Table 1. Forecast analysis using the proposed methodology with a different number of segments.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Neurons in the Hidden Layers** | **MSE** | | | **MAPE%** | | | **MAE** | | | **Training Speed**  **Min** | **Learn**  **Count**  **Segment** | **Epoch Count** | **Batch Size** |
| **TW1** | **TW2** | **stat** | **TW1** | **TW2** | **stat** | **TW1** | **TW2** | **Stat** |
| B -> A Path through the nine segments: 056 020 048 052 016 044 012 036 004 | | | | | | | | | | | | | |
| 2.0 | 2614.41 | 266.58 | 245.99 | 0.06 | 0.03 | 0.04 | 25.54 | 14.27 | 14.69 | 1.39 | 300.0 | 100.0 | 2.0 |
| 3.0 | 49.38 | 159.66 | 245.99 | 0.01 | 0.03 | 0.04 | 5.76 | 11.37 | 14.69 | 1.27 | 300.0 | 100.0 | 2.0 |
| 4.0 | 363.24 | 310.57 | 245.99 | 0.04 | 0.04 | 0.04 | 15.03 | 15.62 | 14.69 | 1.06 | 300.0 | 100.0 | 2.0 |
| 5.0 | 768.61 | 427.56 | 245.99 | 0.05 | 0.04 | 0.04 | 21.43 | 16.94 | 14.69 | 0.91 | 300.0 | 100.0 | 2.0 |
| 6.0 | 12.96 | 60.37 | 245.99 | 0.01 | 0.02 | 0.04 | 3.07 | 6.32 | 14.69 | 1.06 | 300.0 | 100.0 | 2.0 |
| 7.0 | 238.46 | 1067.95 | 245.99 | 0.03 | 0.06 | 0.04 | 12.55 | 25.85 | 14.69 | 1.38 | 300.0 | 100.0 | 2.0 |
| 8.0 | 787.75 | 190.53 | 245.99 | 0.05 | 0.03 | 0.04 | 19.56 | 11.89 | 14.69 | 0.89 | 300.0 | 100.0 | 2.0 |
| 9.0 | 97.71 | 165.73 | 245.99 | 0.02 | 0.03 | 0.04 | 7.84 | 10.98 | 14.69 | 0.91 | 300.0 | 100.0 | 2.0 |
| 10.0 | 108.95 | 258.94 | 245.99 | 0.02 | 0.04 | 0.04 | 9.25 | 14.84 | 14.69 | 0.89 | 300.0 | 100.0 | 2.0 |
| 11.0 | 155.58 | 86.65 | 245.99 | 0.02 | 0.02 | 0.04 | 9.64 | 7.04 | 14.69 | 0.94 | 300.0 | 100.0 | 2.0 |
| 2.0 | 617.56 | 633.53 | 245.99 | 0.06 | 0.06 | 0.04 | 23.32 | 23.55 | 14.69 | 0.65 | 300.0 | 100.0 | 3. |
| 3.0 | 700.39 | 747.8 | 245.99 | 0.06 | 0.06 | 0.04 | 25.07 | 25.87 | 14.69 | 0.69 | 300.0 | 100.0 | 3.0 |
| 4.0 | 32.18 | 144.7 | 245.99 | 0.01 | 0.03 | 0.04 | 4.55 | 10.56 | 14.69 | 0.8 | 300.0 | 100.0 | 3. |
| 5.0 | 1403.14 | 1463.64 | 245.99 | 0.09 | 0.09 | 0.04 | 36.58 | 35.99 | 14.69 | 0.69 | 300.0 | 100.0 | 3.0 |
| 6.0 | 665.27 | 844.29 | 245.99 | 0.04 | 0.05 | 0.04 | 17.1 | 22.75 | 14.69 | 0.96 | 300.0 | 100.0 | 3.0 |
| 7.0 | 1059.0 | 778.0 | 245.99 | 0.06 | 0.06 | 0.04 | 24.33 | 23.48 | 14.69 | 0.83 | 300.0 | 100.0 | 3.0 |
| 8.0 | 296.36 | 209.15 | 245.99 | 0.03 | 0.03 | 0.04 | 10.58 | 10.96 | 14.69 | 0.71 | 300.0 | 100.0 | 3.0 |
| 9.0 | 1586.48 | 832.53 | 245.99 | 0.07 | 0.06 | 0.04 | 30.86 | 23.55 | 14.69 | 0.73 | 300.0 | 100.0 | 3.0 |
| 10.0 | 1556.02 | 1008.44 | 245.99 | 0.06 | 0.06 | 0.04 | 25.23 | 23.97 | 14.69 | 0.74 | 300.0 | 100.0 | 3.0 |
| 11.0 | 1401.98 | 849.24 | 245.99 | 0.08 | 0.05 | 0.04 | 32.0 | 19.2 | 14.69 | 0.71 | 300.0 | 100.0 | 3.0 |
