| 100   96   3136   7     100   75   1233   3     100   100   4984   4     100   99   3582   2     100   94   2395   4     100   93   1933   3     100   95   2859   4     100   95   2859   4     100   100   4372   4     100   99   4372   4     100   85   1445   5     100   100   3835   4     100   100   4376   2     100   98   2838   6     100   99   4971   2     100   39   248   6     100   39   248   6     100   98   3635   5     100   98   3635   5     100   98   3635   5     100   98   3259   2     100   99   3580   2 </th <th>MaxTime</th> <th>Number of Requests Granted</th> <th>Total Number of Requests</th> <th>Average Duration of a Request</th> <th></th> | MaxTime | Number of Requests Granted | Total Number of Requests | Average Duration of a Request |   |
|--|---------|----------------------------|--------------------------|-------------------------------|---|
| 100   100   4984   4     100   99   3582   2     100   94   2395   4     100   98   1753   5     100   95   2859   4     100   100   4372   4     100   99   4372   4     100   100   3835   4     100   100   4376   2     100   98   2838   6     100   99   4971   2     100   99   4971   2     100   39   248   6     100   39   248   6     100   39   248   6     100   39   248   6     100   81   1528   3     100   98   3635   5     100   87   1890   5     100   98   3259   2     100   99   3580   2     100   99   3580   2 <td></td> <td></td> <td></td> <td></td> <td></td>  |         |                            |                          |                               |   |
| 100   99   3582   2     100   94   2395   4     100   88   1753   5     100   93   1933   3     100   95   2859   4     100   100   4372   4     100   99   4372   4     100   85   1445   5     100   100   3835   4     100   100   4376   2     100   98   2838   6     100   99   4971   2     100   4033   4   6     100   39   248   6     100   39   248   6     100   81   1528   3     100   81   1528   3     100   98   3635   5     100   87   1244   7     100   87   1290   5     100   99   3580   2     100   99   3580   2 <td></td> <td></td> <td></td> <td></td> <td></td>  |         |                            |                          |                               |   |
| 100   94   2395   4     100   88   1753   5     100   93   1993   3     100   95   2859   4     100   100   4372   4     100   99   4372   4     100   100   3835   4     100   100   3835   4     100   100   4376   2     100   98   2838   6     100   99   4971   2     100   100   4033   4     100   39   248   6     100   39   248   6     100   81   1528   3     100   98   3635   5     100   98   3635   5     100   87   1214   7     100   87   1214   7     100   99   3580   2     100   99   3580   2     100   95   2259   7<  |         |                            |                          |                               |   |
| 100   88   1753   5     100   93   1933   3     100   95   2859   4     100   100   4372   4     100   99   4372   4     100   100   3835   4     100   100   3835   4     100   98   2838   6     100   98   2838   6     100   99   4971   2     100   99   4971   2     100   100   4033   4     100   39   248   6     100   81   1528   3     100   98   3635   5     100   98   3635   5     100   81   1528   3     100   78   1214   7     100   87   1890   5     100   99   3580   2     100   99   3580   2     100   80   1377   6<  |         |                            |                          |                               |   |
| 100   93   1933   3     100   95   2859   4     100   100   4372   4     100   99   4372   4     100   85   1445   5     100   100   3835   4     100   100   4376   2     100   98   2838   6     100   99   4971   2     100   100   4033   4     100   39   248   6     100   39   248   6     100   81   1528   3     100   81   1528   3     100   98   3635   5     100   87   1890   5     100   87   1890   5     100   98   3259   2     100   99   3580   2     100   80   1377   6     100   86   1208   4     100   86   1208   4 </td <td></td> <td></td> <td></td> <td></td> <td></td>   |         |                            |                          |                               |   |
