1.643048E-03

Number = 9749

0 = 974

1 = 975 + 1

2 = 975 + 1

3 = 975 + 1

4 = 975 + 1

5 = 975 + 1

6 = 975 + 1

7 = 975 + 1

8 = 975 + 1

9 = 974

Chi Square= 1.641363E-03

Number = 9829

0 = 982

1 = 983 + 1

2 = 983 + 1

3 = 983 + 1

4 = 983 + 1

5 = 983 + 1

6 = 983 + 1

7 = 983 + 1

8 = 983 + 1

9 = 982

Chi Square= 1.628002E-03

Number = 9949

0 = 994

1 = 995 + 1

2 = 995 + 1

3 = 995 + 1

4 = 995 + 1

5 = 995 + 1

6 = 995 + 1

7 = 995 + 1

8 = 995 + 1

9 = 994

Chi Square= 1.608364E-03

Here are more samples of prime numbers squared most numbers have nice pattern while some like 961, 1849 and 2809 set its own rules. Starting with a cyclic number ending with a 1 like 61, 131 and 181, squaring that number getting 3721, 17161 and 32761 the distribution of digits will also be a perfect 10 percent, see page 1 for a better list of these numbers. Many of the other numbers will be only 1 off except numbers like 703921 with a larger spread of 29 units.

By breaking the numbers down the cyclic numbers based on the last digit and then squaring the number. See the table below. The first five across all end with a one and then squared as 61 squared becomes 321 etc. the same with 23 squared is 529 then 7 is 49 19 is 361.

Number=61^2=3721

0 = 366

1 = 366

2 = 366

3 = 366

4 = 366

5 = 366

6 = 366

7 = 366

8 = 366

9 = 366

Number=23^2=529

0 = 50

1 = 51 + 1

2 = 51 + 1

3 = 50

4 = 51 + 1

5 = 51 + 1

6 = 50

7 = 51 + 1

8 = 51 + 1

9 = 50

Number=7^2=49

0 = 4

1 = 4

2 = 4

3 = 5 + 1

4 = 4

5 = 4

6 = 5 + 1

7 = 4

8 = 4

9 = 4

Number=19^2=361

0 = 35 + 1

1 = 34

2 = 34

3 = 34

4 = 34

5 = 34

6 = 34

7 = 34

8 = 34

9 = 35 + 1

Number=131^2=17161

0 = 1703

1 = 1703

2 = 1703

3 = 1703

4 = 1703

5 = 1703

6 = 1703

7 = 1703

8 = 1703

9 = 1703

Number=113^2=12769

0 = 1265

1 = 1266 + 1

2 = 1266 + 1

3 = 1265

4 = 1266 + 1

5 = 1266 + 1

6 = 1265

7 = 1266 + 1

8 = 1266 + 1

9 = 1265

Number=17^2=289

0 = 27

1 = 27

2 = 27

3 = 28 + 1

4 = 27

5 = 27

6 = 28 + 1

7 = 27

8 = 27

9 = 27

Number=29^2=841

0 = 82 + 1

1 = 81

2 = 81

3 = 81

4 = 81

5 = 81

6 = 81

7 = 81

8 = 81

9 = 82 + 1

Number=181^2=32761

0 = 3258

1 = 3258

2 = 3258

3 = 3258

4 = 3258

5 = 3258

6 = 3258

7 = 3258

8 = 3258

9 = 3258

Number=193^2=37249

0 = 3705

1 = 3706 + 1

2 = 3706 + 1

3 = 3705

4 = 3706 + 1

5 = 3706 + 1

6 = 3705

7 = 3706 + 1

8 = 3706 + 1

9 = 3705

Number=47^2=2209

0 = 216

1 = 216

2 = 216

3 = 217 + 1

4 = 216

5 = 216

6 = 217 + 1

7 = 216

8 = 216

9 = 216

Number=109^2=11881

0 = 1178 + 1

1 = 1177

2 = 1177

3 = 1177

4 = 1177

5 = 1177

6 = 1177

7 = 1177

8 = 1177

9 = 1178 + 1

Number=464^2=212521

0 = 21206

1 = 21206

2 = 21206

3 = 21206

4 = 21206

5 = 21206

6 = 21206

7 = 21206

8 = 21206

9 = 21206

Number=223^2=49729

0 = 4950

1 = 4951 + 1

2 = 4951 + 1

3 = 4950

4 = 4951 + 1

5 = 4951 + 1

6 = 4950

7 = 4951 + 1

8 = 4951 + 1

9 = 4950

Number=97^2=9409

0 = 931

1 = 931

2 = 931

3 = 932 + 1

4 = 931

5 = 931

6 = 932 + 1

7 = 931

8 = 931

9 = 931

Number=149^2=22201

0 = 2206 + 1

1 = 2205

2 = 2205

3 = 2205

4 = 2205

5 = 2205

6 = 2205

7 = 2205

8 = 2205

9 = 2206 + 1

Number=491^2=241081

0 = 24059

1 = 24059

2 = 24059

3 = 24059

4 = 24059

5 = 24059

6 = 24059

7 = 24059

8 = 24059

9 = 24059

Number=433^2=187489

0 = 18705

1 = 18706 + 1

2 = 18706 + 1

3 = 18705

4 = 18706 + 1

5 = 18706 + 1

6 = 18705

7 = 18706 + 1

8 = 18706 + 1

9 = 18705

Number=167^2=27889

0 = 2772

1 = 2772

2 = 2772

3 = 2773 + 1

4 = 2772

5 = 2772

6 = 2773 + 1

7 = 2772

8 = 2772

9 = 2772

Number=179^2=32041

0 = 3187 + 1

1 = 3186

2 = 3186

3 = 3186

4 = 3186

5 = 3186

6 = 3186

7 = 3186

8 = 3186

9 = 3187 + 1

Here are all the prime numbers under 1000 squared with the plus numbers as in 11^2 has one extra 0 and 9. In many cases the pattern is 0,9 etc are the same as in 13^2.