| 2.0 | 21.29 | 57.81 | 245.99 | 0.01 | 0.01 | 0.04 | 3.49 | 5.94 | 14.69 | 0.5 | 300.0 | 100.0 | 4.0 |
| 3.0 | 1917.95 | 1345.89 | 245.99 | 0.09 | 0.07 | 0.04 | 37.33 | 28.07 | 14.69 | 0.66 | 300.0 | 100.0 | 4.0 |
| 4.0 | 178.6 | 122.42 | 245.99 | 0.02 | 0.02 | 0.04 | 9.46 | 9.85 | 14.69 | 0.59 | 300.0 | 100.0 | 4.0 |
| 5.0 | 1810.52 | 881.79 | 245.99 | 0.05 | 0.05 | 0.04 | 21.98 | 21.92 | 14.69 | 0.57 | 300.0 | 100.0 | 4.0 |
| 6.0 | 1925.58 | 2263.18 | 245.99 | 0.1 | 0.11 | 0.04 | 43.2 | 44.23 | 14.69 | 0.54 | 300.0 | 100.0 | 4.0 |
| 7.0 | 120.76 | 242.15 | 245.99 | 0.02 | 0.03 | 0.04 | 9.27 | 13.39 | 14.69 | 0.71 | 300.0 | 100.0 | 4.0 |
| 8.0 | 69.1 | 184.58 | 245.99 | 0.01 | 0.03 | 0.04 | 6.16 | 10.47 | 14.69 | 0.46 | 300.0 | 100.0 | 4.0 |
| 9.0 | 1415.14 | 1213.32 | 245.99 | 0.07 | 0.07 | 0.04 | 28.36 | 28.3 | 14.69 | 0.79 | 300.0 | 100.0 | 4.0 |
| 10.0 | 555.0 | 1154.4 | 245.99 | 0.05 | 0.06 | 0.04 | 18.94 | 26.63 | 14.69 | 0.96 | 300.0 | 100.0 | 4.0 |
| 11.0 | 140.44 | 160.6 | 245.99 | 0.03 | 0.02 | 0.04 | 10.59 | 8.08 | 14.69 | 0.45 | 300.0 | 100.0 | 4.0 |
| 2.0 | 42.83 | 114.85 | 245.99 | 0.01 | 0.02 | 0.04 | 5.1 | 8.55 | 14.69 | 0.39 | 300.0 | 100.0 | 5.0 |
| 3.0 | 43.97 | 120.82 | 245.99 | 0.01 | 0.02 | 0.04 | 5.4 | 8.1 | 14.69 | 0.55 | 300.0 | 100.0 | 5.0 |
| 4.0 | 37.5 | 91.38 | 245.99 | 0.01 | 0.02 | 0.04 | 5.42 | 6.37 | 14.69 | 0.44 | 300.0 | 100.0 | 5.0 |
| 5.0 | 1174.05 | 860.59 | 245.99 | 0.06 | 0.07 | 0.04 | 26.68 | 27.32 | 14.69 | 0.71 | 300.0 | 100.0 | 5.0 |
| 6.0 | 104.67 | 241.98 | 245.99 | 0.02 | 0.03 | 0.04 | 8.42 | 13.63 | 14.69 | 0.46 | 300.0 | 100.0 | 5.0 |
| 7.0 | 635.35 | 1117.42 | 245.99 | 0.04 | 0.07 | 0.04 | 18.13 | 28.63 | 14.69 | 0.41 | 300.0 | 100.0 | 5.0 |
| 8.0 | 1657.43 | 1377.55 | 245.99 | 0.05 | 0.06 | 0.04 | 20.09 | 24.26 | 14.69 | 0.54 | 300.0 | 100.0 | 5.0 |
| 9.0 | 1016.13 | 898.24 | 245.99 | 0.07 | 0.07 | 0.04 | 28.54 | 27.39 | 14.69 | 0.4 | 300.0 | 100.0 | 5.0 |
| 10.0 | 3091.74 | 3533.54 | 245.99 | 0.08 | 0.11 | 0.04 | 35.32 | 45.16 | 14.69 | 0.56 | 300.0 | 100.0 | 5.0 |
| 11.0 | 968.7 | 2353.06 | 245.99 | 0.05 | 0.09 | 0.04 | 22.55 | 38.35 | 14.69 | 0.47 | 300.0 | 100.0 | 5.0 |
| 2.0 | 91.52 | 256.85 | 245.99 | 0.02 | 0.03 | 0.04 | 7.96 | 14.14 | 14.69 | 0.39 | 300.0 | 100.0 | 6.0 |
| 3.0 | 113.34 | 602.76 | 245.99 | 0.02 | 0.04 | 0.04 | 8.53 | 16.69 | 14.69 | 0.39 | 300.0 | 100.0 | 6.0 |
| 4.0 | 792.7 | 1160.1 | 245.99 | 0.05 | 0.08 | 0.04 | 22.68 | 31.39 | 14.69 | 0.53 | 300.0 | 100.0 | 6. |
| 5.0 | 311.49 | 1036.91 | 245.99 | 0.04 | 0.06 | 0.04 | 16.63 | 24.32 | 14.69 | 0.44 | 300.0 | 100.0 | 6.0 |
| 6.0 | 1448.93 | 631.0 | 245.99 | 0.08 | 0.06 | 0.04 | 34.27 | 23.0 | 14.69 | 0.45 | 300.0 | 100.0 | 6.0 |
| 7.0 | 2067.42 | 2726.67 | 245.99 | 0.1 | 0.12 | 0.04 | 40.84 | 50.0 | 14.69 | 0.52 | 300.0 | 100.0 | 6.0 |
