



Designation: D 3665 – 9902

Standard Practice for Random Sampling of Construction Materials¹

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¹ This practice is under the jurisdiction of ASTM Committee ~~D-4~~ D04 on Road and Paving Materials and is the direct responsibility of Subcommittee D04.30 on Methods of Sampling.

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1. Scope

1.1 This practice covers the determination of random locations (or timing) at which samples of construction materials can be taken. For the exact physical procedures for securing the sample, such as a description of the sampling tool, the number of increments needed for a sample, or the size of the sample, reference should be made to the appropriate standard method. The selection procedures in Section 4 utilize the table of ~~three-digit~~ four-digit numbers given in Table 1.

1.2 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

C 172 Practice for Sampling Freshly Mixed Concrete²

C 183 Practice for Sampling and the Amount of Testing of Hydraulic Cement³

D 75 Practice for Sampling Aggregates⁴

D 140 Practice for Sampling Bituminous Materials⁴

D 345 Test Method for Sampling and Testing Calcium Chloride for Roads and Structural Applications⁴

D 979 Practice for Sampling Bituminous Paving Mixtures⁴

D 5361 Practice for Sampling Compacted Bituminous Mixtures for Laboratory Testing⁴

E 105 Practice for Probability Sampling of Materials⁵

E 122 Practice for Choice of Sample Size to Estimate a Measure of Quality for a Lot or Process⁵

E 141 Practice for Acceptance of Evidence Based on the Results of Probability Sampling⁵

3. Significance and Use

3.1 This practice is useful for determining the location or time, or both, to take a sample in order to eliminate any intentional or minimize any unintentional bias on the part of the person taking the sample.

NOTE 1—The effectiveness of this practice in achieving random samples is limited only by the conscientiousness of the user in following the stipulated procedures.

3.2 A less detailed procedure is included in 5.8 for normal usage and is considered the most practical means except where the sampling is deemed extremely critical or where dispute is anticipated.

3.3 The selection procedures and examples in this standard provide a practical approach for ensuring that construction material samples are obtained in a random manner. Additional details concerning the number of sample increments, the number of samples, the quantities of material in each, and the procedures for extracting sample increments or samples from the construction lot or process are contained in Practices C 172, C 183, D 75, D 140, D 979, D 5361, and Test Method D 345.

3.4 This standard contains examples citing road and paving materials. The concepts outlined therein are applicable to the random sampling of any construction material and can easily be adapted thereto.

² Annual Book of ASTM Standards, Vol 04.02.

³ Annual Book of ASTM Standards, Vol 04.01.

⁴ Annual Book of ASTM Standards, Vol 04.03.

⁵ Annual Book of ASTM Standards, Vol 14.02.

3.5 Additional sampling guidance is provided in Practice E 105 concerning probability sampling, Practice E 122 concerning choosing sample sizes to estimate the average quality of a lot or process (see Note 2), and in Practice E 141 for acceptance of evidence based on results of probability sampling.

NOTE 2—The guidance contained in Practice E 122 is not available in other documents referenced in this section.

3.6 The best and most practical method for ensuring that samples of construction materials include the full range of a construction process is by incorporating a stratified-random sampling procedure into the sampling process. To implement a stratified-random sampling procedure, divide the lot to be sampled into the desired number of equal sublots and randomly sample each subplot in accordance with this standard.

NOTE 3—If the sublots are of unequal size, it will likely be necessary to weight the samples in order to maintain a fair and defensible sampling process.

TABLE 1 Table of Random Numbers

| | | | | | | | | | | | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 0.0747 | 0.9908 | 0.7128 | 0.1100 | 0.9586 | 0.6746 | 0.0618 | 0.6843 | 0.3724 | 0.5563 | 0.8697 | 0.3662 | 0.2156 | 0.8643 | 0.5692 | 0.3350 | 0.1634 | 0.9557 | 0.5128 | 0.0931 |
| 2 | 0.1579 | 0.5348 | 0.1094 | 0.0785 | 0.0694 | 0.3623 | 0.3153 | 0.4182 | 0.5431 | 0.2079 | 0.3439 | 0.9225 | 0.7096 | 0.0488 | 0.4475 | 0.9850 | 0.8570 | 0.6543 | 0.3945 | 0.2898 |
| 3 | 0.6545 | 0.2054 | 0.3654 | 0.4849 | 0.2375 | 0.7008 | 0.2302 | 0.8945 | 0.1050 | 0.0939 | 0.1701 | 0.3628 | 0.7326 | 0.3496 | 0.7584 | 0.3922 | 0.1801 | 0.3785 | 0.4230 | 0.6340 |
| 4 | 0.7771 | 0.5684 | 0.3641 | 0.2839 | 0.6441 | 0.3994 | 0.8714 | 0.7783 | 0.2312 | 0.4262 | 0.0885 | 0.5032 | 0.7120 | 0.3271 | 0.0299 | 0.9276 | 0.7909 | 0.4995 | 0.8441 | 0.1960 |
| 5 | 0.5950 | 0.6068 | 0.5177 | 0.7500 | 0.8845 | 0.0654 | 0.5100 | 0.7197 | 0.6332 | 0.0401 | 0.6457 | 0.6288 | 0.0941 | 0.9641 | 0.8883 | 0.9752 | 0.5257 | 0.0424 | 0.3186 | 0.0906 |
| 6 | 0.5446 | 0.6811 | 0.6317 | 0.8782 | 0.6486 | 0.6956 | 0.8084 | 0.8824 | 0.6280 | 0.4053 | 0.2713 | 0.7759 | 0.7327 | 0.8682 | 0.4024 | 0.6919 | 0.9935 | 0.2236 | 0.7590 | 0.7186 |
| 7 | 0.6074 | 0.4514 | 0.8458 | 0.8905 | 0.3272 | 0.4951 | 0.0502 | 0.3469 | 0.3596 | 0.2388 | 0.8058 | 0.8202 | 0.4848 | 0.0831 | 0.2729 | 0.7151 | 0.2286 | 0.2231 | 0.7040 | 0.4219 |
| 8 | 0.5230 | 0.3413 | 0.7700 | 0.2938 | 0.2554 | 0.2626 | 0.2626 | 0.2379 | 0.0901 | 0.5202 | 0.1786 | 0.0856 | 0.6858 | 0.6744 | 0.9953 | 0.9740 | 0.7905 | 0.3979 | 0.4505 | 0.7848 |
| 9 | 0.0520 | 0.2910 | 0.5071 | 0.4171 | 0.5374 | 0.5522 | 0.7310 | 0.2841 | 0.0657 | 0.0249 | 0.0365 | 0.7750 | 0.4049 | 0.3423 | 0.3946 | 0.7372 | 0.3917 | 0.2911 | 0.8452 | 0.8042 |
| 10 | 0.0748 | 0.5330 | 0.7781 | 0.8309 | 0.7996 | 0.6697 | 0.3624 | 0.5200 | 0.8251 | 0.3677 | 0.5843 | 0.2496 | 0.0459 | 0.5922 | 0.6591 | 0.2317 | 0.4693 | 0.9533 | 0.5194 | 0.0535 |
| 11 | 0.3358 | 0.7229 | 0.8300 | 0.1384 | 0.6163 | 0.4872 | 0.8737 | 0.5689 | 0.6916 | 0.4636 | 0.7601 | 0.8562 | 0.0905 | 0.2191 | 0.9436 | 0.3117 | 0.6782 | 0.0551 | 0.6850 | 0.0933 |
| 12 | 0.7081 | 0.5302 | 0.5939 | 0.1827 | 0.1605 | 0.7077 | 0.7009 | 0.3198 | 0.8479 | 0.8650 | 0.4269 | 0.8879 | 0.6123 | 0.8640 | 0.7456 | 0.9556 | 0.8055 | 0.2979 | 0.6098 | 0.4045 |
| 13 | 0.8174 | 0.2389 | 0.0459 | 0.8230 | 0.7066 | 0.4224 | 0.2721 | 0.2914 | 0.8115 | 0.0845 | 0.4523 | 0.1408 | 0.1431 | 0.1857 | 0.6462 | 0.2633 | 0.1187 | 0.3307 | 0.1954 | 0.5531 |
| 14 | 0.0716 | 0.3396 | 0.9098 | 0.7288 | 0.6059 | 0.3393 | 0.2086 | 0.7414 | 0.0848 | 0.2351 | 0.1697 | 0.7290 | 0.9382 | 0.6355 | 0.6787 | 0.6030 | 0.3747 | 0.6819 | 0.1364 | 0.3636 |
| 15 | 0.2529 | 0.8794 | 0.6920 | 0.3417 | 0.9636 | 0.3280 | 0.7914 | 0.8085 | 0.5540 | 0.7864 | 0.4288 | 0.1275 | 0.8081 | 0.2968 | 0.8627 | 0.4526 | 0.0200 | 0.2935 | 0.8056 | 0.0040 |
| 16 | 0.4752 | 0.2411 | 0.2463 | 0.2470 | 0.5404 | 0.1266 | 0.1145 | 0.4639 | 0.2283 | 0.4260 | 0.1380 | 0.4722 | 0.5792 | 0.9899 | 0.4385 | 0.1651 | 0.4184 | 0.1371 | 0.8905 | 0.4740 |
| 17 | 0.6979 | 0.3783 | 0.7200 | 0.2276 | 0.0572 | 0.8382 | 0.9163 | 0.6868 | 0.2053 | 0.5727 | 0.1643 | 0.1643 | 0.7234 | 0.3692 | 0.2995 | 0.3164 | 0.9847 | 0.0700 | 0.8433 | 0.8966 |
| 18 | 0.5614 | 0.3988 | 0.5652 | 0.1268 | 0.4177 | 0.8427 | 0.8276 | 0.6873 | 0.5737 | 0.7606 | 0.1704 | 0.3697 | 0.8076 | 0.8456 | 0.5040 | 0.5266 | 0.3728 | 0.4110 | 0.1436 | 0.9623 |
| 19 | 0.2788 | 0.6972 | 0.4797 | 0.2441 | 0.7747 | 0.6485 | 0.5865 | 0.3128 | 0.7903 | 0.7055 | 0.3607 | 0.4959 | 0.7487 | 0.5484 | 0.3194 | 0.7554 | 0.1183 | 0.7472 | 0.0318 | 0.4008 |
| 20 | 0.2812 | 0.5934 | 0.9148 | 0.9333 | 0.5009 | 0.9757 | 0.6600 | 0.9859 | 0.1909 | 0.7268 | 0.2068 | 0.6592 | 0.4497 | 0.1861 | 0.0135 | 0.2533 | 0.9124 | 0.4643 | 0.8099 | 0.1805 |
| 21 | 0.6309 | 0.8515 | 0.3480 | 0.1368 | 0.7117 | 0.1757 | 0.0988 | 0.4791 | 0.9198 | 0.0708 | 0.2446 | 0.3615 | 0.1746 | 0.7166 | 0.4975 | 0.6699 | 0.0348 | 0.7029 | 0.9215 | 0.4443 |
| 22 | 0.5220 | 0.5869 | 0.2445 | 0.6146 | 0.2442 | 0.9419 | 0.4498 | 0.8941 | 0.6362 | 0.5454 | 0.0960 | 0.8411 | 0.0698 | 0.5648 | 0.4896 | 0.9944 | 0.5984 | 0.2254 | 0.6556 | 0.8225 |
| 23 | 0.0367 | 0.0788 | 0.8710 | 0.5432 | 0.8802 | 0.4543 | 0.0061 | 0.9173 | 0.7080 | 0.7466 | 0.6456 | 0.6714 | 0.8891 | 0.7929 | 0.4613 | 0.5567 | 0.2219 | 0.6831 | 0.0439 | 0.1030 |
| 24 | 0.2365 | 0.6469 | 0.7719 | 0.7650 | 0.8271 | 0.5516 | 0.2984 | 0.1590 | 0.3044 | 0.7751 | 0.9164 | 0.5354 | 0.0701 | 0.5013 | 0.6013 | 0.3348 | 0.7550 | 0.1065 | 0.1002 | 0.8375 |
| 25 | 0.8922 | 0.7232 | 0.3066 | 0.3543 | 0.8840 | 0.0639 | 0.8259 | 0.4115 | 0.1595 | 0.3081 | 0.1912 | 0.6520 | 0.6833 | 0.3086 | 0.1654 | 0.7718 | 0.7264 | 0.2409 | 0.8952 | 0.6575 |
| 26 | 0.0943 | 0.1662 | 0.1803 | 0.8264 | 0.1687 | 0.7938 | 0.2524 | 0.4905 | 0.1142 | 0.4811 | 0.1718 | 0.3565 | 0.0952 | 0.5150 | 0.1531 | 0.4150 | 0.8746 | 0.6829 | 0.8359 | 0.1222 |
| 27 | 0.9332 | 0.1245 | 0.0262 | 0.3072 | 0.1351 | 0.0877 | 0.6815 | 0.8976 | 0.4724 | 0.9748 | 0.0434 | 0.5911 | 0.5598 | 0.7725 | 0.2647 | 0.7465 | 0.3009 | 0.4672 | 0.9710 | 0.9893 |
| 28 | 0.9446 | 0.6190 | 0.5937 | 0.3910 | 0.6759 | 0.8892 | 0.2855 | 0.0004 | 0.7832 | 0.1356 | 0.9162 | 0.7360 | 0.1013 | 0.4191 | 0.2380 | 0.8184 | 0.1405 | 0.5434 | 0.4854 | 0.9227 |
| 29 | 0.0630 | 0.2919 | 0.5379 | 0.8272 | 0.1324 | 0.6053 | 0.4478 | 0.0055 | 0.9065 | 0.0014 | 0.3814 | 0.0727 | 0.5280 | 0.6696 | 0.5537 | 0.5501 | 0.5440 | 0.0378 | 0.1409 | 0.7881 |
| 30 | 0.6668 | 0.8500 | 0.7617 | 0.2571 | 0.2540 | 0.4675 | 0.3331 | 0.0855 | 0.9079 | 0.0268 | 0.8455 | 0.9960 | 0.5665 | 0.7374 | 0.7797 | 0.0783 | 0.8599 | 0.2454 | 0.4307 | 0.4235 |
| 31 | 0.6406 | 0.6335 | 0.2593 | 0.7228 | 0.5771 | 0.9646 | 0.4596 | 0.8743 | 0.5377 | 0.8009 | 0.6740 | 0.2918 | 0.8753 | 0.1852 | 0.9272 | 0.1961 | 0.2731 | 0.0775 | 0.0377 | 0.0258 |
| 32 | 0.2988 | 0.2182 | 0.0113 | 0.8098 | 0.6283 | 0.5566 | 0.4806 | 0.0771 | 0.5818 | 0.6700 | 0.9389 | 0.8163 | 0.5862 | 0.1366 | 0.8261 | 0.9044 | 0.4760 | 0.9724 | 0.4503 | 0.4051 |
| 33 | 0.6889 | 0.2370 | 0.7518 | 0.7689 | 0.8429 | 0.2292 | 0.1696 | 0.1057 | 0.3036 | 0.1040 | 0.3345 | 0.2410 | 0.1404 | 0.9982 | 0.4077 | 0.3571 | 0.2290 | 0.1882 | 0.4284 | 0.2932 |
| 34 | 0.1398 | 0.7363 | 0.6408 | 0.1277 | 0.8468 | 0.8487 | 0.6217 | 0.6055 | 0.8929 | 0.1533 | 0.1627 | 0.5066 | 0.0591 | 0.0655 | 0.1285 | 0.5920 | 0.0051 | 0.7927 | 0.1480 | 0.7462 |
| 35 | 0.1854 | 0.9911 | 0.5553 | 0.5752 | 0.2484 | 0.8131 | 0.6099 | 0.8276 | 0.9034 | 0.4942 | 0.4624 | 0.9470 | 0.9441 | 0.0539 | 0.4048 | 0.3369 | 0.4748 | 0.2541 | 0.6429 | 0.1190 |
| 36 | 0.3035 | 0.2702 | 0.5624 | 0.3048 | 0.1477 | 0.8296 | 0.6968 | 0.6153 | 0.5983 | 0.2902 | 0.2174 | 0.8274 | 0.7860 | 0.0141 | 0.1342 | 0.5597 | 0.2327 | 0.2449 | 0.5768 | 0.7622 |
| 37 | 0.7579 | 0.7321 | 0.2534 | 0.9571 | 0.0215 | 0.2168 | 0.0617 | 0.0928 | 0.6293 | 0.5167 | 0.7073 | 0.6981 | 0.4296 | 0.6983 | 0.6984 | 0.8936 | 0.2720 | 0.5696 | 0.8189 | 0.0579 |
| 38 | 0.4876 | 0.4334 | 0.3236 | 0.4658 | 0.8652 | 0.8921 | 0.5114 | 0.7652 | 0.2528 | 0.7677 | 0.5511 | 0.2017 | 0.7097 | 0.8948 | 0.5753 | 0.7743 | 0.2810 | 0.9943 | 0.1874 | 0.3299 |
| 39 | 0.7680 | 0.3214 | 0.9594 | 0.4506 | 0.2975 | 0.2802 | 0.2635 | 0.1547 | 0.3633 | 0.6018 | 0.4974 | 0.7401 | 0.1218 | 0.9993 | 0.8663 | 0.6436 | 0.5925 | 0.5308 | 0.9360 | 0.6319 |
| 40 | 0.7817 | 0.8220 | 0.9475 | 0.9127 | 0.6915 | 0.4584 | 0.4788 | 0.5493 | 0.8437 | 0.1611 | 0.3686 | 0.5466 | 0.7931 | 0.9261 | 0.1749 | 0.8672 | 0.0372 | 0.3913 | 0.6677 | 0.1995 |
| 41 | 0.0729 | 0.9746 | 0.9929 | 0.8474 | 0.9447 | 0.4406 | 0.4870 | 0.3088 | 0.2927 | 0.2451 | 0.2693 | 0.3587 | 0.9601 | 0.5293 | 0.4998 | 0.3239 | 0.6544 | 0.1973 | 0.6690 | 0.2497 |
| 42 | 0.9706 | 0.5872 | 0.2386 | 0.1284 | 0.3553 | 0.6965 | 0.1794 | 0.8344 | 0.8521 | 0.9206 | 0.8580 | 0.6996 | 0.3555 | 0.7439 | 0.4123 | 0.6228 | 0.8439 | 0.9931 | 0.6970 | 0.1508 |
| 43 | 0.3713 | 0.4437 | 0.3558 | 0.6056 | 0.1722 | 0.8451 | 0.1562 | 0.9356 | 0.3748 | 0.8933 | 0.9741 | 0.8813 | 0.0184 | 0.3142 | 0.2396 | 0.8780 | 0.0506 | 0.7934 | 0.4754 | 0.9945 |
| 44 | 0.2486 | 0.5881 | 0.4711 | 0.4247 | 0.4139 | 0.3592 | 0.4101 | 0.1279 | 0.2326 | 0.1848 | 0.3285 | 0.2948 | 0.7429 | 0.5855 | 0.9345 | 0.8812 | 0.7191 | 0.7079 | 0.9803 | 0.4049 |
| 45 | 0.3179 | 0.0628 | 0.4342 | 0.9208 | 0.6107 | 0.3191 | 0.5897 | 0.1465 | 0.4713 | 0.1867 | 0.7419 | 0.7609 | 0.1216 | 0.2498 | 0.0449 | 0.0632 | 0.4057 | 0.6186 | 0.5988 | 0.5121 |
| 46 | 0.1669 | 0.8308 | 0.3289 | 0.3237 | 0.0224 | 0.6422 | 0.5053 | 0.0059 | 0.5207 | 0.4540 | 0.5799 | 0.5093 | 0.6188 | 0.7458 | 0.7865 | 0.0331 | 0.5898 | 0.3007 | 0.5316 | 0.8819 |

