Problem 4) Complete the table, given the Order, Scale accordingly.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Big O() | Second | Minute | Hour | Day | Month | Year | Decade | Century |
| N^(1/3) | 10^9 | 2.16e+14 | 4.6656e+19 | 6.4497e+23 | 1.74143e+28 | 3.13632e+31 | 3.13632e+34 | 3.13632e+37 |
| N^(1/2) | 10^6 | 3.6e+9 | 1.296e+13 | 7.46e+15 | 6.717e+18 | 9.94519e+20 | 9.94519e+22 | 9.94519e+24 |
| N | 100 | 60000 | 3.6e+6 | 8.64e+7 | 2.592e+9 | 3.1536e+10 | 3.1536e+11 | 3.1536e+12 |
| N ln N | 190 | 6799 | 286498 | 5562845 | 138278494 | 1492900033 | 13518892874 | 123480063109 |
| N^2 | 31.62 | 244.95 | 1897.37 | 9295.16 | 50911.69 | 177583.78 | 5611569 | 1775838 |
| N^2 ln N | 19 | 113 | 739 | 3268 | 16346 | 53806 | 162137 | 490583 |
| 2^N | 10 | 16 | 22 | 27 | 32 | 35 | 39 | 42 |
| N! | 6 | 8 | 9 | 11 | 12 | 13 | 14 | 15 |