Number = 7^2= 49

0=4

1=4

2=4

3=5 + 1

4=4

5=4

6=5 + 1

7=4

8=4

9=4

Chi Square= .3809524

Number = 11^2= 121

0=3 + 1

1=2

2=2

3=2

4=2

5=2

6=2

7=2

8=2

9=3 + 1

Chi Square= .7272727

Number = 13^2= 169

0=8 + 1

1=7

2=8 + 1

3=8 + 1

4=8 + 1

5=8 + 1

6=8 + 1

7=8 + 1

8=7

9=8 + 1

Chi Square= .2051282

Number = 17^2= 289

0=27

1=27

2=27

3=28 + 1

4=27

5=27

6=28 + 1

7=27

8=27

9=27

Chi Square= 5.882353E-02

Number = 19^2= 361

0=35 + 1

1=34

2=34

3=34

4=34

5=34

6=34

7=34

8=34

9=35 + 1

Chi Square= 4.678363E-02

Number = 23^2= 529

0=50

1=51 + 1

2=51 + 1

3=50

4=51 + 1

5=51 + 1

6=50

7=51 + 1

8=51 + 1

9=50

Chi Square= 4.743084E-02

Number = 29^2= 841

0=82 + 1

1=81

2=81

3=81

4=81

5=81

6=81

7=81

8=81

9=82 + 1

Chi Square= 1.970443E-02

Number = 31^2= 961

0=47 + 2

1=47 + 2

2=48 + 3

3=46 + 1

4=46 + 1

5=47 + 2

6=47 + 2

7=45

8=46 + 1

9=46 + 1

Chi Square= .1397849

Number = 37^2= 1369

0=11 + 1

1=12 + 2

2=11 + 1

3=11 + 1

4=11 + 1

5=11 + 1

6=11 + 1

7=11 + 1

8=12 + 2

9=10

Chi Square= .2612612

Number = 41^2= 1681

0=21 + 1

1=20

2=21 + 1

3=21 + 1

4=21 + 1

5=20

6=20

7=20

8=20

9=21 + 1

Chi Square= .1219512

Number = 43^2= 1849

0=90 + 2

1=93 + 5

2=88

3=89 + 1

4=93 + 5

5=88

6=91 + 3

7=93 + 5

8=88

9=90 + 2

Chi Square= .4440752

Number = 47^2= 2209

0=216

1=216

2=216

3=217 + 1

4=216

5=216

6=217 + 1

7=216

8=216

9=216

Chi Square= 7.400555E-03

Number = 53^2= 2809

0=69 + 1

1=68

2=70 + 2

3=68

4=69 + 1

5=68

6=70 + 2

7=69 + 1

8=68

9=70 + 2

Chi Square= .1001451

Number = 59^2= 3481

0=343 + 1

1=342

2=342

3=342

4=342

5=342

6=342

7=342

8=342

9=343 + 1

Chi Square= 4.675629E-03

Number = 61^2= 3721

0=366

1=366

2=366

3=366

4=366

5=366

6=366

7=366

8=366

9=366

Chi Square= 0

Number = 67^2= 4489

0=221 + 3

1=224 + 6

2=218

3=220 + 2

4=224 + 6

5=218

6=223 + 5

7=224 + 6

8=218

9=221 + 3

Chi Square= .2663953

Number = 71^2= 5041

0=251 + 5

1=249 + 3

2=250 + 4

3=248 + 2

4=248 + 2

5=249 + 3

6=249 + 3

7=247 + 1

8=248 + 2

9=246

Chi Square= 7.444668E-02

Number = 73^2= 5329

0=58

1=58

2=59 + 1

3=59 + 1

4=58

5=58

6=59 + 1

7=59 + 1

8=58

9=58

Chi Square= 4.109589E-02

Number = 79^2= 6241

0=104 + 3

1=101

2=103 + 2

3=103 + 2

4=103 + 2

5=103 + 2

6=104 + 3

7=101

8=102 + 1

9=103 + 2

Chi Square= 9.834471E-02

Number = 83^2= 6889

0=340 + 3

1=344 + 7

2=337

3=341 + 4

4=344 + 7

5=337

6=339 + 2

7=344 + 7

8=337

9=340 + 3

Chi Square= .2236262

Number = 89^2= 7921

0=391

1=391

2=391

3=394 + 3

4=391

5=391

6=394 + 3

7=391

8=391

9=391

Chi Square= 3.677221E-02

Number = 97^2= 9409

0=931

1=931

2=931

3=932 + 1

4=931

5=931

6=932 + 1

7=931

8=931

9=931

Chi Square= 1.718213E-03

Number = 101^2= 10201

0=42 + 2

1=40

2=40

3=40

4=40

5=40

6=40

7=40

8=40

9=42 + 2

Chi Square= .1584159

Number = 103^2= 10609

0=352 + 6

1=346

2=351 + 5

3=352 + 6

4=350 + 4

5=350 + 4

6=352 + 6

7=351 + 5

8=346

9=352 + 6

Chi Square= .1416333

Number = 107^2= 11449

0=567 + 4

1=571 + 8

2=563

3=568 + 5

4=571 + 8

5=563

6=567 + 4

7=571 + 8

8=563

9=567 + 4

Chi Square= .1708693

Number = 109^2= 11881

0=1178 + 1

1=1177

2=1177

3=1177

4=1177

5=1177

6=1177

7=1177

8=1177

9=1178 + 1

Chi Square= 1.359157E-03

Number = 113^2= 12769

0=1265

1=1266 + 1

2=1266 + 1

3=1265

4=1266 + 1

5=1266 + 1

6=1265

7=1266 + 1

8=1266 + 1

9=1265

Chi Square= 1.896334E-03

Number = 127^2= 16129

0=532 + 2

1=535 + 5

2=535 + 5

3=530

4=535 + 5

5=535 + 5

6=530

7=535 + 5

8=535 + 5

9=532 + 2

Chi Square= 7.949006E-02

Number = 131^2= 17161

0=1703

1=1703

2=1703

3=1703

4=1703

5=1703

6=1703

7=1703

8=1703

9=1703

Chi Square= 0

Number = 137^2= 18769

0=108

1=112 + 4

2=110 + 2

3=108

4=110 + 2

5=110 + 2

6=108

7=110 + 2

8=112 + 4

9=108

Chi Square= .2043795

Number = 139^2= 19321

0=640 + 3

1=641 + 4

2=640 + 3

3=639 + 2

4=637

5=637

6=639 + 2

7=640 + 3

8=641 + 4

9=640 + 3

Chi Square= 2.877698E-02

Number = 149^2= 22201

0=2206 + 1

1=2205

2=2205

3=2205

4=2205

5=2205

6=2205

7=2205

8=2205

9=2206 + 1

Chi Square= 7.255578E-04

Number = 151^2= 22801

0=1133 + 5

1=1134 + 6

2=1137 + 9

3=1131 + 3

4=1131 + 3

5=1134 + 6

6=1134 + 6

7=1128

8=1131 + 3

9=1132 + 4

Chi Square= 4.812362E-02

Number = 157^2= 24649

0=1222

1=1229 + 7

2=1224 + 2

3=1223 + 1

4=1225 + 3

5=1225 + 3

6=1223 + 1

7=1224 + 2

8=1229 + 7

9=1222

Chi Square= 4.768904E-02

Number = 163^2= 26569

0=1320 + 4

1=1325 + 9

2=1316

3=1317 + 1

4=1325 + 9

5=1316

6=1323 + 7

7=1325 + 9

8=1316

9=1320 + 4

Chi Square= .1061122

Number = 167^2= 27889

0=2772

1=2772

2=2772

3=2773 + 1

4=2772

5=2772

6=2773 + 1

7=2772

8=2772

9=2772

Chi Square= 5.771589E-04

Number = 173^2= 29929

0=743 + 2

1=741

2=748 + 7

3=743 + 2

4=742 + 1

5=745 + 4

6=746 + 5

7=741

8=743 + 2

9=747 + 6

Chi Square= 7.380024E-02

Number = 179^2= 32041

0=3187 + 1

1=3186

2=3186

3=3186

4=3186

5=3186

6=3186

7=3186

8=3186

9=3187 + 1

Chi Square= 5.021656E-04

Number = 181^2= 32761

0=3258

1=3258

2=3258

3=3258

4=3258

5=3258

6=3258

7=3258

8=3258

9=3258

Chi Square= 0

Number = 191^2= 36481

0=1820 + 11

1=1815 + 6

2=1816 + 7

3=1814 + 5

4=1814 + 5

5=1815 + 6

6=1815 + 6

7=1813 + 4

8=1814 + 5

9=1809

Chi Square= 3.664922E-02

Number = 193^2= 37249

0=3705

1=3706 + 1

2=3706 + 1

3=3705

4=3706 + 1

5=3706 + 1

6=3705

7=3706 + 1

8=3706 + 1

9=3705

Chi Square= 6.476684E-04

Number = 197^2= 38809

0=1928

1=1934 + 6

2=1929 + 1

3=1930 + 2

4=1932 + 4

5=1932 + 4

6=1930 + 2

7=1929 + 1

8=1934 + 6

9=1928

Chi Square= 2.403398E-02

Number = 199^2= 39601

0=1973 + 6

1=1971 + 4

2=1973 + 6

3=1969 + 2

4=1969 + 2

5=1971 + 4

6=1971 + 4

7=1967

8=1969 + 2

9=1968 + 1

Chi Square= 1.873001E-02

Number = 211^2= 44521

0=636 + 5

1=631

2=632 + 1

3=634 + 3

4=632 + 1

5=632 + 1

6=634 + 3

7=632 + 1

8=631

9=636 + 5

Chi Square= 5.055292E-02

Number = 223^2= 49729

0=4950

1=4951 + 1

2=4951 + 1

3=4950

4=4951 + 1

5=4951 + 1

6=4950

7=4951 + 1

8=4951 + 1

9=4950

Chi Square= 4.847897E-04

Number = 227^2= 51529

0=2565 + 6

1=2571 + 12

2=2559

3=2567 + 8

4=2571 + 12

5=2559

6=2564 + 5

7=2571 + 12

8=2559

9=2565 + 6

Chi Square= 8.611751E-02

Number = 229^2= 52441

0=5222 + 1

1=5221

2=5221

3=5221

4=5221

5=5221

6=5221

7=5221

8=5221

9=5222 + 1

Chi Square= 3.06443E-04

Number = 233^2= 54289

0=5405

1=5406 + 1

2=5406 + 1

3=5405

4=5406 + 1

5=5406 + 1

6=5405

7=5406 + 1

8=5406 + 1

9=5405

Chi Square= 4.43984E-04

Number = 239^2= 57121

0=168 + 2

1=167 + 1

2=168 + 2

3=168 + 2

4=168 + 2

5=166

6=168 + 2

7=168 + 2

8=166

9=166

Chi Square= 4.841602E-02

Number = 241^2= 58081

0=725 + 4

1=721

2=722 + 1

3=724 + 3

4=723 + 2

5=723 + 2

6=724 + 3