TABLE 1 Continued

| | | | | | | | | | | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 47 | 0.8606 | 0.6998 | 0.7262 | 0.9596 | 0.3752 | 0.6680 | 0.8865 | 0.7282 | 0.7260 | 0.2978 | 0.1664 | 0.7030 | 0.3520 | 0.0284 | 0.5233 | 0.9753 | 0.8413 | 0.2208 | 0.2321 |
| 48 | 0.2921 | 0.3652 | 0.9289 | 0.6231 | 0.2505 | 0.6322 | 0.3325 | 0.4549 | 0.3467 | 0.9969 | 0.8475 | 0.2412 | 0.2644 | 0.5970 | 0.7180 | 0.0395 | 0.2301 | 0.8133 | 0.4175 |
| 49 | 0.2945 | 0.6689 | 0.7694 | 0.0342 | 0.2303 | 0.3648 | 0.1010 | 0.9168 | 0.0259 | 0.2229 | 0.9433 | 0.0864 | 0.5503 | 0.0736 | 0.6538 | 0.4627 | 0.6473 | 0.2548 | 0.0571 |
| 50 | 0.5978 | 0.5914 | 0.5210 | 0.2474 | 0.7589 | 0.4715 | 0.9110 | 0.4563 | 0.0683 | 0.6866 | 0.5904 | 0.8100 | 0.7730 | 0.0444 | 0.9705 | 0.4684 | 0.0355 | 0.8252 | 0.8726 |
| 51 | 0.1507 | 0.5050 | 0.8412 | 0.5442 | 0.9337 | 0.3083 | 0.2678 | 0.2192 | 0.4834 | 0.3795 | 0.2545 | 0.6225 | 0.9562 | 0.4044 | 0.9703 | 0.7922 | 0.7734 | 0.0826 | 0.6793 |
| 52 | 0.7444 | 0.1974 | 0.4130 | 0.9534 | 0.8193 | 0.6766 | 0.0721 | 0.1843 | 0.2768 | 0.9736 | 0.6901 | 0.1637 | 0.8466 | 0.4486 | 0.8162 | 0.9904 | 0.8543 | 0.8094 | 0.2807 |
| 53 | 0.0126 | 0.1474 | 0.2118 | 0.5638 | 0.5273 | 0.9977 | 0.4820 | 0.6939 | 0.2728 | 0.6969 | 0.5186 | 0.3981 | 0.1775 | 0.3026 | 0.0356 | 0.1488 | 0.2636 | 0.6749 | 0.1999 |
| 54 | 0.5605 | 0.6620 | 0.8266 | 0.5841 | 0.4267 | 0.5307 | 0.3407 | 0.5876 | 0.4166 | 0.1043 | 0.4364 | 0.8745 | 0.2539 | 0.6413 | 0.2203 | 0.2761 | 0.9887 | 0.9783 | 0.1786 |
| 55 | 0.0937 | 0.8387 | 0.6747 | 0.7612 | 0.5783 | 0.2466 | 0.9294 | 0.1136 | 0.2364 | 0.2740 | 0.9443 | 0.4366 | 0.3653 | 0.1492 | 0.6274 | 0.9394 | 0.4957 | 0.8779 | 0.3501 |
| 56 | 0.5380 | 0.6102 | 0.7370 | 0.5890 | 0.2758 | 0.7223 | 0.3554 | 0.5742 | 0.0658 | 0.9992 | 0.9606 | 0.7717 | 0.3238 | 0.3650 | 0.8063 | 0.8832 | 0.3056 | 0.2085 | 0.8704 |
| 57 | 0.7027 | 0.9635 | 0.6633 | 0.4997 | 0.7711 | 0.8226 | 0.5463 | 0.2822 | 0.9240 | 0.6397 | 0.7549 | 0.7460 | 0.8380 | 0.7949 | 0.6438 | 0.5340 | 0.9464 | 0.1370 | 0.0751 |
| 58 | 0.3282 | 0.5104 | 0.0391 | 0.5707 | 0.3488 | 0.6893 | 0.2000 | 0.5767 | 0.0868 | 0.0529 | 0.2923 | 0.6433 | 0.9890 | 0.1780 | 0.8631 | 0.5090 | 0.0115 | 0.6294 | 0.8167 |
| 59 | 0.6948 | 0.2944 | 0.1715 | 0.0158 | 0.0622 | 0.7561 | 0.6808 | 0.4140 | 0.8114 | 0.3863 | 0.9609 | 0.9397 | 0.5282 | 0.5744 | 0.4601 | 0.3683 | 0.8917 | 0.9717 | 0.4765 |
| 60 | 0.3680 | 0.0120 | 0.7593 | 0.4348 | 0.1198 | 0.5772 | 0.5542 | 0.5356 | 0.4234 | 0.1514 | 0.1527 | 0.5877 | 0.1661 | 0.0861 | 0.2438 | 0.2999 | 0.2455 | 0.1598 | 0.0186 |
| 61 | 0.3666 | 0.4702 | 0.5449 | 0.9512 | 0.3968 | 0.6048 | 0.9625 | 0.5151 | 0.1109 | 0.7336 | 0.9627 | 0.6291 | 0.7782 | 0.2500 | 0.5361 | 0.3144 | 0.2936 | 0.5391 | 0.7337 |
| 62 | 0.4779 | 0.3843 | 0.3070 | 0.8244 | 0.2025 | 0.1873 | 0.7618 | 0.9541 | 0.0795 | 0.5357 | 0.9009 | 0.8630 | 0.1490 | 0.4371 | 0.9228 | 0.2547 | 0.2547 | 0.7648 | 0.6051 |
| 63 | 0.1569 | 0.4033 | 0.8388 | 0.1427 | 0.2234 | 0.0984 | 0.7973 | 0.4004 | 0.0137 | 0.8728 | 0.6952 | 0.2943 | 0.7041 | 0.4833 | 0.3485 | 0.9844 | 0.8756 | 0.3212 | 0.8539 |
| 64 | 0.9296 | 0.4026 | 0.3679 | 0.1983 | 0.6062 | 0.8032 | 0.7876 | 0.7873 | 0.7805 | 0.2171 | 0.4709 | 0.7495 | 0.3877 | 0.7607 | 0.9517 | 0.8392 | 0.9016 | 0.9220 | 0.6876 |
| 65 | 0.5129 | 0.2856 | 0.6878 | 0.1093 | 0.0917 | 0.8091 | 0.1132 | 0.6369 | 0.5430 | 0.4728 | 0.4405 | 0.7196 | 0.0438 | 0.3914 | 0.0066 | 0.3990 | 0.8635 | 0.4213 | 0.5562 |
| 66 | 0.6498 | 0.2866 | 0.8215 | 0.7569 | 0.8258 | 0.6713 | 0.7454 | 0.2531 | 0.5081 | 0.0485 | 0.8473 | 0.7222 | 0.9314 | 0.6954 | 0.4544 | 0.9367 | 0.3612 | 0.3774 | 0.9309 |
| 67 | 0.4401 | 0.6613 | 0.8031 | 0.9413 | 0.2343 | 0.6336 | 0.6982 | 0.9691 | 0.0470 | 0.3005 | 0.8168 | 0.3544 | 0.1872 | 0.7753 | 0.9101 | 0.7849 | 0.8465 | 0.4373 | 0.3699 |
| 68 | 0.5944 | 0.2501 | 0.9476 | 0.7253 | 0.8045 | 0.4499 | 0.6298 | 0.8618 | 0.1360 | 0.5653 | 0.0919 | 0.6385 | 0.1603 | 0.1194 | 0.4467 | 0.0178 | 0.4399 | 0.8087 | 0.0718 |
| 69 | 0.9048 | 0.3332 | 0.9516 | 0.0400 | 0.8240 | 0.1274 | 0.0778 | 0.1891 | 0.5864 | 0.4321 | 0.3758 | 0.7005 | 0.7005 | 0.9135 | 0.3221 | 0.2405 | 0.8734 | 0.9854 | 0.2052 |
| 70 | 0.4308 | 0.7707 | 0.7304 | 0.2390 | 0.2115 | 0.1442 | 0.3487 | 0.1340 | 0.3618 | 0.8733 | 0.0260 | 0.5575 | 0.3831 | 0.4248 | 0.6072 | 0.9599 | 0.1942 | 0.5332 | 0.0201 |
| 71 | 0.1392 | 0.5901 | 0.3090 | 0.5788 | 0.8175 | 0.8394 | 0.8911 | 0.8303 | 0.3097 | 0.1597 | 0.5262 | 0.9800 | 0.2061 | 0.9449 | 0.8316 | 0.0242 | 0.9563 | 0.5458 | 0.6672 |
| 72 | 0.5487 | 0.2821 | 0.4374 | 0.5410 | 0.7217 | 0.5819 | 0.2809 | 0.3042 | 0.0480 | 0.7861 | 0.6100 | 0.5351 | 0.2358 | 0.3726 | 0.2585 | 0.4065 | 0.1906 | 0.1325 | 0.3523 |
| 73 | 0.2947 | 0.4902 | 0.1557 | 0.4568 | 0.5087 | 0.5816 | 0.2711 | 0.8052 | 0.4062 | 0.9235 | 0.3254 | 0.7742 | 0.8556 | 0.0844 | 0.1230 | 0.6888 | 0.0923 | 0.9997 | 0.5276 |
| 74 | 0.7147 | 0.9137 | 0.5699 | 0.6089 | 0.5649 | 0.9588 | 0.4168 | 0.1416 | 0.3746 | 0.6560 | 0.2868 | 0.7185 | 0.3434 | 0.1388 | 0.4558 | 0.4022 | 0.4424 | 0.1169 | 0.0083 |
| 75 | 0.4926 | 0.3771 | 0.9265 | 0.6507 | 0.1613 | 0.7691 | 0.4678 | 0.3727 | 0.9567 | 0.8987 | 0.4252 | 0.0145 | 0.9876 | 0.7888 | 0.2779 | 0.8666 | 0.2150 | 0.3402 | 0.0018 |
| 76 | 0.4674 | 0.0198 | 0.5795 | 0.0649 | 0.8135 | 0.9230 | 0.7243 | 0.1768 | 0.8337 | 0.0237 | 0.9099 | 0.5271 | 0.4446 | 0.5688 | 0.6642 | 0.0709 | 0.7551 | 0.7175 | 0.7440 |
| 77 | 0.3293 | 0.1251 | 0.7933 | 0.6176 | 0.2683 | 0.5346 | 0.3693 | 0.5331 | 0.0181 | 0.2805 | 0.7397 | 0.9618 | 0.8447 | 0.1794 | 0.9602 | 0.9731 | 0.6823 | 0.0128 | 0.9258 |
| 78 | 0.0652 | 0.9838 | 0.4617 | 0.5622 | 0.8400 | 0.6345 | 0.6449 | 0.6037 | 0.1133 | 0.5418 | 0.7985 | 0.9017 | 0.2848 | 0.7521 | 0.3135 | 0.9613 | 0.3782 | 0.7488 | 0.6530 |
| 79 | 0.9192 | 0.1755 | 0.4934 | 0.9169 | 0.4889 | 0.8808 | 0.5973 | 0.8731 | 0.4021 | 0.7300 | 0.5868 | 0.5621 | 0.3228 | 0.1539 | 0.2982 | 0.6837 | 0.6909 | 0.6092 | 0.6800 |
| 80 | 0.3599 | 0.5328 | 0.1188 | 0.7354 | 0.3300 | 0.7343 | 0.1345 | 0.8282 | 0.4039 | 0.9426 | 0.6184 | 0.5593 | 0.2835 | 0.4028 | 0.4111 | 0.9351 | 0.5491 | 0.0146 | 0.6867 |
| 81 | 0.6161 | 0.1653 | 0.6206 | 0.2232 | 0.7515 | 0.5096 | 0.9421 | 0.4847 | 0.1702 | 0.9030 | 0.8130 | 0.5485 | 0.4105 | 0.2295 | 0.6566 | 0.8471 | 0.9508 | 0.0635 | 0.9882 |
| 82 | 0.5796 | 0.4016 | 0.0741 | 0.3600 | 0.2489 | 0.8673 | 0.2184 | 0.9103 | 0.8605 | 0.9399 | 0.1226 | 0.4040 | 0.2013 | 0.2796 | 0.1333 | 0.1339 | 0.8406 | 0.9892 | 0.3472 |
| 83 | 0.3215 | 0.8868 | 0.6038 | 0.8110 | 0.5565 | 0.4338 | 0.3352 | 0.6682 | 0.3576 | 0.5102 | 0.6706 | 0.3868 | 0.8377 | 0.5732 | 0.8735 | 0.8572 | 0.2213 | 0.2180 | 0.3427 |
| 84 | 0.5602 | 0.0173 | 0.3999 | 0.4352 | 0.7140 | 0.4794 | 0.2970 | 0.5664 | 0.3617 | 0.2694 | 0.1907 | 0.4170 | 0.0601 | 0.6798 | 0.5178 | 0.8021 | 0.1992 | 0.3019 | 0.6480 |
| 85 | 0.9372 | 0.6589 | 0.9282 | 0.2983 | 0.7088 | 0.4070 | 0.6947 | 0.2557 | 0.0570 | 0.8775 | 0.5808 | 0.4147 | 0.2382 | 0.2087 | 0.0738 | 0.7188 | 0.6080 | 0.0187 | 0.5629 |
| 86 | 0.3892 | 0.7718 | 0.7345 | 0.8721 | 0.5769 | 0.1898 | 0.5975 | 0.4881 | 0.7586 | 0.3839 | 0.0811 | 0.6715 | 0.9723 | 0.6164 | 0.2820 | 0.7682 | 0.9307 | 0.1217 | 0.8480 |
| 87 | 0.2065 | 0.0765 | 0.9466 | 0.0772 | 0.9158 | 0.6097 | 0.9762 | 0.3629 | 0.6987 | 0.9973 | 0.1265 | 0.6523 | 0.2669 | 0.2031 | 0.5006 | 0.7623 | 0.9954 | 0.9735 | 0.7704 |
| 88 | 0.7992 | 0.6325 | 0.6902 | 0.6895 | 0.5526 | 0.7721 | 0.4660 | 0.0517 | 0.4878 | 0.8039 | 0.2865 | 0.3418 | 0.7893 | 0.0839 | 0.2577 | 0.9895 | 0.0358 | 0.1233 | 0.6721 |
| 89 | 0.2340 | 0.3265 | 0.9096 | 0.3970 | 0.4952 | 0.7245 | 0.2177 | 0.3874 | 0.0989 | 0.4196 | 0.8886 | 0.3815 | 0.7037 | 0.9487 | 0.1102 | 0.7006 | 0.5581 | 0.7433 | 0.0071 |
| 90 | 0.3337 | 0.8152 | 0.1734 | 0.6126 | 0.4688 | 0.3318 | 0.7621 | 0.9503 | 0.6045 | 0.8306 | 0.9782 | 0.9869 | 0.4350 | 0.3698 | 0.4236 | 0.2106 | 0.5698 | 0.6103 | 0.2894 |
| 91 | 0.4703 | 0.9472 | 0.9548 | 0.9946 | 0.7408 | 0.3305 | 0.0816 | 0.5943 | 0.2962 | 0.8129 | 0.8989 | 0.9750 | 0.4470 | 0.1229 | 0.1433 | 0.3665 | 0.9938 | 0.6666 | 0.5107 |
| 92 | 0.8669 | 0.8504 | 0.0420 | 0.9482 | 0.7545 | 0.9114 | 0.9005 | 0.9224 | 0.3451 | 0.1089 | 0.9889 | 0.1810 | 0.7678 | 0.2699 | 0.6891 | 0.8180 | 0.2737 | 0.5592 | 0.8177 |
| 93 | 0.2346 | 0.3801 | 0.2650 | 0.7637 | 0.7842 | 0.1301 | 0.0703 | 0.3258 | 0.1058 | 0.3000 | 0.1422 | 0.6673 | 0.6535 | 0.9290 | 0.0274 | 0.9642 | 0.2479 | 0.3807 | 0.6894 |
| 94 | 0.2088 | 0.2786 | 0.3225 | 0.8361 | 0.2130 | 0.1551 | 0.6518 | 0.7365 | 0.7852 | 0.6064 | 0.7367 | 0.1382 | 0.6807 | 0.8698 | 0.4680 | 0.0903 | 0.8587 | 0.2714 | 0.5058 |
| 95 | 0.8481 | 0.6247 | 0.5632 | 0.6675 | 0.3809 | 0.5411 | 0.9183 | 0.4527 | 0.9331 | 0.7709 | 0.8947 | 0.4610 | 0.6783 | 0.2274 | 0.9252 | 0.3926 | 0.4410 | 0.8749 | 0.0946 |