| 100     95     2859     4       100     100     4372     4       100     99     4372     4       100     85     1445     5       100     100     3835     4       100     100     4376     2       100     98     2838     6       100     99     4971     2       100     100     4033     4       100     39     248     6       100     39     248     6       100     39     248     6       100     39     248     6       100     38     3635     5       100     78     1214     7       100     87     1890     5       100     98     3259     2       100     99     3580     2       100     95     2259     7       100     86     1208     4       100                        |         |                            |                          |                               |   |
| 100   100   4372   4     100   99   4372   4     100   100   3835   4     100   100   4376   2     100   98   2838   6     100   99   4971   2     100   100   4033   4     100   39   248   6     100   81   1528   3     100   98   3635   5     100   98   3635   5     100   98   3635   5     100   87   1890   5     100   87   1890   5     100   99   3580   2     100   99   3580   2     100   99   3580   2     100   99   3580   2     100   99   3580   2     100   86   1208   4     100   65   670   4     100   88   2011   5 </td <td></td> <td></td> <td></td> <td></td> <td></td>   |         |                            |                          |                               |   |
| 100   99   4372   4     100   85   1445   5     100   100   3835   4     100   100   4376   2     100   98   2838   6     100   99   4971   2     100   100   4033   4     100   39   248   6     100   81   1528   3     100   98   3635   5     100   78   1214   7     100   87   1890   5     100   87   1890   5     100   98   3259   2     100   98   3259   2     100   99   3580   2     100   99   3580   2     100   99   3580   2     100   86   1208   4     100   86   1208   4     100   88   2011   5     100   99   3644   2 </td <td></td> <td></td> <td></td> <td></td> <td></td>   |         |                            |                          |                               |   |
| 100     85     1445     5       100     100     3835     4       100     98     2838     6       100     99     4971     2       100     100     4033     4       100     39     248     6       100     81     1528     3       100     98     3635     5       100     78     1214     7       100     87     1890     5       100     98     3259     2       100     98     3259     2       100     99     3580     2       100     95     2259     7       100     80     1377     6       100     86     1208     4       100     86     1208     4       100     88     2011     5       100     88     2011     5       100     99     3644     2       10                        |         |                            |                          |                               |   |
| 100   100   3835   4     100   100   4376   2     100   98   2838   6     100   99   4971   2     100   100   4033   4     100   39   248   6     100   81   1528   3     100   98   3635   5     100   87   1890   5     100   98   3259   2     100   98   3259   2     100   99   3580   2     100   95   2259   7     100   80   1377   6     100   86   1208   4     100   86   1208   4     100   86   1208   4     100   88   2011   5     100   88   2011   5     100   88   2011   5     100   99   3644   2     100   99   4723   8 </td <td></td> <td></td> <td></td> <td></td> <td></td>   |         |                            |                          |                               |   |
| 100   100   4376   2     100   98   2838   6     100   99   4971   2     100   100   4033   4     100   39   248   6     100   81   1528   3     100   98   3635   5     100   78   1214   7     100   87   1890   5     100   98   3259   2     100   98   3259   2     100   99   3580   2     100   95   2259   7     100   80   1377   6     100   80   1377   6     100   86   1208   4     100   72   816   5     100   88   2011   5     100   88   2011   5     100   83   1415   1     100   99   3644   2     100   99   4723   8 <td></td> <td></td> <td></td> <td></td> <td></td>  |         |                            |                          |                               |   |