7=722 + 1

8=721

9=725 + 4

Chi Square= 2.766252E-02

Number = 251^2= 63001

0=1259 + 5

1=1254

2=1254

3=1254

4=1254

5=1254

6=1254

7=1254

8=1254

9=1259 + 5

Chi Square= 3.187251E-02

Number = 257^2= 66049

0=6579

1=6579

2=6579

3=6580 + 1

4=6579

5=6579

6=6580 + 1

7=6579

8=6579

9=6579

Chi Square= 2.431907E-04

Number = 263^2= 69169

0=6890

1=6891 + 1

2=6891 + 1

3=6890

4=6891 + 1

5=6891 + 1

6=6890

7=6891 + 1

8=6891 + 1

9=6890

Chi Square= 3.483006E-04

Number = 269^2= 72361

0=7210 + 1

1=7209

2=7209

3=7209

4=7209

5=7209

6=7209

7=7209

8=7209

9=7210 + 1

Chi Square= 2.219387E-04

Number = 271^2= 73441

0=137 + 2

1=135

2=135

3=136 + 1

4=135

5=135

6=136 + 1

7=135

8=135

9=136 + 1

Chi Square= 3.321033E-02

Number = 277^2= 76729

0=1908 + 2

1=1913 + 7

2=1914 + 8

3=1910 + 4

4=1906

5=1917 + 11

6=1911 + 5

7=1908 + 2

8=1914 + 8

9=1912 + 6

Chi Square= 5.341913E-02

Number = 281^2= 78961

0=787 + 1

1=789 + 3

2=786

3=786

4=786

5=786

6=786

7=786

8=789 + 3

9=787 + 1

Chi Square= 1.728521E-02

Number = 283^2= 80089

0=3990 + 6

1=3997 + 13

2=3984

3=3988 + 4

4=3997 + 13

5=3984

6=3992 + 8

7=3997 + 13

8=3984

9=3990 + 6

Chi Square= 6.568429E-02

Number = 293^2= 85849

0=4281 + 8

1=4273

2=4280 + 7

3=4279 + 6

4=4276 + 3

5=4276 + 3

6=4279 + 6

7=4280 + 7

8=4273

9=4281 + 8

Chi Square= 2.001029E-02

Number = 307^2= 94249

0=4697 + 7

1=4704 + 14

2=4690

3=4695 + 5

4=4704 + 14

5=4690

6=4700 + 10

7=4704 + 14

8=4690

9=4697 + 7

Chi Square= 6.533819E-02

Number = 311^2= 96721

0=4829 + 17

1=4821 + 9

2=4822 + 10

3=4820 + 8

4=4820 + 8

5=4821 + 9

6=4821 + 9

7=4819 + 7

8=4820 + 8

9=4812

Chi Square= 3.122083E-02

Number = 313^2= 97969

0=9765

1=9766 + 1

2=9766 + 1

3=9765

4=9766 + 1

5=9766 + 1

6=9765

7=9766 + 1

8=9766 + 1

9=9765

Chi Square= 2.457608E-04

Number = 317^2= 100489

0=2501

1=2508 + 7

2=2505 + 4

3=2505 + 4

4=2501

5=2510 + 9

6=2502 + 1

7=2501

8=2507 + 6

9=2503 + 2

Chi Square= 3.757536E-02

Number = 331^2= 109561

0=3640 + 2

1=3638

2=3641 + 3

3=3643 + 5

4=3643 + 5

5=3643 + 5

6=3643 + 5

7=3641 + 3

8=3638

9=3640 + 2

Chi Square= 9.887394E-03

Number = 337^2= 113569

0=11323

1=11323

2=11323

3=11324 + 1

4=11323

5=11323

6=11324 + 1

7=11323

8=11323

9=11323

Chi Square= 1.413028E-04

Number = 347^2= 120409

0=6003 + 7

1=6010 + 14

2=5996

3=6004 + 8

4=6010 + 14

5=5996

6=6003 + 7

7=6010 + 14

8=5996

9=6003 + 7

Chi Square= 4.912462E-02

Number = 349^2= 121801

0=4050 + 9

1=4041

2=4049 + 8

3=4049 + 8

4=4053 + 12

5=4053 + 12

6=4049 + 8

7=4049 + 8

8=4041

9=4050 + 9

Chi Square= 3.912657E-02

Number = 353^2= 124609

0=1133 + 10

1=1123

2=1132 + 9

3=1135 + 12

4=1125 + 2

5=1125 + 2

6=1135 + 12

7=1132 + 9

8=1123

9=1133 + 10

Chi Square= .1968839

Number = 359^2= 128881

0=6434 + 15

1=6427 + 8

2=6429 + 10

3=6425 + 6

4=6425 + 6

5=6427 + 8

6=6427 + 8

7=6423 + 4

8=6425 + 6

9=6419

Chi Square= 2.130374E-02

Number = 367^2= 134689

0=13432

1=13432

2=13432

3=13433 + 1

4=13432

5=13432

6=13433 + 1

7=13432

8=13432

9=13432

Chi Square= 1.191168E-04

Number = 373^2= 139129

0=6941 + 9

1=6932

2=6939 + 7

3=6940 + 8

4=6937 + 5

5=6937 + 5

6=6940 + 8

7=6939 + 7

8=6932

9=6941 + 9

Chi Square= 1.464441E-02

Number = 379^2= 143641

0=14327 + 1

1=14326

2=14326

3=14326

4=14326

5=14326

6=14326

7=14326

8=14326

9=14327 + 1

Chi Square= 1.116835E-04

Number = 383^2= 146689

0=14630

1=14631 + 1

2=14631 + 1

3=14630

4=14631 + 1

5=14631 + 1

6=14630

7=14631 + 1

8=14631 + 1

9=14630

Chi Square= 1.640399E-04

Number = 389^2= 151321

0=15094 + 1

1=15093

2=15093

3=15093

4=15093

5=15093

6=15093

7=15093

8=15093

9=15094 + 1

Chi Square= 1.06008E-04

Number = 397^2= 157609

0=3927 + 1

1=3936 + 10

2=3931 + 5

3=3926

4=3935 + 9

5=3926

6=3932 + 6

7=3929 + 3

8=3931 + 5

9=3930 + 4

Chi Square= 2.750426E-02

Number = 401^2= 160801

0=8022 + 7

1=8021 + 6

2=8021 + 6

3=8015

4=8021 + 6

5=8021 + 6

6=8015

7=8021 + 6

8=8021 + 6

9=8022 + 7

Chi Square= 7.98005E-03

Number = 409^2= 167281

0=8340

1=8345 + 5

2=8345 + 5

3=8343 + 3

4=8345 + 5

5=8345 + 5

6=8343 + 3

7=8345 + 5

8=8345 + 5

9=8340

Chi Square= 4.60233E-03

Number = 419^2= 175561

0=17515 + 1

1=17514

2=17514

3=17514

4=17514

5=17514

6=17514

7=17514

8=17514

9=17515 + 1

Chi Square= 9.13548E-05

Number = 421^2= 177241

0=5893 + 1

1=5900 + 8

2=5892

3=5893 + 1

4=5892

5=5892

6=5893 + 1

7=5892

8=5900 + 8

9=5893 + 1

Chi Square= 1.560909E-02

Number = 431^2= 185761

0=9274 + 15

1=9268 + 9

2=9271 + 12

3=9265 + 6

4=9265 + 6

5=9268 + 9

6=9268 + 9

7=9262 + 3

8=9265 + 6

9=9259

Chi Square= 1.796795E-02

Number = 433^2= 187489

0=18705

1=18706 + 1

2=18706 + 1

3=18705

4=18706 + 1

5=18706 + 1

6=18705

7=18706 + 1

8=18706 + 1

9=18705

Chi Square= 1.283039E-04

Number = 439^2= 192721

0=9618 + 10

1=9616 + 8

2=9620 + 12

3=9612 + 4

4=9612 + 4

5=9616 + 8

6=9616 + 8

7=9608

8=9612 + 4

9=9611 + 3

Chi Square= 1.257528E-02

Number = 443^2= 196249

0=9790 + 6

1=9797 + 13

2=9784

3=9791 + 7

4=9797 + 13

5=9784

6=9789 + 5

7=9797 + 13

8=9784

9=9790 + 6

Chi Square= 2.615855E-02

Number = 449^2= 201601

0=1436 + 3

1=1437 + 4

2=1433

3=1440 + 7

4=1438 + 5

5=1438 + 5

6=1440 + 7

7=1433

8=1437 + 4

9=1436 + 3

Chi Square= 3.730512E-02

Number = 457^2= 208849

0=6941 + 6

1=6952 + 17

2=6952 + 17

3=6935

4=6952 + 17

5=6952 + 17

6=6935

7=6952 + 17

8=6952 + 17

9=6941 + 6

Chi Square= 7.290107E-02

Number = 461^2= 212521

0=21206

1=21206

2=21206

3=21206

4=21206

5=21206

6=21206

7=21206

8=21206

9=21206

Chi Square= 0

Number = 463^2= 214369

0=7135 + 11

1=7124

2=7135 + 11

3=7129 + 5

4=7128 + 4

5=7128 + 4

6=7129 + 5

7=7135 + 11

8=7124

9=7135 + 11

Chi Square= 2.546913E-02

Number = 467^2= 218089

0=10881 + 7

1=10888 + 14

2=10874

3=10885 + 11

4=10888 + 14

5=10874

6=10878 + 4

7=10888 + 14

8=10874

9=10881 + 7

Chi Square= .0293077

Number = 479^2= 229441

0=11459 + 21

1=11449 + 11

2=11451 + 13

3=11447 + 9

4=11447 + 9

5=11449 + 11

6=11449 + 11

7=11445 + 7

8=11447 + 9

9=11438

Chi Square= 2.139219E-02

Number = 487^2= 237169

0=49 + 10

1=39

2=50 + 11

3=57 + 18

4=48 + 9

5=48 + 9

6=57 + 18

7=50 + 11

8=39

9=49 + 10

Chi Square= 6.798354

Number = 491^2= 241081

0=24059

1=24059

2=24059

3=24059

4=24059

5=24059

6=24059

7=24059

8=24059

9=24059

Chi Square= 0

Number = 499^2= 249001

0=24851 + 1

1=24850

2=24850

3=24850

4=24850

5=24850

6=24850

7=24850

8=24850

9=24851 + 1

Chi Square= 6.438605E-05

Number = 503^2= 253009

0=25250

1=25251 + 1

2=25251 + 1

3=25250

4=25251 + 1

5=25251 + 1

6=25250

7=25251 + 1

8=25251 + 1

9=25250

Chi Square= 9.504731E-05

Number = 509^2= 259081

0=25858 + 1

1=25857

2=25857

3=25857

