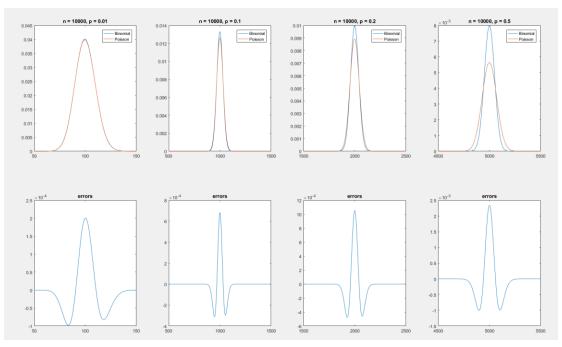
1.c

| n | r | PO_1  | PO_2    | PO_23   | PO_3    | PO_4     | PO_5 PO  | 0_6 PO_7  | PO_8      | PO_9      |           |           |
|---|---|-------|---------|---------|---------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 1 | 0 |       | <br>).9 | 0.8     | 0.75    | 0.7      | 0.6      | 0.5       | 0.4       | 0.3       | 0.2       | 0.1       |
|   | 1 |       | 1       | 1       | 1       | 1        | 1        | 1         | 1         | 1         | 1         | 1         |
| 2 | 0 | 0     | . 81    | 0.64    | 0.5625  | 0.49     | 0.36     | 0.25      | 0.16      | 0.09      | 0.04      | 0.01      |
|   | 1 | 0     | .99     | 0.96    | 0.9375  | 0.91     | 0.84     | 0.75      | 0.64      | 0.51      | 0.36      | 0.19      |
|   | 2 |       | 1       | 1       | 1       | 1        | 1        | 1         | 1         | 1         | 1         | 1         |
| 3 | 0 | 0.1   | 729     | 0.512   | 0.42188 | 0.343    | 0.216    | 0.125     | 0.064     | 0.027     | 0.008     | 0.001     |
|   | 1 | 0.9   | 972     | 0.896   | 0.84375 | 0.784    | 0.648    | 0.5       | 0.352     | 0.216     | 0.104     | 0.028     |
|   | 2 | 0.9   | 999     | 0.992   | 0.98438 | 0.973    | 0.936    | 0.875     | 0.784     | 0.657     | 0.488     | 0.271     |
|   | 3 |       | 1       | 1       | 1       | 1        | 1        | 1         | 1         | 1         | 1         | 1         |
| 4 | 0 | 0.65  | 561     | 0.4096  | 0.31641 | 0.2401   | 0.1296   | 0.0625    | 0.0256    | 0.0081    | 0.0016    | 0.0001    |
|   | 1 | 0.94  | 177     | 0.8192  | 0.73828 | 0.6517   | 0.4752   | 0.3125    | 0.1792    | 0.0837    | 0.0272    | 0.0037    |
|   | 2 | 0.99  | 963     | 0.9728  | 0.94922 | 0.9163   | 0.8208   | 0.6875    | 0.5248    | 0.3483    | 0.1808    | 0.0523    |
|   | 3 | 0.99  | 999     | 0.9984  | 0.99609 | 0.9919   | 0.9744   | 0.9375    | 0.8704    | 0.7599    | 0.5904    | 0.3439    |
|   | 4 |       | 1       | 1       | 1       | 1        | 1        | 1         | 1         | 1         | 1         | 1         |
| 5 | 0 | 0.590 | 349     | 0.32768 | 0.2373  | 0.16807  | 0.07776  | 0.03125   | 0.01024   | 0.00243   | 0.00032   | 1e-05     |
|   | 1 | 0.918 | 354     | 0.73728 | 0.63281 | 0.52822  | 0.33696  | 0.1875    | 0.08704   | 0.03078   | 0.00672   | 0.00046   |
|   | 2 | 0.99  | 144     | 0.94208 | 0.89648 | 0.83692  | 0.68256  | 0.5       | 0.31744   | 0.16308   | 0.05792   | 0.00856   |
|   | 3 | 0.999 | 954     | 0.99328 | 0.98438 | 0.96922  | 0.91296  | 0.8125    | 0.66304   | 0.47178   | 0.26272   | 0.08146   |
|   | 4 | 0.999 | 999     | 0.99968 | 0.99902 | 0.99757  | 0.98976  | 0.96875   | 0.92224   | 0.83193   | 0.67232   | 0.40951   |