| 8.0 | 135.02 | 224.72 | 245.99 | 0.02 | 0.03 | 0.04 | 7.64 | 11.86 | 14.69 | 0.39 | 300.0 | 100.0 | 6.0 |
| 9.0 | 431.25 | 471.52 | 245.99 | 0.04 | 0.04 | 0.04 | 14.96 | 16.03 | 14.69 | 0.47 | 300.0 | 100.0 | 6.0 |
| 10.0 | 1729.53 | 951.96 | 245.99 | 0.08 | 0.06 | 0.04 | 31.43 | 26.97 | 14.69 | 0.47 | 300.0 | 100.0 | 6.0 |
| 11.0 | 199.01 | 379.71 | 245.99 | 0.03 | 0.04 | 0.04 | 11.16 | 15.88 | 14.69 | 0.44 | 300.0 | 100.0 | 6.0 |
| 2.0 | 1053.52 | 1830.94 | 245.99 | 0.07 | 0.09 | 0.04 | 28.41 | 38.14 | 14.69 | 0.39 | 300.0 | 100.0 | 7.0 |
| 3.0 | 810.4 | 760.82 | 245.99 | 0.05 | 0.05 | 0.04 | 20.66 | 20.48 | 14.69 | 0.38 | 300.0 | 100.0 | 7.0 |
| 4.0 | 2312.12 | 2413.16 | 245.99 | 0.11 | 0.11 | 0.04 | 46.18 | 47.54 | 14.69 | 0.37 | 300.0 | 100.0 | 7.0 |
| 5.0 | 1403.27 | 1659.74 | 245.99 | 0.08 | 0.09 | 0.04 | 33.02 | 36.86 | 14.69 | 0.35 | 300.0 | 100.0 | 7.0 |
| 6.0 | 2204.23 | 998.79 | 245.99 | 0.09 | 0.06 | 0.04 | 37.12 | 26.67 | 14.69 | 0.44 | 300.0 | 100.0 | 7.0 |
| 7.0 | 1157.11 | 973.55 | 245.99 | 0.07 | 0.07 | 0.04 | 29.61 | 29.43 | 14.69 | 0.45 | 300.0 | 100.0 | 7.0 |
| 8.0 | 110.39 | 1043.21 | 245.99 | 0.02 | 0.06 | 0.04 | 8.66 | 25.16 | 14.69 | 0.39 | 300.0 | 100.0 | 7.0 |
| 9.0 | 64.52 | 193.81 | 245.99 | 0.01 | 0.03 | 0.04 | 6.21 | 10.77 | 14.69 | 0.36 | 300.0 | 100.0 | 7.0 |
| 10.0 | 450.42 | 1959.15 | 245.99 | 0.04 | 0.07 | 0.04 | 15.47 | 31.09 | 14.69 | 0.41 | 300.0 | 100.0 | 7.0 |
| 11.0 | 8780.56 | 2300.54 | 245.99 | 0.18 | 0.07 | 0.04 | 74.67 | 29.83 | 14.69 | 0.36 | 300.0 | 100.0 | 7.0 |
| 2.0 | 316.58 | 996.08 | 245.99 | 0.03 | 0.06 | 0.04 | 11.92 | 24.82 | 14.69 | 0.25 | 300.0 | 100.0 | 8.0 |
| 3.0 | 1340.61 | 1536.67 | 245.99 | 0.08 | 0.07 | 0.04 | 32.33 | 30.85 | 14.69 | 0.25 | 300.0 | 100.0 | 8.0 |
| 4.0 | 1183.36 | 1006.46 | 245.99 | 0.07 | 0.06 | 0.04 | 31.23 | 27.12 | 14.69 | 0.26 | 300.0 | 100.0 | 8.0 |
| 5.0 | 93.79 | 222.94 | 245.99 | 0.02 | 0.03 | 0.04 | 8.21 | 12.09 | 14.69 | 0.36 | 300.0 | 100.0 | 8.0 |
| 6.0 | 420.98 | 980.4 | 245.99 | 0.04 | 0.06 | 0.04 | 17.47 | 26.59 | 14.69 | 0.36 | 300.0 | 100.0 | 8.0 |
| 7.0 | 135.68 | 263.85 | 245.99 | 0.02 | 0.03 | 0.04 | 9.45 | 14.62 | 14.69 | 0.26 | 300.0 | 100.0 | 8.0 |
| 8.0 | 818.56 | 1718.34 | 245.99 | 0.06 | 0.08 | 0.04 | 25.76 | 33.25 | 14.69 | 0.26 | 300.0 | 100.0 | 8.0 |
| 9.0 | 94.33 | 769.7 | 245.99 | 0.02 | 0.06 | 0.04 | 6.69 | 23.52 | 14.69 | 0.27 | 300.0 | 100.0 | 8.0 |
| 10.0 | 662.0 | 314.84 | 245.99 | 0.04 | 0.04 | 0.04 | 17.87 | 15.84 | 14.69 | 0.36 | 300.0 | 100.0 | 8.0 |
| 11.0 | 742.79 | 307.04 | 245.99 | 0.05 | 0.04 | 0.04 | 20.8 | 15.81 | 14.69 | 0.27 | 300.0 | 100.0 | 8.0 |
| 2.0 | 825.95 | 1440.6 | 245.99 | 0.05 | 0.07 | 0.04 | 21.67 | 28.7 | 14.69 | 0.23 | 300.0 | 100.0 | 9.0 |
