#### ../data/D3-50.csv

Number of findings: 16

| pos | row | column | value |
|-----|-----|--------|-------|
| 19  | 1   | 10     | 69    |
| 91  | 9   | 2      | 73    |
| 139 | 13  | 10     | 74    |
| 143 | 14  | 4      | 69    |
| 147 | 14  | 8      | 127   |
| 153 | 15  | 4      | 76    |
| 199 | 19  | 10     | 132   |
| 252 | 25  | 3      | 124   |
| 253 | 25  | 4      | 128   |
| 256 | 25  | 7      | 129   |
| 257 | 25  | 8      | 65    |
| 259 | 25  | 10     | 69    |
| 283 | 28  | 4      | 72    |
| 319 | 31  | 10     | 130   |
| 361 | 36  | 2      | 70    |
| 497 | 49  | 8      | 129   |

### ../data/D4-50.csv

Number of findings: 0

pos row column value

#### ../data/D3-150.csv

| pos | row | column | value |
|-----|-----|--------|-------|
| 9   | 0   | 10     | 124   |
| 53  | 5   | 4      | 137   |
| 81  | 8   | 2      | 76    |
| 89  | 8   | 10     | 135   |
| 171 | 17  | 2      | 122   |
| 259 | 25  | 10     | 71    |
| 281 | 28  | 2      | 75    |
| 299 | 29  | 10     | 135   |
| 333 | 33  | 4      | 139   |

| 33  | 10   | 76  |
|-----|--|-----|
|     | 4  | 127 |
| 41  | 10   | 73  |
| 53  | 4  | 123 |
| 59  | 4  | 126 |
| 63  | 3  | 76  |
| 63  | 4  | 73  |
| 63  | 7  | 77  |
| 63  | 8  | 136 |
| 63  | 10   | 125 |
| 69  | 4  | 141 |
| 71  | 4  | 71  |
| 71  | 10   | 125 |
| 72  | 10   | 123 |
| 77  | 10   | 122 |
| 79  | 10   | 74  |
| 86  | 10   | 127 |
| 87  | 10   | 136 |
| 108 | 4  | 75  |
| 112 | 10   | 76  |
| 114 | 10   | 77  |
| 115 | 4  | 72  |
| 116 | 4  | 124 |
| 117 | 10   | 69  |
| 121 | 2  | 73  |
| 121 | 10   | 132 |
| 124 | 4  | 76  |
| 127 | 4  | 128 |
| 127 | 10   | 123 |
| 136 | 10   | 77  |
| 145 | 8  | 122 |
|     | 53<br>59<br>63<br>63<br>63<br>63<br>63<br>69<br>71<br>72<br>77<br>79<br>86<br>87<br>108<br>112<br>114<br>115<br>116<br>117<br>121<br>121<br>121<br>124<br>127<br>136 | 35  |

# ../data/D4-150.csv

Number of findings: 0

pos row column value

### ../data/D1-150.csv

| pos  | row | column | value |
|------|-----|--------|-------|
| 79   | 7   | 10     | 341   |
| 129  | 12  | 10     | 236   |
| 259  | 25  | 10     | 324   |
| 317  | 31  | 8      | 214   |
| 318  | 31  | 9      | 249   |
| 438  | 43  | 9      | 213   |
| 498  | 49  | 9      | 212   |
| 508  | 50  | 9      | 216   |
| 549  | 54  | 10     | 283   |
| 739  | 73  | 10     | 289   |
| 749  | 74  | 10     | 327   |
| 759  | 75  | 10     | 387   |
| 778  | 77  | 9      | 231   |
| 808  | 80  | 9      | 209   |
| 809  | 80  | 10     | 338   |
| 829  | 82  | 10     | 605   |
| 899  | 89  | 10     | 340   |
| 919  | 91  | 10     | 588   |
| 929  | 92  | 10     | 309   |
| 978  | 97  | 9      | 242   |
| 1008 | 100 | 9      | 227   |
| 1039 | 103 | 10     | 210   |
| 1059 | 105 | 10     | 238   |
| 1099 | 109 | 10     | 214   |
| 1108 | 110 | 9      | 236   |
| 1118 | 111 | 9      | 234   |
| 1119 | 111 | 10     | 284   |
| 1149 | 114 | 10     | 291   |
| 1239 | 123 | 10     | 343   |
| 1249 | 124 | 10     | 508   |
| 1258 | 125 | 9      | 251   |
| 1278 | 127 | 9      | 237   |
|      |     |        |       |

| 1289 | 128 | 10 | 928 |
|------|-----|----|-----|
| 1309 | 130 | 10 | 472 |
| 1329 | 132 | 10 | 308 |
| 1379 | 137 | 10 | 542 |
| 1409 | 140 | 10 | 288 |
| 1469 | 146 | 10 | 424 |
| 1489 | 148 | 10 | 242 |
| 1499 | 149 | 10 | 221 |

### ../data/D3-400.csv

| pos | row | column | value |
|-----|-----|--------|-------|
| 9   | 0   | 10     | 122   |
| 133 | 13  | 4      | 155   |
| 153 | 15  | 4      | 76    |
| 173 | 17  | 4      | 127   |
| 203 | 20  | 4      | 75    |
| 231 | 23  | 2      | 77    |
| 251 | 25  | 2      | 124   |
| 253 | 25  | 4      | 72    |
| 257 | 25  | 8      | 132   |
| 259 | 25  | 10     | 75    |
| 269 | 26  | 10     | 74    |
| 309 | 30  | 10     | 67    |
| 391 | 39  | 2      | 127   |
| 429 | 42  | 10     | 123   |
| 493 | 49  | 4      | 125   |
| 549 | 54  | 10     | 123   |
| 573 | 57  | 4      | 124   |
| 599 | 59  | 10     | 70    |
| 603 | 60  | 4      | 141   |
| 609 | 60  | 10     | 75    |
| 619 | 61  | 10     | 133   |
| 633 | 63  | 4      | 138   |
| 689 | 68  | 10     | 76    |
| 709 | 70  | 10     | 77    |
|     |     |        |       |