TABLE 1 Continued

| | | | | | | | | | | | | | | | | | | | | |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 96 | 0.5504 | 0.3395 | 0.4908 | 0.5972 | 0.7803 | 0.8684 | 0.9487 | 0.5187 | 0.4900 | 0.6371 | 0.7024 | 0.3064 | 0.5083 | 0.0871 | 0.5272 | 0.4226 | 0.4925 | 0.2143 | 0.8181 | 0.4355 |
| 97 | 0.5011 | 0.9713 | 0.0759 | 0.3213 | 0.5479 | 0.0286 | 0.9488 | 0.0961 | 0.4072 | 0.4431 | 0.2600 | 0.2112 | 0.8159 | 0.4557 | 0.6106 | 0.1875 | 0.8278 | 0.0343 | 0.6772 | 0.0472 |
| 98 | 0.3330 | 0.3833 | 0.3011 | 0.3025 | 0.8370 | 0.3833 | 0.9858 | 0.3856 | 0.7198 | 0.8616 | 0.6886 | 0.3478 | 0.4228 | 0.9794 | 0.8507 | 0.9031 | 0.3429 | 0.4037 | 0.8527 | 0.1752 |
| 99 | 0.5283 | 0.6328 | 0.6261 | 0.0374 | 0.2622 | 0.2679 | 0.5403 | 0.5261 | 0.6574 | 0.7889 | 0.9112 | 0.6007 | 0.7442 | 0.8965 | 0.1240 | 0.1341 | 0.9045 | 0.9915 | 0.3114 | 0.5756 |
| 100 | 0.1383 | 0.2684 | 0.8603 | 0.8311 | 0.0448 | 0.1927 | 0.7452 | 0.3259 | 0.1688 | 0.4119 | 0.7062 | 0.0524 | 0.4555 | 0.3955 | 0.9094 | 0.4504 | 0.4275 | 0.6933 | 0.4719 | 0.6156 |
| | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 1 | 0.4032 | 0.4317 | 0.5014 | 0.0457 | 0.1686 | 0.5467 | 0.1120 | 0.7830 | 0.8776 | 0.3841 | 0.0056 | 0.9343 | 0.8078 | 0.7761 | 0.7501 | 0.8744 | 0.6352 | 0.7163 | 0.6262 | 0.0904 |
| 2 | 0.4390 | 0.7072 | 0.8041 | 0.0212 | 0.2193 | 0.6384 | 0.1195 | 0.2257 | 0.9806 | 0.0122 | 0.6527 | 0.7766 | 0.3433 | 0.5381 | 0.1840 | 0.6884 | 0.6135 | 0.9519 | 0.5728 | 0.7015 |
| 3 | 0.0818 | 0.0315 | 0.8113 | 0.1197 | 0.2139 | 0.3833 | 0.6311 | 0.9797 | 0.5199 | 0.6258 | 0.8733 | 0.3156 | 0.8023 | 0.1036 | 0.8544 | 0.3203 | 0.0027 | 0.6928 | 0.6254 | 0.2959 |
| 4 | 0.1947 | 0.8558 | 0.1970 | 0.0629 | 0.2574 | 0.5385 | 0.4208 | 0.2080 | 0.4950 | 0.6278 | 0.8632 | 0.3817 | 0.1175 | 0.6310 | 0.5926 | 0.7240 | 0.7240 | 0.2243 | 0.9458 | 0.0222 |
| 5 | 0.1248 | 0.6276 | 0.1007 | 0.3949 | 0.6423 | 0.9369 | 0.8990 | 0.3603 | 0.1130 | 0.8708 | 0.1985 | 0.6505 | 0.7961 | 0.4665 | 0.1796 | 0.5279 | 0.3428 | 0.3967 | 0.3930 | 0.8946 |
| 6 | 0.1529 | 0.2969 | 0.6870 | 0.0275 | 0.8232 | 0.4281 | 0.6253 | 0.2908 | 0.0782 | 0.8077 | 0.3111 | 0.9679 | 0.5846 | 0.5322 | 0.4207 | 0.9047 | 0.0129 | 0.5527 | 0.0266 | 0.2568 |
| 7 | 0.3696 | 0.8613 | 0.9755 | 0.3533 | 0.4291 | 0.8383 | 0.8856 | 0.3622 | 0.7173 | 0.0320 | 0.0244 | 0.3604 | 0.1330 | 0.7560 | 0.8931 | 0.4479 | 0.8716 | 0.8221 | 0.7968 | 0.8446 |
| 8 | 0.6323 | 0.7710 | 0.4935 | 0.0235 | 0.0012 | 0.2665 | 0.1320 | 0.1581 | 0.2221 | 0.5604 | 0.7890 | 0.0846 | 0.7907 | 0.2483 | 0.0250 | 0.9591 | 0.3514 | 0.5500 | 0.4439 | 0.4102 |
| 9 | 0.2744 | 0.9018 | 0.9544 | 0.4817 | 0.8815 | 0.9585 | 0.3034 | 0.8083 | 0.0663 | 0.8612 | 0.6500 | 0.6158 | 0.7492 | 0.0532 | 0.3315 | 0.4517 | 0.0745 | 0.4435 | 0.1570 | 0.3997 |
| 10 | 0.0870 | 0.5560 | 0.8242 | 0.8141 | 0.4341 | 0.6577 | 0.2725 | 0.7486 | 0.7921 | 0.3865 | 0.2874 | 0.1738 | 0.1738 | 0.2961 | 0.9608 | 0.0684 | 0.8070 | 0.8262 | 0.2044 | 0.4159 |
| 11 | 0.3531 | 0.6654 | 0.0322 | 0.4803 | 0.9119 | 0.8124 | 0.8118 | 0.8450 | 0.6399 | 0.9193 | 0.4758 | 0.0830 | 0.0209 | 0.0938 | 0.0566 | 0.9242 | 0.9547 | 0.5785 | 0.5641 | 0.7603 |
| 12 | 0.5535 | 0.0732 | 0.0837 | 0.1736 | 0.3167 | 0.6851 | 0.8531 | 0.7212 | 0.1578 | 0.6737 | 0.4388 | 0.9864 | 0.6166 | 0.7713 | 0.2656 | 0.5284 | 0.9994 | 0.7788 | 0.3755 | 0.0270 |
| 13 | 0.0511 | 0.8869 | 0.2165 | 0.9620 | 0.7303 | 0.8778 | 0.6041 | 0.0013 | 0.4445 | 0.7966 | 0.0588 | 0.7758 | 0.9999 | 0.7727 | 0.3243 | 0.9857 | 0.5205 | 0.3754 | 0.2602 | 0.6855 |
| 14 | 0.9936 | 0.9937 | 0.3757 | 0.0804 | 0.6011 | 0.1544 | 0.1862 | 0.3084 | 0.4582 | 0.5755 | 0.4668 | 0.8810 | 0.4916 | 0.8495 | 0.5026 | 0.9600 | 0.6932 | 0.7305 | 0.5082 | 0.7963 |
| 15 | 0.5111 | 0.5606 | 0.6661 | 0.4822 | 0.0382 | 0.1129 | 0.4069 | 0.2616 | 0.1626 | 0.3340 | 0.7017 | 0.5916 | 0.7107 | 0.3506 | 0.0692 | 0.9675 | 0.3950 | 0.4629 | 0.8457 | 0.3864 |
| 16 | 0.5170 | 0.4137 | 0.5241 | 0.3687 | 0.0461 | 0.2090 | 0.9963 | 0.6022 | 0.7058 | 0.5408 | 0.2832 | 0.8861 | 0.5468 | 0.6065 | 0.7994 | 0.5520 | 0.6784 | 0.3162 | 0.5776 | 0.4607 |
| 17 | 0.7162 | 0.7211 | 0.3829 | 0.1011 | 0.4941 | 0.8419 | 0.3845 | 0.2639 | 0.2845 | 0.8169 | 0.4938 | 0.7826 | 0.6641 | 0.9902 | 0.0540 | 0.3522 | 0.7786 | 0.3249 | 0.3249 | 0.4098 |
| 18 | 0.6906 | 0.5291 | 0.4232 | 0.5618 | 0.1201 | 0.3108 | 0.1820 | 0.6419 | 0.6096 | 0.3941 | 0.8703 | 0.1108 | 0.4186 | 0.8801 | 0.9614 | 0.5711 | 0.3729 | 0.1642 | 0.1623 | 0.6400 |
| 19 | 0.1795 | 0.9497 | 0.4279 | 0.4937 | 0.1215 | 0.1446 | 0.3175 | 0.8212 | 0.2745 | 0.4897 | 0.1520 | 0.6287 | 0.6475 | 0.9411 | 0.8351 | 0.4521 | 0.4530 | 0.7675 | 0.8770 | 0.2050 |
| 20 | 0.6329 | 0.0149 | 0.2117 | 0.5415 | 0.5398 | 0.4041 | 0.4784 | 0.4287 | 0.0998 | 0.0062 | 0.6914 | 0.9561 | 0.7292 | 0.3132 | 0.3796 | 0.5874 | 0.0084 | 0.9870 | 0.0124 | 0.2922 |
| 21 | 0.3879 | 0.8954 | 0.3051 | 0.1453 | 0.8305 | 0.9658 | 0.6757 | 0.1835 | 0.0640 | 0.7774 | 0.9366 | 0.3082 | 0.9957 | 0.5176 | 0.2383 | 0.2116 | 0.5016 | 0.2603 | 0.3180 | 0.2950 |
| 22 | 0.6307 | 0.3722 | 0.4973 | 0.1390 | 0.0631 | 0.6468 | 0.0236 | 0.7142 | 0.6375 | 0.2472 | 0.1379 | 0.9490 | 0.5861 | 0.9531 | 0.5748 | 0.3657 | 0.0754 | 0.7787 | 0.2708 | 0.5323 |
| 23 | 0.1122 | 0.1361 | 0.4686 | 0.8273 | 0.4289 | 0.7509 | 0.0673 | 0.0929 | 0.0217 | 0.5347 | 0.8884 | 0.2819 | 0.8829 | 0.5935 | 0.6814 | 0.0445 | 0.3309 | 0.6938 | 0.5393 | 0.5977 |
| 24 | 0.8048 | 0.1365 | 0.5080 | 0.7480 | 0.1517 | 0.2677 | 0.3511 | 0.8836 | 0.8367 | 0.9527 | 0.2666 | 0.5609 | 0.9855 | 0.0977 | 0.4747 | 0.6899 | 0.5268 | 0.6944 | 0.8604 | 0.0975 |
| 25 | 0.6537 | 0.7856 | 0.4690 | 0.4690 | 0.2362 | 0.8127 | 0.2670 | 0.7451 | 0.2561 | 0.8517 | 0.3189 | 0.2482 | 0.7094 | 0.6313 | 0.3721 | 0.9824 | 0.4217 | 0.2937 | 0.0118 | 0.0380 |
| 26 | 0.9353 | 0.8393 | 0.8171 | 0.3127 | 0.5063 | 0.8849 | 0.9149 | 0.4416 | 0.1561 | 0.3889 | 0.7368 | 0.7089 | 0.2712 | 0.1498 | 0.4714 | 0.9293 | 0.5569 | 0.2596 | 0.1288 | 0.8960 |
| 27 | 0.9400 | 0.2036 | 0.5127 | 0.6694 | 0.4093 | 0.0667 | 0.8332 | 0.0969 | 0.7207 | 0.8182 | 0.4460 | 0.6539 | 0.1400 | 0.4634 | 0.8827 | 0.2551 | 0.2661 | 0.9078 | 0.8573 | 0.1192 |
| 28 | 0.2239 | 0.4029 | 0.3063 | 0.4398 | 0.7552 | 0.2757 | 0.2926 | 0.1656 | 0.4827 | 0.4384 | 0.9593 | 0.8218 | 0.0005 | 0.7715 | 0.4100 | 0.4190 | 0.7591 | 0.6785 | 0.5402 | 0.2570 |
| 29 | 0.2876 | 0.9702 | 0.9232 | 0.4473 | 0.7585 | 0.0533 | 0.3639 | 0.1608 | 0.5327 | 0.6304 | 0.0715 | 0.6877 | 0.4894 | 0.3257 | 0.2853 | 0.6597 | 0.1596 | 0.0289 | 0.8314 | 0.0384 |
| 30 | 0.0227 | 0.6122 | 0.3334 | 0.9033 | 0.4106 | 0.1189 | 0.3207 | 0.0103 | 0.3849 | 0.0636 | 0.8319 | 0.7542 | 0.3109 | 0.4716 | 0.7307 | 0.7821 | 0.8267 | 0.0790 | 0.2227 | 0.7906 |
| 31 | 0.6717 | 0.4566 | 0.2084 | 0.0065 | 0.5738 | 0.1802 | 0.0117 | 0.9153 | 0.6812 | 0.5234 | 0.4880 | 0.5455 | 0.2228 | 0.7150 | 0.0078 | 0.6183 | 0.6207 | 0.6975 | 0.8321 | 0.9155 |
| 32 | 0.2266 | 0.1962 | 0.4700 | 0.8862 | 0.5265 | 0.6862 | 0.6008 | 0.7971 | 0.5203 | 0.5042 | 0.7600 | 0.0522 | 0.7091 | 0.2842 | 0.0319 | 0.3014 | 0.6120 | 0.6599 | 0.7167 | 0.1202 |
| 33 | 0.9701 | 0.6054 | 0.3389 | 0.1003 | 0.9371 | 0.9873 | 0.3569 | 0.3707 | 0.7032 | 0.0607 | 0.6004 | 0.9766 | 0.8923 | 0.0656 | 0.4578 | 0.1785 | 0.7679 | 0.8126 | 0.7093 | 0.0197 |
| 34 | 0.7918 | 0.8516 | 0.5097 | 0.9952 | 0.0521 | 0.8701 | 0.9980 | 0.3959 | 0.3884 | 0.1472 | 0.0907 | 0.6432 | 0.2980 | 0.8320 | 0.9818 | 0.0432 | 0.2885 | 0.6705 | 0.0396 | 0.6610 |
| 35 | 0.9393 | 0.4509 | 0.4913 | 0.4492 | 0.6892 | 0.3479 | 0.4775 | 0.2395 | 0.9688 | 0.7417 | 0.5616 | 0.4407 | 0.3092 | 0.2399 | 0.4183 | 0.0793 | 0.2173 | 0.5495 | 0.4345 | 0.7998 |
| 36 | 0.8219 | 0.2727 | 0.3934 | 0.6346 | 0.4340 | 0.7053 | 0.1407 | 0.8595 | 0.9318 | 0.7281 | 0.2686 | 0.2663 | 0.2738 | 0.1017 | 0.0643 | 0.8061 | 0.9374 | 0.6875 | 0.0131 | 0.0405 |
| 37 | 0.6559 | 0.4027 | 0.7634 | 0.1451 | 0.3670 | 0.6286 | 0.7511 | 0.3060 | 0.5211 | 0.1018 | 0.1377 | 0.1186 | 0.7478 | 0.5372 | 0.3119 | 0.4400 | 0.8366 | 0.9340 | 0.7908 | 0.3567 |
| 38 | 0.3882 | 0.4816 | 0.5613 | 0.3277 | 0.0584 | 0.7067 | 0.3786 | 0.7016 | 0.6198 | 0.7428 | 0.4598 | 0.9161 | 0.5270 | 0.5028 | 0.3269 | 0.8853 | 0.5043 | 0.0353 | 0.2536 | 0.9726 |
| 39 | 0.6865 | 0.5929 | 0.2014 | 0.4038 | 0.8234 | 0.5155 | 0.6427 | 0.1415 | 0.9506 | 0.7674 | 0.1044 | 0.1156 | 0.1486 | 0.0699 | 0.1919 | 0.4507 | 0.4507 | 0.3152 | 0.7726 | 0.1055 |
| 40 | 0.3980 | 0.8975 | 0.7476 | 0.7936 | 0.7941 | 0.3924 | 0.2102 | 0.2098 | 0.5498 | 0.7827 | 0.2385 | 0.5623 | 0.3768 | 0.8885 | 0.5660 | 0.0927 | 0.1878 | 0.0050 | 0.4181 | 0.0413 |
| 41 | 0.5157 | 0.2668 | 0.5693 | 0.0309 | 0.6246 | 0.7859 | 0.6927 | 0.9676 | 0.5954 | 0.3224 | 0.4580 | 0.1928 | 0.6716 | 0.5335 | 0.6360 | 0.4625 | 0.6069 | 0.7174 | 0.4476 | 0.0327 |
| 42 | 0.3790 | 0.4076 | 0.8277 | 0.6199 | 0.2223 | 0.3498 | 0.0442 | 0.5037 | 0.3043 | 0.0359 | 0.1629 | 0.4903 | 0.1357 | 0.3394 | 0.5525 | 0.7708 | 0.9525 | 0.3632 | 0.3101 | 0.3248 |



TABLE 1 Continued

| | | | | | | | | | | | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 43 | 0.7620 | 0.9737 | 0.7215 | 0.0596 | 0.4211 | 0.3643 | 0.4587 | 0.6826 | 0.4991 | 0.0965 | 0.4314 | 0.5094 | 0.2949 | 0.1478 | 0.8760 | 0.1311 | 0.9831 | 0.9791 | 0.6405 | 0.9681 |
| 44 | 0.1825 | 0.9300 | 0.4214 | 0.0843 | 0.4626 | 0.9154 | 0.5221 | 0.4346 | 0.2733 | 0.9212 | 0.9498 | 0.1730 | 0.8363 | 0.4360 | 0.2350 | 0.8295 | 0.3343 | 0.4113 | 0.1149 | 0.2985 |
| 45 | 0.0789 | 0.9961 | 0.5826 | 0.7863 | 0.8034 | 0.9480 | 0.0690 | 0.9538 | 0.5933 | 0.2645 | 0.3886 | 0.3341 | 0.3715 | 0.8093 | 0.2429 | 0.8376 | 0.9558 | 0.8564 | 0.9485 | 0.6698 |
| 46 | 0.5355 | 0.5392 | 0.7265 | 0.3820 | 0.6130 | 0.3130 | 0.4174 | 0.7168 | 0.6565 | 0.4015 | 0.9793 | 0.9406 | 0.0073 | 0.4391 | 0.4581 | 0.3836 | 0.7686 | 0.7870 | 0.9590 | 0.7806 |
| 47 | 0.4515 | 0.1126 | 0.5065 | 0.2270 | 0.7071 | 0.1665 | 0.1565 | 0.7043 | 0.7134 | 0.4946 | 0.0893 | 0.0092 | 0.2689 | 0.4382 | 0.7277 | 0.9629 | 0.2824 | 0.8513 | 0.7769 | 0.1258 |
| 48 | 0.5054 | 0.9179 | 0.6087 | 0.1807 | 0.3794 | 0.0030 | 0.7508 | 0.3936 | 0.1563 | 0.4761 | 0.1826 | 0.8015 | 0.1949 | 0.8074 | 0.6656 | 0.1205 | 0.5441 | 0.8705 | 0.6483 | 0.9195 |
| 49 | 0.4075 | 0.0393 | 0.6079 | 0.1812 | 0.6114 | 0.6178 | 0.7278 | 0.7481 | 0.1155 | 0.4377 | 0.2685 | 0.6725 | 0.2245 | 0.4343 | 0.9928 | 0.1280 | 0.4440 | 0.9696 | 0.5510 | 0.3452 |
| 50 | 0.9781 | 0.5989 | 0.6904 | 0.2376 | 0.1312 | 0.6301 | 0.4422 | 0.5215 | 0.1062 | 0.8904 | 0.3118 | 0.9440 | 0.7378 | 0.2314 | 0.3102 | 0.5067 | 0.3840 | 0.5004 | 0.0867 | 0.2220 |
| 51 | 0.4970 | 0.0686 | 0.6734 | 0.2707 | 0.9511 | 0.9828 | 0.4839 | 0.6150 | 0.4910 | 0.7407 | 0.0959 | 0.1374 | 0.9827 | 0.2510 | 0.4962 | 0.2004 | 0.6424 | 0.5494 | 0.6060 | 0.8185 |
| 52 | 0.0866 | 0.8830 | 0.9509 | 0.6601 | 0.9086 | 0.7602 | 0.2284 | 0.8046 | 0.3951 | 0.8299 | 0.9771 | 0.5376 | 0.1586 | 0.6513 | 0.5118 | 0.9965 | 0.9747 | 0.3039 | 0.4286 | 0.9060 |
| 53 | 0.2998 | 0.2033 | 0.9361 | 0.7179 | 0.6801 | 0.7087 | 0.4107 | 0.4785 | 0.0338 | 0.3944 | 0.2074 | 0.3688 | 0.0932 | 0.7095 | 0.1060 | 0.3527 | 0.4068 | 0.0681 | 0.9573 | 0.4567 |
| 54 | 0.9995 | 0.2579 | 0.1449 | 0.4519 | 0.5341 | 0.5400 | 0.0305 | 0.0993 | 0.3375 | 0.4858 | 0.0767 | 0.3548 | 0.5135 | 0.4890 | 0.2041 | 0.1236 | 0.4738 | 0.6751 | 0.2973 | 0.2453 |
| 55 | 0.2875 | 0.8239 | 0.9550 | 0.8685 | 0.7366 | 0.4929 | 0.6508 | 0.4575 | 0.4306 | 0.7530 | 0.6271 | 0.2624 | 0.8766 | 0.2144 | 0.7752 | 0.2664 | 0.5227 | 0.3475 | 0.6454 | 0.6027 |
| 56 | 0.7744 | 0.8738 | 0.6410 | 0.2766 | 0.4167 | 0.7447 | 0.4421 | 0.8200 | 0.0911 | 0.1918 | 0.7919 | 0.3923 | 0.6995 | 0.4841 | 0.8088 | 0.9671 | 0.5252 | 0.7098 | 0.0773 | 0.3515 |
| 57 | 0.2190 | 0.9507 | 0.7369 | 0.7069 | 0.8026 | 0.5224 | 0.5936 | 0.6252 | 0.2430 | 0.7295 | 0.5426 | 0.8208 | 0.7099 | 0.5528 | 0.9950 | 0.6529 | 0.3536 | 0.8496 | 0.5964 | 0.6991 |
| 58 | 0.3572 | 0.0386 | 0.0604 | 0.5086 | 0.1137 | 0.2813 | 0.7213 | 0.4052 | 0.6885 | 0.7022 | 0.6949 | 0.9898 | 0.3532 | 0.8499 | 0.7351 | 0.9008 | 0.7007 | 0.2759 | 0.5137 | 0.5457 |
| 59 | 0.4203 | 0.2039 | 0.6619 | 0.6296 | 0.6964 | 0.5694 | 0.3744 | 0.4801 | 0.6115 | 0.2319 | 0.3233 | 0.4104 | 0.9883 | 0.3962 | 0.6002 | 0.3421 | 0.9004 | 0.1978 | 0.7164 | 0.2006 |
| 60 | 0.3852 | 0.8575 | 0.3656 | 0.1719 | 0.9084 | 0.1519 | 0.5746 | 0.8501 | 0.7047 | 0.0968 | 0.0052 | 0.2592 | 0.5568 | 0.2110 | 0.4898 | 0.1143 | 0.4169 | 0.8942 | 0.0465 | 0.5638 |
| 61 | 0.8188 | 0.8797 | 0.2189 | 0.7505 | 0.4091 | 0.0746 | 0.9380 | 0.4851 | 0.6324 | 0.1161 | 0.9039 | 0.5174 | 0.2005 | 0.4795 | 0.9108 | 0.6239 | 0.8096 | 0.4277 | 0.4493 | 0.9989 |
| 62 | 0.2222 | 0.2611 | 0.6572 | 0.8338 | 0.1860 | 0.5882 | 0.9201 | 0.8918 | 0.8173 | 0.5117 | 0.1740 | 0.6907 | 0.6259 | 0.1228 | 0.3093 | 0.1228 | 0.4588 | 0.6900 | 0.4297 | 0.5706 |
| 63 | 0.8915 | 0.0972 | 0.4237 | 0.7628 | 0.9373 | 0.3372 | 0.5366 | 0.7375 | 0.7250 | 0.0505 | 0.7794 | 0.6088 | 0.5326 | 0.9316 | 0.4153 | 0.0761 | 0.3446 | 0.2628 | 0.1542 | 0.2263 |
| 64 | 0.3538 | 0.2774 | 0.2357 | 0.0924 | 0.9106 | 0.6775 | 0.7431 | 0.0363 | 0.2660 | 0.8256 | 0.0942 | 0.1207 | 0.9883 | 0.7775 | 0.7103 | 0.8784 | 0.9515 | 0.5645 | 0.5844 | 0.7385 |
| 65 | 0.2530 | 0.2402 | 0.0294 | 0.2248 | 0.5812 | 0.6073 | 0.1290 | 0.2662 | 0.4448 | 0.5572 | 0.5474 | 0.1756 | 0.9499 | 0.2062 | 0.0147 | 0.3122 | 0.5998 | 0.7324 | 0.2100 | 0.8565 |
| 66 | 0.4071 | 0.4842 | 0.8629 | 0.1376 | 0.5034 | 0.6827 | 0.1170 | 0.6243 | 0.3775 | 0.7851 | 0.8008 | 0.8080 | 0.6733 | 0.0530 | 0.1037 | 0.6648 | 0.7386 | 0.4086 | 0.2452 | 0.6205 |
| 67 | 0.8345 | 0.4537 | 0.3540 | 0.2538 | 0.3255 | 0.7046 | 0.6524 | 0.0954 | 0.6137 | 0.6245 | 0.2461 | 0.8730 | 0.1787 | 0.0879 | 0.7318 | 0.8092 | 0.2877 | 0.3227 | 0.4243 | 0.2361 |
| 68 | 0.5757 | 0.2145 | 0.9082 | 0.7564 | 0.0278 | 0.4141 | 0.7810 | 0.7118 | 0.0021 | 0.3626 | 0.9811 | 0.1441 | 0.1006 | 0.9171 | 0.5040 | 0.6001 | 0.0550 | 0.8949 | 0.4336 | 0.6302 |
| 69 | 0.4771 | 0.4272 | 0.5959 | 0.4767 | 0.4256 | 0.4142 | 0.1177 | 0.8357 | 0.5324 | 0.3672 | 0.6739 | 0.9933 | 0.8620 | 0.5986 | 0.7340 | 0.5626 | 0.2166 | 0.6138 | 0.8030 | 0.6250 |
| 70 | 0.8720 | 0.8696 | 0.1655 | 0.5784 | 0.6499 | 0.2746 | 0.9633 | 0.7313 | 0.0447 | 0.4912 | 0.1945 | 0.6848 | 0.6125 | 0.8523 | 0.0498 | 0.2335 | 0.2610 | 0.2022 | 0.3245 | 0.6773 |
| 71 | 0.1957 | 0.5619 | 0.9611 | 0.4220 | 0.4593 | 0.2400 | 0.7886 | 0.6671 | 0.8284 | 0.1475 | 0.0199 | 0.5886 | 0.4552 | 0.6989 | 0.3149 | 0.7790 | 0.4545 | 0.9012 | 0.6490 | 0.4696 |
| 72 | 0.1244 | 0.4777 | 0.4444 | 0.5191 | 0.6314 | 0.3918 | 0.9981 | 0.9052 | 0.7269 | 0.2810 | 0.9942 | 0.7306 | 0.4212 | 0.5659 | 0.8584 | 0.7257 | 0.4090 | 0.9278 | 0.6924 | 0.3486 |
| 73 | 0.9978 | 0.8888 | 0.7930 | 0.9129 | 0.9218 | 0.2553 | 0.8241 | 0.1813 | 0.1509 | 0.8843 | 0.0379 | 0.8346 | 0.6085 | 0.2032 | 0.0089 | 0.5450 | 0.9699 | 0.0219 | 0.7063 | 0.4879 |
| 74 | 0.3960 | 0.8718 | 0.6388 | 0.9467 | 0.2216 | 0.0189 | 0.2101 | 0.9448 | 0.4278 | 0.2353 | 0.0805 | 0.3225 | 0.9830 | 0.8017 | 0.9335 | 0.7003 | 0.8691 | 0.2089 | 0.5650 | 0.3410 |
| 75 | 0.9877 | 0.0702 | 0.6532 | 0.4654 | 0.5212 | 0.6401 | 0.2838 | 0.4423 | 0.5781 | 0.9984 | 0.4619 | 0.9587 | 0.5172 | 0.7647 | 0.3416 | 0.0337 | 0.4862 | 0.4292 | 0.3100 | 0.3415 |
| 76 | 0.4955 | 0.2659 | 0.6638 | 0.9102 | 0.3825 | 0.9140 | 0.3008 | 0.7999 | 0.2164 | 0.4311 | 0.4059 | 0.5168 | 0.0921 | 0.7023 | 0.6593 | 0.3229 | 0.5294 | 0.6957 | 0.1051 | 0.0567 |
| 77 | 0.5263 | 0.6958 | 0.1386 | 0.0884 | 0.4542 | 0.5719 | 0.7810 | 0.7703 | 0.2511 | 0.4953 | 0.7763 | 0.0755 | 0.3383 | 0.6351 | 0.1513 | 0.6308 | 0.2755 | 0.1989 | 0.7807 | 0.2183 |
| 78 | 0.5486 | 0.6437 | 0.4412 | 0.8138 | 0.5802 | 0.5981 | 0.1762 | 0.2104 | 0.7877 | 0.0175 | 0.9384 | 0.3908 | 0.1652 | 0.7665 | 0.6003 | 0.9996 | 0.6376 | 0.7347 | 0.7778 | 0.5507 |
| 79 | 0.7076 | 0.1880 | 0.3095 | 0.5585 | 0.8156 | 0.0739 | 0.7057 | 0.8670 | 0.3813 | 0.3173 | 0.4867 | 0.6019 | 0.0328 | 0.0626 | 0.4628 | 0.9878 | 0.0402 | 0.8847 | 0.0822 | 0.8101 |
| 80 | 0.2996 | 0.9323 | 0.5580 | 0.5019 | 0.0231 | 0.8889 | 0.9759 | 0.6771 | 0.4602 | 0.2621 | 0.4524 | 0.3954 | 0.7846 | 0.1081 | 0.8848 | 0.1700 | 0.7082 | 0.5995 | 0.5743 | 0.2742 |
| 81 | 0.2710 | 0.3076 | 0.3373 | 0.2992 | 0.8715 | 0.2526 | 0.0088 | 0.3975 | 0.8709 | 0.4481 | 0.9014 | 0.2320 | 0.7510 | 0.3706 | 0.5928 | 0.2253 | 0.5360 | 0.2381 | 0.3676 | 0.0840 |
| 82 | 0.9692 | 0.9672 | 0.9785 | 0.8654 | 0.9020 | 0.6830 | 0.6108 | 0.3183 | 0.2955 | 0.3743 | 0.0428 | 0.0873 | 0.7829 | 0.2392 | 0.9543 | 0.4472 | 0.4743 | 0.5394 | 0.5483 | 0.9001 |
| 83 | 0.6541 | 0.7676 | 0.7261 | 0.7126 | 0.6880 | 0.9856 | 0.1634 | 0.0025 | 0.4759 | 0.3346 | 0.1689 | 0.7494 | 0.5237 | 0.1856 | 0.3077 | 0.8881 | 0.5305 | 0.3912 | 0.0136 | 0.4163 |
| 84 | 0.8533 | 0.6540 | 0.5828 | 0.1692 | 0.3374 | 0.2566 | 0.2952 | 0.8002 | 0.2966 | 0.4089 | 0.5827 | 0.3316 | 0.7833 | 0.9040 | 0.3387 | 0.8678 | 0.8880 | 0.6718 | 0.8748 | 0.6090 |
| 85 | 0.8301 | 0.1315 | 0.9776 | 0.5927 | 0.8122 | 0.9875 | 0.4964 | 0.0407 | 0.3400 | 0.4642 | 0.8935 | 0.4018 | 0.3974 | 0.4161 | 0.2262 | 0.8822 | 0.6363 | 0.4155 | 0.6052 | 0.3456 |
| 86 | 0.0423 | 0.6645 | 0.8791 | 0.8341 | 0.9551 | 0.1443 | 0.8016 | 0.6368 | 0.9046 | 0.6221 | 0.9622 | 0.8214 | 0.7358 | 0.3577 | 0.2434 | 0.8497 | 0.1173 | 0.6016 | 0.1753 | 0.8440 |
| 87 | 0.2172 | 0.1965 | 0.3442 | 0.2903 | 0.7435 | 0.3235 | 0.7878 | 0.6357 | 0.3788 | 0.4695 | 0.6551 | 0.3780 | 0.6143 | 0.2373 | 0.4781 | 0.8713 | 0.7105 | 0.4689 | 0.7189 | 0.9925 |
| 88 | 0.7330 | 0.6962 | 0.9564 | 0.7404 | 0.7400 | 0.3999 | 0.9896 | 0.0909 | 0.7687 | 0.9486 | 0.2625 | 0.5673 | 0.5712 | 0.7159 | 0.3987 | 0.3199 | 0.8638 | 0.2051 | 0.9000 | 0.6803 |
| 89 | 0.3858 | 0.3398 | 0.0057 | 0.1153 | 0.4865 | 0.0478 | 0.5739 | 0.2207 | 0.1901 | 0.7822 | 0.4425 | 0.1850 | 0.8642 | 0.0210 | 0.1660 | 0.6519 | 0.0111 | 0.5166 | 0.7203 | 0.6872 |
| 90 | 0.4838 | 0.1272 | 0.8111 | 0.1764 | 0.9468 | 0.6974 | 0.0499 | 0.7532 | 0.9147 | 0.9532 | 0.8854 | 0.8399 | 0.2413 | 0.3961 | 0.2916 | 0.6845 | 0.3062 | 0.7255 | 0.9592 | 0.8488 |