| 100   98   2838   6     100   99   4971   2     100   100   4033   4     100   39   248   6     100   81   1528   3     100   98   3635   5     100   78   1214   7     100   87   1890   5     100   98   3259   2     100   99   3580   2     100   95   2259   7     100   80   1377   6     100   80   1377   6     100   86   1208   4     100   86   1208   4     100   65   670   4     100   88   2011   5     100   30   141   4     100   99   3644   2     100   83   1415   1     100   99   4723   8     100   99   4723   8  |         |                            |                          |                               |   |
| 100   100   4033   4     100   39   248   6     100   81   1528   3     100   98   3635   5     100   78   1214   7     100   87   1890   5     100   98   3259   2     100   99   3580   2     100   99   3580   2     100   95   2259   7     100   80   1377   6     100   80   1377   4     100   86   1208   4     100   86   1208   4     100   72   816   5     100   88   2011   5     100   88   2011   5     100   83   1415   1     100   99   4723   8     100   99   4723   8     100   97   3824   2     100   99   1941   4   | 100     | 98                         | 2838                     |                               |   |
| 100   39   248   6     100   81   1528   3     100   98   3635   5     100   78   1214   7     100   87   1890   5     100   98   3259   2     100   99   3580   2     100   95   2259   7     100   80   1377   6     100   100   4917   4     100   86   1208   4     100   86   1208   4     100   86   1208   4     100   86   1208   4     100   87   816   5     100   88   2011   5     100   30   141   4     100   99   3644   2     100   83   1415   1     100   99   4723   8     100   97   3824   2     100   90   1941   4  | 100     | 99                         | 4971                     |                               | 2 |
| 100   81   1528   3     100   98   3635   5     100   78   1214   7     100   87   1890   5     100   98   3259   2     100   99   3580   2     100   95   2259   7     100   80   1377   6     100   100   4917   4     100   86   1208   4     100   86   1208   4     100   65   670   4     100   88   2011   5     100   88   2011   5     100   83   141   4     100   99   3644   2     100   99   4723   8     100   97   3824   2     100   97   3824   2     100   97   3824   2     100   59   586   7     100   59   586   7   | 100     | 100                        | 4033                     |                               | 4 |
| 100   98   3635   5     100   78   1214   7     100   87   1890   5     100   98   3259   2     100   99   3580   2     100   95   2259   7     100   80   1377   6     100   100   4917   4     100   86   1208   4     100   86   1208   4     100   65   670   4     100   88   2011   5     100   30   141   4     100   99   3644   2     100   83   1415   1     100   99   4723   8     100   97   3824   2     100   97   3824   2     100   90   1941   4     100   59   586   7     100   59   586   7     100   30   155   3  |         |                            |                          |                               |   |
| 100   78   1214   7     100   87   1890   5     100   98   3259   2     100   99   3580   2     100   95   2259   7     100   80   1377   6     100   100   4917   4     100   86   1208   4     100   72   816   5     100   65   670   4     100   30   141   4     100   30   141   4     100   99   3644   2     100   99   4723   8     100   99   4723   8     100   99   4723   8     100   97   3824   2     100   97   3824   2     100   90   1941   4     100   59   586   7     100   59   596   2     100   30   155   3  |         |                            |                          |                               |   |