| 803  | 80  | 4  | 130 |
|------|-----|----|-----|
| 853  | 85  | 4  | 76  |
| 857  | 85  | 8  | 122 |
| 883  | 88  | 4  | 125 |
| 903  | 90  | 4  | 127 |
| 915  | 91  | 6  | 122 |
| 987  | 98  | 8  | 122 |
| 1013 | 101 | 4  | 123 |
| 1039 | 103 | 10 | 129 |
| 1137 | 113 | 8  | 74  |
| 1181 | 118 | 2  | 122 |
| 1183 | 118 | 4  | 67  |
| 1201 | 120 | 2  | 123 |
| 1209 | 120 | 10 | 77  |
| 1223 | 122 | 4  | 72  |
| 1229 | 122 | 10 | 128 |
| 1261 | 126 | 2  | 74  |
| 1273 | 127 | 4  | 77  |
| 1277 | 127 | 8  | 131 |
| 1281 | 128 | 2  | 132 |
| 1299 | 129 | 10 | 122 |
| 1381 | 138 | 2  | 123 |
| 1423 | 142 | 4  | 74  |
| 1449 | 144 | 10 | 73  |
| 1463 | 146 | 4  | 72  |
| 1564 | 156 | 5  | 70  |
| 1565 | 156 | 6  | 123 |
| 1619 | 161 | 10 | 122 |
| 1743 | 174 | 4  | 74  |
| 1793 | 179 | 4  | 128 |
| 1803 | 180 | 4  | 70  |
| 1807 | 180 | 8  | 123 |
| 1833 | 183 | 4  | 128 |
| 1849 | 184 | 10 | 122 |
| 2009 | 200 | 10 | 128 |
|      |     |    |     |

| 2017 | 201 | 8  | 77  |
|------|-----|----|-----|
| 2023 | 202 | 4  | 123 |
| 2043 | 204 | 4  | 125 |
| 2123 | 212 | 4  | 124 |
| 2139 | 213 | 10 | 76  |
| 2153 | 215 | 4  | 143 |
| 2189 | 218 | 10 | 123 |
| 2193 | 219 | 4  | 130 |
| 2203 | 220 | 4  | 74  |
| 2211 | 221 | 2  | 128 |
| 2213 | 221 | 4  | 77  |
| 2217 | 221 | 8  | 123 |
| 2259 | 225 | 10 | 73  |
| 2329 | 232 | 10 | 123 |
| 2363 | 236 | 4  | 126 |
| 2369 | 236 | 10 | 127 |
| 2373 | 237 | 4  | 130 |
| 2403 | 240 | 4  | 77  |
| 2409 | 240 | 10 | 139 |
| 2421 | 242 | 2  | 126 |
| 2423 | 242 | 4  | 75  |
| 2433 | 243 | 4  | 131 |
| 2513 | 251 | 4  | 74  |
| 2589 | 258 | 10 | 124 |
| 2593 | 259 | 4  | 73  |
| 2603 | 260 | 4  | 128 |
| 2699 | 269 | 10 | 124 |
| 2719 | 271 | 10 | 75  |
| 2759 | 275 | 10 | 75  |
| 2813 | 281 | 4  | 72  |
| 2873 | 287 | 4  | 76  |
| 2903 | 290 | 4  | 122 |
| 3003 | 300 | 4  | 122 |
| 3017 | 301 | 8  | 122 |
| 3033 | 303 | 4  | 77  |
|      |     |    |     |

| 3035 | 303 | 6  | 123 |
|------|-----|----|-----|
| 3059 | 305 | 10 | 126 |
| 3103 | 310 | 4  | 68  |
| 3107 | 310 | 8  | 127 |
| 3169 | 316 | 10 | 76  |
| 3239 | 323 | 10 | 122 |
| 3309 | 330 | 10 | 77  |
| 3323 | 332 | 4  | 76  |
| 3339 | 333 | 10 | 123 |
| 3389 | 338 | 10 | 129 |
| 3403 | 340 | 4  | 75  |
| 3451 | 345 | 2  | 131 |
| 3459 | 345 | 10 | 76  |
| 3463 | 346 | 4  | 133 |
| 3469 | 346 | 10 | 74  |
| 3479 | 347 | 10 | 125 |
| 3509 | 350 | 10 | 127 |
| 3523 | 352 | 4  | 124 |
| 3603 | 360 | 4  | 126 |
| 3627 | 362 | 8  | 77  |
| 3653 | 365 | 4  | 72  |
| 3713 | 371 | 4  | 137 |
| 3719 | 371 | 10 | 73  |
| 3763 | 376 | 4  | 75  |
| 3829 | 382 | 10 | 131 |
| 3860 | 386 | 1  | 122 |
| 3861 | 386 | 2  | 71  |
| 3863 | 386 | 4  | 76  |
| 3868 | 386 | 9  | 122 |
| 3869 | 386 | 10 | 132 |
| 3939 | 393 | 10 | 75  |
| 3943 | 394 | 4  | 122 |
| 3947 | 394 | 8  | 75  |
| 3999 | 399 | 10 | 67  |

| pos | row | column | value |
|-----|-----|--------|-------|
| 35  | 3   | 6      | 125   |
| 37  | 3   | 8      | 125   |
| 39  | 3   | 10     | 125   |
| 42  | 4   | 3      | 122   |
| 140 | 14  | 1      | 122   |
| 145 | 14  | 6      | 80    |
| 147 | 14  | 8      | 80    |
| 149 | 14  | 10     | 80    |
| 170 | 17  | 1      | 131   |
| 200 | 20  | 1      | 124   |
| 220 | 22  | 1      | 123   |
| 250 | 25  | 1      | 77    |
| 253 | 25  | 4      | 127   |
| 272 | 27  | 3      | 128   |
| 275 | 27  | 6      | 80    |
| 313 | 31  | 4      | 65    |
| 352 | 35  | 3      | 122   |
| 440 | 44  | 1      | 65    |
| 443 | 44  | 4      | 136   |
| 445 | 44  | 6      | 122   |
| 447 | 44  | 8      | 122   |
| 449 | 44  | 10     | 122   |
| 462 | 46  | 3      | 79    |
| 490 | 49  | 1      | 122   |
| 500 | 50  | 1      | 122   |
| 510 | 51  | 1      | 72    |
| 570 | 57  | 1      | 79    |
| 572 | 57  | 3      | 79    |
| 573 | 57  | 4      | 121   |
| 580 | 58  | 1      | 121   |
| 600 | 60  | 1      | 74    |
| 610 | 61  | 1      | 72    |
| 670 | 67  | 1      | 127   |
|     |     |        |       |