TABLE 1 Continued

| | | | | | | | | | | | | | | | | | | | | |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 91 | 0.7322 | 0.5000 | 0.3806 | 0.3644 | 0.2113 | 0.3902 | 0.3978 | 0.5716 | 0.9275 | 0.3701 | 0.3274 | 0.1549 | 0.6609 | 0.2957 | 0.3897 | 0.8493 | 0.9805 | 0.5367 | 0.2187 | 0.2893 |
| 92 | 0.6281 | 0.7065 | 0.7353 | 0.6941 | 0.6354 | 0.9825 | 0.5583 | 0.1485 | 0.5175 | 0.7491 | 0.8679 | 0.3583 | 0.6290 | 0.0728 | 0.5814 | 0.0207 | 0.7613 | 0.1141 | 0.9822 | 0.4496 |
| 93 | 0.9029 | 0.7845 | 0.6488 | 0.9231 | 0.3890 | 0.7920 | 0.6035 | 0.6905 | 0.2467 | 0.3502 | 0.7698 | 0.1631 | 0.4603 | 0.1765 | 0.6614 | 0.9610 | 0.9167 | 0.3705 | 0.0689 | 0.5169 |
| 94 | 0.0821 | 0.8707 | 0.0427 | 0.6764 | 0.3660 | 0.4701 | 0.2053 | 0.6182 | 0.2831 | 0.9774 | 0.5460 | 0.7201 | 0.3131 | 0.3278 | 0.1148 | 0.8172 | 0.6874 | 0.3655 | 0.6128 | 0.6646 |
| 95 | 0.4330 | 0.3787 | 0.3163 | 0.4432 | 0.6718 | 0.4512 | 0.9210 | 0.6277 | 0.0682 | 0.5370 | 0.5798 | 0.2563 | 0.5239 | 0.5027 | 0.4548 | 0.7970 | 0.3590 | 0.5630 | 0.7479 | 0.3147 |
| 96 | 0.6786 | 0.1128 | 0.5480 | 0.3401 | 0.4451 | 0.3585 | 0.5770 | 0.4395 | 0.5824 | 0.9836 | 0.8334 | 0.4663 | 0.6616 | 0.9268 | 0.5579 | 0.0926 | 0.0293 | 0.6083 | 0.9650 | 0.0541 |
| 97 | 0.6769 | 0.8477 | 0.3126 | 0.2555 | 0.9176 | 0.6926 | 0.9884 | 0.2306 | 0.9346 | 0.0369 | 0.1111 | 0.2237 | 0.9546 | 0.0575 | 0.0484 | 0.1727 | 0.5119 | 0.8415 | 0.4644 | 0.4814 |
| 98 | 0.4917 | 0.8389 | 0.2963 | 0.3342 | 0.0104 | 0.9694 | 0.0114 | 0.7720 | 0.4202 | 0.5999 | 0.3430 | 0.1948 | 0.6342 | 0.8798 | 0.0546 | 0.8874 | 0.5235 | 0.7297 | 0.2836 | 0.0108 |
| 99 | 0.2803 | 0.7395 | 0.7598 | 0.2525 | 0.9576 | 0.6006 | 0.8924 | 0.9266 | 0.2355 | 0.0678 | 0.4488 | 0.6047 | 0.6285 | 0.4056 | 0.6912 | 0.5750 | 0.2366 | 0.5670 | 0.3244 | 0.8838 |
| 100 | 0.2289 | 0.7760 | 0.0180 | 0.7002 | 0.0806 | 0.6596 | 0.8104 | 0.2837 | 0.4968 | 0.0441 | 0.8907 | 0.4066 | 0.5966 | 0.7723 | 0.1822 | 0.4840 | 0.0001 | 0.4821 | 0.6144 | 0.9916 |
| 1 | 0.6241 | 0.5620 | 0.8967 | 0.2393 | 0.1313 | 0.7516 | 0.4120 | 0.1889 | 0.4108 | 0.5931 | 0.5101 | 0.8903 | 0.1026 | 0.3314 | 0.8313 | 0.8547 | 0.9217 | 0.5666 | 0.2055 | 0.4087 |
| 2 | 0.7770 | 0.6555 | 0.8809 | 0.9477 | 0.3306 | 0.8645 | 0.5092 | 0.1140 | 0.2752 | 0.1763 | 0.0610 | 0.6348 | 0.9841 | 0.0744 | 0.4198 | 0.8617 | 0.0671 | 0.0638 | 0.4731 | 0.9756 |
| 3 | 0.1256 | 0.9330 | 0.8461 | 0.5600 | 0.7219 | 0.9886 | 0.0515 | 0.9302 | 0.2026 | 0.9134 | 0.5339 | 0.3625 | 0.9410 | 0.2415 | 0.9188 | 0.0934 | 0.7169 | 0.9784 | 0.1913 | 0.6113 |
| 4 | 0.2001 | 0.0168 | 0.4084 | 0.6396 | 0.5396 | 0.3703 | 0.0153 | 0.1076 | 0.5046 | 0.9615 | 0.7059 | 0.0332 | 0.4614 | 0.2503 | 0.6618 | 0.4864 | 0.3054 | 0.2331 | 0.6590 | 0.9540 |
| 5 | 0.6194 | 0.5231 | 0.8763 | 0.0896 | 0.5088 | 0.6552 | 0.4417 | 0.0252 | 0.3682 | 0.1571 | 0.4790 | 0.0357 | 0.9874 | 0.0935 | 0.4259 | 0.5685 | 0.9026 | 0.0185 | 0.1264 | 0.5204 |
| 6 | 0.4537 | 0.3208 | 0.8825 | 0.7640 | 0.1460 | 0.4595 | 0.6012 | 0.5681 | 0.6316 | 0.0888 | 0.1864 | 0.5793 | 0.3182 | 0.4114 | 0.9882 | 0.8668 | 0.5764 | 0.4162 | 0.4329 | 0.2436 |
| 7 | 0.0017 | 0.5124 | 0.1447 | 0.4324 | 0.6127 | 0.3336 | 0.5544 | 0.0373 | 0.9249 | 0.0125 | 0.1712 | 0.9634 | 0.4449 | 0.5555 | 0.5550 | 0.1847 | 0.8011 | 0.6711 | 0.1049 | 0.3462 |
| 8 | 0.9328 | 0.7671 | 0.5749 | 0.3609 | 0.5834 | 0.7964 | 0.5152 | 0.5946 | 0.0271 | 0.9496 | 0.3998 | 0.6109 | 0.3721 | 0.1160 | 0.2185 | 0.9668 | 0.1005 | 0.9510 | 0.4254 | 0.4255 |
| 9 | 0.5734 | 0.7044 | 0.2420 | 0.6578 | 0.7116 | 0.3846 | 0.9815 | 0.3230 | 0.1845 | 0.5134 | 0.7160 | 0.4376 | 0.1000 | 0.2318 | 0.8568 | 0.3931 | 0.1139 | 0.7170 | 0.5676 | 0.2293 |
| 10 | 0.4251 | 0.1241 | 0.7815 | 0.5811 | 0.2194 | 0.0029 | 0.2244 | 0.5735 | 0.0069 | 0.3160 | 0.4138 | 0.0042 | 0.3606 | 0.1134 | 0.8364 | 0.7706 | 0.7254 | 0.0205 | 0.9559 | 0.4121 |
| 11 | 0.7777 | 0.8436 | 0.3089 | 0.1811 | 0.5647 | 0.6039 | 0.1424 | 0.4987 | 0.0313 | 0.1516 | 0.4257 | 0.7975 | 0.8742 | 0.8831 | 0.5036 | 0.0064 | 0.9043 | 0.5371 | 0.0436 | 0.4971 |
| 12 | 0.7767 | 0.9856 | 0.4242 | 0.0720 | 0.7543 | 0.2348 | 0.4010 | 0.3357 | 0.9751 | 0.8938 | 0.3996 | 0.7052 | 0.6512 | 0.8328 | 0.9151 | 0.4869 | 0.0385 | 0.8826 | 0.1612 | 0.6730 |
| 13 | 0.6817 | 0.5554 | 0.8789 | 0.6046 | 0.7187 | 0.3634 | 0.9842 | 0.9116 | 0.4661 | 0.9184 | 0.4426 | 0.4465 | 0.9304 | 0.9758 | 0.0982 | 0.6049 | 0.0272 | 0.6515 | 0.0835 | 0.1568 |
| 14 | 0.1106 | 0.4667 | 0.0471 | 0.0458 | 0.9056 | 0.4241 | 0.1967 | 0.1931 | 0.9560 | 0.0041 | 0.5687 | 0.5687 | 0.1329 | 0.8589 | 0.7104 | 0.2275 | 0.8444 | 0.2773 | 0.2015 | 0.6679 |
| 15 | 0.3580 | 0.7102 | 0.8418 | 0.0298 | 0.0072 | 0.5243 | 0.8912 | 0.1723 | 0.0333 | 0.8795 | 0.9302 | 0.8028 | 0.2132 | 0.0786 | 0.8649 | 0.5691 | 0.0556 | 0.9808 | 0.1479 | 0.1993 |
| 16 | 0.5762 | 0.3295 | 0.5153 | 0.6992 | 0.0852 | 0.0351 | 0.6825 | 0.3977 | 0.1996 | 0.3528 | 0.6170 | 0.5099 | 0.5029 | 0.9063 | 0.0953 | 0.4194 | 0.6506 | 0.1484 | 0.3120 | 0.7405 |
| 17 | 0.5443 | 0.8463 | 0.9125 | 0.0578 | 0.3080 | 0.5991 | 0.1658 | 0.4369 | 0.1070 | 0.2993 | 0.4304 | 0.0241 | 0.0588 | 0.1935 | 0.3740 | 0.5160 | 0.2569 | 0.4583 | 0.0283 | 0.0711 |
| 18 | 0.4501 | 0.0481 | 0.3068 | 0.1487 | 0.6579 | 0.3943 | 0.0347 | 0.4883 | 0.9451 | 0.5909 | 0.3574 | 0.1683 | 0.9542 | 0.0611 | 0.9619 | 0.9670 | 0.4310 | 0.4978 | 0.2682 | 0.0164 |
| 19 | 0.8255 | 0.9492 | 0.5085 | 0.7982 | 0.2781 | 0.1110 | 0.6564 | 0.6864 | 0.1690 | 0.8727 | 0.9429 | 0.5225 | 0.6550 | 0.4824 | 0.7631 | 0.1853 | 0.7981 | 0.4436 | 0.8950 | 0.1425 |
| 20 | 0.9142 | 0.8963 | 0.4149 | 0.9715 | 0.8828 | 0.2816 | 0.8238 | 0.6546 | 0.4620 | 0.4632 | 0.7054 | 0.6567 | 0.8302 | 0.9768 | 0.7844 | 0.0387 | 0.0512 | 0.2209 | 0.9175 | 0.4092 |
| 21 | 0.8811 | 0.0026 | 0.5075 | 0.3850 | 0.5578 | 0.7396 | 0.4381 | 0.1039 | 0.8732 | 0.5146 | 0.8623 | 0.9991 | 0.7247 | 0.4652 | 0.7382 | 0.7522 | 0.9962 | 0.8900 | 0.5240 | 0.9023 |
| 22 | 0.5300 | 0.4331 | 0.8525 | 0.8254 | 0.2097 | 0.3422 | 0.8102 | 0.2562 | 0.5845 | 0.3717 | 0.5529 | 0.2560 | 0.0172 | 0.0614 | 0.1252 | 0.4516 | 0.5856 | 0.7947 | 0.6169 | 0.9132 |
| 23 | 0.6382 | 0.1454 | 0.1591 | 0.5337 | 0.3143 | 0.4000 | 0.3466 | 0.1657 | 0.9069 | 0.4063 | 0.1078 | 0.0416 | 0.5774 | 0.7989 | 0.1220 | 0.9423 | 0.1182 | 0.6628 | 0.9669 | 0.8641 |
| 24 | 0.8585 | 0.3381 | 0.5428 | 0.7525 | 0.0488 | 0.3404 | 0.9872 | 0.4592 | 0.6155 | 0.3594 | 0.6412 | 0.1397 | 0.5039 | 0.5842 | 0.2690 | 0.5076 | 0.1585 | 0.1716 | 0.2071 | 0.1211 |
| 25 | 0.8292 | 0.8901 | 0.1024 | 0.6306 | 0.4055 | 0.1991 | 0.5953 | 0.5295 | 0.6953 | 0.1914 | 0.5640 | 0.1681 | 0.0527 | 0.4813 | 0.1602 | 0.9990 | 0.7997 | 0.8800 | 0.3344 | 0.7737 |
| 26 | 0.9097 | 0.2235 | 0.6171 | 0.5472 | 0.3870 | 0.7132 | 0.9920 | 0.8926 | 0.2716 | 0.2646 | 0.4600 | 0.6497 | 0.2261 | 0.9223 | 0.6416 | 0.1045 | 0.7114 | 0.5038 | 0.0362 | 0.9022 |
| 27 | 0.7294 | 0.3750 | 0.7925 | 0.4394 | 0.7266 | 0.5969 | 0.7857 | 0.3984 | 0.1059 | 0.9403 | 0.1552 | 0.4755 | 0.6021 | 0.8833 | 0.9213 | 0.8157 | 0.6440 | 0.9926 | 0.7995 | 0.8894 |
| 28 | 0.0691 | 0.5247 | 0.9921 | 0.5766 | 0.9260 | 0.4886 | 0.9772 | 0.6218 | 0.9497 | 0.3450 | 0.8443 | 0.6936 | 0.0038 | 0.4511 | 0.8995 | 0.9621 | 0.1894 | 0.9603 | 0.9388 | 0.7875 |
| 29 | 0.2930 | 0.1310 | 0.7471 | 0.4122 | 0.5012 | 0.1411 | 0.3691 | 0.0523 | 0.0232 | 0.9454 | 0.2850 | 0.4874 | 0.9011 | 0.0580 | 0.3588 | 0.9204 | 0.8818 | 0.6043 | 0.8414 | 0.5116 |
| 30 | 0.3499 | 0.6659 | 0.9659 | 0.9802 | 0.6394 | 0.0221 | 0.7131 | 0.5363 | 0.4316 | 0.1157 | 0.7702 | 0.6702 | 0.3112 | 0.5980 | 0.5669 | 0.2468 | 0.8132 | 0.4295 | 0.2862 | 0.2598 |
| 31 | 0.2043 | 0.7977 | 0.3688 | 0.7445 | 0.0991 | 0.1632 | 0.6467 | 0.1724 | 0.4238 | 0.9416 | 0.0723 | 0.5559 | 0.0756 | 0.3188 | 0.0869 | 0.5464 | 0.0627 | 0.3391 | 0.6187 | 0.8594 |
| 32 | 0.1023 | 0.8140 | 0.8005 | 0.6897 | 0.3145 | 0.9010 | 0.7793 | 0.2775 | 0.0412 | 0.5232 | 0.5461 | 0.6685 | 0.2020 | 0.0435 | 0.3869 | 0.3965 | 0.4302 | 0.6913 | 0.7692 | 0.1147 |
| 33 | 0.9315 | 0.2394 | 0.4413 | 0.2407 | 0.7666 | 0.0777 | 0.0983 | 0.8073 | 0.8073 | 0.7799 | 0.7901 | 0.4828 | 0.9013 | 0.9226 | 0.8250 | 0.9236 | 0.8574 | 0.3828 | 0.7239 | 0.4064 |
| 34 | 0.2076 | 0.1672 | 0.0735 | 0.9041 | 0.5521 | 0.1067 | 0.0239 | 0.8238 | 0.4904 | 0.1468 | 0.6020 | 0.2706 | 0.5260 | 0.9900 | 0.6403 | 0.8103 | 0.9021 | 0.2308 | 0.0985 | 0.4641 |
| 35 | 0.4825 | 0.8486 | 0.7469 | 0.1434 | 0.3003 | 0.0625 | 0.5851 | 0.4994 | 0.7390 | 0.8792 | 0.2588 | 0.5892 | 0.5582 | 0.0443 | 0.5349 | 0.8969 | 0.1553 | 0.9956 | 0.1403 | 0.9575 |
| 36 | 0.4736 | 0.1278 | 0.6806 | 0.6409 | 0.8467 | 0.0308 | 0.7816 | 0.2360 | 0.1953 | 0.2035 | 0.3067 | 0.2518 | 0.9718 | 0.2544 | 0.6367 | 0.3001 | 0.1900 | 0.7610 | 0.2722 | 0.4670 |
| 37 | 0.1769 | 0.6168 | 0.5320 | 0.4772 | 0.9284 | 0.3261 | 0.5359 | 0.4576 | 0.5558 | 0.1828 | 0.3129 | 0.0316 | 0.4796 | 0.2794 | 0.5303 | 0.1069 | 0.7656 | 0.6695 | 0.4386 | 0.9535 |
| 38 | 0.7001 | 0.0559 | 0.1097 | 0.7597 | 0.1014 | 0.2111 | 0.2170 | 0.0688 | 0.8971 | 0.0851 | 0.9796 | 0.1839 | 0.0610 | 0.0297 | 0.7143 | 0.2131 | 0.9274 | 0.0075 | 0.6950 | 0.6615 |