| 100   87   1890   5     100   98   3259   2     100   99   3580   2     100   95   2259   7     100   80   1377   6     100   100   4917   4     100   86   1208   4     100   65   670   4     100   65   670   4     100   88   2011   5     100   30   141   4     100   99   3644   2     100   99   4723   8     100   99   4723   8     100   97   3824   2     100   90   1941   4     100   59   586   7     100   59   586   7     100   30   155   3     100   96   2851   6     100   78   1153   5     100   78   1153   5   |         |                            |                          |                               |   |
| 100   98   3259   2     100   99   3580   2     100   95   2259   7     100   80   1377   6     100   100   4917   4     100   86   1208   4     100   72   816   5     100   65   670   4     100   88   2011   5     100   30   141   4     100   99   3644   2     100   83   1415   1     100   99   4723   8     100   97   3824   2     100   97   3824   2     100   59   586   7     100   59   596   2     100   100   4421   1     100   30   155   3     100   96   2851   6     100   78   1153   5     100   21   77   3  |         |                            |                          |                               |   |
| 100   99   3580   2     100   95   2259   7     100   80   1377   6     100   100   4917   4     100   86   1208   4     100   72   816   5     100   65   670   4     100   88   2011   5     100   30   141   4     100   99   3644   2     100   83   1415   1     100   99   4723   8     100   97   3824   2     100   97   3824   2     100   90   1941   4     100   59   586   7     100   59   596   2     100   100   4421   1     100   30   155   3     100   96   2851   6     100   78   1153   5     100   21   77   3  |         |                            |                          |                               |   |
| 100   95   2259   7     100   80   1377   6     100   100   4917   4     100   86   1208   4     100   72   816   5     100   65   670   4     100   88   2011   5     100   30   141   4     100   99   3644   2     100   83   1415   1     100   99   4723   8     100   97   3824   2     100   97   3824   2     100   90   1941   4     100   59   586   7     100   59   596   2     100   100   4421   1     100   30   155   3     100   96   2851   6     100   78   1153   5     100   21   77   3     100   85   1567   3  |         |                            |                          |                               |   |
| 100   80   1377   6     100   100   4917   4     100   86   1208   4     100   72   816   5     100   65   670   4     100   88   2011   5     100   30   141   4     100   99   3644   2     100   83   1415   1     100   99   4723   8     100   97   3824   2     100   97   3824   2     100   90   1941   4     100   59   586   7     100   59   586   7     100   59   596   2     100   100   4421   1     100   30   155   3     100   78   1153   5     100   78   1153   5     100   77   3   1     100   78   1155   3 </td <td></td> <td></td> <td></td> <td></td> <td></td>   |         |                            |                          |                               |   |
| 100   100   4917   4     100   86   1208   4     100   72   816   5     100   65   670   4     100   88   2011   5     100   30   141   4     100   99   3644   2     100   83   1415   1     100   99   4723   8     100   99   4723   8     100   97   3824   2     100   97   3824   2     100   90   1941   4     100   59   586   7     100   59   596   2     100   100   4421   1     100   30   155   3     100   96   2851   6     100   78   1153   5     100   78   1153   5     100   77   3   3     100   85   1567   3 <   |         |                            |                          |                               |   |
| 100   86   1208   4     100   72   816   5     100   65   670   4     100   88   2011   5     100   30   141   4     100   99   3644   2     100   83   1415   1     100   99   4723   8     100   60   669   4     100   97   3824   2     100   90   1941   4     100   59   586   7     100   59   596   2     100   100   4421   1     100   30   155   3     100   96   2851   6     100   78   1153   5     100   21   77   3     100   85   1567   3  |         |                            |                          |                               |   |