| 690  | 69  | 1  | 121 |
|------|-----|----|-----|
| 720  | 72  | 1  | 77  |
| 745  | 74  | 6  | 122 |
| 747  | 74  | 8  | 122 |
| 749  | 74  | 10 | 122 |
| 813  | 81  | 4  | 121 |
| 842  | 84  | 3  | 121 |
| 862  | 86  | 3  | 78  |
| 905  | 90  | 6  | 120 |
| 907  | 90  | 8  | 120 |
| 909  | 90  | 10 | 120 |
| 912  | 91  | 3  | 123 |
| 983  | 98  | 4  | 120 |
| 1045 | 104 | 6  | 120 |
| 1047 | 104 | 8  | 120 |
| 1049 | 104 | 10 | 121 |
| 1052 | 105 | 3  | 128 |
| 1065 | 106 | 6  | 120 |
| 1067 | 106 | 8  | 120 |
| 1069 | 106 | 10 | 120 |
| 1210 | 121 | 1  | 120 |
| 1212 | 121 | 3  | 125 |
| 1215 | 121 | 6  | 76  |
| 1217 | 121 | 8  | 76  |
| 1219 | 121 | 10 | 76  |
| 1293 | 129 | 4  | 76  |
| 1312 | 131 | 3  | 125 |
| 1320 | 132 | 1  | 71  |
| 1322 | 132 | 3  | 80  |
| 1362 | 136 | 3  | 68  |
| 1390 | 139 | 1  | 120 |
| 1455 | 145 | 6  | 80  |
| 1457 | 145 | 8  | 80  |
| 1459 | 145 | 10 | 80  |
| 1470 | 147 | 1  | 127 |

| 148<br>153 | 3   | 62   |
|------------|---|--|
| 153        |   |  |
|            | 1   | 120  |
| 160        | 1   | 70   |
| 160        | 3   | 77   |
| 165        | 3   | 71   |
| 165        | 6   | 120  |
| 165        | 8   | 120  |
| 165        | 10  | 120  |
| 168        | 4   | 79   |
| 172        | 1   | 77   |
| 175        | 1   | 78   |
| 180        | 1   | 76   |
| 181        | 1   | 127  |
| 181        | 6   | 80   |
| 181        | 8   | 79   |
| 181        | 10  | 79   |
| 182        | 1   | 76   |
| 183        | 3   | 122  |
| 186        | 3   | 80   |
| 197        | 3   | 136  |
| 197        | 6   | 71   |
| 197        | 8   | 70   |
| 197        | 10  | 70   |
| 205        | 4   | 122  |
| 206        | 6   | 80   |
| 206        | 8   | 80   |
| 206        | 10  | 80   |
| 213        | 3   | 60   |
| 215        | 6   | 124  |
| 215        | 8   | 124  |
| 215        | 10  | 124  |
| 216        | 1   | 125  |
| 222        | 3   | 132  |
| 229        | 4   | 126  |
| 230        | 1   | 69   |
|            | 160<br>160<br>165<br>165<br>165<br>165<br>168<br>172<br>175<br>180<br>181<br>181<br>181<br>182<br>183<br>186<br>197<br>197<br>197<br>205<br>206<br>206<br>213<br>215<br>215<br>215<br>215<br>222<br>229 | 160       1         160       3         165       3         165       6         165       8         165       10         168       4         172       1         180       1         181       1         181       6         181       8         181       10         182       1         183       3         197       3         197       6         197       8         197       10         205       4         206       6         206       8         206       10         213       3         215       6         215       8         215       10         216       1         222       3         229       4 |

| 2302 | 230 | 3  | 75  |
|------|-----|----|-----|
| 2350 | 235 | 1  | 120 |
| 2352 | 235 | 3  | 120 |
| 2363 | 236 | 4  | 121 |
| 2410 | 241 | 1  | 72  |
| 2440 | 244 | 1  | 123 |
| 2462 | 246 | 3  | 132 |
| 2492 | 249 | 3  | 139 |
| 2495 | 249 | 6  | 75  |
| 2497 | 249 | 8  | 76  |
| 2499 | 249 | 10 | 75  |

# ../data/D4-250.csv

| pos  | row | column | value |
|------|-----|--------|-------|
| 174  | 17  | 5      | 63    |
| 184  | 18  | 5      | 63    |
| 194  | 19  | 5      | 58    |
| 204  | 20  | 5      | 68    |
| 214  | 21  | 5      | 66    |
| 425  | 42  | 6      | 63    |
| 435  | 43  | 6      | 63    |
| 445  | 44  | 6      | 58    |
| 455  | 45  | 6      | 68    |
| 465  | 46  | 6      | 66    |
| 676  | 67  | 7      | 63    |
| 686  | 68  | 7      | 63    |
| 696  | 69  | 7      | 58    |
| 706  | 70  | 7      | 68    |
| 716  | 71  | 7      | 66    |
| 927  | 92  | 8      | 63    |
| 937  | 93  | 8      | 63    |
| 947  | 94  | 8      | 58    |
| 957  | 95  | 8      | 68    |
| 967  | 96  | 8      | 66    |
| 1178 | 117 | 9      | 63    |

| 1188 | 118 | 9  | 63 |
|------|-----|----|----|
| 1198 | 119 | 9  | 58 |
| 1208 | 120 | 9  | 68 |
| 1218 | 121 | 9  | 66 |
| 1429 | 142 | 10 | 63 |
| 1439 | 143 | 10 | 63 |
| 1449 | 144 | 10 | 58 |
| 1459 | 145 | 10 | 68 |
| 1469 | 146 | 10 | 66 |
| 1670 | 167 | 1  | 63 |
| 1680 | 168 | 1  | 63 |
| 1690 | 169 | 1  | 58 |
| 1700 | 170 | 1  | 68 |
| 1710 | 171 | 1  | 66 |
| 1921 | 192 | 2  | 63 |
| 1931 | 193 | 2  | 63 |
| 1941 | 194 | 2  | 58 |
| 1951 | 195 | 2  | 68 |
| 1961 | 196 | 2  | 66 |
| 2172 | 217 | 3  | 63 |
| 2182 | 218 | 3  | 63 |
| 2192 | 219 | 3  | 58 |
| 2202 | 220 | 3  | 68 |
| 2212 | 221 | 3  | 66 |
| 2423 | 242 | 4  | 63 |
| 2433 | 243 | 4  | 63 |
| 2443 | 244 | 4  | 58 |
| 2453 | 245 | 4  | 68 |
| 2463 | 246 | 4  | 66 |