4=25857

5=25857

6=25857

7=25857

8=25857

9=25858 + 1

Chi Square= 6.187856E-05

Number = 521^2= 271441

0=2711 + 5

1=2711 + 5

2=2706

3=2708 + 2

4=2710 + 4

5=2710 + 4

6=2708 + 2

7=2706

8=2711 + 5

9=2711 + 5

Chi Square= 1.387864E-02

Number = 523^2= 273529

0=13650 + 9

1=13660 + 19

2=13641

3=13648 + 7

4=13660 + 19

5=13641

6=13652 + 11

7=13660 + 19

8=13641

9=13650 + 9

Chi Square= 4.029948E-02

Number = 541^2= 292681

0=29214

1=29214

2=29214

3=29214

4=29214

5=29214

6=29214

7=29214

8=29214

9=29214

Chi Square= 0

Number = 547^2= 299209

0=4976 + 7

1=4977 + 8

2=4980 + 11

3=4975 + 6

4=4978 + 9

5=4978 + 9

6=4982 + 13

7=4978 + 9

8=4969

9=4984 + 15

Chi Square= 3.015449E-02

Number = 557^2= 310249

0=15481

1=15489 + 8

2=15482 + 1

3=15484 + 3

4=15487 + 6

5=15487 + 6

6=15484 + 3

7=15482 + 1

8=15489 + 8

9=15481

Chi Square= 5.838058E-03

Number = 563^2= 316969

0=15820 + 9

1=15830 + 19

2=15811

3=15824 + 13

4=15830 + 19

5=15811

6=15816 + 5

7=15830 + 19

8=15811

9=15820 + 9

Chi Square= 3.628882E-02

Number = 569^2= 323761

0=16158

1=16158

2=16158

3=16166 + 8

4=16158

5=16158

6=16166 + 8

7=16158

8=16158

9=16158

Chi Square= 6.336791E-03

Number = 571^2= 326041

0=32547

1=32547

2=32547

3=32547

4=32547

5=32547

6=32547

7=32547

8=32547

9=32547

Chi Square= 0

Number = 577^2= 332929

0=33235

1=33235

2=33235

3=33236 + 1

4=33235

5=33235

6=33236 + 1

7=33235

8=33235

9=33235

Chi Square= 4.814192E-05

Number = 587^2= 344569

0=17199 + 8

1=17207 + 16

2=17191

3=17202 + 11

4=17207 + 16

5=17191

6=17197 + 6

7=17207 + 16

8=17191

9=17199 + 8

Chi Square= 2.307679E-02

Number = 593^2= 351649

0=35105

1=35106 + 1

2=35106 + 1

3=35105

4=35106 + 1

5=35106 + 1

6=35105

7=35106 + 1

8=35106 + 1

9=35105

Chi Square= 6.836585E-05

Number = 599^2= 358801

0=17921 + 21

1=17911 + 11

2=17913 + 13

3=17909 + 9

4=17909 + 9

5=17911 + 11

6=17911 + 11

7=17907 + 7

8=17909 + 9

9=17900

Chi Square= 1.367385E-02

Number = 601^2= 361201

0=18035 + 7

1=18028

2=18028

3=18031 + 3

4=18028

5=18028

6=18031 + 3

7=18028

8=18028

9=18035 + 7

Chi Square= 4.215197E-03

Number = 607^2= 368449

0=12266 + 14

1=12252

2=12268 + 16

3=12261 + 9

4=12260 + 8

5=12260 + 8

6=12261 + 9

7=12268 + 16

8=12252

9=12266 + 14

Chi Square= 2.531522E-02

Number = 613^2= 375769

0=3129 + 8

1=3127 + 6

2=3122 + 1

3=3131 + 10

4=3126 + 5

5=3122 + 1

6=3130 + 9

7=3130 + 9

8=3121

9=3125 + 4

Chi Square= 3.969548E-02

Number = 617^2= 380689

0=5434 + 12

1=5422

2=5430 + 8

3=5437 + 15

4=5425 + 3

5=5425 + 3

6=5437 + 15

7=5430 + 8

8=5422

9=5434 + 12

Chi Square= 5.643142E-02

Number = 619^2= 383161

0=38255 + 1

1=38254

2=38254

3=38254

4=38254

5=38254

6=38254

7=38254

8=38254

9=38255 + 1

Chi Square= 4.182563E-05

Number = 631^2= 398161

0=19878 + 9

1=19879 + 10

2=19884 + 15

3=19874 + 5

4=19874 + 5

5=19879 + 10

6=19879 + 10

7=19869

8=19874 + 5

9=19875 + 6

Chi Square= 7.772998E-03

Number = 641^2= 410881

0=2055 + 6

1=2049

2=2050 + 1

3=2051 + 2

4=2051 + 2

5=2051 + 2

6=2051 + 2

7=2050 + 1

8=2049

9=2055 + 6

Chi Square= 2.028081E-02

Number = 643^2= 413449

0=6881 + 12

1=6887 + 18

2=6869

3=6881 + 12

4=6887 + 18

5=6869

6=6890 + 21

7=6887 + 18

8=6869

9=6881 + 12

Chi Square= .089083

Number = 647^2= 418609

0=41796

1=41796

2=41796

3=41797 + 1

4=41796

5=41796

6=41797 + 1

7=41796

8=41796

9=41796

Chi Square= 3.828114E-05

Number = 653^2= 426409

0=21293 + 13

1=21280

2=21291 + 11

3=21290 + 10

4=21285 + 5

5=21285 + 5

6=21290 + 10

7=21291 + 11

8=21280

9=21293 + 13

Chi Square= 1.040972E-02

Number = 659^2= 434281

0=43363 + 1

1=43362

2=43362

3=43362

4=43362

5=43362

6=43362

7=43362

8=43362

9=43363 + 1

Chi Square= 3.689864E-05

Number = 661^2= 436921

0=14544 + 8

1=14542 + 6

2=14545 + 9

3=14543 + 7

4=14536

5=14536

6=14543 + 7

7=14545 + 9

8=14542 + 6

9=14544 + 8

Chi Square= 6.876633E-03

Number = 673^2= 452929

0=15082 + 17

1=15065

2=15080 + 15

3=15079 + 14

4=15070 + 5

5=15070 + 5

6=15079 + 14

7=15080 + 15

8=15065

9=15082 + 17

Chi Square= 2.849714E-02

Number = 677^2= 458329

0=22877

1=22891 + 14

2=22880 + 3

3=22880 + 3

4=22885 + 8

5=22885 + 8

6=22880 + 3

7=22880 + 3

8=22891 + 14

9=22877

Chi Square= .0105932

Number = 683^2= 466489

0=23290 + 8

1=23299 + 17

2=23282

3=23289 + 7

4=23299 + 17

5=23282

6=23291 + 9

7=23299 + 17

8=23282

9=23290 + 8

Chi Square= 1.872453E-02

Number = 691^2= 477481

0=15897 + 11

1=15894 + 8

2=15894 + 8

3=15886

4=15894 + 8

5=15894 + 8

6=15886

7=15894 + 8

8=15894 + 8

9=15897 + 11

Chi Square= 8.557227E-03

Number = 701^2= 491401

0=49070

1=49070

2=49070

3=49070

4=49070

5=49070

6=49070

7=49070

8=49070

9=49070

Chi Square= 0

Number = 709^2= 502681

0=50198 + 1

1=50197

2=50197

3=50197

4=50197

5=50197

6=50197

7=50197

8=50197

9=50198 + 1

Chi Square= 3.187441E-05

Number = 719^2= 516961

0=25826 + 27

1=25813 + 14

2=25815 + 16

3=25811 + 12

4=25811 + 12

5=25813 + 14

6=25813 + 14

7=25809 + 10

8=25811 + 12

9=25799

Chi Square= 1.506658E-02

Number = 727^2= 528529

0=52780

1=52780

2=52780

3=52781 + 1

4=52780

5=52780

6=52781 + 1

7=52780

8=52780

9=52780

Chi Square= 3.031451E-05

Number = 733^2= 537289

0=4470 + 1

1=4471 + 2

2=4472 + 3

3=4470 + 1

4=4472 + 3

5=4470 + 1

6=4474 + 5

7=4469

8=4473 + 4

9=4472 + 3

Chi Square= 4.942634E-03

Number = 739^2= 546121

0=18179 + 1

1=18180 + 2

2=18180 + 2

3=18178

4=18180 + 2

5=18180 + 2

6=18178

7=18180 + 2

8=18180 + 2

9=18179 + 1

Chi Square= 3.520469E-04

Number = 743^2= 552049

0=55130

1=55131 + 1

2=55131 + 1

3=55130

4=55131 + 1

5=55131 + 1

6=55130

7=55131 + 1

8=55131 + 1

9=55130

Chi Square= 4.353343E-05

Number = 751^2= 564001

0=9390 + 8

1=9384 + 2

2=9388 + 6

3=9385 + 3

4=9389 + 7

5=9393 + 11

6=9390 + 8

7=9387 + 5

8=9382

9=9387 + 5

Chi Square= 1.006658E-02

Number = 757^2= 573049

0=2046 + 8

1=2048 + 10

2=2042 + 4

3=2041 + 3

4=2046 + 8

5=2047 + 9

6=2038

7=2045 + 7

8=2047 + 9

9=2039 + 1

Chi Square= 5.719458E-02

Number = 761^2= 579121

0=28920 + 7

1=28919 + 6

2=28919 + 6

3=28913

4=28919 + 6

5=28919 + 6

6=28913

7=28919 + 6

8=28919 + 6

9=28920 + 7

Chi Square= 2.213154E-03

Number = 769^2= 591361

0=14762

1=14766 + 4

2=14765 + 3

3=14765 + 3

4=14766 + 4

5=14766 + 4

6=14765 + 3

7=14765 + 3

8=14766 + 4

9=14762

Chi Square= 1.462939E-03

Number = 773^2= 597529

0=14919 + 9

1=14915 + 5

2=14925 + 15

3=14919 + 9

4=14910

5=14924 + 14

6=14921 + 11

7=14917 + 7

8=14914 + 4

9=14925 + 15

Chi Square= 1.520889E-02

Number = 787^2= 619369

0=30929 + 12

1=30941 + 24

2=30917

3=30925 + 8

4=30941 + 24

5=30917

6=30934 + 17

7=30941 + 24

8=30917

9=30929 + 12

Chi Square= 2.925724E-02

Number = 797^2= 635209

