

| 10 | Ro= $n * r^{(n+1)} * (r - 1) / (r^n - 1)$ | | | | SQRT(2)= 1.41421 | | SQRT(3)= 1.73205 | | |
|------|---|----------|----------|---------|------------------|---------|------------------|---------|--------|
| n= | 10 | Days | 10 Cases | Day 0 | | | | | |
| | | Re Cases | Ro Cases | | 0.02 | | | 0.25000 | |
| r | Re | Day 10 | Day 10 | r | + Ro | Ro | Re | + Re | Ro/Re |
| 1.09 | 1.69844 | 23.674 | 31.931 | 1.12311 | | 2.01305 | 1.69844 | 1.94844 | 1.1852 |
| 1.10 | 1.79020 | 25.937 | 35.028 | 1.13355 | | 2.11877 | 1.79020 | 2.04020 | 1.1835 |
| 1.11 | 1.88480 | 28.394 | 38.304 | 1.14373 | | 2.22472 | 1.88480 | 2.13480 | 1.1804 |
| 1.12 | 1.98222 | 31.058 | 41.773 | 1.15369 | | 2.33117 | 1.98222 | 2.23222 | 1.1760 |
| 1.13 | 2.08247 | 33.946 | 45.450 | 1.16347 | | 2.43835 | 2.08247 | 2.33247 | 1.1709 |
| 1.14 | 2.18553 | 37.072 | 49.353 | 1.17309 | | 2.54647 | 2.18553 | 2.43553 | 1.1651 |
| 1.15 | 2.29140 | 40.456 | 53.499 | 1.18259 | | 2.65571 | 2.29140 | 2.54140 | 1.1590 |
| 1.16 | 2.40005 | 44.114 | 57.907 | 1.19199 | | 2.76623 | 2.40005 | 2.65005 | 1.1526 |
| 1.17 | 2.51148 | 48.068 | 62.598 | 1.20131 | | 2.87819 | 2.51148 | 2.76148 | 1.1460 |
| 1.18 | 2.62567 | 52.338 | 67.593 | 1.21057 | | 2.99171 | 2.62567 | 2.87567 | 1.1394 |
| 1.19 | 2.74261 | 56.947 | 72.913 | 1.21978 | | 3.10691 | 2.74261 | 2.99261 | 1.1328 |
| 1.20 | 2.86227 | 61.917 | 78.584 | 1.22895 | | 3.22390 | 2.86227 | 3.11227 | 1.1263 |
| 1.21 | 2.98465 | 67.275 | 84.630 | 1.23809 | | 3.34277 | 2.98465 | 3.23465 | 1.1200 |
| 1.22 | 3.10972 | 73.046 | 91.079 | 1.24722 | | 3.46361 | 3.10972 | 3.35972 | 1.1138 |
| 1.23 | 3.23746 | 79.259 | 97.959 | 1.25633 | | 3.58650 | 3.23746 | 3.48746 | 1.1078 |
| 1.24 | 3.36787 | 85.944 | 105.299 | 1.26544 | | 3.71150 | 3.36787 | 3.61787 | 1.1020 |
| 1.25 | 3.50091 | 93.132 | 113.132 | 1.27456 | | 3.83867 | 3.50091 | 3.75091 | 1.0965 |
| 1.26 | 3.63657 | 100.857 | 121.492 | 1.28367 | | 3.96806 | 3.63657 | 3.88657 | 1.0912 |
| 1.27 | 3.77483 | 109.153 | 130.413 | 1.29280 | | 4.09972 | 3.77483 | 4.02483 | 1.0861 |
| 1.28 | 3.91567 | 118.059 | 139.934 | 1.30194 | | 4.23369 | 3.91567 | 4.16567 | 1.0812 |
| 1.29 | 4.05908 | 127.614 | 150.094 | 1.31110 | | 4.37001 | 4.05908 | 4.30908 | 1.0766 |
| 1.30 | 4.20502 | 137.858 | 160.935 | 1.32028 | | 4.50870 | 4.20502 | 4.45502 | 1.0722 |
| 1.31 | 4.35350 | 148.838 | 172.502 | 1.32947 | | 4.64980 | 4.35350 | 4.60350 | 1.0681 |
| 1.32 | 4.50448 | 160.598 | 184.840 | 1.33869 | | 4.79331 | 4.50448 | 4.75448 | 1.0641 |
| 1.33 | 4.65795 | 173.187 | 197.999 | 1.34793 | | 4.93926 | 4.65795 | 4.90795 | 1.0604 |