| 100   72   816   5     100   65   670   4     100   88   2011   5     100   30   141   4     100   99   3644   2     100   83   1415   1     100   99   4723   8     100   60   669   4     100   97   3824   2     100   90   1941   4     100   59   586   7     100   59   596   2     100   100   4421   1     100   30   155   3     100   96   2851   6     100   78   1153   5     100   21   77   3     100   85   1567   3  |         |                            |                          |                               |   |
| 100   65   670   4     100   88   2011   5     100   30   141   4     100   99   3644   2     100   83   1415   1     100   99   4723   8     100   60   669   4     100   97   3824   2     100   90   1941   4     100   59   586   7     100   59   596   2     100   30   155   3     100   30   155   3     100   96   2851   6     100   78   1153   5     100   21   77   3     100   85   1567   3   | 100     | 72                         | 816                      |                               | 5 |
| 100   30   141   4     100   99   3644   2     100   83   1415   1     100   99   4723   8     100   60   669   4     100   97   3824   2     100   90   1941   4     100   59   586   7     100   59   596   2     100   100   4421   1     100   30   155   3     100   96   2851   6     100   78   1153   5     100   21   77   3     100   85   1567   3  | 100     | 65                         | 670                      |                               | 4 |
| 100   99   3644   2     100   83   1415   1     100   99   4723   8     100   60   669   4     100   97   3824   2     100   90   1941   4     100   59   586   7     100   59   596   2     100   100   4421   1     100   30   155   3     100   96   2851   6     100   78   1153   5     100   21   77   3     100   85   1567   3   | 100     | 88                         | 2011                     |                               | 5 |
| 100   83   1415   1     100   99   4723   8     100   60   669   4     100   97   3824   2     100   90   1941   4     100   59   586   7     100   59   596   2     100   100   4421   1     100   30   155   3     100   96   2851   6     100   78   1153   5     100   21   77   3     100   85   1567   3   |         |                            |                          |                               |   |
| 100   99   4723   8     100   60   669   4     100   97   3824   2     100   90   1941   4     100   59   586   7     100   59   596   2     100   100   4421   1     100   30   155   3     100   96   2851   6     100   78   1153   5     100   21   77   3     100   85   1567   3   |         |                            |                          |                               |   |
| 100   60   669   4     100   97   3824   2     100   90   1941   4     100   59   586   7     100   59   596   2     100   100   4421   1     100   30   155   3     100   96   2851   6     100   78   1153   5     100   21   77   3     100   85   1567   3   |         |                            |                          |                               |   |
| 100   97   3824   2     100   90   1941   4     100   59   586   7     100   59   596   2     100   100   4421   1     100   30   155   3     100   96   2851   6     100   78   1153   5     100   21   77   3     100   85   1567   3  |         |                            |                          |                               |   |
| 100   90   1941   4     100   59   586   7     100   59   596   2     100   100   4421   1     100   30   155   3     100   96   2851   6     100   78   1153   5     100   21   77   3     100   85   1567   3  |         |                            |                          |                               |   |
| 100   59   586   7     100   59   596   2     100   100   4421   1     100   30   155   3     100   96   2851   6     100   78   1153   5     100   21   77   3     100   85   1567   3  |         |                            |                          |                               |   |
| 100   59   596   2     100   100   4421   1     100   30   155   3     100   96   2851   6     100   78   1153   5     100   21   77   3     100   85   1567   3   |         |                            |                          |                               |   |