### ../data/D2-400.csv

| pos | row | column | value |
|-----|-----|--------|-------|
| 50  | 5   | 1      | 76    |
| 112 | 11  | 3      | 68    |
| 142 | 14  | 3      | 128   |

| 175  | 17  | 6  | 123 |
|------|-----|----|-----|
| 177  | 17  | 8  | 123 |
| 179  | 17  | 10 | 123 |
| 272  | 27  | 3  | 77  |
| 273  | 27  | 4  | 128 |
| 340  | 34  | 1  | 75  |
| 352  | 35  | 3  | 124 |
| 392  | 39  | 3  | 122 |
| 493  | 49  | 4  | 125 |
| 522  | 52  | 3  | 123 |
| 563  | 56  | 4  | 126 |
| 570  | 57  | 1  | 70  |
| 580  | 58  | 1  | 125 |
| 600  | 60  | 1  | 71  |
| 610  | 61  | 1  | 74  |
| 670  | 67  | 1  | 122 |
| 772  | 77  | 3  | 133 |
| 823  | 82  | 4  | 130 |
| 830  | 83  | 1  | 122 |
| 832  | 83  | 3  | 123 |
| 840  | 84  | 1  | 75  |
| 1010 | 101 | 1  | 137 |
| 1032 | 103 | 3  | 124 |
| 1070 | 107 | 1  | 72  |
| 1080 | 108 | 1  | 126 |
| 1082 | 108 | 3  | 141 |
| 1132 | 113 | 3  | 75  |
| 1210 | 121 | 1  | 71  |
| 1212 | 121 | 3  | 72  |
| 1213 | 121 | 4  | 127 |
| 1233 | 123 | 4  | 77  |
| 1260 | 126 | 1  | 75  |
| 1312 | 131 | 3  | 125 |
| 1315 | 131 | 6  | 73  |
| 1317 | 131 | 8  | 73  |
|      |     |    |     |

| 1319 | 131 | 10 | 73  |
|------|-----|----|-----|
| 1323 | 132 | 4  | 67  |
| 1343 | 134 | 4  | 74  |
| 1350 | 135 | 1  | 127 |
| 1353 | 135 | 4  | 76  |
| 1442 | 144 | 3  | 122 |
| 1502 | 150 | 3  | 70  |
| 1533 | 153 | 4  | 71  |
| 1803 | 180 | 4  | 124 |
| 1850 | 185 | 1  | 133 |
| 1892 | 189 | 3  | 130 |
| 1900 | 190 | 1  | 77  |
| 1905 | 190 | 6  | 125 |
| 1907 | 190 | 8  | 125 |
| 1909 | 190 | 10 | 125 |
| 1952 | 195 | 3  | 75  |
| 1992 | 199 | 3  | 72  |
| 2010 | 201 | 1  | 127 |
| 2093 | 209 | 4  | 124 |
| 2132 | 213 | 3  | 76  |
| 2140 | 214 | 1  | 122 |
| 2160 | 216 | 1  | 61  |
| 2190 | 219 | 1  | 72  |
| 2203 | 220 | 4  | 75  |
| 2212 | 221 | 3  | 123 |
| 2360 | 236 | 1  | 133 |
| 2362 | 236 | 3  | 130 |
| 2382 | 238 | 3  | 77  |
| 2462 | 246 | 3  | 130 |
| 2482 | 248 | 3  | 134 |
| 2483 | 248 | 4  | 73  |
| 2500 | 250 | 1  | 143 |
| 2612 | 261 | 3  | 125 |
| 2673 | 267 | 4  | 76  |
| 2682 | 268 | 3  | 126 |
|      |     |    |     |

| 2692 | 269 | 3  | 124 |
|------|-----|----|-----|
| 2705 | 270 | 6  | 123 |
| 2707 | 270 | 8  | 123 |
| 2709 | 270 | 10 | 123 |
| 2712 | 271 | 3  | 122 |
| 2713 | 271 | 4  | 125 |
| 2722 | 272 | 3  | 71  |
| 2832 | 283 | 3  | 125 |
| 2893 | 289 | 4  | 122 |
| 2922 | 292 | 3  | 133 |
| 2930 | 293 | 1  | 123 |
| 2940 | 294 | 1  | 74  |
| 2963 | 296 | 4  | 122 |
| 2980 | 298 | 1  | 125 |
| 2982 | 298 | 3  | 126 |
| 3013 | 301 | 4  | 129 |
| 3032 | 303 | 3  | 71  |
| 3100 | 310 | 1  | 123 |
| 3150 | 315 | 1  | 77  |
| 3160 | 316 | 1  | 124 |
| 3173 | 317 | 4  | 77  |
| 3192 | 319 | 3  | 135 |
| 3212 | 321 | 3  | 124 |
| 3330 | 333 | 1  | 125 |
| 3352 | 335 | 3  | 126 |
| 3360 | 336 | 1  | 67  |
| 3443 | 344 | 4  | 128 |
| 3492 | 349 | 3  | 75  |
| 3593 | 359 | 4  | 123 |
| 3620 | 362 | 1  | 65  |
| 3633 | 363 | 4  | 122 |
| 3649 | 364 | 10 | 77  |
| 3663 | 366 | 4  | 124 |
| 3712 | 371 | 3  | 123 |
| 3753 | 375 | 4  | 75  |
|      |     |    |     |

| 3803 | 380 | 4  | 63  |
|------|-----|----|-----|
| 3840 | 384 | 1  | 125 |
| 3870 | 387 | 1  | 72  |
| 3890 | 389 | 1  | 75  |
| 3920 | 392 | 1  | 75  |
| 3925 | 392 | 6  | 123 |
| 3927 | 392 | 8  | 123 |
| 3929 | 392 | 10 | 122 |
| 3982 | 398 | 3  | 77  |