| 3.0 | 48.48 | 69.68 | 245.99 | 0.01 | 0.02 | 0.04 | 6.12 | 7.02 | 14.69 | 0.21 | 300.0 | 100.0 | 9.0 |
| 4.0 | 3302.63 | 2400.13 | 245.99 | 0.11 | 0.1 | 0.04 | 46.46 | 41.22 | 14.69 | 0.36 | 300.0 | 100.0 | 9.0 |
| 5.0 | 187.92 | 430.18 | 245.99 | 0.03 | 0.04 | 0.04 | 13.07 | 17.43 | 14.69 | 0.24 | 300.0 | 100.0 | 9.0 |
| 6.0 | 581.96 | 2558.95 | 245.99 | 0.05 | 0.11 | 0.04 | 22.18 | 44.65 | 14.69 | 0.27 | 300.0 | 100.0 | 9.0 |
| 7.0 | 45.64 | 280.77 | 245.99 | 0.01 | 0.03 | 0.04 | 5.6 | 13.28 | 14.69 | 0.25 | 300.0 | 100.0 | 9.0 |
| 8.0 | 1844.14 | 1306.57 | 245.99 | 0.09 | 0.07 | 0.04 | 36.14 | 30.85 | 14.69 | 0.24 | 300.0 | 100.0 | 9.0 |
| 9.0 | 519.89 | 416.71 | 245.99 | 0.04 | 0.04 | 0.04 | 17.61 | 17.71 | 14.69 | 0.35 | 300.0 | 100.0 | 9.0 |
| 10.0 | 25.64 | 165.3 | 245.99 | 0.01 | 0.03 | 0.04 | 4.13 | 10.83 | 14.69 | 0.19 | 300.0 | 100.0 | 9.0 |
| 11.0 | 781.17 | 502.24 | 245.99 | 0.04 | 0.05 | 0.04 | 18.6 | 19.31 | 14.69 | 0.27 | 300.0 | 100.0 | 9.0 |
| 2.0 | 783.61 | 1054.46 | 245.99 | 0.06 | 0.07 | 0.04 | 25.45 | 30.66 | 14.69 | 0.18 | 300.0 | 100.0 | 10.0 |
| 3.0 | 2310.75 | 3464.63 | 245.99 | 0.1 | 0.12 | 0.04 | 42.84 | 49.07 | 14.69 | 0.23 | 300.0 | 100.0 | 10.0 |
| 4.0 | 4186.7 | 2536.53 | 245.99 | 0.13 | 0.1 | 0.04 | 52.27 | 43.47 | 14.69 | 0.24 | 300.0 | 100.0 | 10.0 |
| 5.0 | 271.87 | 950.11 | 245.99 | 0.03 | 0.06 | 0.04 | 12.32 | 24.33 | 14.69 | 0.23 | 300.0 | 100.0 | 10.0 |
| 6.0 | 949.33 | 2538.05 | 245.99 | 0.06 | 0.09 | 0.04 | 25.17 | 37.7 | 14.69 | 0.21 | 300.0 | 100.0 | 10.0 |
| 7.0 | 514.17 | 329.61 | 245.99 | 0.04 | 0.04 | 0.04 | 16.91 | 16.3 | 14.69 | 0.29 | 300.0 | 100.0 | 10.0 |
| 8.0 | 571.32 | 1411.69 | 245.99 | 0.04 | 0.07 | 0.04 | 15.55 | 30.21 | 14.69 | 0.23 | 300.0 | 100.0 | 10.0 |
| 9.0 | 1087.82 | 1120.72 | 245.99 | 0.07 | 0.07 | 0.04 | 28.18 | 27.5 | 14.69 | 0.22 | 300.0 | 100.0 | 10.0 |
| 10.0 | 225.42 | 1315.91 | 245.99 | 0.03 | 0.07 | 0.04 | 10.8 | 28.42 | 14.69 | 0.36 | 300.0 | 100.0 | 10.0 |
| 11.0 | 2130.58 | 1057.31 | 245.99 | 0.1 | 0.06 | 0.04 | 42.91 | 23.19 | 14.69 | 0.22 | 300.0 | 100.0 | 10.0 |
| 2.0 | 742.55 | 3332.57 | 245.99 | 0.05 | 0.12 | 0.04 | 22.59 | 48.45 | 14.69 | 0.36 | 300.0 | 100.0 | 11.0 |
| 3.0 | 3587.94 | 3133.55 | 245.99 | 0.12 | 0.11 | 0.04 | 49.95 | 47.48 | 14.69 | 0.19 | 300.0 | 100.0 | 11.0 |
| 4.0 | 1055.46 | 1217.52 | 245.99 | 0.06 | 0.07 | 0.04 | 25.36 | 29.72 | 14.69 | 0.16 | 300.0 | 100.0 | 11.0 |
| 5.0 | 5525.17 | 5024.16 | 245.99 | 0.11 | 0.1 | 0.04 | 45.42 | 39.73 | 14.69 | 0.4 | 300.0 | 100.0 | 11.0 |
| 6.0 | 370.84 | 751.9 | 245.99 | 0.04 | 0.06 | 0.04 | 17.14 | 24.48 | 14.69 | 0.36 | 300.0 | 100.0 | 11.0 |
| 7.0 | 691.71 | 1847.75 | 245.99 | 0.06 | 0.09 | 0.04 | 23.38 | 35.73 | 14.69 | 0.24 | 300.0 | 100.0 | 11.0 |