0=15861 + 10

1=15867 + 16

2=15851

3=15863 + 12

4=15861 + 10

5=15863 + 12

6=15854 + 3

7=15866 + 15

8=15865 + 14

9=15852 + 1

Chi Square= 1.955197E-02

Number = 809^2= 654481

0=16339

1=16346 + 7

2=16343 + 4

3=16341 + 2

4=16340 + 1

5=16340 + 1

6=16341 + 2

7=16343 + 4

8=16346 + 7

9=16339

Chi Square= 3.769474E-03

Number = 811^2= 657721

0=65691

1=65691

2=65691

3=65691

4=65691

5=65691

6=65691

7=65691

8=65691

9=65691

Chi Square= 0

Number = 821^2= 674041

0=67322

1=67322

2=67322

3=67322

4=67322

5=67322

6=67322

7=67322

8=67322

9=67322

Chi Square= 0

Number = 823^2= 677329

0=67650

1=67651 + 1

2=67651 + 1

3=67650

4=67651 + 1

5=67651 + 1

6=67650

7=67651 + 1

8=67651 + 1

9=67650

Chi Square= 3.547677E-05

Number = 827^2= 683929

0=34155 + 11

1=34166 + 22

2=34144

3=34155 + 11

4=34166 + 22

5=34144

6=34156 + 12

7=34166 + 22

8=34144

9=34155 + 11

Chi Square= 2.128233E-02

Number = 829^2= 687241

0=22879 + 4

1=22875

2=22880 + 5

3=22884 + 9

4=22884 + 9

5=22884 + 9

6=22884 + 9

7=22880 + 5

8=22875

9=22879 + 4

Chi Square= 4.999912E-03

Number = 839^2= 703921

0=35169 + 29

1=35155 + 15

2=35157 + 17

3=35153 + 13

4=35153 + 13

5=35155 + 15

6=35155 + 15

7=35151 + 11

8=35153 + 13

9=35140

Chi Square= 1.265571E-02

Number = 853^2= 727609

0=18174 + 11

1=18163

2=18166 + 3

3=18176 + 13

4=18166 + 3

5=18172 + 9

6=18166 + 3

7=18172 + 9

8=18166 + 3

9=18168 + 5

Chi Square= 9.075947E-03

Number = 857^2= 734449

0=73359

1=73359

2=73359

3=73360 + 1

4=73359

5=73359

6=73360 + 1

7=73359

8=73359

9=73359

Chi Square= 2.181182E-05

Number = 859^2= 737881

0=2234 + 2

1=2232

2=2236 + 4

3=2233 + 1

4=2232

5=2232

6=2233 + 1

7=2236 + 4

8=2232

9=2234 + 2

Chi Square= 1.002955E-02

Number = 863^2= 744769

0=74390

1=74391 + 1

2=74391 + 1

3=74390

4=74391 + 1

5=74391 + 1

6=74390

7=74391 + 1

8=74391 + 1

9=74390

Chi Square= 3.226247E-05

Number = 877^2= 769129

0=38407

1=38422 + 15

2=38411 + 4

3=38409 + 2

4=38414 + 7

5=38414 + 7

6=38409 + 2

7=38411 + 4

8=38422 + 15

9=38407

Chi Square= 7.14349E-03

Number = 881^2= 776161

0=38769 + 10

1=38764 + 5

2=38764 + 5

3=38759

4=38764 + 5

5=38764 + 5

6=38759

7=38764 + 5

8=38764 + 5

9=38769 + 10

Chi Square= 2.579713E-03

Number = 883^2= 779689

0=38940 + 10

1=38951 + 21

2=38930

3=38934 + 4

4=38951 + 21

5=38930

6=38946 + 16

7=38951 + 21

8=38930

9=38940 + 10

Chi Square= 1.885193E-02

Number = 887^2= 786769

0=78588

1=78588

2=78588

3=78589 + 1

4=78588

5=78588

6=78589 + 1

7=78588

8=78588

9=78588

Chi Square= 2.036053E-05

Number = 907^2= 822649

0=13699 + 13

1=13702 + 16

2=13686

3=13700 + 14

4=13699 + 13

5=13691 + 5

6=13698 + 12

7=13701 + 15

8=13692 + 6

9=13689 + 3

Chi Square= .0210358

Number = 911^2= 829921

0=41463 + 25

1=41452 + 14

2=41455 + 17

3=41449 + 11

4=41449 + 11

5=41452 + 14

6=41452 + 14

7=41446 + 8

8=41449 + 11

9=41438

Chi Square= 8.841871E-03

Number = 919^2= 844561

0=42186 + 13

1=42185 + 12

2=42191 + 18

3=42179 + 6

4=42179 + 6

5=42185 + 12

6=42185 + 12

7=42173

8=42179 + 6

9=42179 + 6

Chi Square= 5.710953E-03

Number = 929^2= 863041

0=43102

1=43105 + 3

2=43105 + 3

3=43111 + 9

4=43105 + 3

5=43105 + 3

6=43111 + 9

7=43105 + 3

8=43105 + 3

9=43102

Chi Square= 2.00438E-03

Number = 937^2= 877969

0=87703

1=87703

2=87703

3=87704 + 1

4=87703

5=87703

6=87704 + 1

7=87703

8=87703

9=87703

Chi Square= 1.824446E-05

Number = 941^2= 885481

0=88454

1=88454

2=88454

3=88454

4=88454

5=88454

6=88454

7=88454

8=88454

9=88454

Chi Square= 0

Number = 947^2= 896809

0=44793 + 9

1=44802 + 18

2=44784

3=44792 + 8

4=44802 + 18

5=44784

6=44795 + 11

7=44802 + 18

8=44784

9=44793 + 9

Chi Square= 1.095928E-02

Number = 953^2= 908209

0=90725

1=90726 + 1

2=90726 + 1

3=90725

4=90726 + 1

5=90726 + 1

6=90725

7=90726 + 1

8=90726 + 1

9=90725

Chi Square= 2.645366E-05

Number = 967^2= 935089

0=31129

1=31152 + 23

2=31133 + 4

3=31135 + 6

4=31138 + 9

5=31138 + 9

6=31135 + 6

7=31133 + 4

8=31152 + 23

9=31129

Chi Square= 1.986036E-02

Number = 971^2= 942841

0=94187

1=94187

2=94187

3=94187

4=94187

5=94187

6=94187

7=94187

8=94187

9=94187

Chi Square= 0

Number = 977^2= 954529

0=95355

1=95355

2=95355

3=95356 + 1

4=95355

5=95355

6=95356 + 1

7=95355

8=95355

9=95355

Chi Square= 1.678039E-05

Number = 983^2= 966289

0=96530

1=96531 + 1

2=96531 + 1

3=96530

4=96531 + 1

5=96531 + 1

6=96530

7=96531 + 1

8=96531 + 1

9=96530

Chi Square= 2.486283E-05

Number = 991^2= 982081

0=49056 + 12

1=49058 + 14

2=49065 + 21

3=49051 + 7

4=49051 + 7

5=49058 + 14

6=49058 + 14

7=49044

8=49051 + 7

9=49053 + 9

Chi Square= 6.085068E-03

Number = 997^2= 994009

0=16544 + 4

1=16561 + 21

2=16552 + 12

3=16540

4=16554 + 14

5=16554 + 14

6=16540

7=16552 + 12

8=16561 + 21

9=16544 + 4

Chi Square= 3.344974E-02

Other documents to look at also, check them out.

"engert.us/erwin/miscellaneous.html" The main page where all the following and more can be found;

"engert.us/erwin/miscellaneous/A different collection of numbers.pdf" A listing of the Short repeating digits for larger numbers.

"engert.us/erwin/miscellaneous/Three large prime numbers and reciprocals.pdf" Three large numbers with a short repeating digits that can be used to create a banner.

"engert.us/erwin/miscellaneous/Cyclic numbers ending in one.pdf" Cyclic numbers ending in one is about the distribution of digits 0 through 9.

"engert.us/erwin/miscellaneous/New repeating digits list.pdf" A listing of larger numbers with 1 through 199 repeating digits.

"engert.us/erwin/miscellaneous/Reciprocals of prime numbers.pdf" A listing of the prime numbers with the number of repeating digits for up to 5,000,000 part one.

"engert.us/erwin/miscellaneous/Reciprocals of prime numbers part two.pdf" A listing of the prime numbers with the number of repeating digits for 5,000,000 to 10,000,000 part two.

"engert.us/erwin/miscellaneous/Short repeating digits under 1000000.pdf" A listing of the Short repeating digits less than 200.

Next I checked if breaking into groups of two digits starting with the first digits and treating it like a number between 00 and 99. The first grouping shows how the break down is for a single digit and the second is for the two digit break down. Looking at the first number 32761the first group is very close grouped or perfect and second group has a wider grouping 158 through 169. I could not find any good patterns from this study. The number 1051 seems to be the last number to have a 0 value, it just happens to be there are no 60’s. For the fun of it I added to the end of this page the value 966289 to show how the numbers range from 4812 to 4841 a difference of 29 which is not much of a spread with a Chi value of 0.67.