TABLE 1 Continued

| | | | | | | | | | | | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 39 | 0.2929 | 0.8349 | 0.6141 | 0.6470 | 0.0176 | 0.5190 | 0.8318 | 0.6821 | 0.8511 | 0.2205 | 0.5112 | 0.6260 | 0.8851 | 0.2447 | 0.8724 | 0.3288 | 0.8671 | 0.1073 | 0.1566 | 0.1977 |
| 40 | 0.8740 | 0.2481 | 0.6152 | 0.7588 | 0.6446 | 0.7951 | 0.3447 | 0.8050 | 0.2307 | 0.8754 | 0.0528 | 0.4392 | 0.9295 | 0.1541 | 0.7541 | 0.0623 | 0.7772 | 0.5147 | 0.4067 | 0.7802 |
| 41 | 0.3638 | 0.6165 | 0.9809 | 0.4379 | 0.8358 | 0.3851 | 0.7983 | 0.9259 | 0.1299 | 0.1761 | 0.6761 | 0.3916 | 0.8199 | 0.0277 | 0.3749 | 0.6234 | 0.0842 | 0.8335 | 0.3377 | 0.9985 |
| 42 | 0.0536 | 0.4729 | 0.3012 | 0.9955 | 0.0269 | 0.4328 | 0.8882 | 0.8097 | 0.9682 | 0.3263 | 0.6731 | 0.0916 | 0.6617 | 0.9068 | 0.1685 | 0.3464 | 0.3139 | 0.7421 | 0.9632 | 0.9647 |
| 43 | 0.2488 | 0.1499 | 0.6338 | 0.5407 | 0.9661 | 0.6779 | 0.5656 | 0.5059 | 0.7644 | 0.8625 | 0.6434 | 0.8657 | 0.7457 | 0.9966 | 0.2804 | 0.6631 | 0.3016 | 0.8355 | 0.6374 | 0.1287 |
| 44 | 0.1707 | 0.4783 | 0.5163 | 0.2154 | 0.5310 | 0.7690 | 0.1048 | 0.9055 | 0.2958 | 0.5173 | 0.6502 | 0.2672 | 0.7078 | 0.2520 | 0.6220 | 0.5573 | 0.4945 | 0.0958 | 0.7004 | 0.6653 |
| 45 | 0.8398 | 0.5481 | 0.3649 | 0.3971 | 0.4682 | 0.7980 | 0.8125 | 0.3168 | 0.5060 | 0.5055 | 0.6381 | 0.1824 | 0.4651 | 0.5536 | 0.3151 | 0.9494 | 0.3505 | 0.4025 | 0.4061 | 0.8490 |
| 46 | 0.2210 | 0.7754 | 0.0495 | 0.0107 | 0.4035 | 0.2931 | 0.3125 | 0.5299 | 0.3021 | 0.6450 | 0.0606 | 0.7967 | 0.1214 | 0.1922 | 0.3294 | 0.2136 | 0.7402 | 0.1941 | 0.2460 | 0.8190 |
| 47 | 0.9698 | 0.1744 | 0.5142 | 0.1706 | 0.7145 | 0.2905 | 0.5422 | 0.4456 | 0.1943 | 0.4290 | 0.1074 | 0.8796 | 0.8939 | 0.6094 | 0.7284 | 0.5889 | 0.8119 | 0.6010 | 0.0997 | 0.3872 |
| 48 | 0.9256 | 0.9452 | 0.9131 | 0.5765 | 0.6762 | 0.9437 | 0.6337 | 0.6337 | 0.8325 | 0.8693 | 0.8693 | 0.0388 | 0.9677 | 0.3201 | 0.6477 | 0.0561 | 0.5064 | 0.8369 | 0.9616 | 0.8859 |
| 49 | 0.2211 | 0.5590 | 0.0464 | 0.7912 | 0.0750 | 0.6911 | 0.8006 | 0.3037 | 0.3461 | 0.3568 | 0.5290 | 0.5880 | 0.2991 | 0.4940 | 0.2181 | 0.0397 | 0.3169 | 0.1905 | 0.5800 | 0.2715 |
| 50 | 0.7490 | 0.5469 | 0.9461 | 0.4012 | 0.3184 | 0.5948 | 0.9577 | 0.6584 | 0.5960 | 0.8957 | 0.2265 | 0.6415 | 0.7683 | 0.6321 | 0.6745 | 0.7571 | 0.9325 | 0.4585 | 0.2329 | 0.1203 |
| 51 | 0.3196 | 0.7740 | 0.1075 | 0.9863 | 0.7113 | 0.4188 | 0.9415 | 0.8875 | 0.0889 | 0.8432 | 0.0110 | 0.7695 | 0.2047 | 0.0590 | 0.9395 | 0.0070 | 0.3704 | 0.8183 | 0.1899 | 0.7746 |
| 52 | 0.8491 | 0.0099 | 0.9379 | 0.4718 | 0.4126 | 0.5452 | 0.6331 | 0.2309 | 0.9432 | 0.7523 | 0.2127 | 0.1030 | 0.7285 | 0.4553 | 0.9211 | 0.0616 | 0.4285 | 0.1423 | 0.3200 | 0.3029 |
| 53 | 0.8004 | 0.5958 | 0.5149 | 0.2202 | 0.6624 | 0.0672 | 0.7263 | 0.0633 | 0.5433 | 0.5444 | 0.7273 | 0.6389 | 0.5680 | 0.4792 | 0.7473 | 0.7388 | 0.8806 | 0.7946 | 0.2971 | 0.5726 |
| 54 | 0.0762 | 0.1426 | 0.0077 | 0.8317 | 0.7732 | 0.0151 | 0.1167 | 0.0036 | 0.7172 | 0.9775 | 0.3022 | 0.5264 | 0.9473 | 0.2847 | 0.1952 | 0.5183 | 0.8108 | 0.8059 | 0.4393 | 0.7526 |
| 55 | 0.7991 | 0.7796 | 0.1445 | 0.1399 | 0.7716 | 0.0060 | 0.3769 | 0.7432 | 0.8590 | 0.0967 | 0.5005 | 0.8526 | 0.9861 | 0.5424 | 0.4074 | 0.7152 | 0.6822 | 0.2640 | 0.8546 | 0.8307 |
| 56 | 0.9853 | 0.4103 | 0.2542 | 0.0276 | 0.0874 | 0.0033 | 0.0361 | 0.6395 | 0.0857 | 0.8571 | 0.7193 | 0.7568 | 0.6075 | 0.0587 | 0.7604 | 0.5338 | 0.6797 | 0.6662 | 0.0133 | 0.9221 |
| 57 | 0.1890 | 0.4965 | 0.9684 | 0.9779 | 0.8339 | 0.7271 | 0.5760 | 0.8453 | 0.4095 | 0.6112 | 0.1267 | 0.1694 | 0.9444 | 0.5833 | 0.3069 | 0.6640 | 0.7298 | 0.2564 | 0.0105 | 0.1172 |
| 58 | 0.1232 | 0.3854 | 0.5222 | 0.4837 | 0.8243 | 0.3301 | 0.6587 | 0.0812 | 0.4901 | 0.4554 | 0.3379 | 0.4129 | 0.4189 | 0.7979 | 0.5229 | 0.6028 | 0.2550 | 0.2135 | 0.1063 | 0.7645 |
| 59 | 0.1491 | 0.0832 | 0.0980 | 0.3412 | 0.0679 | 0.1406 | 0.2909 | 0.2650 | 0.9417 | 0.5462 | 0.4559 | 0.2834 | 0.2589 | 0.8694 | 0.1772 | 0.5183 | 0.6460 | 0.7314 | 0.3242 | 0.8356 |
| 60 | 0.7796 | 0.3507 | 0.1470 | 0.9352 | 0.3405 | 0.4829 | 0.0500 | 0.7668 | 0.3004 | 0.9592 | 0.6219 | 0.3613 | 0.8057 | 0.4606 | 0.6836 | 0.9050 | 0.1593 | 0.7855 | 0.4158 | 0.2784 |
| 61 | 0.7049 | 0.9291 | 0.3586 | 0.5425 | 0.1535 | 0.0951 | 0.7448 | 0.0543 | 0.4673 | 0.7539 | 0.9248 | 0.1221 | 0.1892 | 0.2384 | 0.3473 | 0.6494 | 0.9422 | 0.9798 | 0.9569 | 0.0508 |
| 62 | 0.9704 | 0.2697 | 0.0661 | 0.1118 | 0.4378 | 0.7897 | 0.4882 | 0.2304 | 0.2584 | 0.3241 | 0.3992 | 0.0801 | 0.6353 | 0.2408 | 0.5274 | 0.8018 | 0.8612 | 0.1969 | 0.1829 | 0.2469 |
| 63 | 0.1647 | 0.2046 | 0.4727 | 0.8536 | 0.3956 | 0.8993 | 0.8343 | 0.4933 | 0.3219 | 0.0881 | 0.3937 | 0.2901 | 0.1695 | 0.7144 | 0.1809 | 0.5894 | 0.1776 | 0.3471 | 0.9648 | 0.5815 |
| 64 | 0.1002 | 0.6240 | 0.1902 | 0.6242 | 0.8483 | 0.5873 | 0.1640 | 0.0285 | 0.9867 | 0.7227 | 0.5018 | 0.0475 | 0.5277 | 0.3824 | 0.0651 | 0.9820 | 0.0925 | 0.6472 | 0.9657 | 0.8233 |
| 65 | 0.6728 | 0.7251 | 0.5023 | 0.9085 | 0.3738 | 0.3871 | 0.2432 | 0.6326 | 0.1525 | 0.3904 | 0.1550 | 0.0807 | 0.4770 | 0.4187 | 0.6223 | 0.2695 | 0.5709 | 0.0564 | 0.7736 | 0.4653 |
| 66 | 0.6542 | 0.5412 | 0.5661 | 0.2811 | 0.7111 | 0.7328 | 0.3106 | 0.8759 | 0.2354 | 0.6548 | 0.4320 | 0.7231 | 0.1001 | 0.2272 | 0.0002 | 0.4468 | 0.5617 | 0.0138 | 0.3929 | 0.5803 |
| 67 | 0.3519 | 0.7415 | 0.6461 | 0.1920 | 0.5761 | 0.6776 | 0.0902 | 0.6081 | 0.9190 | 0.8170 | 0.4222 | 0.9038 | 0.5001 | 0.8864 | 0.7153 | 0.1788 | 0.0323 | 0.9146 | 0.3292 | 0.7913 |
| 68 | 0.7341 | 0.2767 | 0.4776 | 0.5138 | 0.7416 | 0.4096 | 0.9529 | 0.3477 | 0.0451 | 0.0148 | 0.9170 | 0.4846 | 0.7811 | 0.8855 | 0.0648 | 0.1724 | 0.3920 | 0.9549 | 0.8970 | 0.6528 |
| 69 | 0.6339 | 0.1808 | 0.3772 | 0.8653 | 0.3735 | 0.1135 | 0.5148 | 0.6297 | 0.2879 | 0.4204 | 0.9948 | 0.3608 | 0.1866 | 0.9207 | 0.8154 | 0.6623 | 0.9583 | 0.1448 | 0.2857 | 0.6162 |
| 70 | 0.8857 | 0.7872 | 0.5530 | 0.7504 | 0.1213 | 0.0971 | 0.5438 | 0.9554 | 0.1015 | 0.9598 | 0.4319 | 0.8134 | 0.5162 | 0.6660 | 0.4173 | 0.8588 | 0.1326 | 0.2034 | 0.2371 | 0.8803 |
| 71 | 0.2010 | 0.2843 | 0.1459 | 0.2673 | 0.9414 | 0.4358 | 0.8839 | 0.8123 | 0.8860 | 0.5001 | 0.2581 | 0.2294 | 0.0422 | 0.1958 | 0.5947 | 0.1144 | 0.3435 | 0.6356 | 0.7158 | 0.1249 |
| 72 | 0.0469 | 0.8146 | 0.6536 | 0.2601 | 0.5201 | 0.0032 | 0.6627 | 0.6414 | 0.3218 | 0.0022 | 0.6197 | 0.9725 | 0.5489 | 0.7657 | 0.4831 | 0.3321 | 0.0624 | 0.2884 | 0.3812 | 0.7139 |
| 73 | 0.4042 | 0.8678 | 0.7070 | 0.9251 | 0.8959 | 0.0410 | 0.3765 | 0.0668 | 0.0612 | 0.5938 | 0.0605 | 0.2726 | 0.1636 | 0.4192 | 0.3116 | 0.6896 | 0.5216 | 0.7749 | 0.4844 | 0.0375 |
| 74 | 0.4216 | 0.3957 | 0.8762 | 0.6635 | 0.1725 | 0.0370 | 0.7154 | 0.9888 | 0.1615 | 0.7039 | 0.1974 | 0.7954 | 0.5924 | 0.5399 | 0.7031 | 0.0383 | 0.1419 | 0.7529 | 0.8145 | 0.4852 |
| 75 | 0.6315 | 0.5140 | 0.4623 | 0.1358 | 0.0613 | 0.8686 | 0.4764 | 0.8149 | 0.5838 | 0.1307 | 0.7546 | 0.9390 | 0.2128 | 0.4215 | 0.6442 | 0.4453 | 0.2480 | 0.0085 | 0.9165 | 0.1564 |
| 76 | 0.8739 | 0.7226 | 0.2241 | 0.0731 | 0.1714 | 0.8421 | 0.1317 | 0.9829 | 0.4589 | 0.6595 | 0.0091 | 0.8069 | 0.0474 | 0.2756 | 0.3170 | 0.3733 | 0.2506 | 0.9478 | 0.5413 | 0.4419 |
| 77 | 0.0808 | 0.5968 | 0.5775 | 0.6034 | 0.0053 | 0.4798 | 0.5317 | 0.9589 | 0.2456 | 0.0722 | 0.4577 | 0.3791 | 0.2751 | 0.4411 | 0.2718 | 0.4861 | 0.9970 | 0.8324 | 0.7074 | 0.0211 |
| 78 | 0.6033 | 0.8213 | 0.8330 | 0.7014 | 0.8209 | 0.6222 | 0.0800 | 0.4645 | 0.1502 | 0.2785 | 0.3524 | 0.1691 | 0.5288 | 0.1600 | 0.7422 | 0.7230 | 0.9405 | 0.7935 | 0.9663 | 0.4370 |
| 79 | 0.7739 | 0.3476 | 0.4300 | 0.7780 | 0.2067 | 0.2892 | 0.9913 | 0.6023 | 0.5420 | 0.7837 | 0.2334 | 0.3530 | 0.0086 | 0.4225 | 0.7636 | 0.8985 | 0.1034 | 0.1318 | 0.6649 | 0.0345 |
| 80 | 0.6042 | 0.1976 | 0.1381 | 0.7528 | 0.1080 | 0.6237 | 0.2246 | 0.8347 | 0.9786 | 0.9186 | 0.8859 | 0.9804 | 0.7274 | 0.6582 | 0.5875 | 0.8750 | 0.8105 | 0.4681 | 0.4047 | 0.6712 |
| 81 | 0.9076 | 0.1726 | 0.6778 | 0.9028 | 0.2864 | 0.1797 | 0.9907 | 0.3656 | 0.9401 | 0.1625 | 0.0876 | 0.3033 | 0.9376 | 0.7910 | 0.5073 | 0.0615 | 0.1481 | 0.3010 | 0.3287 | 0.6622 |
| 82 | 0.1420 | 0.9655 | 0.9051 | 0.0109 | 0.7403 | 0.8470 | 0.2316 | 0.2516 | 0.4536 | 0.5275 | 0.5615 | 0.0992 | 0.2799 | 0.4931 | 0.6688 | 0.7755 | 0.1464 | 0.2008 | 0.0190 | 0.8072 |
| 83 | 0.4856 | 0.9452 | 0.3883 | 0.0962 | 0.6482 | 0.4351 | 0.9763 | 0.3668 | 0.0292 | 0.7824 | 0.1082 | 0.8681 | 0.0922 | 0.1800 | 0.6849 | 0.7436 | 0.6743 | 0.8298 | 0.8186 | 0.9940 |
| 84 | 0.4966 | 0.6986 | 0.9465 | 0.4799 | 0.4835 | 0.9922 | 0.1466 | 0.5807 | 0.9518 | 0.6201 | 0.6014 | 0.9605 | 0.5705 | 0.6852 | 0.7272 | 0.6857 | 0.5763 | 0.4884 | 0.5809 | 0.7596 |
| 85 | 0.9425 | 0.5246 | 0.8741 | 0.4873 | 0.6343 | 0.7738 | 0.4458 | 0.2418 | 0.3327 | 0.7026 | 0.2983 | 0.0833 | 0.6501 | 0.6236 | 0.3760 | 0.6200 | 0.2258 | 0.6111 | 0.2674 | 0.9914 |
| 86 | 0.9150 | 0.5628 | 0.6557 | 0.3711 | 0.7156 | 0.2687 | 0.4474 | 0.6568 | 0.2347 | 0.8722 | 0.3339 | 0.4030 | 0.9453 | 0.5858 | 0.4800 | 0.0174 | 0.8082 | 0.5725 | 0.4609 | 0.4809 |