| 100   100   4421   1     100   30   155   3     100   96   2851   6     100   78   1153   5     100   21   77   3     100   85   1567   3  |         |                            |                          |                               |   |
| 100   30   155   3     100   96   2851   6     100   78   1153   5     100   21   77   3     100   85   1567   3   |         |                            |                          |                               |   |
| 10096285161007811535100217731008515673   |         |                            |                          |                               |   |
| 1007811535100217731008515673   |         |                            |                          |                               |   |
| 100 21 77 3   100 85 1567 3  |         |                            |                          |                               |   |
| 100 85 1567 3  |         |                            |                          |                               |   |
|  | 100     | 85                         | 1567                     |                               |   |
|  | 100     | 97                         | 2923                     |                               | 3 |

| 100 | 100 | 3808 | 6 |
|-----|-----|------|---|
| 100 | 49  | 301  | 6 |
| 100 | 99  | 4345 | 2 |
| 100 | 83  | 1151 | 5 |
| 100 | 97  | 2614 | 4 |
| 100 | 84  | 1122 | 5 |
| 100 | 64  | 646  | 3 |
| 100 | 100 | 3500 | 6 |
| 100 | 80  | 1092 | 5 |
| 100 | 100 | 4137 | 6 |
| 100 | 90  | 2234 | 5 |
| 100 | 99  | 4122 | 6 |
| 100 | 99  | 3268 | 3 |
| 100 | 86  | 1619 | 2 |
| 100 | 100 | 4277 | 6 |
| 100 | 99  | 4646 | 4 |
| 100 | 99  | 4224 | 5 |
| 100 | 84  | 1424 | 7 |
| 100 | 90  | 1877 | 6 |
| 100 | 88  | 1820 | 7 |
| 100 | 82  | 1128 | 4 |
| 100 | 42  | 323  | 2 |
| 100 | 95  | 2617 | 2 |
| 100 | 81  | 1041 | 4 |
| 100 | 100 | 4406 | 2 |
| 100 | 97  | 3593 | 3 |
| 100 | 96  | 3279 | 1 |
| 100 | 86  | 2073 | 6 |
| 100 | 86  | 2108 | 5 |
| 100 | 97  | 3192 | 5 |
| 100 | 100 | 3760 | 5 |
| 100 | 93  | 3291 | 7 |
| 100 | 100 | 4034 | 5 |
| 100 | 91  | 2158 | 4 |
| 100 | 99  | 3004 | 5 |
| 100 | 94  | 2978 | 6 |
| 100 | 21  | 74   | 7 |
| 100 | 99  | 4266 | 7 |
| 100 | 77  | 1162 | 3 |
| 100 | 83  | 1584 | 4 |
| 100 | 77  | 1280 | 5 |
| 100 | 57  | 525  | 6 |
| 100 | 79  | 1274 | 7 |
| 100 | 98  | 3393 | 6 |
| 100 | 100 | 4881 | 6 |
| 100 | 99  | 2799 | 5 |
| 100 | 67  | 658  | 5 |
|     |     |      |   |

| 100        | 29               | 135          | 5      |
|------------|------------------|--------------|--------|
| 100        | 99               | 4435         | 5      |
| 100        | 63               | 776          | 3      |
| 100        | 65               | 847          | 4      |
| 100        | 98               | 4588         | 4      |
| 100        | 96               | 2960         | 5      |
| 100        | 76               | 1112         | 6      |
| 100        | 98               | 4327         | 4      |
| 100        | 94               | 2310         | 4      |
| 100        | 25               | 106          | 5      |
| 100        | 97               | 3411         | 6      |
| 100        | 100              | 4475         | 3      |
| 100        | 89               | 2077         | 4      |
| 100        | 67               | 826          | 7      |
| 100        | 93               | 2100         | 4      |
| 100        | 79               | 1223         | 5      |
| 100        | 99               | 4239         | 4      |
| 100        | 100              | 4815         | 3      |
| 100        | 100              | 3747         | 2      |
| 100        | 63               | 601          | 4      |
| 100        | 83               | 1548         | 5      |
| 100        | 99<br><b>-</b> 2 | 3802         | 5      |
| 100        | 78               | 1105         | 7      |
| 100        | 69               | 915          | 5      |
| 100        | 90               | 2202         | 6      |
| 100        | 78               | 1148         | 6      |
| 100        | 97               | 3518         | 5      |