| 1.34 | 4.81390 | 186.659 | 212.032 | 1.35719 | | 5.08766 | 4.81390 | 5.06390 | 1.0569 |
| 1.35 | 4.97230 | 201.066 | 226.991 | 1.36647 | | 5.23853 | 4.97230 | 5.22230 | 1.0535 |
| 1.36 | 5.13313 | 216.466 | 242.936 | 1.37578 | | 5.39187 | 5.13313 | 5.38313 | 1.0504 |
| 1.37 | 5.29639 | 232.919 | 259.927 | 1.38511 | | 5.54768 | 5.29639 | 5.54639 | 1.0474 |
| 1.38 | 5.46205 | 250.490 | 278.027 | 1.39447 | | 5.70596 | 5.46205 | 5.71205 | 1.0447 |
| 1.39 | 5.63011 | 269.245 | 297.303 | 1.40385 | | 5.86673 | 5.63011 | 5.88011 | 1.0420 |
| 1.40 | 5.80053 | 289.255 | 317.826 | 1.41325 | 6.04998 | 6.02998 | 5.80053 | 6.05053 | 1.0396 |
| 1.41 | 5.97332 | 310.593 | 339.671 | 1.42268 | 6.21570 | 6.19570 | 5.97332 | | 1.0372 |
| 1.42 | 6.14845 | 333.337 | 362.914 | 1.43212 | 6.38389 | 6.36389 | 6.14845 | | 1.0350 |
| 1.43 | 6.32591 | 357.569 | 387.639 | 1.44159 | 6.55455 | 6.53455 | 6.32591 | | 1.0330 |
| 1.44 | 6.50569 | 383.376 | 413.932 | 1.45109 | 6.72767 | 6.70767 | 6.50569 | | 1.0310 |
| 1.45 | 6.68778 | 410.847 | 441.881 | 1.46060 | 6.90325 | 6.88325 | 6.68778 | | 1.0292 |
| 1.46 | 6.87216 | 440.077 | 471.584 | 1.47013 | 7.08127 | 7.06127 | 6.87216 | | 1.0275 |
| 1.47 | 7.05882 | 471.165 | 503.138 | 1.47968 | 7.26172 | 7.24172 | 7.05882 | | 1.0259 |
| 1.48 | 7.24774 | 504.217 | 536.649 | 1.48925 | 7.44460 | 7.42460 | 7.24774 | | 1.0244 |
| 1.49 | 7.43893 | 539.340 | 572.226 | 1.49885 | 7.62990 | 7.60990 | 7.43893 | | 1.0230 |
| 1.50 | 7.63236 | 576.650 | 609.984 | 1.50845 | 7.81761 | 7.79761 | 7.63236 | | 1.0217 |
| 1.51 | 7.82802 | 616.268 | 650.043 | 1.51808 | 8.00771 | 7.98771 | 7.82802 | | 1.0204 |
| 1.52 | 8.02592 | 658.318 | 692.529 | 1.52772 | 8.20021 | 8.18021 | 8.02592 | | 1.0192 |
| 1.53 | 8.22602 | 702.934 | 737.574 | 1.53738 | 8.39507 | 8.37507 | 8.22602 | | 1.0181 |
| 1.54 | 8.42834 | 750.252 | 785.317 | 1.54705 | 8.59231 | 8.57231 | 8.42834 | | 1.0171 |
| 1.55 | 8.63285 | 800.418 | 835.902 | 1.55674 | 8.79189 | 8.77189 | 8.63285 | | 1.0161 |

| 10 | Ro= $n * r^{(n+1)} * (r - 1) / (r^n - 1)$ | | | | SQRT(2)= 1.41421 | | SQRT(3)= 1.73205 | | |
|------|---|------------|------------|---------|------------------|----------|------------------|---------|--------|
| n= | 10 | Days | 10 Cases | Day 0 | | | | | |
| | | Re Cases | Ro Cases | | 0.02 | | | 0.25000 | |
| r | Re | Day 10 | Day 10 | r | + Ro | Ro | Re | + Re | Ro/Re |
| 1.56 | 8.83956 | 853.583 | 889.481 | 1.56644 | 8.99382 | 8.97382 | 8.83956 | | 1.0152 |
| 1.57 | 9.04844 | 909.906 | 946.212 | 1.57615 | 9.19809 | 9.17809 | 9.04844 | | 1.0143 |
| 1.58 | 9.25950 | 969.551 | 1,006.260 | 1.58588 | 9.40467 | 9.38467 | 9.25950 | | 1.0135 |