## ../data/D1-50.csv

| pos | row | column | value |
|-----|-----|--------|-------|
| 18  | 1   | 9      | 175   |
| 39  | 3   | 10     | 16    |
| 49  | 4   | 10     | 22    |
| 79  | 7   | 10     | 0     |
| 89  | 8   | 10     | 291   |
| 109 | 10  | 10     | 191   |
| 119 | 11  | 10     | 293   |
| 149 | 14  | 10     | 0     |
| 169 | 16  | 10     | 32    |
| 189 | 18  | 10     | 198   |
| 199 | 19  | 10     | 28    |
| 208 | 20  | 9      | 168   |
| 218 | 21  | 9      | 26    |
| 219 | 21  | 10     | 0     |
| 269 | 26  | 10     | 230   |
| 279 | 27  | 10     | 176   |
| 308 | 30  | 9      | 181   |
| 318 | 31  | 9      | 178   |
| 329 | 32  | 10     | 27    |
| 349 | 34  | 10     | 21    |
| 379 | 37  | 10     | 192   |
| 389 | 38  | 10     | 0     |
| 409 | 40  | 10     | 31    |

| 447 | 44 | 8  | 27  |
|-----|----|----|-----|
| 448 | 44 | 9  | 26  |
| 459 | 45 | 10 | 276 |
| 469 | 46 | 10 | 172 |
| 479 | 47 | 10 | 179 |

### ../data/D3-250.csv

| pos | row | column | value |
|-----|-----|--------|-------|
| 3   | 0   | 4      | 124   |
| 9   | 0   | 10     | 69    |
| 19  | 1   | 10     | 80    |
| 59  | 5   | 10     | 128   |
| 89  | 8   | 10     | 123   |
| 97  | 9   | 8      | 120   |
| 99  | 9   | 10     | 131   |
| 109 | 10  | 10     | 79    |
| 123 | 12  | 4      | 73    |
| 133 | 13  | 4      | 66    |
| 153 | 15  | 4      | 76    |
| 163 | 16  | 4      | 76    |
| 169 | 16  | 10     | 80    |
| 173 | 17  | 4      | 62    |
| 185 | 18  | 6      | 121   |
| 193 | 19  | 4      | 122   |
| 203 | 20  | 4      | 120   |
| 303 | 30  | 4      | 123   |
| 307 | 30  | 8      | 79    |
| 353 | 35  | 4      | 128   |
| 358 | 35  | 9      | 80    |
| 419 | 41  | 10     | 123   |
| 453 | 45  | 4      | 134   |
| 489 | 48  | 10     | 126   |
| 503 | 50  | 4      | 124   |
| 509 | 50  | 10     | 75    |
| 533 | 53  | 4      | 80    |

| 545  | 54  | 6  | 80  |
|------|-----|----|-----|
| 549  | 54  | 10 | 77  |
| 553  | 55  | 4  | 123 |
| 599  | 59  | 10 | 79  |
| 697  | 69  | 8  | 122 |
| 713  | 71  | 4  | 128 |
| 773  | 77  | 4  | 80  |
| 783  | 78  | 4  | 124 |
| 809  | 80  | 10 | 120 |
| 819  | 81  | 10 | 132 |
| 859  | 85  | 10 | 126 |
| 869  | 86  | 10 | 78  |
| 979  | 97  | 10 | 128 |
| 993  | 99  | 4  | 80  |
| 1009 | 100 | 10 | 72  |
| 1013 | 101 | 4  | 74  |
| 1053 | 105 | 4  | 80  |
| 1104 | 110 | 5  | 121 |
| 1105 | 110 | 6  | 76  |
| 1113 | 111 | 4  | 65  |
| 1133 | 113 | 4  | 76  |
| 1173 | 117 | 4  | 125 |
| 1179 | 117 | 10 | 78  |
| 1299 | 129 | 10 | 124 |
| 1319 | 131 | 10 | 75  |
| 1343 | 134 | 4  | 120 |
| 1443 | 144 | 4  | 124 |
| 1452 | 145 | 3  | 79  |
| 1456 | 145 | 7  | 80  |
| 1459 | 145 | 10 | 128 |
| 1479 | 147 | 10 | 72  |
| 1493 | 149 | 4  | 121 |
| 1519 | 151 | 10 | 122 |
| 1649 | 164 | 10 | 124 |
| 1669 | 166 | 10 | 78  |
|      |     |    |     |