| 100        | 98               | 4479         | 4      |
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| 100        | 98               | 3494         | 3      |
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| 55 | 15 | 83   | 5   |
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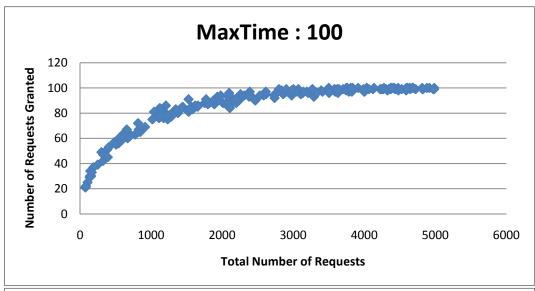
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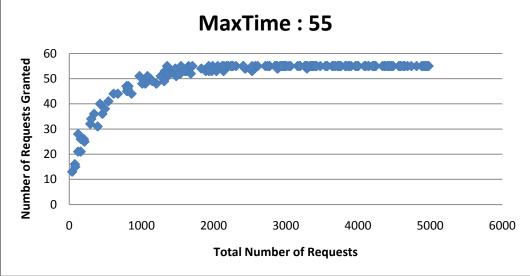
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| 10 | 10 | 907  | 7 |
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| 10 | 10 | 4914 | 5 |
| 10 | 10 | 4549 | 6 |
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| 10 | 10 | 4590 | 4 |
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| 10 | 10 | 3061 | 6 |
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| 10 | 10 | 2872 | 5 |
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| 10 | 9  | 196  | 4 |
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| 10 | 10 | 2644 | 5 |
| 10 | 10 | 3385 | 7 |
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| 10 | 10 | 3106 | 5 |
| 10 | 10 | 3211 | 5 |
| 10 | 7  | 83   | 3 |
| 10 | 10 | 2548 | 6 |
| 10 | 10 | 3385 | 6 |
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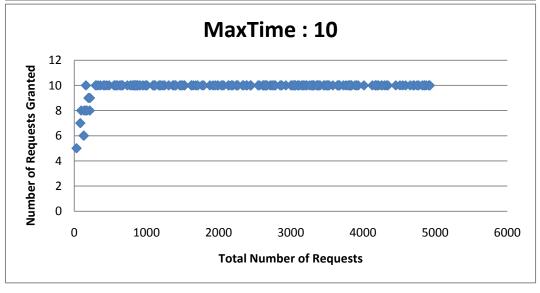
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| 10       | 10       | 2852 | 5      |
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| 10       | 10       | 2447 | 4      |
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| 10       | 10       |      | 4      |
| 10       | 10       |      | 6      |
| 10       | 10       |      | 2      |
| 10       | 10       |      | 3      |
| 10       | 10       |      | 2      |
| 10       | 10       |      | 2      |
| 10       | 10       | 1525 | 3      |
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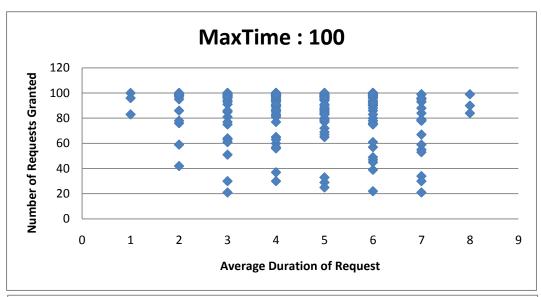
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| 10 | 10 | 3472 | 6 |
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| 10 | 10 | 3669 | 4 |
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| 10 | 10 | 2784 | 2 |
| 10 | 10 | 1463 | 7 |
| 10 | 10 | 2262 | 7 |
| 10 | 8  | 137  | 5 |
| 10 | 10 | 1621 | 3 |
| 10 | 10 | 2624 | 7 |
| 10 | 10 | 1104 | 2 |
| 10 | 10 | 3286 | 5 |
| 10 | 10 | 595  | 3 |
| 10 | 10 | 3933 | 6 |
| 10 | 10 | 4849 | 5 |
| 10 | 10 | 296  | 3 |
| 10 | 10 | 4453 | 5 |
| 10 | 10 | 3729 | 7 |
| 10 | 10 | 2652 | 3 |
| 10 | 10 | 3663 | 4 |
| 10 | 10 | 2930 | 3 |
| 10 | 10 | 3062 | 7 |
| 10 | 10 | 3890 | 7 |
| 10 | 10 | 4848 | 5 |
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| 10 | 10 | 3369 | 7 |
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| 10 | 10 | 2387 | 5 |
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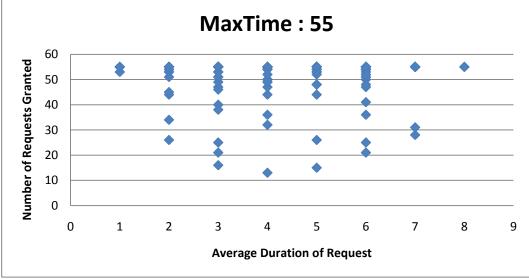
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| 10 | 10 | 4194 | 4 |
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| 10 | 10 | 3095 | 3 |
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| 10 | 10 | 851  | 6 |
| 10 | 10 | 4511 | 4 |
| 10 | 10 | 855  | 4 |
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| 10 | 10 | 1710 | 4 |
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| 10 | 10 | 4924 | 4 |
| 10 | 10 | 1400 | 3 |
| 10 | 10 | 1405 | 4 |
| 10 | 10 | 2331 | 5 |
| 10 | 10 | 1480 | 7 |
| 10 | 10 | 3008 | 3 |
| 10 | 10 | 2182 | 3 |
| 10 | 10 | 2265 | 3 |
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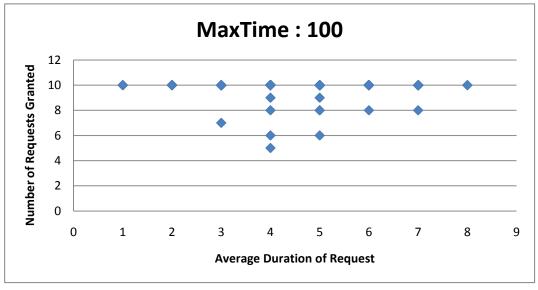












## **Observations:**

The number of requests granted vs. total number of requests has a log - based curve. The more total requests, the more number of requests will be granted, in a decreasing amount. Also, the larger the MaxTime, the more smooth the curve is. It appers that at 40x the MaxTime, the curve levels off.

For the number of requests granted vs. average duration of a request, it appears that when the request duration is either very short or very long, not many requests are granted. The granting of requests also slows down in the middle, so the best duration to have the requests is either between the shortest time and the middle time, or between the longest time and the middle time.