| 8.0 | 4165.01 | 2609.9 | 245.99 | 0.13 | 0.11 | 0.04 | 52.25 | 44.01 | 14.69 | 0.22 | 300.0 | 100.0 | 11.0 |
| 9.0 | 992.96 | 657.46 | 245.99 | 0.06 | 0.05 | 0.04 | 24.46 | 19.34 | 14.69 | 0.21 | 300.0 | 100.0 | 11.0 |
| 10.0 | 60.34 | 235.89 | 245.99 | 0.01 | 0.03 | 0.04 | 5.97 | 13.93 | 14.69 | 0.22 | 300.0 | 100.0 | 11.0 |
| 11.0 | 557.2 | 424.99 | 245.99 | 0.05 | 0.04 | 0.04 | 21.07 | 18.0 | 14.69 | 0.72 | 300.0 | 100.0 | 11.0 |
| C -> B Path through the seven segments 041 009 019 056 051 023 059 | | | | | | | | | | | | | |
| 2.0 | 11.39 | 27.14 | 65.6 | 0.01 | 0.01 | 0.02 | 2.76 | 3.83 | 6.33 | 0.89 | 300.0 | 100.0 | 2.0 |
| 3.0 | 442.03 | 484.68 | 65.6 | 0.05 | 0.05 | 0.02 | 19.47 | 20.45 | 6.33 | 1.0 | 300.0 | 100.0 | 2.0 |
| 4.0 | 53.57 | 71.42 | 65.6 | 0.02 | 0.02 | 0.02 | 7.16 | 7.72 | 6.33 | 0.92 | 300.0 | 100.0 | 2.0 |
| 5.0 | 3.26 | 15.37 | 65.6 | 0.0 | 0.01 | 0.02 | 1.67 | 2.9 | 6.33 | 0.9 | 300.0 | 100.0 | 2.0 |
| 6.0 | 78.24 | 140.22 | 65.6 | 0.01 | 0.02 | 0.02 | 5.88 | 7.82 | 6.33 | 1.38 | 300.0 | 100.0 | 2.0 |
| 7.0 | 4.51 | 4.35 | 65.6 | 0.0 | 0.0 | 0.02 | 1.7 | 1.78 | 6.33 | 0.89 | 300.0 | 100.0 | 2.0 |
| 8.0 | 19.59 | 37.35 | 65.6 | 0.01 | 0.01 | 0.02 | 3.71 | 5.34 | 6.33 | 0.84 | 300.0 | 100.0 | 2.0 |
| 9.0 | 26.27 | 30.46 | 65.6 | 0.01 | 0.01 | 0.02 | 4.48 | 4.83 | 6.33 | 1.03 | 300.0 | 100.0 | 2.0 |
| 10.0 | 55.31 | 74.86 | 65.6 | 0.02 | 0.02 | 0.02 | 6.75 | 7.35 | 6.33 | 0.92 | 300.0 | 100.0 | 2.0 |
| 11.0 | 6.97 | 17.73 | 65.6 | 0.01 | 0.01 | 0.02 | 2.21 | 3.43 | 6.33 | 0.99 | 300.0 | 100.0 | 2.0 |
| 2.0 | 33.36 | 15.57 | 65.6 | 0.01 | 0.01 | 0.02 | 5.01 | 3.51 | 6.33 | 0.63 | 300.0 | 100.0 | 3.0 |
| 3.0 | 30.76 | 48.53 | 65.6 | 0.01 | 0.01 | 0.02 | 5.02 | 5.66 | 6.33 | 0.55 | 300.0 | 100.0 | 3.0 |
| 4.0 | 30.59 | 46.12 | 65.6 | 0.01 | 0.01 | 0.02 | 5.31 | 5.73 | 6.33 | 0.73 | 300.0 | 100.0 | 3.0 |
| 5.0 | 24.41 | 19.27 | 65.6 | 0.01 | 0.01 | 0.02 | 3.5 | 3.33 | 6.33 | 0.83 | 300.0 | 100.0 | 3.0 |
| 6.0 | 226.55 | 240.95 | 65.6 | 0.03 | 0.03 | 0.02 | 14.29 | 14.47 | 6.33 | 0.82 | 300.0 | 100.0 | 3.0 |
| 7.0 | 16.93 | 29.14 | 65.6 | 0.01 | 0.01 | 0.02 | 2.85 | 4.52 | 6.33 | 1.39 | 300.0 | 100.0 | 3.0 |
| 8.0 | 39.59 | 51.47 | 65.6 | 0.01 | 0.01 | 0.02 | 5.29 | 6.05 | 6.33 | 0.7 | 300.0 | 100.0 | 3.0 |
| 9.0 | 42.67 | 68.51 | 65.6 | 0.01 | 0.02 | 0.02 | 5.84 | 6.62 | 6.33 | 0.76 | 300.0 | 100.0 | 3.0 |
| 10.0 | 249.51 | 265.19 | 65.6 | 0.03 | 0.03 | 0.02 | 14.32 | 14.42 | 6.33 | 0.67 | 300.0 | 100.0 | 3.0 |
| 11.0 | 20.0 | 93.96 | 65.6 | 0.01 | 0.02 | 0.02 | 4.12 | 7.3 | 6.33 | 0.67 | 300.0 | 100.0 | 3.0 |
| 2.0 | 31.44 | 39.8 | 65.6 | 0.01 | 0.01 | 0.02 | 4.46 | 5.28 | 6.33 | 0.7 | 300.0 | 100.0 | 4.0 |