TABLE 1 Continued

| | | | | | | | | | | | | | | | | | | | | |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 87 | 0.3827 | 0.4745 | 0.5025 | 0.3804 | 0.2765 | 0.6687 | 0.5435 | 0.6117 | 0.7672 | 0.0417 | 0.4647 | 0.6854 | 0.6883 | 0.9292 | 0.0340 | 0.9377 | 0.6215 | 0.6484 | 0.7670 | 0.6312 |
| 88 | 0.9572 | 0.9972 | 0.2042 | 0.4309 | 0.8524 | 0.6973 | 0.5883 | 0.8312 | 0.8051 | 0.7350 | 0.1956 | 0.1346 | 0.9912 | 0.3457 | 0.6853 | 0.1254 | 0.4210 | 0.0712 | 0.6136 | 0.7194 |
| 89 | 0.5477 | 0.5680 | 0.2821 | 0.7738 | 0.0454 | 0.1255 | 0.9891 | 0.9810 | 0.4145 | 0.7697 | 0.9250 | 0.2881 | 0.0978 | 0.0193 | 0.5061 | 0.6678 | 0.7943 | 0.7850 | 0.8417 | 0.9064 |
| 90 | 0.4335 | 0.6683 | 0.3899 | 0.4415 | 0.4451 | 0.4749 | 0.5610 | 0.1151 | 0.2595 | 0.8846 | 0.8952 | 0.9270 | 0.3193 | 0.5219 | 0.1166 | 0.4892 | 0.9418 | 0.1693 | 0.8940 | 0.9660 |
| 91 | 0.2424 | 0.8025 | 0.8767 | 0.8424 | 0.7387 | 0.3562 | 0.4036 | 0.2439 | 0.1582 | 0.0101 | 0.5577 | 0.3408 | 0.5409 | 0.3714 | 0.8469 | 0.2018 | 0.8761 | 0.4487 | 0.9628 | 0.7010 |
| 92 | 0.9120 | 0.2259 | 0.8973 | 0.5390 | 0.5414 | 0.8712 | 0.4954 | 0.4462 | 0.3911 | 0.0516 | 0.4313 | 0.5992 | 0.2618 | 0.7204 | 0.9197 | 0.4704 | 0.9868 | 0.3667 | 0.6856 | 0.3303 |
| 93 | 0.5419 | 0.9090 | 0.9697 | 0.0194 | 0.8676 | 0.3159 | 0.2297 | 0.7898 | 0.7183 | 0.0389 | 0.9637 | 0.2473 | 0.4305 | 0.2649 | 0.3017 | 0.9439 | 0.2056 | 0.7349 | 0.5574 | 0.1588 |
| 94 | 0.7475 | 0.2037 | 0.6149 | 0.8187 | 0.9626 | 0.6465 | 0.5077 | 0.3419 | 0.9826 | 0.6268 | 0.7033 | 0.1231 | 0.5329 | 0.5008 | 0.7267 | 0.5871 | 0.3564 | 0.6202 | 0.6404 | 0.8293 |
| 95 | 0.1518 | 0.6682 | 0.1799 | 0.9365 | 0.7651 | 0.0431 | 0.5713 | 0.2873 | 0.1705 | 0.2003 | 0.8774 | 0.9659 | 0.8902 | 0.4282 | 0.0858 | 0.1064 | 0.4303 | 0.3296 | 0.1159 | 0.7548 |
| 96 | 0.8211 | 0.4615 | 0.6967 | 0.4218 | 0.7891 | 0.6664 | 0.4888 | 0.3311 | 0.7338 | 0.0112 | 0.5982 | 0.4080 | 0.2734 | 0.4299 | 0.3799 | 0.9115 | 0.0940 | 0.9263 | 0.8555 | 0.6086 |
| 97 | 0.3689 | 0.5758 | 0.4477 | 0.1649 | 0.3777 | 0.2162 | 0.6487 | 0.2195 | 0.2271 | 0.7625 | 0.4380 | 0.6701 | 0.1997 | 0.3756 | 0.2492 | 0.2827 | 0.7917 | 0.3666 | 0.6799 | 0.9352 |
| 98 | 0.6391 | 0.6264 | 0.6167 | 0.9122 | 0.0317 | 0.7077 | 0.8626 | 0.0106 | 0.5932 | 0.3939 | 0.6788 | 0.5447 | 0.0490 | 0.0257 | 0.4014 | 0.9370 | 0.9253 | 0.5364 | 0.5900 | 0.9166 |
| 99 | 0.4221 | 0.3047 | 0.7181 | 0.5967 | 0.8107 | 0.6780 | 0.6224 | 0.0794 | 0.0675 | 0.7489 | 0.6203 | 0.0999 | 0.6959 | 0.7804 | 0.4469 | 0.7216 | 0.8509 | 0.2315 | 0.3110 | 0.1208 |
| 100 | 0.7764 | 0.9901 | 0.2808 | 0.8607 | 0.6284 | 0.6816 | 0.9721 | 0.2196 | 0.6521 | 0.9680 | 0.8294 | 0.8285 | 0.5534 | 0.9986 | 0.6366 | 0.0665 | 0.5179 | 0.1981 | 0.6503 | 0.7904 |
| 1 | 0.3550 | 0.2871 | 0.3504 | 0.1052 | 0.5794 | 0.1281 | 0.4433 | 0.9174 | 0.9816 | 0.4325 | 0.7100 | 0.3351 | 0.2986 | 0.9081 | 0.3848 | 0.7218 | 0.6886 | 0.0899 | 0.5945 | 0.8222 |
| 2 | 0.1458 | 0.9100 | 0.3684 | 0.7696 | 0.8991 | 0.2218 | 0.8438 | 0.1966 | 0.4368 | 0.5171 | 0.4979 | 0.8837 | 0.1025 | 0.5848 | 0.0229 | 0.9111 | 0.1911 | 0.3966 | 0.1555 | 0.4885 |
| 3 | 0.6820 | 0.1476 | 0.8785 | 0.4454 | 0.2886 | 0.3406 | 0.2058 | 0.9191 | 0.6140 | 0.8978 | 0.2878 | 0.2277 | 0.2224 | 0.4637 | 0.1633 | 0.1028 | 0.8385 | 0.6943 | 0.2499 | 0.9463 |
| 4 | 0.7531 | 0.2924 | 0.8592 | 0.6026 | 0.0273 | 0.7544 | 0.1253 | 0.1674 | 0.9536 | 0.1781 | 0.2575 | 0.6426 | 0.1951 | 0.1791 | 0.1666 | 0.8788 | 0.6093 | 0.3482 | 0.4510 | 0.3800 |
| 5 | 0.1855 | 0.7847 | 0.7819 | 0.5427 | 0.5214 | 0.1670 | 0.6966 | 0.7068 | 0.4631 | 0.0602 | 0.7316 | 0.9469 | 0.2657 | 0.9327 | 0.9027 | 0.0531 | 0.4520 | 0.9865 | 0.4283 | 0.9049 |
| 6 | 0.5236 | 0.2552 | 0.9932 | 0.1260 | 0.3875 | 0.8071 | 0.2359 | 0.6517 | 0.5956 | 0.2155 | 0.7461 | 0.8117 | 0.9521 | 0.6709 | 0.9305 | 0.8600 | 0.4099 | 0.2012 | 0.7615 | 0.3470 |
| 7 | 0.9801 | 0.5106 | 0.6602 | 0.3105 | 0.4705 | 0.4043 | 0.4805 | 0.0095 | 0.9355 | 0.0218 | 0.5655 | 0.3078 | 0.4972 | 0.3880 | 0.6531 | 0.7497 | 0.5552 | 0.9835 | 0.8315 | 0.5423 |
| 8 | 0.0226 | 0.5786 | 0.0714 | 0.9317 | 0.4572 | 0.8464 | 0.2746 | 0.1099 | 0.9285 | 0.4710 | 0.5145 | 0.9301 | 0.1291 | 0.2444 | 0.6263 | 0.2198 | 0.1306 | 0.0043 | 0.5599 | 0.1234 |
| 9 | 0.6300 | 0.5571 | 0.4721 | 0.4751 | 0.8454 | 0.8646 | 0.9130 | 0.5218 | 0.6349 | 0.7567 | 0.7673 | 0.0666 | 0.1743 | 0.7373 | 0.6887 | 0.8660 | 0.9036 | 0.1885 | 0.6844 | 0.2760 |
| 10 | 0.2778 | 0.7474 | 0.7398 | 0.5853 | 0.7061 | 0.7871 | 0.1592 | 0.5635 | 0.4630 | 0.4009 | 0.0230 | 0.9362 | 0.1223 | 0.2475 | 0.7331 | 0.5671 | 0.5810 | 0.6921 | 0.9934 | 0.7083 |
| 11 | 0.3779 | 0.3140 | 0.2586 | 0.8275 | 0.6871 | 0.8690 | 0.7974 | 0.3891 | 0.8538 | 0.0705 | 0.0456 | 0.8286 | 0.3767 | 0.7441 | 0.2250 | 0.1984 | 0.8065 | 0.6463 | 0.8519 | 0.1798 |
| 12 | 0.5893 | 0.6279 | 0.9015 | 0.2900 | 0.0093 | 0.3919 | 0.5143 | 0.0028 | 0.2623 | 0.8530 | 0.3642 | 0.6036 | 0.3810 | 0.3431 | 0.8934 | 0.7862 | 0.8755 | 0.7592 | 0.4088 | 0.7084 |
| 13 | 0.0719 | 0.7109 | 0.4389 | 0.1939 | 0.9839 | 0.4273 | 0.1225 | 0.7990 | 0.0740 | 0.7836 | 0.8561 | 0.8340 | 0.9754 | 0.4757 | 0.9880 | 0.1068 | 0.1171 | 0.2125 | 0.0742 | 0.1304 |
| 14 | 0.6118 | 0.8120 | 0.5312 | 0.2437 | 0.9927 | 0.3491 | 0.3246 | 0.0156 | 0.2349 | 0.6305 | 0.9244 | 0.3489 | 0.1771 | 0.4502 | 0.7090 | 0.5344 | 0.0979 | 0.5546 | 0.8090 | 0.2249 |
| 15 | 0.6196 | 0.7540 | 0.4535 | 0.3510 | 0.0836 | 0.6191 | 0.7220 | 0.3324 | 0.7950 | 0.5836 | 0.1091 | 0.5910 | 0.1834 | 0.6999 | 0.2070 | 0.0134 | 0.3157 | 0.5378 | 0.7538 | 0.3260 |
| 16 | 0.4907 | 0.3210 | 0.6009 | 0.7034 | 0.6212 | 0.6292 | 0.5584 | 0.6273 | 0.8405 | 0.2688 | 0.0394 | 0.2691 | 0.2527 | 0.3107 | 0.7952 | 0.2398 | 0.3964 | 0.1573 | 0.4003 | 0.4143 |
| 17 | 0.6398 | 0.0809 | 0.0880 | 0.2913 | 0.0780 | 0.1402 | 0.3392 | 0.2443 | 0.7801 | 0.1770 | 0.5321 | 0.8988 | 0.6024 | 0.6132 | 0.0121 | 0.3065 | 0.5855 | 0.9054 | 0.3382 | 0.8236 |
| 18 | 0.4737 | 0.9336 | 0.9674 | 0.3103 | 0.0296 | 0.2367 | 0.4133 | 0.2641 | 0.4855 | 0.1199 | 0.8930 | 0.6378 | 0.1450 | 0.0390 | 0.6994 | 0.0390 | 0.8379 | 0.3463 | 0.7484 | 0.8434 |
| 19 | 0.2416 | 0.7051 | 0.3993 | 0.8968 | 0.7762 | 0.0763 | 0.5787 | 0.6722 | 0.4562 | 0.4565 | 0.7942 | 0.7978 | 0.9483 | 0.7355 | 0.1987 | 0.2336 | 0.1830 | 0.6299 | 0.8764 | 0.1739 |
| 20 | 0.6839 | 0.1355 | 0.4408 | 0.4031 | 0.0044 | 0.4429 | 0.2546 | 0.4312 | 0.8683 | 0.5197 | 0.2513 | 0.6997 | 0.4414 | 0.8201 | 0.2696 | 0.0834 | 0.5386 | 0.1567 | 0.3635 | 0.9968 |
| 21 | 0.6124 | 0.6818 | 0.4687 | 0.7823 | 0.8674 | 0.3664 | 0.9654 | 0.0595 | 0.0894 | 0.2787 | 0.0160 | 0.2933 | 0.3474 | 0.4612 | 0.8049 | 0.4197 | 0.9788 | 0.1271 | 0.5015 | 0.4947 |
| 22 | 0.8899 | 0.7391 | 0.5736 | 0.1033 | 0.4943 | 0.6720 | 0.8245 | 0.0945 | 0.2271 | 0.5182 | 0.1818 | 0.1737 | 0.3658 | 0.1606 | 0.1671 | 0.5797 | 0.5451 | 0.9530 | 0.4597 | 0.5518 |
| 23 | 0.0183 | 0.6341 | 0.3492 | 0.7233 | 0.3932 | 0.7916 | 0.7411 | 0.3702 | 0.6632 | 0.4323 | 0.0243 | 0.3563 | 0.9118 | 0.8291 | 0.3177 | 0.5651 | 0.8850 | 0.6781 | 0.9138 | 0.9299 |
| 24 | 0.1105 | 0.2890 | 0.5017 | 0.8121 | 0.4459 | 0.0583 | 0.1778 | 0.7289 | 0.4988 | 0.6005 | 0.7958 | 0.1506 | 0.0473 | 0.5564 | 0.3171 | 0.8644 | 0.5287 | 0.6077 | 0.0261 | 0.1792 |
| 25 | 0.9271 | 0.7496 | 0.7184 | 0.1736 | 0.9481 | 0.5255 | 0.3329 | 0.8981 | 0.2989 | 0.1041 | 0.8977 | 0.4087 | 0.0024 | 0.2675 | 0.5570 | 0.0898 | 0.3941 | 0.6495 | 0.4274 | 0.4073 |
| 26 | 0.7012 | 0.2121 | 0.9348 | 0.8027 | 0.0841 | 0.0404 | 0.0781 | 0.5253 | 0.5181 | 0.1213 | 0.6554 | 0.2238 | 0.0179 | 0.1032 | 0.5751 | 0.2629 | 0.0360 | 0.7705 | 0.3678 | 0.8621 |
| 27 | 0.4132 | 0.2925 | 0.7122 | 0.9133 | 0.9690 | 0.7124 | 0.6832 | 0.9789 | 0.6583 | 0.3940 | 0.6392 | 0.6269 | 0.0827 | 0.2967 | 0.6091 | 0.5907 | 0.1328 | 0.8265 | 0.5997 | 0.9267 |
| 28 | 0.0562 | 0.9117 | 0.6282 | 0.6129 | 0.5895 | 0.1031 | 0.6626 | 0.7356 | 0.7792 | 0.9205 | 0.8636 | 0.9420 | 0.1298 | 0.3751 | 0.0819 | 0.5852 | 0.2129 | 0.6851 | 0.8224 | 0.9639 |
| 29 | 0.7953 | 0.2747 | 0.9303 | 0.1237 | 0.4914 | 0.2599 | 0.9656 | 0.5289 | 0.9136 | 0.5556 | 0.3046 | 0.0548 | 0.0015 | 0.0796 | 0.4209 | 0.5010 | 0.8887 | 0.9851 | 0.7809 | 0.5256 |
| 30 | 0.1455 | 0.7945 | 0.1146 | 0.8535 | 0.6459 | 0.0223 | 0.3661 | 0.7630 | 0.2739 | 0.5517 | 0.9324 | 0.7595 | 0.8143 | 0.1986 | 0.1998 | 0.5957 | 0.9357 | 0.6031 | 0.4826 | 0.6372 |
| 31 | 0.2024 | 0.0503 | 0.4365 | 0.6303 | 0.3024 | 0.2609 | 0.1747 | 0.3537 | 0.9257 | 0.5506 | 0.4083 | 0.1387 | 0.3855 | 0.8962 | 0.9083 | 0.3326 | 0.2764 | 0.5144 | 0.5070 | 0.6960 |
| 32 | 0.0504 | 0.1846 | 0.4353 | 0.8505 | 0.8237 | 0.8155 | 0.8038 | 0.3146 | 0.7344 | 0.0097 | 0.7902 | 0.7629 | 0.6358 | 0.4635 | 0.4853 | 0.1350 | 0.3360 | 0.0098 | 0.5884 | 0.7639 |
| 33 | 0.9790 | 0.7583 | 0.1628 | 0.5733 | 0.2704 | 0.5548 | 0.6478 | 0.6765 | 0.6802 | 0.5677 | 0.0009 | 0.5193 | 0.2142 | 0.7536 | 0.6142 | 0.6121 | 0.0600 | 0.4124 | 0.6390 | 0.2073 |
| 34 | 0.7814 | 0.2825 | 0.6625 | 0.9760 | 0.2152 | 0.5919 | 0.7210 | 0.1915 | 0.4780 | 0.7719 | 0.6257 | 0.3764 | 0.5603 | 0.3611 | 0.0079 | 0.3736 | 0.3605 | 0.2019 | 0.8106 | 0.4087 |