Number = 181^2= 32761

0 = 3258

1 = 3258

2 = 3258

3 = 3258

4 = 3258

5 = 3258

6 = 3258

7 = 3258

8 = 3258

9 = 3258

Chi Square= 0

Number = 181^2= 32761

0 = 163 + 5

1 = 160 + 2

2 = 167 + 9

3 = 163 + 5

4 = 162 + 4

5 = 162 + 4

6 = 161 + 3

7 = 166 + 8

8 = 165 + 7

9 = 162 + 4

10 = 158

11 = 163 + 5

12 = 164 + 6

13 = 167 + 9

14 = 161 + 3

15 = 162 + 4

16 = 163 + 5

17 = 161 + 3

18 = 168 + 10

19 = 160 + 2

20 = 163 + 5

21 = 164 + 6

22 = 159 + 1

23 = 167 + 9

24 = 164 + 6

25 = 160 + 2

26 = 163 + 5

27 = 161 + 3

28 = 166 + 8

29 = 164 + 6

30 = 162 + 4

31 = 160 + 2

32 = 162 + 4

33 = 163 + 5

34 = 168 + 10

35 = 160 + 2

36 = 162 + 4

37 = 163 + 5

38 = 162 + 4

39 = 167 + 9

40 = 162 + 4

41 = 162 + 4

42 = 163 + 5

43 = 159 + 1

44 = 169 + 11

45 = 163 + 5

46 = 161 + 3

47 = 161 + 3

48 = 161 + 3

49 = 166 + 8

50 = 166 + 8

51 = 161 + 3

52 = 161 + 3

53 = 161 + 3

54 = 163 + 5

55 = 169 + 11

56 = 159 + 1

57 = 163 + 5

58 = 162 + 4

59 = 162 + 4

60 = 167 + 9

61 = 162 + 4

62 = 163 + 5

63 = 162 + 4

64 = 160 + 2

65 = 168 + 10

66 = 163 + 5

67 = 162 + 4

68 = 160 + 2

69 = 162 + 4

70 = 164 + 6

71 = 166 + 8

72 = 161 + 3

73 = 163 + 5

74 = 160 + 2

75 = 164 + 6

76 = 167 + 9

77 = 159 + 1

78 = 164 + 6

79 = 163 + 5

80 = 160 + 2

81 = 168 + 10

82 = 161 + 3

83 = 163 + 5

84 = 162 + 4

85 = 161 + 3

86 = 167 + 9

87 = 164 + 6

88 = 163 + 5

89 = 158

90 = 162 + 4

91 = 165 + 7

92 = 166 + 8

93 = 161 + 3

94 = 162 + 4

95 = 162 + 4

96 = 163 + 5

97 = 167 + 9

98 = 160 + 2

99 = 163 + 5

Chi Square= 3.984041

Number = 193^2= 37249

0 = 3705

1 = 3706 + 1

2 = 3706 + 1

3 = 3705

4 = 3706 + 1

5 = 3706 + 1

6 = 3705

7 = 3706 + 1

8 = 3706 + 1

9 = 3705

Chi Square= 6.476684E-04

Number = 193^2= 37249

0 = 183 + 2

1 = 184 + 3

2 = 188 + 7

3 = 185 + 4

4 = 184 + 3

5 = 188 + 7

6 = 186 + 5

7 = 184 + 3

8 = 187 + 6

9 = 185 + 4

10 = 185 + 4

11 = 187 + 6

12 = 185 + 4

13 = 184 + 3

14 = 181

15 = 186 + 5

16 = 185 + 4

17 = 186 + 5

18 = 186 + 5

19 = 186 + 5

20 = 187 + 6

21 = 184 + 3

22 = 187 + 6

23 = 184 + 3

24 = 186 + 5

25 = 187 + 6

26 = 185 + 4

27 = 185 + 4

28 = 182 + 1

29 = 184 + 3

30 = 184 + 3

31 = 188 + 7

32 = 185 + 4

33 = 185 + 4

34 = 186 + 5

35 = 185 + 4

36 = 186 + 5

37 = 188 + 7

38 = 184 + 3

39 = 186 + 5

40 = 187 + 6

41 = 184 + 3

42 = 183 + 2

43 = 183 + 2

44 = 184 + 3

45 = 188 + 7

46 = 185 + 4

47 = 184 + 3

48 = 189 + 8

49 = 184 + 3

50 = 184 + 3

51 = 189 + 8

52 = 184 + 3

53 = 185 + 4

54 = 188 + 7

55 = 184 + 3

56 = 183 + 2

57 = 183 + 2

58 = 184 + 3

59 = 187 + 6

60 = 186 + 5

61 = 184 + 3

62 = 188 + 7

63 = 186 + 5

64 = 185 + 4

65 = 186 + 5

66 = 185 + 4

67 = 185 + 4

68 = 188 + 7

69 = 184 + 3

70 = 184 + 3

71 = 182 + 1

72 = 185 + 4

73 = 185 + 4

74 = 187 + 6

75 = 186 + 5

76 = 184 + 3

77 = 187 + 6

78 = 184 + 3

79 = 187 + 6

80 = 186 + 5

81 = 186 + 5

82 = 186 + 5

83 = 185 + 4

84 = 186 + 5

85 = 181

86 = 184 + 3

87 = 185 + 4

88 = 187 + 6

89 = 185 + 4

90 = 185 + 4

91 = 187 + 6

92 = 184 + 3

93 = 186 + 5

94 = 188 + 7

95 = 184 + 3

96 = 185 + 4

97 = 188 + 7

98 = 184 + 3

99 = 183 + 2

Chi Square= 1.51209

Number = 167^2= 27889

0 = 2772

1 = 2772

2 = 2772

3 = 2773 + 1

4 = 2772

5 = 2772

6 = 2773 + 1

7 = 2772

8 = 2772

9 = 2772

Chi Square= 5.771589E-04

Number = 167^2= 27889

0 = 144 + 11

1 = 139 + 6

2 = 133

3 = 144 + 11

4 = 140 + 7

5 = 133

6 = 144 + 11

7 = 138 + 5

8 = 134 + 1

9 = 144 + 11

10 = 138 + 5

11 = 134 + 1

12 = 143 + 10

13 = 140 + 7

14 = 134 + 1

15 = 141 + 8

16 = 142 + 9

17 = 133

18 = 141 + 8

19 = 142 + 9

20 = 133

21 = 141 + 8

22 = 141 + 8

23 = 134 + 1

24 = 141 + 8

25 = 140 + 7

26 = 135 + 2

27 = 141 + 8

28 = 139 + 6

29 = 136 + 3

30 = 142 + 9

31 = 138 + 5

32 = 136 + 3

33 = 142 + 9

34 = 138 + 5

35 = 136 + 3

36 = 141 + 8

37 = 139 + 6

38 = 136 + 3

39 = 142 + 9

40 = 138 + 5

41 = 136 + 3

42 = 141 + 8

43 = 138 + 5

44 = 138 + 5

45 = 139 + 6

46 = 139 + 6

47 = 137 + 4

48 = 140 + 7

49 = 138 + 5

50 = 139 + 6

51 = 138 + 5

52 = 140 + 7

53 = 138 + 5

54 = 138 + 5

55 = 139 + 6

56 = 139 + 6

57 = 137 + 4

58 = 141 + 8

59 = 139 + 6

60 = 136 + 3

61 = 141 + 8

62 = 138 + 5

63 = 136 + 3

64 = 141 + 8

65 = 139 + 6

66 = 136 + 3

67 = 141 + 8

68 = 139 + 6

69 = 136 + 3

70 = 141 + 8

71 = 138 + 5

72 = 136 + 3

73 = 142 + 9

74 = 137 + 4

75 = 137 + 4

76 = 143 + 10

77 = 136 + 3

78 = 137 + 4

79 = 144 + 11

80 = 135 + 2

81 = 136 + 3

82 = 144 + 11

83 = 135 + 2

84 = 137 + 4

85 = 143 + 10

86 = 137 + 4

87 = 135 + 2

88 = 143 + 10

89 = 139 + 6

90 = 133

91 = 143 + 10

92 = 139 + 6

93 = 134 + 1

94 = 144 + 11

95 = 137 + 4

96 = 134 + 1

97 = 144 + 11

98 = 138 + 5

99 = 133

Chi Square= 6.924388

Number

Number = 179^2= 32041

0 = 3187 + 1

1 = 3186

2 = 3186

3 = 3186

4 = 3186

5 = 3186

6 = 3186

7 = 3186

8 = 3186

9 = 3187 + 1

Chi Square= 5.021656E-04

Number = 179^2= 32041

0 = 160 + 7

1 = 163 + 10

2 = 159 + 6

3 = 157 + 4

4 = 158 + 5

5 = 160 + 7

6 = 164 + 11

7 = 156 + 3

8 = 159 + 6

9 = 160 + 7

10 = 158 + 5

11 = 164 + 11

12 = 155 + 2

13 = 157 + 4

14 = 162 + 9

15 = 160 + 7

16 = 161 + 8

17 = 155 + 2

18 = 159 + 6

19 = 160 + 7

20 = 162 + 9

21 = 161 + 8

22 = 156 + 3

23 = 158 + 5

24 = 159 + 6

25 = 165 + 12

26 = 156 + 3

27 = 159 + 6

28 = 159 + 6

29 = 160 + 7

30 = 163 + 10

31 = 155 + 2

32 = 157 + 4

33 = 162 + 9

34 = 160 + 7

35 = 161 + 8

36 = 154 + 1

37 = 160 + 7

38 = 160 + 7

39 = 163 + 10

40 = 159 + 6

41 = 157 + 4

42 = 159 + 6

43 = 158 + 5

44 = 164 + 11

45 = 157 + 4

46 = 159 + 6

47 = 158 + 5

48 = 161 + 8

49 = 164 + 11

50 = 154 + 1

51 = 158 + 5

52 = 161 + 8

53 = 160 + 7

54 = 161 + 8

55 = 154 + 1

56 = 161 + 8

57 = 160 + 7

58 = 162 + 9

59 = 159 + 6

60 = 156 + 3

61 = 159 + 6

62 = 158 + 5

63 = 165 + 12

64 = 157 + 4

65 = 159 + 6

66 = 157 + 4

67 = 161 + 8

68 = 164 + 11

69 = 155 + 2

70 = 159 + 6

71 = 160 + 7

72 = 159 + 6

73 = 163 + 10

74 = 153

75 = 160 + 7

76 = 161 + 8

77 = 162 + 9

78 = 158 + 5

79 = 156 + 3

80 = 160 + 7

81 = 159 + 6

82 = 164 + 11

83 = 157 + 4

84 = 158 + 5

85 = 158 + 5

86 = 161 + 8

87 = 164 + 11

88 = 154 + 1

89 = 160 + 7

90 = 160 + 7

91 = 159 + 6

92 = 163 + 10

93 = 154 + 1

94 = 158 + 5

95 = 162 + 9

96 = 161 + 8

97 = 160 + 7

98 = 155 + 2

99 = 159 + 6

Chi Square= 4.779293

Number = 983^2= 966289

0 = 96530

1 = 96531 + 1

2 = 96531 + 1

3 = 96530

4 = 96531 + 1

5 = 96531 + 1

6 = 96530

7 = 96531 + 1

8 = 96531 + 1

9 = 96530

Chi Square= 2.486283E-05

Number = 983^2= 966289

0 = 4841 + 29

1 = 4827 + 15

2 = 4825 + 13

3 = 4826 + 14

4 = 4826 + 14

5 = 4818 + 6

6 = 4839 + 27

7 = 4827 + 15

8 = 4827 + 15

9 = 4825 + 13

10 = 4820 + 8

11 = 4822 + 10

12 = 4838 + 26

13 = 4829 + 17

14 = 4826 + 14

15 = 4822 + 10

16 = 4823 + 11

17 = 4825 + 13

18 = 4835 + 23

19 = 4831 + 19

20 = 4820 + 8

21 = 4825 + 13

22 = 4823 + 11

23 = 4826 + 14

24 = 4831 + 19

25 = 4829 + 17

26 = 4831 + 19

27 = 4820 + 8

28 = 4821 + 9

29 = 4829 + 17

30 = 4830 + 18

31 = 4827 + 15

32 = 4830 + 18

33 = 4823 + 11

34 = 4818 + 6

35 = 4830 + 18

36 = 4830 + 18

37 = 4831 + 19

38 = 4826 + 14

39 = 4828 + 16

40 = 4812

41 = 4833 + 21

42 = 4832 + 20

43 = 4825 + 13

44 = 4829 + 17

45 = 4826 + 14

46 = 4813 + 1

47 = 4835 + 23

48 = 4829 + 17

49 = 4826 + 14

50 = 4827 + 15

51 = 4824 + 12

52 = 4819 + 7

53 = 4840 + 28

54 = 4826 + 14

55 = 4824 + 12

56 = 4828 + 16

57 = 4821 + 9

58 = 4821 + 9

59 = 4841 + 29

60 = 4825 + 13

61 = 4827 + 15

62 = 4822 + 10

63 = 4822 + 10

64 = 4824 + 12

65 = 4835 + 23

66 = 4830 + 18

67 = 4823 + 11

68 = 4826 + 14

69 = 4823 + 11

70 = 4825 + 13

71 = 4832 + 20

72 = 4832 + 20

73 = 4822 + 10

74 = 4824 + 12

75 = 4822 + 10

76 = 4828 + 16

77 = 4830 + 18

78 = 4828 + 16

79 = 4833 + 21

80 = 4822 + 10

81 = 4817 + 5

82 = 4829 + 17

83 = 4830 + 18

84 = 4831 + 19

85 = 4827 + 15

86 = 4824 + 12

87 = 4815 + 3

88 = 4832 + 20

89 = 4833 + 21

90 = 4827 + 15

91 = 4826 + 14

92 = 4826 + 14

93 = 4814 + 2

94 = 4836 + 24

95 = 4827 + 15

96 = 4827 + 15

97 = 4828 + 16

98 = 4826 + 14

99 = 4812

Chi Square= .6913691

The number of cyclic primes for each block first at 1,000 then 10,000 showing the running fraction for the primes ending with 1, 3, 7 or 9’s. After 10,000 block increment increased to 100,000 and then by 1,000,0000 reaching 50,000,000 faster. By 15,000,000 the values reached a fixed value. The first percent is low while the last three percents are almost the same value, this was unexpected I thought they all would be 25% rather the 1’s are about 21.04 while the 3’s, 7’s and 9’s are about 26.32. The fraction at the end is the percent of the number of cyclic numbers to the total numbers. By the way for your interest I looked at prime numbers for the distribution of last digits and they are very close to 25% for each of the four number groups, see the last two pages after this table below.