| 1.59 | 9.47273 | 1,032.693 | 1,069.800 | 1.59562 | 9.61357 | 9.59357 | 9.47273 | | 1.0128 |
| 1.60 | 9.68811 | 1,099.512 | 1,137.012 | 1.60537 | 9.82477 | 9.80477 | 9.68811 | | 1.0120 |
| 1.61 | 9.90565 | 1,170.196 | 1,208.085 | 1.61514 | 10.03826 | 10.01826 | 9.90565 | | 1.0114 |
| 1.62 | 10.12533 | 1,244.945 | 1,283.217 | 1.62491 | 10.25404 | 10.23404 | 10.12533 | | 1.0107 |
| 1.63 | 10.34715 | 1,323.964 | 1,362.614 | 1.63470 | 10.47208 | 10.45208 | 10.34715 | | 1.0101 |
| 1.64 | 10.57111 | 1,407.468 | 1,446.492 | 1.64449 | 10.69239 | 10.67239 | 10.57111 | | 1.0096 |
| 1.65 | 10.79719 | 1,495.683 | 1,535.077 | 1.65430 | 10.91495 | 10.89495 | 10.79719 | | 1.0091 |
| 1.66 | 11.02539 | 1,588.843 | 1,628.602 | 1.66411 | 11.13975 | 11.11975 | 11.02539 | | 1.0086 |
| 1.67 | 11.25571 | 1,687.193 | 1,727.313 | 1.67393 | 11.36679 | 11.34679 | 11.25571 | | 1.0081 |
| 1.68 | 11.48814 | 1,790.989 | 1,831.465 | 1.68376 | 11.59605 | 11.57605 | 11.48814 | | 1.0077 |
| 1.69 | 11.72268 | 1,900.496 | 1,941.325 | 1.69360 | 11.82754 | 11.80754 | 11.72268 | | 1.0072 |
| 1.70 | 11.95932 | 2,015.994 | 2,057.170 | 1.70344 | 12.06123 | 12.04123 | 11.95932 | | 1.0068 |
| 1.71 | 12.19806 | 2,137.771 | 2,179.291 | 1.71329 | 12.29712 | 12.27712 | 12.19806 | | 1.0065 |
| 1.72 | 12.43889 | 2,266.128 | 2,307.989 | 1.72315 | 12.53521 | 12.51521 | 12.43889 | | 1.0061 |
| 1.73 | 12.68181 | 2,401.381 | 2,443.577 | 1.73302 | 12.77549 | 12.75549 | 12.68181 | | 1.0058 |
| 1.74 | 12.92682 | 2,543.856 | 2,586.384 | 1.74289 | 13.01794 | 12.99794 | 12.92682 | | 1.0055 |
| 1.75 | 13.17390 | 2,693.894 | 2,736.751 | 1.75276 | 13.26257 | 13.24257 | 13.17390 | | 1.0052 |
| 1.76 | 13.42307 | 2,851.850 | 2,895.032 | 1.76265 | 13.50937 | 13.48937 | 13.42307 | | 1.0049 |
| 1.77 | 13.67431 | 3,018.093 | 3,061.596 | 1.77253 | 13.75832 | 13.73832 | 13.67431 | | 1.0047 |
| 1.78 | 13.92762 | 3,193.008 | 3,236.828 | 1.78243 | 14.00943 | 13.98943 | 13.92762 | | 1.0044 |
| 1.79 | 14.18300 | 3,376.994 | 3,421.128 | 1.79233 | 14.26269 | 14.24269 | 14.18300 | | 1.0042 |
| 1.80 | 14.44044 | 3,570.467 | 3,614.912 | 1.80223 | 14.51809 | 14.49809 | 14.44044 | | 1.0040 |
| 1.81 | 14.69995 | 3,773.860 | 3,818.611 | 1.81213 | 14.77562 | 14.75562 | 14.69995 | | 1.0038 |
| 1.82 | 14.96152 | 3,987.621 | 4,032.676 | 1.82205 | 15.03529 | 15.01529 | 14.96152 | | 1.0036 |
| 1.83 | 15.22515 | 4,212.219 | 4,257.574 | 1.83196 | 15.29708 | 15.27708 | 15.22515 | | 1.0034 |
| 1.84 | 15.49083 | 4,448.138 | 4,493.790 | 1.84188 | 15.56100 | 15.54100 | 15.49083 | | 1.0032 |