TABLE 1 Continued

| | | | | | | | | | | | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 35 | 0.2709 | 0.7380 | 0.4570 | 0.0208 | 0.4085 | 0.3323 | 0.4769 | 0.1432 | 0.5965 | 0.7735 | 0.1804 | 0.8577 | 0.0321 | 0.4818 | 0.9761 | 0.1269 | 0.0415 | 0.6934 | 0.6226 | 0.9683 |
| 36 | 0.7582 | 0.0288 | 0.8548 | 0.3905 | 0.4518 | 0.1534 | 0.8639 | 0.2176 | 0.0007 | 0.6525 | 0.3150 | 0.7580 | 0.4471 | 0.2587 | 0.8401 | 0.1524 | 0.7557 | 0.9189 | 0.7130 | 0.9462 |
| 37 | 0.1678 | 0.1572 | 0.5903 | 0.1594 | 0.8895 | 0.8661 | 0.4989 | 0.5821 | 0.9930 | 0.0513 | 0.2743 | 0.1988 | 0.3578 | 0.0787 | 0.7513 | 0.9732 | 0.3094 | 0.9743 | 0.5047 | 0.0188 |
| 38 | 0.5915 | 0.1532 | 0.9139 | 0.5482 | 0.4808 | 0.3517 | 0.5634 | 0.8992 | 0.2264 | 0.3969 | 0.5870 | 0.0882 | 0.1645 | 0.2895 | 0.5251 | 0.7729 | 0.8662 | 0.7879 | 0.7729 | 0.8472 |
| 39 | 0.5062 | 0.1599 | 0.0586 | 0.1982 | 0.7146 | 0.4733 | 0.2060 | 0.5248 | 0.9037 | 0.8079 | 0.0392 | 0.6160 | 0.6993 | 0.5502 | 0.0725 | 0.1814 | 0.7507 | 0.5492 | 0.4868 | 0.1332 |
| 40 | 0.7800 | 0.7693 | 0.8374 | 0.7161 | 0.4984 | 0.2658 | 0.0455 | 0.9408 | 0.1027 | 0.4265 | 0.5139 | 0.7249 | 0.6598 | 0.2378 | 0.1622 | 0.2311 | 0.0592 | 0.9474 | 0.9245 | 0.4362 |
| 41 | 0.6571 | 0.5397 | 0.9489 | 0.7748 | 0.8067 | 0.9840 | 0.4461 | 0.1684 | 0.7018 | 0.0653 | 0.2108 | 0.9093 | 0.1930 | 0.7831 | 0.4650 | 0.7446 | 0.2613 | 0.7434 | 0.6810 | 0.7660 |
| 42 | 0.2103 | 0.4136 | 0.3602 | 0.3124 | 0.6084 | 0.6066 | 0.7779 | 0.2099 | 0.1717 | 0.3310 | 0.3057 | 0.7926 | 0.0483 | 0.4754 | 0.4753 | 0.6334 | 0.1138 | 0.0825 | 0.1300 | 0.5532 |
| 43 | 0.6380 | 0.7866 | 0.7641 | 0.8336 | 0.2870 | 0.8898 | 0.7085 | 0.8808 | 0.6489 | 0.9522 | 0.8700 | 0.8955 | 0.3991 | 0.0574 | 0.1950 | 0.2889 | 0.8566 | 0.1178 | 0.9035 | 0.3298 |
| 44 | 0.9438 | 0.3526 | 0.8919 | 0.0838 | 0.4450 | 0.6658 | 0.3240 | 0.8036 | 0.1733 | 0.3570 | 0.6229 | 0.8022 | 0.2980 | 0.5695 | 0.4725 | 0.5508 | 0.7322 | 0.5508 | 0.8012 | 0.5078 |
| 45 | 0.7502 | 0.9145 | 0.8980 | 0.0290 | 0.5208 | 0.3928 | 0.3397 | 0.3020 | 0.8729 | 0.1412 | 0.1667 | 0.6774 | 0.7895 | 0.2063 | 0.5488 | 0.0569 | 0.0023 | 0.0990 | 0.7575 | 0.3354 |
| 46 | 0.3484 | 0.2448 | 0.5131 | 0.2920 | 0.0433 | 0.2214 | 0.6272 | 0.2906 | 0.5860 | 0.9404 | 0.8593 | 0.3925 | 0.8179 | 0.5353 | 0.8408 | 0.9885 | 0.1435 | 0.8161 | 0.7854 | 0.7756 |
| 47 | 0.9306 | 0.9310 | 0.0335 | 0.0329 | 0.6789 | 0.7485 | 0.4836 | 0.8871 | 0.3673 | 0.6443 | 0.8996 | 0.2387 | 0.7576 | 0.3700 | 0.7482 | 0.0140 | 0.7654 | 0.9846 | 0.4573 | 0.2134 |
| 48 | 0.6719 | 0.1955 | 0.1114 | 0.1016 | 0.0202 | 0.4982 | 0.5416 | 0.9378 | 0.3803 | 0.4508 | 0.3378 | 0.5192 | 0.5863 | 0.8579 | 0.9765 | 0.0760 | 0.8040 | 0.7608 | 0.6131 | 0.2369 |
| 49 | 0.8695 | 0.4586 | 0.9203 | 0.7384 | 0.7659 | 0.1283 | 0.4464 | 0.7638 | 0.2582 | 0.7972 | 0.9070 | 0.7392 | 0.8396 | 0.8984 | 0.8403 | 0.1103 | 0.9329 | 0.2273 | 0.3516 | 0.3284 |
| 50 | 0.6805 | 0.2038 | 0.8843 | 0.9092 | 0.9092 | 0.7892 | 0.6685 | 0.0006 | 0.3161 | 0.9199 | 0.2994 | 0.3286 | 0.1414 | 0.4427 | 0.1438 | 0.0248 | 0.4006 | 0.0936 | 0.6333 | 0.7828 |
| 51 | 0.3972 | 0.5513 | 0.7984 | 0.1394 | 0.7605 | 0.5244 | 0.9219 | 0.4746 | 0.1663 | 0.0425 | 0.2607 | 0.3663 | 0.8191 | 0.7923 | 0.4135 | 0.7858 | 0.0003 | 0.9157 | 0.9123 | 0.9313 |
| 52 | 0.9354 | 0.2122 | 0.8615 | 0.1462 | 0.2723 | 0.2591 | 0.2287 | 0.0823 | 0.0154 | 0.7423 | 0.4590 | 0.3542 | 0.0492 | 0.0364 | 0.5866 | 0.3279 | 0.6834 | 0.3509 | 0.5637 | 0.7296 |
| 53 | 0.9716 | 0.7424 | 0.7578 | 0.0619 | 0.1497 | 0.7880 | 0.8044 | 0.3380 | 0.7426 | 0.4551 | 0.1682 | 0.6173 | 0.1577 | 0.9457 | 0.5789 | 0.2240 | 0.8164 | 0.8384 | 0.4489 | 0.1988 |
| 54 | 0.7577 | 0.1604 | 0.1319 | 0.8569 | 0.5682 | 0.5547 | 0.6650 | 0.6867 | 0.1467 | 0.6418 | 0.7535 | 0.4944 | 0.0581 | 0.9281 | 0.2421 | 0.1204 | 0.0346 | 0.4266 | 0.8410 | 0.8512 |
| 55 | 0.6824 | 0.2976 | 0.2425 | 0.8043 | 0.8279 | 0.1493 | 0.1020 | 0.3192 | 0.7924 | 0.2217 | 0.1760 | 0.8435 | 0.2941 | 0.1668 | 0.0406 | 0.5867 | 0.7042 | 0.8550 | 0.1238 | 0.0280 |
| 56 | 0.8510 | 0.5421 | 0.3832 | 0.0560 | 0.3455 | 0.5672 | 0.9881 | 0.1924 | 0.4441 | 0.7986 | 0.3459 | 0.7614 | 0.8578 | 0.2897 | 0.1556 | 0.5388 | 0.0908 | 0.9091 | 0.2096 | 0.6842 |
| 57 | 0.3640 | 0.2830 | 0.6724 | 0.7464 | 0.2605 | 0.6227 | 0.3500 | 0.6417 | 0.9349 | 0.0875 | 0.4590 | 0.4534 | 0.1079 | 0.0704 | 0.5068 | 0.2615 | 0.4539 | 0.7988 | 0.3098 | 0.1124 |
| 58 | 0.9121 | 0.4860 | 0.9181 | 0.5158 | 0.8144 | 0.5133 | 0.5595 | 0.2907 | 0.3347 | 0.6431 | 0.4179 | 0.9700 | 0.3206 | 0.2604 | 0.0467 | 0.1430 | 0.4895 | 0.7773 | 0.4666 | 0.9209 |
| 59 | 0.9152 | 0.7559 | 0.9553 | 0.8137 | 0.4082 | 0.1680 | 0.0573 | 0.2291 | 0.7627 | 0.9350 | 0.2741 | 0.0312 | 0.0542 | 0.5840 | 0.6795 | 0.3027 | 0.7699 | 0.3494 | 0.5132 | 0.6562 |
| 60 | 0.5020 | 0.1721 | 0.4961 | 0.4616 | 0.6652 | 0.8492 | 0.0514 | 0.4939 | 0.7960 | 0.2167 | 0.2406 | 0.7463 | 0.1410 | 0.0421 | 0.7106 | 0.1463 | 0.4789 | 0.2094 | 0.9123 | 0.2537 |
| 61 | 0.2763 | 0.5921 | 0.9344 | 0.0303 | 0.6145 | 0.6214 | 0.0766 | 0.3148 | 0.9042 | 0.1500 | 0.9387 | 0.7299 | 0.1200 | 0.8228 | 0.0376 | 0.7818 | 0.2854 | 0.8549 | 0.3497 | 0.7123 |
| 62 | 0.8876 | 0.8514 | 0.2278 | 0.6890 | 0.6211 | 0.0955 | 0.2567 | 0.9128 | 0.3503 | 0.8204 | 0.9604 | 0.5745 | 0.0659 | 0.6585 | 0.3113 | 0.5069 | 0.4608 | 0.8000 | 0.7642 | 0.4280 |
| 63 | 0.7853 | 0.2627 | 0.5362 | 0.0368 | 0.4594 | 0.2723 | 0.2608 | 0.8786 | 0.7556 | 0.3158 | 0.0477 | 0.8280 | 0.9552 | 0.0749 | 0.6076 | 0.2571 | 0.8196 | 0.6063 | 0.8688 | 0.1206 |
| 64 | 0.9339 | 0.6569 | 0.3138 | 0.2352 | 0.8951 | 0.4068 | 0.5690 | 0.5269 | 0.0489 | 0.5759 | 0.1893 | 0.7362 | 0.4744 | 0.7562 | 0.4223 | 0.5210 | 0.2772 | 0.7283 | 0.2197 | 0.0915 |
| 65 | 0.4969 | 0.1994 | 0.1347 | 0.9087 | 0.0900 | 0.5955 | 0.3573 | 0.9951 | 0.2965 | 0.2705 | 0.8621 | 0.0245 | 0.8151 | 0.3178 | 0.0462 | 0.9767 | 0.4240 | 0.3074 | 0.6248 | 0.0414 |
| 66 | 0.9196 | 0.9383 | 0.2342 | 0.5122 | 0.6736 | 0.8964 | 0.5089 | 0.8781 | 0.7133 | 0.4843 | 0.8777 | 0.8610 | 0.5854 | 0.5154 | 0.6504 | 0.9172 | 0.3953 | 0.2823 | 0.4528 | 0.1933 |
| 67 | 0.0139 | 0.2328 | 0.8268 | 0.5223 | 0.4245 | 0.6244 | 0.5642 | 0.8771 | 0.6955 | 0.4541 | 0.5718 | 0.9062 | 0.3822 | 0.2576 | 0.2230 | 0.9156 | 0.8353 | 0.3637 | 0.7572 | 0.5281 |
| 68 | 0.6479 | 0.1276 | 0.2790 | 0.4322 | 0.5961 | 0.1286 | 0.0325 | 0.8348 | 0.6195 | 0.9807 | 0.3725 | 0.3909 | 0.9109 | 0.5587 | 0.6752 | 0.4200 | 0.0063 | 0.3185 | 0.5030 | 0.4263 |
| 69 | 0.1259 | 0.1560 | 0.1354 | 0.2770 | 0.9974 | 0.8269 | 0.5007 | 0.2851 | 0.3075 | 0.9959 | 0.3591 | 0.9058 | 0.6846 | 0.9277 | 0.9077 | 0.6621 | 0.1336 | 0.9280 | 0.0302 | 0.8420 |
| 70 | 0.1316 | 0.9998 | 0.1327 | 0.7420 | 0.7662 | 0.5822 | 0.9308 | 0.8150 | 0.2828 | 0.2109 | 0.3155 | 0.7558 | 0.1884 | 0.3276 | 0.9396 | 0.6175 | 0.1938 | 0.1559 | 0.0225 | 0.0784 |
| 71 | 0.0883 | 0.0973 | 0.3256 | 0.5625 | 0.6940 | 0.7291 | 0.2606 | 0.8665 | 0.6364 | 0.2514 | 0.5333 | 0.7236 | 0.5437 | 0.0970 | 0.5041 | 0.3367 | 0.7394 | 0.2735 | 0.1910 | 0.9238 |
| 72 | 0.6249 | 0.3898 | 0.3187 | 0.7701 | 0.6471 | 0.1335 | 0.7021 | 0.7399 | 0.0300 | 0.5879 | 0.8609 | 0.1677 | 0.4253 | 0.8787 | 0.1587 | 0.3031 | 0.3830 | 0.8207 | 0.1247 | 0.8430 |
| 73 | 0.3549 | 0.8841 | 0.6040 | 0.9845 | 0.7808 | 0.5714 | 0.1489 | 0.1489 | 0.6881 | 0.9988 | 0.9141 | 0.8692 | 0.3718 | 0.2701 | 0.9391 | 0.2428 | 0.1496 | 0.7470 | 0.7982 | 0.8540 |
| 74 | 0.1098 | 0.8647 | 0.2233 | 0.2852 | 0.2612 | 0.4778 | 0.4773 | 0.9222 | 0.2940 | 0.9500 | 0.3273 | 0.9368 | 0.5395 | 0.0493 | 0.5301 | 0.9495 | 0.5663 | 0.0234 | 0.1543 | 0.5417 |
| 75 | 0.3481 | 0.4564 | 0.0267 | 0.9687 | 0.2124 | 0.5804 | 0.5285 | 0.8807 | 0.0263 | 0.9993 | 0.1440 | 0.6727 | 0.2188 | 0.1959 | 0.3763 | 0.9667 | 0.5730 | 0.9067 | 0.6847 | 0.7332 |
| 76 | 0.1844 | 0.8677 | 0.5806 | 0.2372 | 0.8747 | 0.5369 | 0.7563 | 0.0549 | 0.4911 | 0.9180 | 0.2422 | 0.5963 | 0.0282 | 0.6988 | 0.7206 | 0.8532 | 0.2339 | 0.4457 | 0.6481 | 0.0162 |
| 77 | 0.5048 | 0.3901 | 0.0287 | 0.3631 | 0.4756 | 0.3759 | 0.5499 | 0.8537 | 0.5499 | 0.0155 | 0.8502 | 0.8489 | 0.8010 | 0.3038 | 0.7225 | 0.1471 | 0.4932 | 0.2946 | 0.6729 | 0.6729 |
| 78 | 0.3778 | 0.8772 | 0.0419 | 0.3819 | 0.0281 | 0.9264 | 0.6881 | 0.9958 | 0.5021 | 0.5334 | 0.1703 | 0.6466 | 0.8624 | 0.7412 | 0.8972 | 0.5644 | 0.3512 | 0.4094 | 0.6606 | 0.7320 |
| 79 | 0.0987 | 0.6703 | 0.6791 | 0.5095 | 0.5576 | 0.8637 | 0.8909 | 0.6790 | 0.8060 | 0.5228 | 0.3745 | 0.5315 | 0.5591 | 0.4276 | 0.0430 | 0.9493 | 0.4420 | 0.3028 | 0.8816 | 0.1503 |
| 80 | 0.0166 | 0.0291 | 0.8586 | 0.0637 | 0.9513 | 0.8192 | 0.7649 | 0.0585 | 0.3695 | 0.8442 | 0.4022 | 0.7453 | 0.1165 | 0.7745 | 0.0161 | 0.0603 | 0.6605 | 0.9255 | 0.8322 | 0.9514 |
| 81 | 0.7028 | 0.1621 | 0.2204 | 0.0048 | 0.2519 | 0.4891 | 0.3808 | 0.2556 | 0.5994 | 0.2583 | 0.1742 | 0.1819 | 0.8508 | 0.6526 | 0.2977 | 0.4151 | 0.9435 | 0.8790 | 0.9003 | 0.9643 |
| 82 | 0.1879 | 0.7658 | 0.6925 | 0.3582 | 0.3732 | 0.1019 | 0.2493 | 0.3885 | 0.4332 | 0.4992 | 0.2298 | 0.0593 | 0.4677 | 0.1782 | 0.2953 | 0.8866 | 0.6533 | 0.0526 | 0.7315 | 0.6458 |

TABLE 1 Continued

| | | | | | | | | | | | | | | | | | | | | |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 83 | 0.2631 | 0.0509 | 0.0963 | 0.2882 | 0.5777 | 0.2730 | 0.9539 | 0.5906 | 0.6869 | 0.1838 | 0.9338 | 0.4131 | 0.7013 | 0.1745 | 0.7976 | 0.7279 | 0.5675 | 0.8634 | 0.4734 | 0.4442 |
| 84 | 0.8257 | 0.6476 | 0.3792 | 0.0730 | 0.6116 | 0.2048 | 0.8327 | 0.1639 | 0.7025 | 0.3437 | 0.1022 | 0.9545 | 0.9239 | 0.9662 | 0.2736 | 0.7413 | 0.1877 | 0.3766 | 0.6318 | 0.3551 |
| 85 | 0.8205 | 0.2620 | 0.5250 | 0.7418 | 0.2638 | 0.7302 | 0.1793 | 0.4662 | 0.9381 | 0.8758 | 0.8290 | 0.1086 | 0.7019 | 0.5940 | 0.2509 | 0.0828 | 0.5639 | 0.0886 | 0.0981 | 0.4298 |
| 86 | 0.8109 | 0.9442 | 0.1833 | 0.8956 | 0.6573 | 0.2849 | 0.6681 | 0.6383 | 0.7325 | 0.6407 | 0.5188 | 0.1452 | 0.5084 | 0.5832 | 0.3513 | 0.4768 | 0.5724 | 0.0311 | 0.3190 | 0.8591 |
| 87 | 0.6387 | 0.5115 | 0.6990 | 0.1871 | 0.5942 | 0.4172 | 0.3205 | 0.3308 | 0.6044 | 0.4571 | 0.6879 | 0.3541 | 0.4561 | 0.6634 | 0.6629 | 0.9983 | 0.0476 | 0.7712 | 0.8611 | 0.3353 |
| 88 | 0.2815 | 0.7959 | 0.9711 | 0.8503 | 0.1163 | 0.1673 | 0.0994 | 0.4877 | 0.0737 | 0.5245 | 0.1921 | 0.1179 | 0.0944 | 0.3719 | 0.1863 | 0.3896 | 0.7555 | 0.5987 | 0.5184 | 0.8142 |
| 89 | 0.1501 | 0.7537 | 0.4206 | 0.3275 | 0.1711 | 0.8128 | 0.2939 | 0.4079 | 0.9537 | 0.5611 | 0.6000 | 0.3079 | 0.9584 | 0.8551 | 0.3490 | 0.6492 | 0.5701 | 0.4664 | 0.5979 | 0.6256 |
| 90 | 0.9214 | 0.1176 | 0.1741 | 0.3694 | 0.0799 | 0.8944 | 0.7342 | 0.3058 | 0.5297 | 0.0010 | 0.7937 | 0.1980 | 0.9871 | 0.9792 | 0.0100 | 0.8195 | 0.1117 | 0.2200 | 0.0127 | 0.3816 |
| 91 | 0.8001 | 0.8331 | 0.6753 | 0.0366 | 0.5387 | 0.2789 | 0.7520 | 0.1322 | 0.0119 | 0.0726 | 0.0429 | 0.8248 | 0.2049 | 0.7553 | 0.7611 | 0.7664 | 0.3073 | 0.8602 | 0.8178 | 0.5612 |
| 92 | 0.0123 | 0.3030 | 0.5105 | 0.0310 | 0.5195 | 0.8699 | 0.3985 | 0.7108 | 0.8283 | 0.4229 | 0.8462 | 0.5384 | 0.4819 | 0.5643 | 0.0687 | 0.7688 | 0.8637 | 0.2391 | 0.0216 | 0.5126 |
| 93 | 0.4199 | 0.9334 | 0.0000 | 0.9896 | 0.9720 | 0.9342 | 0.8706 | 0.3659 | 0.2363 | 0.1870 | 0.0046 | 0.7714 | 0.4011 | 0.3508 | 0.1975 | 0.9695 | 0.6025 | 0.9695 | 0.6547 | 0.8656 |
| 94 | 0.3385 | 0.8390 | 0.3938 | 0.3903 | 0.1618 | 0.3174 | 0.7938 | 0.0734 | 0.4482 | 0.1971 | 0.4482 | 0.1971 | 0.6493 | 0.6185 | 0.1473 | 0.7812 | 0.9247 | 0.3438 | 0.9321 | 0.5962 |
| 95 | 0.9644 | 0.3087 | 0.2972 | 0.0609 | 0.6270 | 0.4621 | 0.3266 | 0.5949 | 0.9523 | 0.5304 | 0.3262 | 0.2374 | 0.4058 | 0.8541 | 0.3620 | 0.0096 | 0.1869 | 0.6588 | 0.0054 | 0.8416 |
| 96 | 0.2798 | 0.8323 | 0.4906 | 0.5747 | 0.5313 | 0.1352 | 0.2064 | 0.9631 | 0.3616 | 0.5923 | 0.7286 | 0.4333 | 0.5003 | 0.4922 | 0.7036 | 0.9080 | 0.2397 | 0.0758 | 0.7956 | 0.5436 |
| 97 | 0.9689 | 0.9334 | 0.9319 | 0.4960 | 0.9714 | 0.1395 | 0.2487 | 0.5849 | 0.9412 | 0.5654 | 0.8563 | 0.5588 | 0.6976 | 0.8281 | 0.3032 | 0.8997 | 0.3842 | 0.3742 | 0.0256 | 0.1344 |
| 98 | 0.1832 | 0.5120 | 0.9578 | 0.0641 | 0.5296 | 0.9006 | 0.7957 | 0.1554 | 0.4671 | 0.1127 | 0.1659 | 0.5478 | 0.2009 | 0.8210 | 0.4706 | 0.0491 | 0.3226 | 0.4447 | 0.0301 | 0.0733 |
| 99 | 0.1538 | 0.0910 | 0.5368 | 0.6032 | 0.2698 | 0.9666 | 0.7869 | 0.3579 | 0.2478 | 0.1646 | 0.8877 | 0.3052 | 0.8920 | 0.5108 | 0.7430 | 0.9603 | 0.1321 | 0.0872 | 0.5217 | 0.6058 |
| 100 | 0.3197 | 0.1087 | 0.6029 | 0.7148 | 0.0446 | 0.0890 | 0.0568 | 0.4698 | 0.6177 | 0.6563 | 0.3529 | 0.7237 | 0.0677 | 0.8601 | 0.4387 | 0.3465 | 0.8402 | 0.5859 | 0.2426 | 0.2700 |
| 1 | 0.8741 | 0.0253 | 0.4697 | 0.2281 | 0.9693 | 0.1934 | 0.9612 | 0.2777 | 0.3983 | 0.2179 | 0.5607 | 0.1056 | 0.3601 | 0.1072 | 0.3436 | 0.0519 | 0.0820 | 0.9187 | 0.4127 | 0.2330 |
| 2 | 0.4250 | 0.8020 | 0.6942 | 0.6758 | 0.9640 | 0.1053 | 0.5831 | 0.4146 | 0.9364 | 0.3547 | 0.2522 | 0.9799 | 0.3627 | 0.3781 | 0.4002 | 0.0519 | 0.6804 | 0.4455 | 0.8062 | 0.8717 |
| 3 | 0.5159 | 0.0200 | 0.1990 | 0.0544 | 0.1184 | 0.6735 | 0.3907 | 0.5196 | 0.5971 | 0.1150 | 0.3669 | 0.4963 | 0.7242 | 0.0589 | 0.2680 | 0.6630 | 0.0664 | 0.2107 | 0.4599 | 0.4930 |
| 4 | 0.5708 | 0.3253 | 0.7841 | 0.5857 | 0.3223 | 0.9322 | 0.8426 | 0.4205 | 0.5453 | 0.2435 | 0.9143 | 0.5512 | 0.2260 | 0.0497 | 0.1767 | 0.2016 | 0.8897 | 0.8890 | 0.1418 | 0.2417 |
| 5 | 0.5515 | 0.7798 | 0.7885 | 0.1709 | 0.8518 | 0.6898 | 0.3844 | 0.8986 | 0.5057 | 0.4529 | 0.9579 | 0.1261 | 0.1396 | 0.7224 | 0.4899 | 0.2990 | 0.9234 | 0.9769 | 0.1972 | 0.5031 |
| 6 | 0.7205 | 0.1154 | 0.8246 | 0.6841 | 0.8066 | 0.1096 | 0.3204 | 0.2028 | 0.1713 | 0.9971 | 0.1859 | 0.4294 | 0.2093 | 0.1886 | 0.4007 | 0.2126 | 0.1343 | 0.7259 | 0.3202 | 0.3521 |
| 7 | 0.7121 | 0.4646 | 0.6148 | 0.5198 | 0.9823 | 0.8407 | 0.7791 | 0.4579 | 0.5406 | 0.6453 | 0.5352 | 0.8029 | 0.7329 | 0.4981 | 0.1353 | 0.9032 | 0.1004 | 0.2485 | 0.6639 | 0.2095 |
| 8 | 0.7722 | 0.7624 | 0.1790 | 0.4264 | 0.1088 | 0.5189 | 0.4546 | 0.2915 | 0.6057 | 0.9524 | 0.2872 | 0.5249 | 0.2027 | 0.6760 | 0.7724 | 0.9032 | 0.9821 | 0.0865 | 0.2780 | 0.3209 |
| 9 | 0.3671 | 0.0150 | 0.9903 | 0.0354 | 0.2887 | 0.7075 | 0.8928 | 0.4810 | 0.0411 | 0.2153 | 0.2521 | 0.2801 | 0.6859 | 0.2120 | 0.3050 | 0.3610 | 0.3873 | 0.2146 | 0.7379 | 0.5242 |
| 10 | 0.6657 | 0.2523 | 0.6420 | 0.9595 | 0.6693 | 0.7663 | 0.0486 | 0.1887 | 0.0779 | 0.9749 | 0.1119 | 0.1349 | 0.0887 | 0.6534 | 0.9947 | 0.7533 | 0.6425 | 0.4742 | 0.1754 | 0.5514 |
| 11 | 0.1546 | 0.9987 | 0.0693 | 0.2826 | 0.2888 | 0.7450 | 0.9066 | 0.4402 | 0.4525 | 0.3312 | 0.5226 | 0.2157 | 0.8835 | 0.3302 | 0.9733 | 0.2494 | 0.0829 | 0.2791 | 0.1937 | 0.3359 |
| 12 | 0.5141 | 0.0034 | 0.4960 | 0.0206 | 0.5717 | 0.6210 | 0.6792 | 0.4005 | 0.8872 | 0.5782 | 0.1385 | 0.9262 | 0.3319 | 0.9684 | 0.8552 | 0.4301 | 0.2477 | 0.3789 | 0.4802 | 0.7449 |
| 13 | 0.0849 | 0.9719 | 0.7256 | 0.3409 | 0.8445 | 0.5373 | 0.5098 | 0.0094 | 0.1675 | 0.6767 | 0.2160 | 0.2078 | 0.5123 | 0.3388 | 0.1644 | 0.6707 | 0.1926 | 0.1092 | 0.4638 | 0.2045 |
| 14 | 0.7565 | 0.4712 | 0.6684 | 0.0214 | 0.4936 | 0.5702 | 0.8362 | 0.4977 | 0.9905 | 0.2800 | 0.7574 | 0.3040 | 0.3449 | 0.3059 | 0.5180 | 0.9653 | 0.5342 | 0.3838 | 0.0157 | 0.4676 |
| 15 | 0.4948 | 0.8395 | 0.8147 | 0.3716 | 0.5470 | 0.9832 | 0.3709 | 0.3045 | 0.1823 | 0.6809 | 0.1168 | 0.1614 | 0.5627 | 0.1417 | 0.9777 | 0.5539 | 0.9941 | 0.3370 | 0.0534 | 0.4611 |
| 16 | 0.5908 | 0.6444 | 0.6516 | 0.2324 | 0.6581 | 0.0350 | 0.2220 | 0.5473 | 0.3708 | 0.2269 | 0.1720 | 0.3811 | 0.7301 | 0.9568 | 0.9652 | 0.9712 | 0.3085 | 0.7050 | 0.9025 | 0.8751 |
| 17 | 0.2748 | 0.1916 | 0.2987 | 0.1735 | 0.1210 | 0.4924 | 0.0011 | 0.6428 | 0.5658 | 0.8804 | 0.7483 | 0.4001 | 0.9057 | 0.6951 | 0.6496 | 0.1242 | 0.7455 | 0.3755 | 0.1708 | 0.2653 |
| 18 | 0.3559 | 0.6452 | 0.9879 | 0.5715 | 0.7784 | 0.3386 | 0.5238 | 0.9866 | 0.1289 | 0.9919 | 0.3317 | 0.9233 | 0.0170 | 0.3443 | 0.9144 | 0.2199 | 0.0850 | 0.3534 | 0.7599 | 0.2597 |
| 19 | 0.1616 | 0.4845 | 0.2256 | 0.5951 | 0.7969 | 0.5358 | 0.5721 | 0.0496 | 0.3973 | 0.8365 | 0.2797 | 0.1334 | 0.8545 | 0.6643 | 0.4409 | 0.2462 | 0.9660 | 0.5679 | 0.0090 | 0.0752 |
| 20 | 0.4996 | 0.7275 | 0.5072 | 0.3426 | 0.6070 | 0.3737 | 0.0035 | 0.3071 | 0.3441 | 0.4484 | 0.0697 | 0.9665 | 0.8878 | 0.9456 | 0.8160 | 0.6676 | 0.1378 | 0.4762 | 0.0163 | 0.5286 |
| 21 | 0.9967 | 0.9113 | 0.4054 | 0.8873 | 0.2341 | 0.8614 | 0.9909 | 0.9607 | 0.3884 | 0.6604 | 0.4976 | 0.5543 | 0.2717 | 0.4396 | 0.4020 | 0.6320 | 0.3739 | 0.5551 | 0.2508 | 0.2280 |
| 22 | 0.7317 | 0.3948 | 0.6522 | 0.3384 | 0.0159 | 0.5490 | 0.9649 | 0.1359 | 0.7915 | 0.6710 | 0.7795 | 0.7928 | 0.9491 | 0.7955 | 0.4958 | 0.3115 | 0.3355 | 0.1521 | 0.1505 | 0.0986 |
| 23 | 0.9709 | 0.3304 | 0.3136 | 0.1494 | 0.1779 | 0.0895 | 0.7352 | 0.1295 | 0.2040 | 0.5646 | 0.2814 | 0.5912 | 0.4361 | 0.2491 | 0.2178 | 0.8736 | 0.0452 | 0.0371 | 0.1061 | 0.2954 |
| 24 | 0.0019 | 0.7570 | 0.2256 | 0.2543 | 0.7570 | 0.4227 | 0.3322 | 0.8153 | 0.6393 | 0.7741 | 0.1576 | 0.6455 | 0.9923 | 0.1293 | 0.9402 | 0.7425 | 0.1635 | 0.3053 | 0.8428 | 0.8053 |
| 25 | 0.3878 | 0.6978 | 0.2652 | 0.2960 | 0.2652 | 0.5496 | 0.4986 | 0.8116 | 0.4050 | 0.0563 | 0.5206 | 0.1239 | 0.1115 | 0.2844 | 0.2377 | 0.2414 | 0.9279 | 0.4633 | 0.7896 | 0.3002 |
| 26 | 0.0674 | 0.7137 | 0.7427 | 0.8765 | 0.3867 | 0.0008 | 0.9745 | 0.2344 | 0.2792 | 0.9979 | 0.5729 | 0.7681 | 0.3976 | 0.9862 | 0.3216 | 0.2401 | 0.3444 | 0.8559 | 0.5074 | 0.9071 |
| 27 | 0.3646 | 0.5429 | 0.1104 | 0.7493 | 0.4999 | 0.3761 | 0.4404 | 0.1107 | 0.6172 | 0.7643 | 0.7208 | 0.1302 | 0.3165 | 0.2891 | 0.2215 | 0.5697 | 0.4763 | 0.6935 | 0.8553 | 0.1270 |
| 28 | 0.9837 | 0.3853 | 0.5779 | 0.1504 | 0.1548 | 0.4659 | 0.6180 | 0.0710 | 0.9375 | 0.6594 | 0.0859 | 0.4812 | 0.8297 | 0.8582 | 0.3712 | 0.3989 | 0.3328 | 0.4556 | 0.4233 | 0.8064 |
| 29 | 0.8485 | 0.1876 | 0.0482 | 0.9407 | 0.1292 | 0.3250 | 0.3935 | 0.3023 | 0.4148 | 0.1523 | 0.0753 | 0.0566 | 0.0576 | 0.1512 | 0.1439 | 0.9502 | 0.1837 | 0.0803 | 0.3560 | 0.7221 |
| 30 | 0.9088 | 0.4560 | 0.7684 | 0.2507 | 0.8522 | 0.7653 | 0.2912 | 0.8431 | 0.8086 | 0.9843 | 0.9430 | 0.2504 | 0.6430 | 0.0948 | 0.1575 | 0.8449 | 0.6586 | 0.1816 | 0.1558 | 0.1815 |