**numbers ending in 1 ending in 3 ending in 7 ending in 9 total fraction**

**1000 12 20.00% 16 26.67% 16 26.67% 16 26.67% 60 6.00%**

**2000 26 22.41% 32 27.59% 29 25.00% 29 25.00% 116 5.80%**

**3000 38 21.71% 48 27.43% 43 24.57% 46 26.29% 175 5.83%**

**4000 49 22.48% 59 27.06% 54 24.77% 56 25.69% 218 5.45%**

**5000 58 22.48% 69 26.74% 67 25.97% 64 24.81% 258 5.16%**

**6000 69 22.85% 79 26.16% 78 25.83% 76 25.17% 302 5.03%**

**7000 79 22.64% 94 26.93% 89 25.50% 87 24.93% 349 4.99%**

**8000 84 21.54% 105 26.92% 102 26.15% 99 25.38% 390 4.88%**

**9000 92 21.35% 118 27.38% 112 25.99% 109 25.29% 431 4.79%**

**10000 103 22.06% 124 26.55% 122 26.12% 118 25.27% 467 4.67%**

**20000 185 21.39% 233 26.94% 228 26.36% 219 25.32% 865 4.33%**

**30000 254 20.58% 336 27.23% 331 26.82% 313 25.36% 1234 4.11%**

**40000 324 20.42% 434 27.35% 416 26.21% 413 26.02% 1587 3.97%**

**50000 409 21.01% 517 26.55% 514 26.40% 507 26.04% 1947 3.89%**

**60000 479 20.86% 605 26.35% 614 26.74% 598 26.05% 2296 3.83%**

**70000 547 20.73% 696 26.37% 703 26.64% 693 26.26% 2639 3.77%**

**80000 618 20.77% 787 26.45% 788 26.49% 782 26.29% 2975 3.72%**

**90000 686 20.84% 867 26.34% 869 26.41% 869 26.41% 3291 3.66%**

**100000 750 20.74% 954 26.38% 957 26.46% 956 26.43% 3617 3.62%**

**200000 1416 21.02% 1775 26.35% 1765 26.20% 1781 26.44% 6737 3.37%**

**300000 2049 21.06% 2557 26.28% 2549 26.20% 2574 26.46% 9729 3.24%**

**400000 2675 21.02% 3340 26.25% 3331 26.18% 3378 26.55% 12724 3.18%**

**500000 3284 21.09% 4096 26.30% 4075 26.17% 4118 26.44% 15573 3.11%**

**600000 3899 21.15% 4852 26.31% 4829 26.19% 4859 26.35% 18439 3.07%**

**700000 4473 21.09% 5570 26.27% 5562 26.23% 5601 26.41% 21206 3.03%**

**800000 5064 21.09% 6315 26.30% 6312 26.29% 6316 26.31% 24007 3.00%**

**900000 5636 21.05% 7040 26.29% 7043 26.30% 7057 26.36% 26776 2.98%**

**1000000 6236 21.14% 7736 26.22% 7746 26.26% 7782 26.38% 29500 2.95%**

**2000000 11814 21.15% 14643 26.22% 14626 26.19% 14767 26.44% 55850 2.79%**

**3000000 17115 21.06% 21379 26.30% 21325 26.24% 21459 26.40% 81278 2.71%**

**4000000 22318 21.06% 27881 26.31% 27811 26.24% 27978 26.40% 105988 2.65%**

**5000000 27436 21.03% 34335 26.32% 34256 26.26% 34423 26.39% 130450 2.61%**

**6000000 32504 21.03% 40715 26.34% 40560 26.24% 40803 26.40% 154582 2.58%**

**7000000 37532 21.03% 46974 26.32% 46895 26.27% 47083 26.38% 178484 2.55%**

**8000000 42543 21.06% 53171 26.32% 53066 26.26% 53265 26.36% 202045 2.53%**

**9000000 47561 21.08% 59346 26.30% 59295 26.28% 59424 26.34% 225626 2.51%**

**10000000 52430 21.07% 65504 26.32% 65446 26.30% 65501 26.32% 248881 2.49%**

**11000000 57308 21.07% 71541 26.30% 71585 26.32% 71540 26.30% 271974 2.47%**

**12000000 62175 21.08% 77598 26.30% 77629 26.31% 77608 26.31% 295010 2.46%**

**13000000 66969 21.06% 83651 26.31% 83667 26.31% 83709 26.32% 317996 2.45%**

**14000000 71685 21.05% 89565 26.30% 89678 26.33% 89633 26.32% 340561 2.43%**

**15000000 76449 21.05% 95550 26.31% 95613 26.33% 95545 26.31% 363157 2.42%**

**16000000 81279 21.07% 101548 26.32% 101482 26.30% 101515 26.31% 385824 2.41%**

**17000000 85958 21.05% 107459 26.32% 107432 26.31% 107450 26.32% 408299 2.40%**

**18000000 90725 21.06% 113368 26.32% 113330 26.31% 113329 26.31% 430752 2.39%**

**19000000 95409 21.06% 119290 26.33% 119227 26.31% 119196 26.31% 453122 2.38%**

**20000000 100142 21.07% 125088 26.31% 125103 26.32% 125021 26.30% 475354 2.38%**

**21000000 104841 21.07% 130978 26.32% 130933 26.31% 130838 26.29% 497590 2.37%**

**22000000 109500 21.07% 136830 26.33% 136714 26.30% 136712 26.30% 519756 2.36%**

**23000000 114178 21.07% 142647 26.33% 142545 26.31% 142488 26.30% 541858 2.36%**

**24000000 118802 21.07% 148435 26.33% 148313 26.31% 148259 26.30% 563809 2.35%**

**25000000 123467 21.07% 154245 26.32% 154149 26.30% 154157 26.31% 586018 2.34%**

**26000000 128097 21.07% 160009 26.32% 159839 26.30% 159908 26.31% 607853 2.34%**

**27000000 132657 21.07% 165789 26.33% 165587 26.29% 165715 26.31% 629748 2.33%**

**28000000 137202 21.06% 171622 26.34% 171344 26.30% 171406 26.31% 651574 2.33%**

**29000000 141744 21.05% 177401 26.35% 177116 26.30% 177110 26.30% 673371 2.32%**

**30000000 146304 21.05% 183091 26.34% 182849 26.30% 182892 26.31% 695136 2.32%**

**31000000 150884 21.04% 188840 26.34% 188603 26.31% 188639 26.31% 716966 2.31%**

**32000000 155413 21.04% 194518 26.33% 194375 26.31% 194360 26.31% 738666 2.31%**

**33000000 159992 21.05% 200179 26.33% 200015 26.31% 200006 26.31% 760192 2.30%**

**34000000 164579 21.05% 205819 26.33% 205662 26.31% 205756 26.32% 781816 2.30%**

**35000000 169086 21.05% 211479 26.33% 211295 26.30% 211457 26.32% 803317 2.30%**

**36000000 173619 21.05% 217094 26.32% 216972 26.30% 217150 26.33% 824835 2.29%**

**37000000 178144 21.05% 222770 26.32% 222610 26.30% 222836 26.33% 846360 2.29%**

**38000000 182686 21.05% 228398 26.32% 228217 26.30% 228490 26.33% 867791 2.28%**

**39000000 187253 21.06% 233995 26.31% 233894 26.30% 234104 26.33% 889246 2.28%**

**40000000 191726 21.05% 239665 26.32% 239576 26.31% 239747 26.33% 910714 2.28%**

**41000000 196236 21.05% 245385 26.33% 245116 26.30% 245389 26.33% 932126 2.27%**

**42000000 200610 21.04% 250990 26.33% 250703 26.30% 250995 26.33% 953298 2.27%**

**43000000 205029 21.04% 256614 26.33% 256292 26.30% 256582 26.33% 974517 2.27%**

**44000000 209575 21.05% 262231 26.33% 261847 26.30% 262119 26.32% 995772 2.26%**

**45000000 214029 21.04% 267829 26.33% 267545 26.30% 267738 26.32% 1017141 2.26%**

**46000000 218449 21.04% 273374 26.33% 273088 26.30% 273392 26.33% 1038303 2.26%**

**47000000 222980 21.05% 278878 26.32% 278636 26.30% 278895 26.33% 1059389 2.25%**

**48000000 227405 21.05% 284411 26.32% 284202 26.30% 284454 26.33% 1080472 2.25%**

**49000000 231852 21.05% 289941 26.32% 289688 26.30% 290058 26.33% 1101539 2.25%**

**50000000 236222 21.04% 295501 26.32% 295294 26.31% 295543 26.33% 1122560 2.25%**

Here is the sample of the prime numbers how they are distribute between the four ending digit. Even with the first million the numbers are very close to 25.00%. In the first 50,000,000 numbers there are 3,001,133 prime numbers with 1,122,560 cyclic numbers means 6.00% of all numbers are prime and 2.25% are cyclic, note how these percents are dropping how low will they get, ratio of cyclic to prime approach **37.3955%**.