| 3.0 | 6.43 | 18.95 | 65.6 | 0.0 | 0.01 | 0.02 | 1.97 | 3.17 | 6.33 | 0.49 | 300.0 | 100.0 | 4.0 |
| 4.0 | 120.55 | 142.21 | 65.6 | 0.02 | 0.02 | 0.02 | 7.97 | 9.13 | 6.33 | 0.57 | 300.0 | 100.0 | 4.0 |
| 5.0 | 163.02 | 132.17 | 65.6 | 0.02 | 0.02 | 0.02 | 9.83 | 9.81 | 6.33 | 1.02 | 300.0 | 100.0 | 4.0 |
| 6.0 | 17.9 | 26.37 | 65.6 | 0.01 | 0.01 | 0.02 | 3.87 | 4.4 | 6.33 | 0.42 | 300.0 | 100.0 | 4.0 |
| 7.0 | 237.69 | 226.6 | 65.6 | 0.04 | 0.03 | 0.02 | 15.22 | 14.56 | 6.33 | 0.5 | 300.0 | 100.0 | 4.0 |
| 8.0 | 1126.4 | 985.48 | 65.6 | 0.06 | 0.05 | 0.02 | 23.32 | 20.89 | 6.33 | 0.56 | 300.0 | 100.0 | 4.0 |
| 9.0 | 241.93 | 349.14 | 65.6 | 0.03 | 0.03 | 0.02 | 12.01 | 13.12 | 6.33 | 0.52 | 300.0 | 100.0 | 4.0 |
| 10.0 | 5.15 | 8.5 | 65.6 | 0.0 | 0.01 | 0.02 | 2.05 | 2.52 | 6.33 | 0.56 | 300.0 | 100.0 | 4.0 |
| 11.0 | 145.7 | 180.36 | 65.6 | 0.03 | 0.03 | 0.02 | 11.32 | 11.9 | 6.33 | 0.54 | 300.0 | 100.0 | 4.0 |
| 2.0 | 12.86 | 22.55 | 65.6 | 0.01 | 0.01 | 0.02 | 2.97 | 4.11 | 6.33 | 0.42 | 300.0 | 100.0 | 5.0 |
| 3.0 | 366.83 | 363.22 | 65.6 | 0.04 | 0.04 | 0.02 | 18.59 | 18.6 | 6.33 | 0.43 | 300.0 | 100.0 | 5.0 |
| 4.0 | 74.61 | 91.36 | 65.6 | 0.02 | 0.02 | 0.02 | 6.93 | 7.52 | 6.33 | 0.52 | 300.0 | 100.0 | 5.0 |
| 5.0 | 27.71 | 32.75 | 65.6 | 0.01 | 0.01 | 0.02 | 4.66 | 4.81 | 6.33 | 0.56 | 300.0 | 100.0 | 5.0 |
| 6.0 | 90.66 | 153.54 | 65.6 | 0.02 | 0.03 | 0.02 | 8.84 | 11.67 | 6.33 | 0.54 | 300.0 | 100.0 | 5.0 |
| 7.0 | 24.32 | 46.04 | 65.6 | 0.01 | 0.01 | 0.02 | 3.9 | 4.98 | 6.33 | 0.65 | 300.0 | 100.0 | 5.0 |
| 8.0 | 178.14 | 161.21 | 65.6 | 0.02 | 0.02 | 0.02 | 7.92 | 7.6 | 6.33 | 0.47 | 300.0 | 100.0 | 5.0 |
| 9.0 | 53.82 | 45.77 | 65.6 | 0.01 | 0.01 | 0.02 | 6.24 | 5.97 | 6.33 | 0.55 | 300.0 | 100.0 | 5.0 |
| 10.0 | 24.83 | 33.74 | 65.6 | 0.01 | 0.01 | 0.02 | 4.53 | 5.28 | 6.33 | 0.34 | 300.0 | 100.0 | 5.0 |
| 11.0 | 118.69 | 158.51 | 65.6 | 0.02 | 0.03 | 0.02 | 8.51 | 10.93 | 6.33 | 0.41 | 300.0 | 100.0 | 5.0 |
| 2.0 | 44.81 | 59.0 | 65.6 | 0.01 | 0.02 | 0.02 | 5.59 | 6.71 | 6.33 | 0.54 | 300.0 | 100.0 | 6.0 |
| 3.0 | 63.55 | 67.58 | 65.6 | 0.02 | 0.02 | 0.02 | 6.32 | 7.55 | 6.33 | 0.7 | 300.0 | 100.0 | 6.0 |
| 4.0 | 73.95 | 79.6 | 65.6 | 0.02 | 0.02 | 0.02 | 7.35 | 6.65 | 6.33 | 0.37 | 300.0 | 100.0 | 6.0 |
| 5.0 | 97.85 | 174.68 | 65.6 | 0.02 | 0.03 | 0.02 | 9.56 | 12.59 | 6.33 | 0.36 | 300.0 | 100.0 | 6.0 |
| 6.0 | 85.48 | 60.98 | 65.6 | 0.02 | 0.01 | 0.02 | 7.64 | 5.93 | 6.33 | 0.42 | 300.0 | 100.0 | 6.0 |
| 7.0 | 628.49 | 617.02 | 65.6 | 0.05 | 0.06 | 0.02 | 21.63 | 23.01 | 6.33 | 0.36 | 300.0 | 100.0 | 6.0 |
| 8.0 | 823.88 | 887.21 | 65.6 | 0.05 | 0.06 | 0.02 | 22.43 | 23.71 | 6.33 | 0.35 | 300.0 | 100.0 | 6.0 |
| 9.0 | 38.54 | 317.4 | 65.6 | 0.01 | 0.03 | 0.02 | 5.14 | 12.72 | 6.33 | 0.35 | 300.0 | 100.0 | 6.0 |