| 1739       173       10         1781       178       2         1789       178       10         1831       183       2         1859       185       10         1869       186       10         1899       189       10         1933       193       4         1959       195       10         2013       201       4         2043       204       4         2049       204       10         2069       206       10         2079       207       10         2091       209       2         2099       209       10         2139       213       10         2153       215       4         2159       215       10         2203       220       4         2213       221       4         2223       222       4         2239       223       10         2243       224       4         2249       224       10         2251       22         2279       227       10          |
|---|
| 1789       178       10         1831       183       2         1859       185       10         1869       186       10         1899       189       10         1933       193       4         1959       195       10         2013       201       4         2043       204       4         2049       204       10         2069       206       10         2079       207       10         2091       209       2         2099       209       10         2139       213       10         2153       215       4         2159       215       10         2203       220       4         2213       221       4         2239       223       10         2243       224       4         2249       224       10         2251       225       2         2279       227       10         2289       228       10         2333       233       4         2337       233       8 |
| 1831       183       2         1859       185       10         1869       186       10         1899       189       10         1933       193       4         1959       195       10         2013       201       4         2043       204       4         2049       204       10         2079       207       10         2091       209       10         2139       213       10         2153       215       4         2159       215       10         2203       220       4         2213       221       4         2223       222       4         2239       223       10         2243       224       4         2249       224       10         2251       22         2279       227       10         2289       228       10         2333       233       4         2337       233       8         2339       233       10         2389       238       10          |
| 1859       185       10         1869       186       10         1899       189       10         1933       193       4         1959       195       10         2013       201       4         2043       204       4         2049       204       10         2079       207       10         2091       209       2         2099       209       10         2139       213       10         2153       215       4         2159       215       10         2203       220       4         2213       221       4         2223       222       4         2239       223       10         2243       224       4         2249       224       10         2251       22         2279       227       10         2289       228       10         2333       233       4         2337       233       8         2339       238       10         2389       238       10          |
| 1869       186       10         1899       189       10         1933       193       4         1959       195       10         2013       201       4         2043       204       4         2049       204       10         2069       206       10         2079       207       10         2091       209       2         2099       209       10         2139       213       10         2153       215       4         2159       215       10         2203       220       4         2213       221       4         2223       222       4         2239       223       10         2243       224       4         2249       224       10         2251       225       2         2279       227       10         2289       228       10         2333       233       4         2339       233       10         2389       238       10         2393       239       4 |
| 1899       189       10         1933       193       4         1959       195       10         2013       201       4         2043       204       4         2049       204       10         2069       206       10         2079       207       10         2091       209       2         2099       209       10         2139       213       10         2153       215       4         2159       215       10         2203       220       4         2213       221       4         2223       222       4         2239       223       10         2243       224       4         2249       224       10         2251       22         2279       227       10         2289       228       10         2333       233       4         2337       233       8         2339       238       10         2389       238       10         2393       239       4 </td      |
| 1933       193       4         1959       195       10         2013       201       4         2043       204       4         2049       204       10         2069       206       10         2079       207       10         2091       209       2         2099       209       10         2139       213       10         2153       215       4         2159       215       10         2203       220       4         2213       221       4         2239       223       10         2243       224       4         2249       224       10         2251       225       2         2279       227       10         2289       228       10         2333       233       4         2337       233       8         2339       238       10         2389       238       10         2393       239       4   |
| 1959       195       10         2013       201       4         2043       204       4         2049       204       10         2079       207       10         2091       209       2         2099       209       10         2139       213       10         2153       215       4         2159       215       10         2203       220       4         2213       221       4         2223       222       4         2239       223       10         2243       224       4         2249       224       10         2251       225       2         2279       227       10         2289       228       10         2333       233       4         2337       233       8         2339       238       10         2389       238       10         2393       239       4   |
| 2013       201       4         2043       204       4         2049       204       10         2069       206       10         2079       207       10         2091       209       2         2099       209       10         2139       213       10         2153       215       4         2159       215       10         2203       220       4         2213       221       4         2223       222       4         2239       223       10         2243       224       4         2249       224       10         2251       225       2         2279       227       10         2289       228       10         2333       233       4         2337       233       8         2339       238       10         2389       238       10         2393       239       4   |
| 2043       204       4         2049       204       10         2069       206       10         2079       207       10         2091       209       2         2099       209       10         2139       213       10         2153       215       4         2159       215       10         2203       220       4         2213       221       4         2223       222       4         2239       223       10         2243       224       4         2249       224       10         2251       225       2         2279       227       10         2289       228       10         2333       233       4         2337       233       8         2339       238       10         2389       238       10         2393       239       4  |
| 2049       204       10         2069       206       10         2079       207       10         2091       209       2         2099       209       10         2139       213       10         2153       215       4         2159       215       10         2203       220       4         2213       221       4         2239       223       10         2243       224       4         2249       224       10         2251       225       2         2279       227       10         2289       228       10         2333       233       4         2337       233       8         2339       238       10         2389       238       10         2389       238       10         2393       239       4  |
| 2069       206       10         2079       207       10         2091       209       2         2099       209       10         2139       213       10         2153       215       4         2159       215       10         2203       220       4         2213       221       4         2239       223       10         2243       224       4         2249       224       10         2251       225       2         2279       227       10         2289       228       10         2333       233       4         2337       233       8         2339       233       10         2389       238       10         2393       239       4  |
| 2079       207       10         2091       209       2         2099       209       10         2139       213       10         2153       215       4         2159       215       10         2203       220       4         2213       221       4         2239       223       10         2243       224       4         2249       224       10         2251       225       2         2279       227       10         2289       228       10         2333       233       4         2337       233       8         2339       233       10         2389       238       10         2393       239       4  |
| 2091       209       2         2099       209       10         2139       213       10         2153       215       4         2159       215       10         2203       220       4         2213       221       4         2223       222       4         2239       223       10         2243       224       4         2249       224       10         2251       225       2         2279       227       10         2289       228       10         2333       233       4         2337       233       8         2339       233       10         2389       238       10         2393       239       4   |
| 2099       209       10         2139       213       10         2153       215       4         2159       215       10         2203       220       4         2213       221       4         2223       222       4         2239       223       10         2243       224       4         2249       224       10         2251       225       2         2279       227       10         2289       228       10         2333       233       4         2337       233       8         2339       238       10         2389       238       10         2393       239       4  |
| 2139       213       10         2153       215       4         2159       215       10         2203       220       4         2213       221       4         2223       222       4         2239       223       10         2243       224       4         2249       224       10         2251       225       2         2279       227       10         2333       233       4         2337       233       8         2339       233       10         2389       238       10         2393       239       4  |
| 2153       215       4         2159       215       10         2203       220       4         2213       221       4         2223       222       4         2239       223       10         2243       224       4         2249       224       10         2251       225       2         2279       227       10         2389       228       10         2333       4         2337       233       8         2339       233       10         2389       238       10         2393       239       4  |
| 2159       215       10         2203       220       4         2213       221       4         2223       222       4         2239       223       10         2243       224       4         2249       224       10         2251       225       2         2279       227       10         2333       233       4         2337       233       8         2339       233       10         2389       238       10         2393       239       4   |
| 2203       220       4         2213       221       4         2223       222       4         2239       223       10         2243       224       4         2249       224       10         2251       225       2         2279       227       10         2289       228       10         2333       233       4         2337       233       8         2339       233       10         2389       238       10         2393       239       4   |
| 2213     221     4       2223     222     4       2239     223     10       2243     224     4       2249     224     10       2251     225     2       2279     227     10       2289     228     10       2333     233     4       2337     233     8       2339     233     10       2389     238     10       2393     239     4  |
| 2223     222     4       2239     223     10       2243     224     4       2249     224     10       2251     225     2       2279     227     10       2289     228     10       2333     233     4       2337     233     8       2339     233     10       2389     238     10       2393     239     4   |
| 2239     223     10       2243     224     4       2249     224     10       2251     225     2       2279     227     10       2289     228     10       2333     233     4       2337     233     8       2339     233     10       2389     238     10       2393     239     4  |
| 2243     224     4       2249     224     10       2251     225     2       2279     227     10       2289     228     10       2333     233     4       2337     233     8       2339     233     10       2389     238     10       2393     239     4  |
| 2249     224     10       2251     225     2       2279     227     10       2289     228     10       2333     233     4       2337     233     8       2339     233     10       2389     238     10       2393     239     4   |
| 2251     225       2279     227     10       2289     228     10       2333     233     4       2337     233     8       2339     233     10       2389     238     10       2393     239     4   |
| 2279 227 10<br>2289 228 10<br>2333 233 4<br>2337 233 8<br>2339 233 10<br>2389 238 10<br>2393 239 4  |
| 2289 228 10<br>2333 233 4<br>2337 233 8<br>2339 233 10<br>2389 238 10<br>2393 239 4   |
| 2333       233       4         2337       233       8         2339       233       10         2389       238       10         2393       239       4  |
| 2337     233     8       2339     233     10       2389     238     10       2393     239     4   |
| 2339 233 10<br>2389 238 10<br>2393 239 4  |
| 2389 238 10<br>2393 239 4   |
| 2393 239 4  |
|   |
| 2443 244 4  |
|   |
| 2479 247 10   |
|   |