| 1.85 | 15.75856 | 4,695.883 | 4,741.829 | 1.85180 | 15.82703 | 15.80703 | 15.75856 | | 1.0031 |
| 1.86 | 16.02834 | 4,955.979 | 5,002.215 | 1.86173 | 16.09517 | 16.07517 | 16.02834 | | 1.0029 |
| 1.87 | 16.30017 | 5,228.969 | 5,275.493 | 1.87166 | 16.36542 | 16.34542 | 16.30017 | | 1.0028 |
| 1.88 | 16.57405 | 5,515.419 | 5,562.227 | 1.88159 | 16.63777 | 16.61777 | 16.57405 | | 1.0026 |
| 1.89 | 16.84997 | 5,815.915 | 5,863.005 | 1.89152 | 16.91222 | 16.89222 | 16.84997 | | 1.0025 |
| 1.90 | 17.12794 | 6,131.066 | 6,178.435 | 1.90146 | 17.18877 | 17.16877 | 17.12794 | | 1.0024 |
| 1.91 | 17.40794 | 7,107.655 | 7,160.064 | 1.91140 | 17.46741 | 17.44741 | 17.40794 | | 1.0023 |
| 1.92 | 17.68998 | 8,169.463 | 8,226.963 | 1.92135 | 17.74813 | 17.72813 | 17.68998 | | 1.0022 |
| 1.93 | 17.97407 | 9,322.158 | 9,384.800 | 1.93129 | 18.03095 | 18.01095 | 17.97407 | | 1.0021 |
| 1.94 | 18.26018 | 10,571.712 | 10,639.547 | 1.94124 | 18.31584 | 18.29584 | 18.26018 | | 1.0020 |
| 1.95 | 18.54833 | 11,924.423 | 11,997.500 | 1.95119 | 18.60281 | 18.58281 | 18.54833 | | 1.0019 |
| 1.96 | 18.83852 | 13,386.921 | 13,465.288 | 1.96114 | 18.89185 | 18.87185 | 18.83852 | | 1.0018 |
| 1.97 | 19.13073 | 14,966.188 | 15,049.893 | 1.97110 | 19.18297 | 19.16297 | 19.13073 | | 1.0017 |
| 1.98 | 19.42498 | 16,669.570 | 16,758.661 | 1.98106 | 19.47616 | 19.45616 | 19.42498 | | 1.0016 |
| 1.99 | 19.72125 | 18,504.799 | 18,599.321 | 1.99101 | 19.77141 | 19.75141 | 19.72125 | | 1.0015 |
| 2.00 | 20.01955 | 20,480.000 | 20,580.000 | 2.00097 | 20.06873 | 20.04873 | 20.01955 | | 1.0015 |

$$Ro = n * r^{(n+1)} * (r - 1) / (r^n - 1)$$

$$SQRT(2) = 1.41421$$

$$SQRT(3) = 1.73205$$

| n= | 10 | Days | 10 | Cases | Day 0 | r | 0.02 | + Ro | Ro | Re | 0.25000 | + Re | Ro/Re |
|---------|----------|------------|----|------------|---------|---|----------|------|----------|----------|---------|------|--------|
| | | Re Cases | | Ro Cases | | | | | | | | | |
| r | Re | Day 10 | | Day 10 | r | | | | | | | | |
| 1.4142 | 6.04683 | 320.000 | | 349.289 | 1.42665 | | 6.28627 | | 6.26627 | 6.04683 | | | 1.0363 |
| 1.73205 | 12.73189 | 2,430.000 | | 2,472.265 | 1.73504 | | 12.82503 | | 12.80503 | 12.73189 | | | 1.0057 |
| 1.90 | 17.12794 | 6,131.066 | | 6,178.435 | 1.90146 | | 17.18877 | | 17.16877 | 17.12794 | | | 1.0024 |
| 1.90867 | 17.37050 | 6,416.551 | | 6,464.158 | 1.91008 | | 17.43014 | | 17.41014 | 17.37050 | | | 1.0023 |
| 1.91 | 17.40794 | 6,461.505 | | 6,509.149 | 1.91140 | | 17.46741 | | 17.44741 | 17.40794 | | | 1.0023 |
| 2.00 | 20.01955 | 10,240.000 | | 10,290.000 | 2.00097 | | 20.06873 | | 20.04873 | 20.01955 | | | 1.0015 |