**prime ending in 1 ending in 3 ending in 7 ending in 9 total fraction**

**1000000 19617 24.99% 19666 25.05% 19621 25.00% 19593 24.96% 78497 7.85%**

**2000000 37188 24.97% 37257 25.02% 37267 25.02% 37220 24.99% 148932 7.45%**

**3000000 54175 24.99% 54230 25.01% 54250 25.02% 54160 24.98% 216815 7.23%**

**4000000 70779 25.00% 70819 25.01% 70794 25.00% 70753 24.99% 283145 7.08%**

**5000000 87063 24.98% 87216 25.03% 87178 25.01% 87055 24.98% 348512 6.97%**

**6000000 103154 24.99% 103280 25.02% 103206 25.00% 103208 25.00% 412848 6.88%**

**7000000 119109 24.99% 119174 25.00% 119210 25.01% 119154 25.00% 476647 6.81%**

**8000000 134912 24.99% 134997 25.01% 134998 25.01% 134869 24.99% 539776 6.75%**

**9000000 150605 25.00% 150662 25.01% 150654 25.01% 150567 24.99% 602488 6.69%**

**10000000 166104 24.99% 166230 25.01% 166211 25.01% 166033 24.98% 664578 6.65%**

**11000000 181589 24.99% 181661 25.00% 181743 25.02% 181523 24.99% 726516 6.60%**

**12000000 196971 24.99% 197021 25.00% 197119 25.01% 196948 24.99% 788059 6.57%**

**13000000 212259 24.99% 212337 25.00% 212428 25.01% 212227 24.99% 849251 6.53%**

**14000000 227479 25.00% 227572 25.01% 227599 25.01% 227426 24.99% 910076 6.50%**

**15000000 242574 24.99% 242801 25.01% 242754 25.01% 242574 24.99% 970703 6.47%**

**16000000 257722 24.99% 257942 25.02% 257724 24.99% 257741 25.00% 1031129 6.44%**

**17000000 272767 24.99% 272931 25.01% 272794 25.00% 272821 25.00% 1091313 6.42%**

**18000000 287767 24.99% 287986 25.01% 287808 25.00% 287805 25.00% 1151366 6.40%**

**19000000 302678 24.99% 302897 25.01% 302745 25.00% 302729 25.00% 1211049 6.37%**

**20000000 317587 24.99% 317745 25.01% 317690 25.00% 317584 24.99% 1270606 6.35%**

**21000000 332391 24.99% 332631 25.01% 332523 25.00% 332397 24.99% 1329942 6.33%**

**22000000 347206 24.99% 347447 25.01% 347371 25.00% 347236 24.99% 1389260 6.31%**

**23000000 361955 24.99% 362126 25.00% 362178 25.01% 361961 24.99% 1448220 6.30%**

**24000000 376664 24.99% 376832 25.00% 376935 25.01% 376690 24.99% 1507121 6.28%**

**25000000 391329 24.99% 391535 25.00% 391633 25.01% 391429 25.00% 1565926 6.26%**

**26000000 406113 25.00% 406140 25.00% 406217 25.01% 406056 25.00% 1624526 6.25%**

**27000000 420704 25.00% 420773 25.00% 420834 25.00% 420753 25.00% 1683064 6.23%**

**28000000 435309 25.00% 435439 25.00% 435422 25.00% 435259 24.99% 1741429 6.22%**

**29000000 449832 25.00% 450048 25.01% 450044 25.01% 449751 24.99% 1799675 6.21%**

**30000000 464357 24.99% 464593 25.01% 464579 25.01% 464329 24.99% 1857858 6.19%**

**31000000 478893 24.99% 479055 25.00% 479155 25.01% 478875 24.99% 1915978 6.18%**

**32000000 493340 24.99% 493504 25.00% 493589 25.01% 493381 25.00% 1973814 6.17%**

**33000000 507776 24.99% 507956 25.00% 508126 25.01% 507808 24.99% 2031666 6.16%**

**34000000 522158 24.99% 522469 25.01% 522522 25.01% 522229 24.99% 2089378 6.15%**

**35000000 536507 24.99% 536775 25.00% 536853 25.01% 536639 25.00% 2146774 6.13%**

**36000000 550788 24.99% 551199 25.01% 551252 25.01% 551022 25.00% 2204261 6.12%**

**37000000 565123 24.99% 565573 25.01% 565517 25.00% 565409 25.00% 2261622 6.11%**

**38000000 579514 24.99% 579873 25.01% 579886 25.01% 579692 25.00% 2318965 6.10%**

**39000000 593965 24.99% 594165 25.00% 594276 25.01% 593995 25.00% 2376401 6.09%**

**40000000 608253 24.99% 608417 25.00% 608668 25.01% 608315 25.00% 2433653 6.08%**

**41000000 622526 24.99% 622710 25.00% 622873 25.01% 622646 25.00% 2490755 6.08%**

**42000000 636775 24.99% 636911 25.00% 637015 25.00% 636918 25.00% 2547619 6.07%**

**43000000 650947 24.99% 651224 25.00% 651282 25.01% 651081 25.00% 2604534 6.06%**

**44000000 665254 25.00% 665454 25.00% 665455 25.00% 665220 25.00% 2661383 6.05%**

**45000000 679490 25.00% 679657 25.00% 679636 25.00% 679376 24.99% 2718159 6.04%**

**46000000 693790 25.00% 693848 25.00% 693793 25.00% 693621 24.99% 2775052 6.03%**

**47000000 708001 25.00% 707987 25.00% 708009 25.00% 707695 24.99% 2831692 6.02%**

**48000000 722120 25.00% 722027 25.00% 722198 25.01% 721798 24.99% 2888143 6.02%**

**49000000 736233 25.00% 736147 25.00% 736213 25.00% 735937 24.99% 2944530 6.01%**

**50000000 750340 25.00% 750395 25.00% 750394 25.00% 750003 24.99% 3001132 6.00%**

The following table is a better listing going all the way up to 50,000,000 for each block of 1,000,000 with the running prime numbers and cyclic numbers; following by the block count prime number and cyclic number; block cyclic fraction to prime ending with running fraction. The running values start from 3 and go up to the block count and the block is the 1,000,000 block values. The percent of max to primes divided by the number of prime is close to the 37.3955% as suggested This numbers is known as Artin's constant which is equal to 0.3739558136192022880547280543464164151116292486061500.

**Block running running block block block running**

**Count prime cyclic prime cyclic fraction fraction**

**1,000,000 78,497 29,500 78,497 29,500 37.58% 37.5811%**

**2,000,000 148,932 55,850 70,435 26,350 37.41% 37.5003%**

**3,000,000 216,815 81,278 67,883 25,428 37.46% 37.4873%**

**4,000,000 283,145 105,988 66,330 24,710 37.25% 37.4324%**

**5,000,000 348,512 130,450 65,367 24,462 37.42% 37.4306%**

**6,000,000 412,848 154,582 64,336 24,132 37.51% 37.4428%**

**7,000,000 476,647 178,484 63,799 23,902 37.46% 37.4457%**

**8,000,000 539,776 202,045 63,129 23,561 37.32% 37.4313%**

**9,000,000 602,488 225,626 62,712 23,581 37.60% 37.4490%**

**10,000,000 664,578 248,881 62,090 23,255 37.45% 37.4495%**

**11,000,000 726,516 271,974 61,938 23,093 37.28% 37.4354%**

**12,000,000 788,059 295,010 61,543 23,036 37.43% 37.4350%**

**13,000,000 849,251 317,996 61,192 22,986 37.56% 37.4443%**

**14,000,000 910,076 340,561 60,825 22,565 37.10% 37.4212%**

**15,000,000 970,703 363,157 60,627 22,596 37.27% 37.4118%**

**16,000,000 1,031,129 385,824 60,426 22,667 37.51% 37.4176%**

**17,000,000 1,091,313 408,299 60,184 22,475 37.34% 37.4136%**

**18,000,000 1,151,366 430,752 60,053 22,453 37.39% 37.4123%**

**19,000,000 1,211,049 453,122 59,683 22,370 37.48% 37.4157%**

**20,000,000 1,270,606 475,354 59,557 22,232 37.33% 37.4116%**

**21,000,000 1,329,942 497,590 59,336 22,236 37.47% 37.4144%**

**22,000,000 1,389,260 519,756 59,318 22,166 37.37% 37.4124%**

**23,000,000 1,448,220 541,858 58,960 22,102 37.49% 37.4154%**

**24,000,000 1,507,121 563,809 58,901 21,951 37.27% 37.4097%**

**25,000,000 1,565,926 586,018 58,805 22,209 37.77% 37.4231%**

**26,000,000 1,624,526 607,853 58,600 21,835 37.26% 37.4173%**

**27,000,000 1,683,064 629,748 58,538 21,895 37.40% 37.4168%**

**28,000,000 1,741,429 651,574 58,365 21,826 37.40% 37.4161%**

**29,000,000 1,799,675 673,371 58,246 21,797 37.42% 37.4163%**

**30,000,000 1,857,858 695,136 58,183 21,765 37.41% 37.4160%**

**31,000,000 1,915,978 716,966 58,120 21,830 37.56% 37.4204%**

**32,000,000 1,973,814 738,666 57,836 21,700 37.52% 37.4233%**

**33,000,000 2,031,666 760,192 57,852 21,526 37.21% 37.4172%**

**34,000,000 2,089,378 781,816 57,712 21,624 37.47% 37.4186%**

**35,000,000 2,146,774 803,317 57,396 21,501 37.46% 37.4197%**

**36,000,000 2,204,261 824,835 57,487 21,518 37.43% 37.4200%**

**37,000,000 2,261,622 846,360 57,361 21,525 37.53% 37.4227%**

**38,000,000 2,318,965 867,791 57,343 21,431 37.37% 37.4215%**

**39,000,000 2,376,401 889,246 57,436 21,455 37.35% 37.4199%**

**40,000,000 2,433,653 910,714 57,252 21,468 37.50% 37.4217%**

**41,000,000 2,490,755 932,126 57,102 21,412 37.50% 37.4234%**

**42,000,000 2,547,619 953,298 56,864 21,172 37.23% 37.4192%**

**43,000,000 2,604,534 974,517 56,915 21,219 37.28% 37.4162%**

**44,000,000 2,661,383 995,772 56,849 21,255 37.39% 37.4156%**

**45,000,000 2,718,159 1,017,141 56,776 21,369 37.64% 37.4202%**

**46,000,000 2,775,052 1,038,303 56,893 21,162 37.20% 37.4156%**

**47,000,000 2,831,692 1,059,389 56,640 21,086 37.23% 37.4119%**

**48,000,000 2,888,143 1,080,472 56,451 21,083 37.35% 37.4106%**

**49,000,000 2,944,530 1,101,539 56,387 21,067 37.36% 37.4097%**

**50,000,000 3,001,133 1,122,560 56,603 21,021 37.14% 37.4045%**

**Not bad for the expected value of 37.3955%.**