### ../data/D1-400.csv

| pos  | row | column | value |
|------|-----|--------|-------|
| 208  | 20  | 9      | 305   |
| 298  | 29  | 9      | 312   |
| 378  | 37  | 9      | 314   |
| 388  | 38  | 9      | 315   |
| 712  | 71  | 3      | 308   |
| 848  | 84  | 9      | 331   |
| 948  | 94  | 9      | 340   |
| 968  | 96  | 9      | 341   |
| 1048 | 104 | 9      | 341   |
| 1088 | 108 | 9      | 331   |
| 1098 | 109 | 9      | 328   |
| 1108 | 110 | 9      | 322   |
| 1208 | 120 | 9      | 335   |
| 1278 | 127 | 9      | 336   |
| 1328 | 132 | 9      | 327   |
| 1348 | 134 | 9      | 325   |
| 1358 | 135 | 9      | 312   |
| 1468 | 146 | 9      | 309   |
| 1598 | 159 | 9      | 308   |
| 1638 | 163 | 9      | 311   |
| 1688 | 168 | 9      | 310   |
| 1729 | 172 | 10     | 302   |
| 1769 | 176 | 10     | 303   |
| 1959 | 195 | 10     | 335   |
| 1999 | 199 | 10     | 392   |
| 2219 | 221 | 10     | 395   |
| 2319 | 231 | 10     | 425   |
| 2389 | 238 | 10     | 470   |
| 2467 | 246 | 8      | 330   |
| 2499 | 249 | 10     | 489   |
| 2529 | 252 | 10     | 492   |
| 2539 | 253 | 10     | 322   |
|      |     |        |       |

| 2549 | 254 | 10 | 383 |
|------|-----|----|-----|
| 2699 | 269 | 10 | 520 |
| 2719 | 271 | 10 | 430 |
| 2747 | 274 | 8  | 336 |
| 2867 | 286 | 8  | 302 |
| 2928 | 292 | 9  | 315 |
| 2948 | 294 | 9  | 305 |
| 2958 | 295 | 9  | 326 |
| 2988 | 298 | 9  | 316 |
| 2989 | 298 | 10 | 359 |
| 3018 | 301 | 9  | 324 |
| 3019 | 301 | 10 | 476 |
| 3028 | 302 | 9  | 324 |
| 3029 | 302 | 10 | 309 |
| 3058 | 305 | 9  | 328 |
| 3059 | 305 | 10 | 615 |
| 3068 | 306 | 9  | 328 |
| 3078 | 307 | 9  | 318 |
| 3088 | 308 | 9  | 331 |
| 3108 | 310 | 9  | 327 |
| 3109 | 310 | 10 | 627 |
| 3188 | 318 | 9  | 367 |
| 3189 | 318 | 10 | 377 |
| 3198 | 319 | 9  | 368 |
| 3208 | 320 | 9  | 346 |
| 3218 | 321 | 9  | 349 |
| 3248 | 324 | 9  | 338 |
| 3249 | 324 | 10 | 662 |
| 3258 | 325 | 9  | 319 |
| 3268 | 326 | 9  | 312 |
| 3288 | 328 | 9  | 308 |
| 3309 | 330 | 10 | 706 |
| 3318 | 331 | 9  | 321 |
| 3329 | 332 | 10 | 698 |
| 3389 | 338 | 10 | 652 |
|      |     |    |     |

| 3409 | 340 | 10 | 811  |
|------|-----|----|------|
| 3429 | 342 | 10 | 398  |
| 3449 | 344 | 10 | 746  |
| 3469 | 346 | 10 | 744  |
| 3479 | 347 | 10 | 900  |
| 3509 | 350 | 10 | 647  |
| 3529 | 352 | 10 | 599  |
| 3539 | 353 | 10 | 308  |
| 3549 | 354 | 10 | 315  |
| 3559 | 355 | 10 | 909  |
| 3569 | 356 | 10 | 931  |
| 3589 | 358 | 10 | 477  |
| 3599 | 359 | 10 | 306  |
| 3609 | 360 | 10 | 396  |
| 3639 | 363 | 10 | 508  |
| 3649 | 364 | 10 | 437  |
| 3689 | 368 | 10 | 338  |
| 3699 | 369 | 10 | 493  |
| 3739 | 373 | 10 | 1000 |
| 3749 | 374 | 10 | 401  |
| 3769 | 376 | 10 | 319  |
| 3789 | 378 | 10 | 1000 |
| 3799 | 379 | 10 | 1000 |
| 3809 | 380 | 10 | 607  |
| 3849 | 384 | 10 | 452  |
| 3869 | 386 | 10 | 382  |
| 3879 | 387 | 10 | 1000 |
| 3889 | 388 | 10 | 370  |
| 3899 | 389 | 10 | 759  |
| 3919 | 391 | 10 | 435  |
| 3949 | 394 | 10 | 955  |
| 3959 | 395 | 10 | 962  |
| 3969 | 396 | 10 | 891  |
|      |     |    |      |