|   | 5 |       | 1       | 1       | 1       | 1        | 1        | 1         | 1         | 1         | 1         | 1         |
| 6 | 0 | 0.53  | 144     | 0.26214 | 0.17798 | 0.11765  | 0.046656 | 0.015625  | 0.004096  | 0.000729  | 6.4e-05   | 1e-06     |
|   | 1 | 0.885 | 574     | 0.65536 | 0.53394 | 0.42017  | 0.23328  | 0.10938   | 0.04096   | 0.010935  | 0.0016    | 5.5e-05   |
|   | 2 | 0.984 | 115     | 0.90112 | 0.83057 | 0.74431  | 0.54432  | 0.34375   | 0.1792    | 0.07047   | 0.01696   | 0.00127   |
|   | 3 | 0.998 | 373     | 0.98304 | 0.9624  | 0.92953  | 0.8208   | 0.65625   | 0.45568   | 0.25569   | 0.09888   | 0.01585   |
|   | 4 | 0.999 | 995     | 0.9984  | 0.99536 | 0.98906  | 0.95904  | 0.89063   | 0.76672   | 0.57983   | 0.34464   | 0.11426   |
|   | 5 |       | 1       | 0.99994 | 0.99976 | 0.99927  | 0.9959   | 0.98438   | 0.95334   | 0.88235   | 0.73786   | 0.46856   |
|   | 6 |       | 1       | 1       | 1       | 1        | 1        | 1         | 1         | 1         | 1         |           |
| 7 | 0 | 0.4   | 783     | 0.20972 | 0.13348 | 0.082354 | 0.027994 | 0.0078125 | 0.0016384 | 0.0002187 | 1.28e-05  | 1e-07     |
|   | 1 | 0.850 | 031     | 0.57672 | 0.44495 | 0.32942  | 0.15863  | 0.0625    | 0.018842  | 0.0037908 | 0.0003712 | 6.4e-06   |
|   | 2 | 0.974 | 431     | 0.85197 | 0.75641 | 0.64707  | 0.4199   | 0.22656   |           | 0.028796  | 0.004672  | 0.0001765 |
|   | 3 | 0.99  | 727     | 0.96666 | 0.92944 | 0.87396  | 0.71021  | 0.5       |           |           | 0.033344  | 0.002728  |
|   | 4 | 0.999 | 982     | 0.99533 | 0.98712 | 0.9712   | 0.90374  | 0.77344   | 0.5801    | 0.35293   | 0.14803   | 0.025691  |
|   | 5 |       |         | 0.99963 | 0.99866 | 0.99621  | 0.98116  | 0.9375    | 0.84137   | 0.67058   | 0.42328   | 0.14969   |
|   | 6 |       |         | 0.99999 | 0.99994 |          |          |           |           |           |           |           |
|   | 7 |       | 1       | 1       | 1       | 1        | 1        | 1         | 1         | 1         | 1         | 1         |

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| r<br>— | U5_5 U6   | _0 U6_5   | U7_0      | U7_5 U8    | _0 U8_5    | U9_0       | U9_5       |            |            |
|--------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|
| 0      | 0.0040868 | 0.0024788 | 0.0015034 | 0.00091188 | 0.00055308 | 0.00033546 | 0.00020347 | 0.00012341 | 7.4852e-05 |
| 1      | 0.026564  | 0.017351  | 0.011276  | 0.0072951  | 0.0047012  | 0.0030192  | 0.0019329  | 0.0012341  | 0.00078594 |
| 2      | 0.088376  | 0.061969  | 0.043036  | 0.029636   | 0.020257   | 0.013754   | 0.0092832  | 0.0062322  | 0.0041636  |