| 10.0 | 1258.99 | 1276.98 | 65.6 | 0.08 | 0.08 | 0.02 | 32.07 | 32.04 | 6.33 | 0.34 | 300.0 | 100.0 | 6.0 |
| 11.0 | 52.03 | 91.56 | 65.6 | 0.01 | 0.02 | 0.02 | 5.97 | 7.2 | 6.33 | 0.38 | 300.0 | 100.0 | 6.0 |
| 2.0 | 463.89 | 463.89 | 65.6 | 0.05 | 0.05 | 0.02 | 20.17 | 20.17 | 6.33 | 0.58 | 300.0 | 100.0 | 7.0 |
| 3.0 | 1033.96 | 1040.88 | 65.6 | 0.05 | 0.05 | 0.02 | 19.65 | 19.83 | 6.33 | 0.34 | 300.0 | 100.0 | 7.0 |
| 4.0 | 603.48 | 549.11 | 65.6 | 0.05 | 0.04 | 0.02 | 19.33 | 18.43 | 6.33 | 0.34 | 300.0 | 100.0 | 7.0 |
| 5.0 | 34.83 | 83.8 | 65.6 | 0.01 | 0.01 | 0.02 | 4.26 | 5.07 | 6.33 | 0.36 | 300.0 | 100.0 | 7.0 |
| 6.0 | 27.38 | 39.32 | 65.6 | 0.01 | 0.01 | 0.02 | 4.51 | 5.36 | 6.33 | 0.7 | 300.0 | 100.0 | 7.0 |
| 7.0 | 43.61 | 144.06 | 65.6 | 0.01 | 0.02 | 0.02 | 6.15 | 10.3 | 6.33 | 0.43 | 300.0 | 100.0 | 7.0 |
| 8.0 | 12.18 | 25.95 | 65.6 | 0.01 | 0.01 | 0.02 | 2.32 | 3.28 | 6.33 | 0.33 | 300.0 | 100.0 | 7.0 |
| 9.0 | 86.78 | 193.72 | 65.6 | 0.02 | 0.03 | 0.02 | 7.03 | 11.68 | 6.33 | 0.37 | 300.0 | 100.0 | 7.0 |
| 10.0 | 51.71 | 37.42 | 65.6 | 0.01 | 0.01 | 0.02 | 4.95 | 4.94 | 6.33 | 0.31 | 300.0 | 100.0 | 7.0 |
| 11.0 | 101.98 | 90.9 | 65.6 | 0.02 | 0.02 | 0.02 | 7.92 | 8.22 | 6.33 | 0.42 | 300.0 | 100.0 | 7.0 |
| 2.0 | 191.15 | 234.8 | 65.6 | 0.03 | 0.03 | 0.02 | 12.48 | 13.67 | 6.33 | 0.61 | 300.0 | 100.0 | 8.0 |
| 3.0 | 107.21 | 179.89 | 65.6 | 0.02 | 0.03 | 0.02 | 9.19 | 10.66 | 6.33 | 0.44 | 300.0 | 100.0 | 8.0 |
| 4.0 | 517.17 | 616.22 | 65.6 | 0.04 | 0.05 | 0.02 | 16.76 | 18.98 | 6.33 | 0.51 | 300.0 | 100.0 | 8.0 |
| 5.0 | 1224.54 | 1297.65 | 65.6 | 0.05 | 0.05 | 0.02 | 20.39 | 22.92 | 6.33 | 0.73 | 300.0 | 100.0 | 8.0 |
| 6.0 | 67.01 | 81.52 | 65.6 | 0.02 | 0.02 | 0.02 | 6.62 | 7.21 | 6.33 | 0.67 | 300.0 | 100.0 | 8.0 |
| 7.0 | 671.84 | 1009.52 | 65.6 | 0.04 | 0.05 | 0.02 | 15.9 | 18.83 | 6.33 | 0.42 | 300.0 | 100.0 | 8.0 |
| 8.0 | 453.71 | 330.86 | 65.6 | 0.04 | 0.03 | 0.02 | 16.16 | 14.2 | 6.33 | 0.36 | 300.0 | 100.0 | 8.0 |
| 9.0 | 16.65 | 37.9 | 65.6 | 0.01 | 0.01 | 0.02 | 3.76 | 4.91 | 6.33 | 0.35 | 300.0 | 100.0 | 8.0 |
| 10.0 | 90.27 | 92.57 | 65.6 | 0.02 | 0.02 | 0.02 | 8.58 | 7.82 | 6.33 | 0.49 | 300.0 | 100.0 | 8.0 |
| 11.0 | 367.76 | 1453.37 | 65.6 | 0.04 | 0.07 | 0.02 | 14.85 | 28.81 | 6.33 | 0.56 | 300.0 | 100.0 | 8.0 |
| 2.0 | 60.09 | 37.05 | 65.6 | 0.02 | 0.01 | 0.02 | 6.56 | 5.14 | 6.33 | 0.42 | 300.0 | 100.0 | 9.0 |
| 3.0 | 257.74 | 308.43 | 65.6 | 0.03 | 0.04 | 0.02 | 13.76 | 15.75 | 6.33 | 0.47 | 300.0 | 100.0 | 9.0 |
| 4.0 | 294.66 | 228.29 | 65.6 | 0.03 | 0.03 | 0.02 | 14.45 | 13.29 | 6.33 | 0.47 | 300.0 | 100.0 | 9.0 |
| 5.0 | 12.02 | 22.33 | 65.6 | 0.01 | 0.01 | 0.02 | 2.66 | 3.42 | 6.33 | 0.46 | 300.0 | 100.0 | 9.0 |