## ../data/D2-150.csv

| pos  | row | column | value |
|------|-----|--------|-------|
| 0    | 0   | 1      | 54    |
| 30   | 3   | 1      | 142   |
| 192  | 19  | 3      | 76    |
| 210  | 21  | 1      | 72    |
| 212  | 21  | 3      | 68    |
| 250  | 25  | 1      | 73    |
| 315  | 31  | 6      | 76    |
| 317  | 31  | 8      | 76    |
| 319  | 31  | 10     | 76    |
| 372  | 37  | 3      | 72    |
| 512  | 51  | 3      | 71    |
| 632  | 63  | 3      | 126   |
| 670  | 67  | 1      | 128   |
| 675  | 67  | 6      | 73    |
| 677  | 67  | 8      | 73    |
| 679  | 67  | 10     | 73    |
| 840  | 84  | 1      | 74    |
| 882  | 88  | 3      | 127   |
| 933  | 93  | 4      | 130   |
| 983  | 98  | 4      | 128   |
| 1010 | 101 | 1      | 72    |
| 1070 | 107 | 1      | 75    |
| 1172 | 117 | 3      | 148   |
| 1202 | 120 | 3      | 130   |
| 1225 | 122 | 6      | 70    |
| 1227 | 122 | 8      | 70    |
| 1229 | 122 | 10     | 70    |
| 1373 | 137 | 4      | 127   |
| 1390 | 139 | 1      | 124   |
| 1412 | 141 | 3      | 124   |
| 1482 | 148 | 3      | 70    |
| 1483 | 148 | 4      | 131   |
| 1492 | 149 | 3      | 133   |

| pos  | row | column | value |
|------|-----|--------|-------|
| 79   | 7   | 10     | 297   |
| 199  | 19  | 10     | 352   |
| 629  | 62  | 10     | 487   |
| 728  | 72  | 9      | 269   |
| 739  | 73  | 10     | 327   |
| 869  | 86  | 10     | 551   |
| 889  | 88  | 10     | 561   |
| 969  | 96  | 10     | 245   |
| 1019 | 101 | 10     | 430   |
| 1028 | 102 | 9      | 355   |
| 1039 | 103 | 10     | 249   |
| 1239 | 123 | 10     | 262   |
| 1248 | 124 | 9      | 273   |
| 1286 | 128 | 7      | 246   |
| 1389 | 138 | 10     | 245   |
| 1449 | 144 | 10     | 630   |
| 1489 | 148 | 10     | 253   |
| 1549 | 154 | 10     | 260   |
| 1609 | 160 | 10     | 330   |
| 1718 | 171 | 9      | 267   |
| 1767 | 176 | 8      | 266   |
| 1789 | 178 | 10     | 707   |
| 1809 | 180 | 10     | 341   |
| 1828 | 182 | 9      | 254   |
| 1839 | 183 | 10     | 413   |
| 1849 | 184 | 10     | 304   |
| 1857 | 185 | 8      | 292   |
| 1889 | 188 | 10     | 273   |
| 1890 | 189 | 1      | 260   |
| 1978 | 197 | 9      | 293   |
| 1989 | 198 | 10     | 824   |
| 2019 | 201 | 10     | 632   |
| 2029 | 202 | 10     | 336   |
|      |     |        |       |

| 2048 | 204 | 9  | 346 |
|------|-----|----|-----|
| 2058 | 205 | 9  | 266 |
| 2068 | 206 | 9  | 325 |
| 2069 | 206 | 10 | 275 |
| 2078 | 207 | 9  | 344 |
| 2119 | 211 | 10 | 845 |
| 2129 | 212 | 10 | 293 |
| 2149 | 214 | 10 | 765 |
| 2159 | 215 | 10 | 308 |
| 2168 | 216 | 9  | 272 |
| 2169 | 216 | 10 | 334 |
| 2179 | 217 | 10 | 286 |
| 2189 | 218 | 10 | 323 |
| 2219 | 221 | 10 | 318 |
| 2269 | 226 | 10 | 370 |
| 2309 | 230 | 10 | 449 |
| 2319 | 231 | 10 | 251 |
| 2329 | 232 | 10 | 658 |
| 2349 | 234 | 10 | 326 |
| 2359 | 235 | 10 | 438 |
| 2369 | 236 | 10 | 289 |
| 2399 | 239 | 10 | 244 |
| 2419 | 241 | 10 | 409 |
| 2439 | 243 | 10 | 256 |
| 2449 | 244 | 10 | 303 |
| 2459 | 245 | 10 | 405 |
| 2489 | 248 | 10 | 424 |

### ../data/D4-400.csv

Number of findings: 0

pos row column value

### ../data/D2-50.csv

| pos | row | column | value |
|-----|-----|--------|-------|
| 232 | 23  | 3      | 69    |

| 373 | 37 | 4 | 132 |
|-----|----|---|-----|
| 440 | 44 | 1 | 69  |
| 452 | 45 | 3 | 146 |

## ../data/test.csv

| pos | row | column | value |
|-----|-----|--------|-------|
| 19  | 1   | 10     | 0     |
| 49  | 4   | 10     | 0     |
| 68  | 6   | 9      | 0     |
| 69  | 6   | 10     | 0     |
| 79  | 7   | 10     | 341   |
| 89  | 8   | 10     | 0     |