| 3      | 0.2017    | 0.1512    | 0.11185   | 0.081765   | 0.059145   | 0.04238    | 0.030109   | 0.021226   | 0.01486    |
| 4      | 0.35752   | 0.28506   | 0.22367   | 0.17299    | 0.13206    | 0.099632   | 0.074364   | 0.054964   | 0.040263   |
| 5      | 0.52892   | 0.44568   | 0.36904   | 0.30071    | 0.24144    | 0.19124    | 0.1496     | 0.11569    | 0.088528   |
| 6      | 0.68604   | 0.6063    | 0.52652   | 0.44971    | 0.37815    | 0.31337    | 0.25618    | 0.20678    | 0.16495    |
| 7      | 0.80949   | 0.74398   | 0.67276   | 0.59871    | 0.52464    | 0.45296    | 0.3856     | 0.3239     | 0.26866    |
| 8      | 0.89436   | 0.84724   | 0.79157   | 0.72909    | 0.66197    | 0.59255    | 0.52311    | 0.45565    | 0.39182    |
| 9      | 0.94622   | 0.91608   | 0.87738   | 0.8305     | 0.77641    | 0.71662    | 0.65297    | 0.58741    | 0.52183    |
| 10     | 0.97475   | 0.95738   | 0.93316   | 0.90148    | 0.86224    | 0.81589    | 0.76336    | 0.70599    | 0.64533    |
| 11     | 0.98901   | 0.97991   | 0.96612   | 0.94665    | 0.92076    | 0.88808    | 0.84866    | 0.80301    | 0.75199    |
| 12     | 0.99555   | 0.99117   | 0.98397   | 0.973      | 0.95733    | 0.9362     | 0.90908    | 0.87577    | 0.83643    |
| 13     | 0.99831   | 0.99637   | 0.9929    | 0.98719    | 0.97844    | 0.96582    | 0.94859    | 0.92615    | 0.89814    |
| 14     | 0.9994    | 0.9986    | 0.99704   | 0.99428    | 0.98974    | 0.98274    | 0.97257    | 0.95853    | 0.94001    |
| 15     | 0.9998    | 0.99949   | 0.99884   | 0.99759    | 0.99539    | 0.99177    | 0.98617    | 0.97796    | 0.96653    |
| 16     | 0.99994   | 0.99983   | 0.99957   | 0.99904    | 0.99804    | 0.99628    | 0.99339    | 0.98889    | 0.98227    |
| 17     | 0.99998   | 0.99994   | 0.99985   | 0.99964    | 0.99921    | 0.99841    | 0.997      | 0.99468    | 0.99107    |
| 18     | 0.99999   | 0.99998   | 0.99995   | 0.99987    | 0.9997     | 0.99935    | 0.9987     | 0.99757    | 0.99572    |
| 19     | 1         | 0.99999   | 0.99998   | 0.99996    | 0.99989    | 0.99975    | 0.99947    | 0.99894    | 0.99804    |
| 20     | 1         | 1         | 1         | 0.99999    | 0.99996    | 0.99991    | 0.99979    | 0.99956    | 0.99914    |
| 21     | 1         | 1         | 1         | 1          | 0.99999    | 0.99997    | 0.99992    | 0.99983    | 0.99964    |
| 22     | 1         | 1         | 1         | 1          | 1          | 0.99999    | 0.99997    | 0.99993    | 0.99985    |
| 23     | 1         | 1         | 1         | 1          | 1          | 1          | 0.99999    | 0.99998    | 0.99994    |
| 24     | 1         | 1         | 1         | 1          | 1          | 1          | 1          | 0.99999    | 0.99998    |

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## 2.a