| 6.0 | 71.97 | 85.6 | 65.6 | 0.02 | 0.02 | 0.02 | 7.7 | 8.45 | 6.33 | 0.43 | 300.0 | 100.0 | 9.0 |
| 7.0 | 80.04 | 107.61 | 65.6 | 0.02 | 0.02 | 0.02 | 8.52 | 9.12 | 6.33 | 0.43 | 300.0 | 100.0 | 9.0 |
| 8.0 | 533.59 | 491.39 | 65.6 | 0.04 | 0.05 | 0.02 | 18.13 | 19.53 | 6.33 | 0.44 | 300.0 | 100.0 | 9.0 |
| 9.0 | 201.59 | 209.51 | 65.6 | 0.02 | 0.03 | 0.02 | 10.33 | 11.5 | 6.33 | 0.49 | 300.0 | 100.0 | 9.0 |
| 10.0 | 1315.27 | 1294.14 | 65.6 | 0.07 | 0.07 | 0.02 | 29.39 | 29.09 | 6.33 | 0.44 | 300.0 | 100.0 | 9.0 |
| 11.0 | 416.54 | 739.6 | 65.6 | 0.03 | 0.04 | 0.02 | 12.87 | 15.46 | 6.33 | 0.4 | 300.0 | 100.0 | 9.0 |
| 2.0 | 30.98 | 49.74 | 65.6 | 0.01 | 0.01 | 0.02 | 4.55 | 5.59 | 6.33 | 0.71 | 300.0 | 100.0 | 10.0 |
| 3.0 | 411.51 | 260.38 | 65.6 | 0.04 | 0.03 | 0.02 | 17.91 | 14.5 | 6.33 | 0.76 | 300.0 | 100.0 | 10.0 |
| 4.0 | 233.84 | 172.8 | 65.6 | 0.03 | 0.03 | 0.02 | 13.34 | 10.83 | 6.33 | 0.24 | 300.0 | 100.0 | 10.0 |
| 5.0 | 124.07 | 140.04 | 65.6 | 0.02 | 0.02 | 0.02 | 8.45 | 10.1 | 6.33 | 0.24 | 300.0 | 100.0 | 10.0 |
| 6.0 | 857.03 | 686.54 | 65.6 | 0.05 | 0.05 | 0.02 | 20.83 | 22.44 | 6.33 | 0.25 | 300.0 | 100.0 | 10.0 |
| 7.0 | 317.79 | 163.56 | 65.6 | 0.03 | 0.02 | 0.02 | 12.11 | 10.0 | 6.33 | 0.23 | 300.0 | 100.0 | 10.0 |
| 8.0 | 1717.49 | 1502.99 | 65.6 | 0.09 | 0.08 | 0.02 | 36.1 | 33.65 | 6.33 | 0.25 | 300.0 | 100.0 | 10.0 |
| 9.0 | 882.16 | 1112.32 | 65.6 | 0.06 | 0.07 | 0.02 | 26.46 | 27.41 | 6.33 | 0.27 | 300.0 | 100.0 | 10.0 |
| 10.0 | 463.5 | 262.45 | 65.6 | 0.04 | 0.04 | 0.02 | 17.93 | 14.76 | 6.33 | 0.23 | 300.0 | 100.0 | 10.0 |
| 11.0 | 1429.01 | 3354.17 | 65.6 | 0.07 | 0.13 | 0.02 | 31.21 | 53.42 | 6.33 | 0.23 | 300.0 | 100.0 | 10.0 |
| 2.0 | 457.9 | 858.64 | 65.6 | 0.05 | 0.06 | 0.02 | 19.06 | 25.09 | 6.33 | 0.36 | 300.0 | 100.0 | 11.0 |
| 3.0 | 686.0 | 643.77 | 65.6 | 0.05 | 0.05 | 0.02 | 21.02 | 21.48 | 6.33 | 0.23 | 300.0 | 100.0 | 11.0 |
| 4.0 | 191.13 | 171.01 | 65.6 | 0.02 | 0.02 | 0.02 | 9.24 | 7.67 | 6.33 | 0.21 | 300.0 | 100.0 | 11.0 |
| 5.0 | 164.59 | 116.08 | 65.6 | 0.03 | 0.02 | 0.02 | 11.61 | 9.64 | 6.33 | 0.24 | 300.0 | 100.0 | 11.0 |
| 6.0 | 521.33 | 721.28 | 65.6 | 0.03 | 0.04 | 0.02 | 14.49 | 17.52 | 6.33 | 0.19 | 300.0 | 100.0 | 11.0 |
| 7.0 | 263.6 | 212.7 | 65.6 | 0.03 | 0.03 | 0.02 | 14.35 | 13.04 | 6.33 | 0.36 | 300.0 | 100.0 | 11.0 |
| 8.0 | 230.32 | 393.35 | 65.6 | 0.03 | 0.04 | 0.02 | 14.21 | 17.35 | 6.33 | 0.25 | 300.0 | 100.0 | 11.0 |
| 9.0 | 463.63 | 463.34 | 65.6 | 0.04 | 0.04 | 0.02 | 18.02 | 16.62 | 6.33 | 0.21 | 300.0 | 100.0 | 11.0 |
| 10.0 | 123.08 | 133.83 | 65.6 | 0.02 | 0.02 | 0.02 | 7.75 | 9.12 | 6.33 | 0.36 | 300.0 | 100.0 | 11.0 |
| 11.0 | 464.33 | 567.84 | 65.6 | 0.03 | 0.04 | 0.02 | 11.89 | 16.02 | 6.33 | 0.25 | 300.0 | 100.0 | 11.0 |