TABLE 1 Continued

| | | | | | | | | | | | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 31 | 0.4344 | 0.4156 | 0.6576 | 0.3566 | 0.3460 | 0.0116 | 0.5165 | 0.7512 | 0.0853 | 0.8352 | 0.7361 | 0.1619 | 0.5541 | 0.1323 | 0.8075 | 0.9722 | 0.0144 | 0.0344 | 0.6918 | 0.3403 |
| 32 | 0.9565 | 0.7731 | 0.9617 | 0.4315 | 0.4339 | 0.3927 | 0.4116 | 0.2869 | 0.1046 | 0.0031 | 0.3823 | 0.4178 | 0.1617 | 0.1363 | 0.9072 | 0.7202 | 0.2512 | 0.0557 | 0.5885 | 0.3614 |
| 33 | 0.0507 | 0.0774 | 0.3096 | 0.6794 | 0.3291 | 0.9823 | 0.3552 | 0.3361 | 0.5382 | 0.2268 | 0.2268 | 0.1391 | 0.2642 | 0.7171 | 0.3866 | 0.2288 | 0.4426 | 0.1372 | 0.4375 | 0.8581 |
| 34 | 0.8466 | 0.1698 | 0.3493 | 0.0152 | 0.1903 | 0.6933 | 0.1865 | 0.5817 | 0.8628 | 0.2114 | 0.3333 | 0.9254 | 0.3981 | 0.3710 | 0.1526 | 0.9126 | 0.0817 | 0.7477 | 0.4193 | 0.8253 |
| 35 | 0.0049 | 0.3731 | 0.4830 | 0.2632 | 0.1029 | 0.4622 | 0.8165 | 0.9814 | 0.8710 | 0.5350 | 0.9834 | 0.7932 | 0.2465 | 0.0087 | 0.9392 | 0.0913 | 0.8404 | 0.9760 | 0.5476 | 0.1522 |
| 36 | 0.5103 | 0.0177 | 0.7192 | 0.8528 | 0.1282 | 0.7195 | 0.0306 | 0.2029 | 0.2846 | 0.7383 | 0.3181 | 0.1250 | 0.0662 | 0.7252 | 0.5056 | 0.2942 | 0.0717 | 0.9780 | 0.0238 | 0.0621 |
| 37 | 0.1841 | 0.3589 | 0.7199 | 0.5823 | 0.2771 | 0.0016 | 0.3741 | 0.2617 | 0.7733 | 0.6266 | 0.1958 | 0.8974 | 0.9216 | 0.0067 | 0.6181 | 0.1630 | 0.5267 | 0.9298 | 0.2532 | 0.3091 |
| 38 | 0.9107 | 0.1193 | 0.5439 | 0.3432 | 0.6110 | 0.6511 | 0.6435 | 0.6669 | 0.0878 | 0.3723 | 0.7632 | 0.1125 | 0.8998 | 0.1437 | 0.7835 | 0.2793 | 0.9849 | 0.7011 | 0.5545 | 0.7438 |
| 39 | 0.9386 | 0.7911 | 0.5109 | 0.0352 | 0.7789 | 0.4875 | 0.2242 | 0.8648 | 0.7573 | 0.3861 | 0.6192 | 0.4246 | 0.2069 | 0.8371 | 0.3371 | 0.7214 | 0.0798 | 0.1917 | 0.6553 | 0.3366 |
| 40 | 0.3933 | 0.8994 | 0.1047 | 0.7000 | 0.2338 | 0.8373 | 0.6093 | 0.4949 | 0.7364 | 0.3861 | 0.6192 | 0.8372 | 0.0768 | 0.3217 | 0.8287 | 0.5700 | 0.0203 | 0.3453 | 0.7840 | 0.6015 |
| 41 | 0.7244 | 0.3834 | 0.1528 | 0.9479 | 0.6570 | 0.1191 | 0.3575 | 0.6922 | 0.1095 | 0.9742 | 0.8007 | 0.7594 | 0.8675 | 0.0669 | 0.1246 | 0.3290 | 0.0165 | 0.3195 | 0.3894 | 0.7626 |
| 42 | 0.2431 | 0.3681 | 0.9450 | 0.4750 | 0.8814 | 0.7410 | 0.8482 | 0.2904 | 0.5918 | 0.1413 | 0.9363 | 0.1083 | 0.2495 | 0.0646 | 0.2572 | 0.5259 | 0.6514 | 0.1162 | 0.1209 | 0.5887 |
| 43 | 0.2590 | 0.5318 | 0.5917 | 0.9398 | 0.2558 | 0.3268 | 0.2681 | 0.8206 | 0.5790 | 0.2749 | 0.9471 | 0.9202 | 0.5631 | 0.8927 | 0.0597 | 0.5125 | 0.8893 | 0.8350 | 0.7092 | 0.6750 |
| 44 | 0.4923 | 0.9283 | 0.9812 | 0.2002 | 0.4185 | 0.0676 | 0.6208 | 0.3942 | 0.0947 | 0.4618 | 0.9501 | 0.1773 | 0.0743 | 0.4730 | 0.2403 | 0.2310 | 0.9707 | 0.4034 | 0.4337 | 0.7308 |
| 45 | 0.5519 | 0.4490 | 0.1783 | 0.7334 | 0.3797 | 0.3264 | 0.4683 | 0.2427 | 0.6447 | 0.0324 | 0.9312 | 0.2654 | 0.7517 | 0.7125 | 0.2896 | 0.6370 | 0.1257 | 0.1152 | 0.2806 | 0.6154 |
| 46 | 0.1294 | 0.1185 | 0.9269 | 0.5405 | 0.4691 | 0.3297 | 0.4438 | 0.0307 | 0.6209 | 0.3784 | 0.6193 | 0.7965 | 0.9505 | 0.7900 | 0.8520 | 0.1164 | 0.7238 | 0.2703 | 0.1375 | 0.4019 |
| 47 | 0.8596 | 0.1896 | 0.7270 | 0.2175 | 0.8494 | 0.0860 | 0.16796 | 0.5976 | 0.0813 | 0.6179 | 0.9817 | 0.1806 | 0.8664 | 0.8227 | 0.8908 | 0.5741 | 0.3166 | 0.5813 | 0.0192 | 0.6230 |
| 48 | 0.4694 | 0.1923 | 0.3123 | 0.8425 | 0.3283 | 0.6439 | 0.0892 | 0.5459 | 0.0479 | 0.3963 | 0.9819 | 0.8567 | 0.9729 | 0.3445 | 0.9739 | 0.3539 | 0.2075 | 0.3518 | 0.2783 | 0.0080 |
| 49 | 0.3440 | 0.8823 | 0.6549 | 0.4786 | 0.3234 | 0.0047 | 0.5213 | 0.6608 | 0.0555 | 0.9624 | 0.4152 | 0.2147 | 0.3211 | 0.4154 | 0.4231 | 0.7498 | 0.7393 | 0.7035 | 0.1309 | 0.7141 |
| 50 | 0.3137 | 0.9770 | 0.4604 | 0.6644 | 0.6189 | 0.8799 | 0.7524 | 0.6330 | 0.2667 | 0.3172 | 0.6289 | 0.8783 | 0.3270 | 0.7335 | 0.4201 | 0.4857 | 0.9630 | 0.5523 | 0.9073 | 0.1758 |
| 51 | 0.3581 | 0.2252 | 0.6232 | 0.1540 | 0.5389 | 0.6756 | 0.4013 | 0.6133 | 0.3595 | 0.4782 | 0.5722 | 0.8834 | 0.1421 | 0.6216 | 0.3776 | 0.9744 | 0.5891 | 0.7962 | 0.2490 | 0.5033 |
| 52 | 0.3349 | 0.0068 | 0.0706 | 0.0645 | 0.9246 | 0.9185 | 0.5497 | 0.0956 | 0.8667 | 0.8329 | 0.8176 | 0.1537 | 0.0620 | 0.5985 | 0.8870 | 0.8498 | 0.0599 | 0.2082 | 0.6295 | 0.1227 |
| 53 | 0.8702 | 0.1273 | 0.5365 | 0.0037 | 0.4164 | 0.3468 | 0.3710 | 0.7813 | 0.1836 | 0.2471 | 0.5292 | 0.0265 | 0.7459 | 0.6840 | 0.1112 | 0.1821 | 0.7246 | 0.0437 | 0.1650 | 0.6359 |
| 54 | 0.8304 | 0.6726 | 0.9566 | 0.4117 | 0.4397 | 0.6655 | 0.4172 | 0.2614 | 0.7048 | 0.0791 | 0.1469 | 0.1511 | 0.0670 | 0.2081 | 0.8289 | 0.0966 | 0.9924 | 0.2138 | 0.2732 | 0.6931 |
| 55 | 0.0254 | 0.6233 | 0.9678 | 0.2762 | 0.4483 | 0.9795 | 0.8820 | 0.3013 | 0.3619 | 0.8247 | 0.5471 | 0.0501 | 0.0398 | 0.9288 | 0.7527 | 0.1362 | 0.4494 | 0.8013 | 0.7768 | 0.0634 |
| 56 | 0.5830 | 0.7376 | 0.6945 | 0.2251 | 0.7406 | 0.1444 | 0.3335 | 0.9873 | 0.3448 | 0.8711 | 0.8925 | 0.3921 | 0.2769 | 0.7587 | 0.7728 | 0.4480 | 0.4046 | 0.0228 | 0.6670 | 0.7839 |
| 57 | 0.8198 | 0.3621 | 0.5837 | 0.9520 | 0.4893 | 0.8448 | 0.4732 | 0.2860 | 0.4372 | 0.8333 | 0.3798 | 0.5820 | 0.2337 | 0.2332 | 0.1979 | 0.4532 | 0.3134 | 0.3267 | 0.5905 | 0.4787 |
| 58 | 0.5052 | 0.4538 | 0.2011 | 0.1574 | 0.9063 | 0.6929 | 0.2535 | 0.2637 | 0.2345 | 0.1090 | 0.7993 | 0.7635 | 0.1263 | 0.8773 | 0.2782 | 0.6151 | 0.7258 | 0.3368 | 0.7987 | 0.6961 |
| 59 | 0.2325 | 0.6491 | 0.4850 | 0.3495 | 0.6738 | 0.3826 | 0.0553 | 0.0074 | 0.0547 | 0.7669 | 0.0957 | 0.3630 | 0.2158 | 0.6674 | 0.7667 | 0.8047 | 0.9924 | 0.7884 | 0.8368 | 0.5996 |
| 60 | 0.6611 | 0.7633 | 0.7209 | 0.3995 | 0.2305 | 0.0552 | 0.7178 | 0.0440 | 0.2300 | 0.0339 | 0.6755 | 0.9528 | 0.2750 | 0.1373 | 0.6377 | 0.4531 | 0.9906 | 0.7443 | 0.7940 | 0.9738 |
| 61 | 0.5990 | 0.8619 | 0.0045 | 0.5209 | 0.7312 | 0.9347 | 0.6860 | 0.9730 | 0.1495 | 0.7293 | 0.3364 | 0.6474 | 0.4720 | 0.5657 | 0.7276 | 0.5044 | 0.3176 | 0.1609 | 0.9897 | 0.6510 |
| 62 | 0.0182 | 0.0453 | 0.4547 | 0.4741 | 0.4921 | 0.2148 | 0.3006 | 0.9019 | 0.4318 | 0.7190 | 0.7894 | 0.2565 | 0.2322 | 0.1457 | 0.8089 | 0.8035 | 0.3247 | 0.0713 | 0.9359 | 0.2829 |
| 63 | 0.8249 | 0.3860 | 0.4920 | 0.9976 | 0.8906 | 0.6255 | 0.1196 | 0.2299 | 0.6101 | 0.0336 | 0.6119 | 0.7235 | 0.8597 | 0.9949 | 0.4739 | 0.5309 | 0.3376 | 0.7176 | 0.0349 | 0.3802 |
| 64 | 0.6971 | 0.7834 | 0.6139 | 0.6723 | 0.7129 | 0.1314 | 0.0912 | 0.5091 | 0.0460 | 0.6464 | 0.7248 | 0.5383 | 0.2928 | 0.7581 | 0.0304 | 0.4956 | 0.4195 | 0.7566 | 0.2077 | 0.1851 |
| 65 | 0.0950 | 0.3545 | 0.7377 | 0.1624 | 0.1084 | 0.1789 | 0.1297 | 0.2573 | 0.2464 | 0.8598 | 0.1212 | 0.7038 | 0.9061 | 0.3720 | 0.1940 | 0.6421 | 0.8203 | 0.2091 | 0.7311 | 0.4866 |
| 66 | 0.3232 | 0.0450 | 0.5847 | 0.8581 | 0.3425 | 0.9237 | 0.9939 | 0.6105 | 0.4268 | 0.5974 | 0.9894 | 0.2861 | 0.2859 | 0.8560 | 0.5298 | 0.6287 | 0.4513 | 0.2423 | 0.0862 | 0.2502 |
| 67 | 0.9787 | 0.0770 | 0.6636 | 0.3313 | 0.0058 | 0.4815 | 0.6813 | 0.3647 | 0.9095 | 0.6327 | 0.5254 | 0.4363 | 0.3857 | 0.8943 | 0.1530 | 0.8422 | 0.6930 | 0.5913 | 0.5731 | 0.7825 |
| 68 | 0.7155 | 0.7177 | 0.8068 | 0.1728 | 0.8844 | 0.1729 | 0.1731 | 0.2671 | 0.6937 | 0.1303 | 0.1085 | 0.6754 | 0.1929 | 0.4118 | 0.3818 | 0.4485 | 0.6411 | 0.2333 | 0.4967 | 0.9638 |
| 69 | 0.1262 | 0.4871 | 0.5049 | 0.6835 | 0.4915 | 0.8757 | 0.2515 | 0.7149 | 0.8378 | 0.3363 | 0.5401 | 0.2863 | 0.1158 | 0.9685 | 0.0815 | 0.3645 | 0.2648 | 0.3049 | 0.9580 | 0.9431 |
| 70 | 0.5533 | 0.7889 | 0.6157 | 0.8842 | 0.9651 | 0.9059 | 0.2083 | 0.9574 | 0.8409 | 0.5136 | 0.2059 | 0.0220 | 0.5110 | 0.8014 | 0.5596 | 0.4574 | 0.1849 | 0.4657 | 0.8896 | 0.7333 |
| 71 | 0.7661 | 0.6174 | 0.0764 | 0.1888 | 0.6903 | 0.9427 | 0.0577 | 0.7060 | 0.4655 | 0.2440 | 0.2149 | 0.4863 | 0.9459 | 0.8961 | 0.6748 | 0.7467 | 0.2368 | 0.8136 | 0.2007 | 0.2072 |
| 72 | 0.9326 | 0.1482 | 0.5878 | 0.9708 | 0.1883 | 0.3557 | 0.4165 | 0.5594 | 0.9434 | 0.7409 | 0.8139 | 0.5825 | 0.4717 | 0.8506 | 0.9964 | 0.6963 | 0.0897 | 0.2517 | 0.9002 | 0.1963 |
| 73 | 0.8622 | 0.8916 | 0.7319 | 0.3061 | 0.0255 | 0.5723 | 0.5608 | 0.9917 | 0.6708 | 0.1123 | 0.4909 | 0.4495 | 0.8914 | 0.7619 | 0.8260 | 0.5586 | 0.8689 | 0.1536 | 0.2917 | 0.4134 |
| 74 | 0.0132 | 0.1077 | 0.0647 | 0.6607 | 0.7503 | 0.4128 | 0.4500 | 0.0233 | 0.5801 | 0.5561 | 0.5829 | 0.2619 | 0.1483 | 0.2169 | 0.0680 | 0.0802 | 0.7874 | 0.4726 | 0.1337 | 0.0914 |
| 75 | 0.1648 | 0.3876 | 0.1428 | 0.9024 | 0.0545 | 0.1428 | 0.5636 | 0.4550 | 0.5662 | 0.0518 | 0.1219 | 0.6917 | 0.1829 | 0.2997 | 0.7182 | 0.2682 | 0.6580 | 0.4261 | 0.2594 | 0.5805 |
| 76 | 0.2549 | 0.4354 | 0.0466 | 0.3454 | 0.7165 | 0.0598 | 0.7346 | 0.5778 | 0.6838 | 0.4258 | 0.4356 | 0.5524 | 0.7655 | 0.6082 | 0.8112 | 0.8386 | 0.1429 | 0.6980 | 0.3734 | 0.2279 |
| 77 | 0.5325 | 0.3390 | 0.3362 | 0.3141 | 0.0341 | 0.1308 | 0.1305 | 0.2433 | 0.7371 | 0.0403 | 0.4766 | 0.0949 | 0.0594 | 0.0076 | 0.5079 | 0.6017 | 0.1601 | 0.8342 | 0.1515 | 0.2140 |
| 78 | 0.3888 | 0.1331 | 0.0891 | 0.6977 | 0.1456 | 0.6078 | 0.9385 | 0.3690 | 0.5113 | 0.1908 | 0.2163 | 0.7309 | 0.3252 | 0.6251 | 0.4928 | 0.4985 | 0.9297 | 0.2974 | 0.1545 | 0.1296 |



TABLE 1 Continued

| | | | | | | | | | | | | | | | | | | | | |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 79 | 0.0920 | 0.8863 | 0.1116 | 0.2137 | 0.3356 | 0.3041 | 0.8723 | 0.2818 | 0.0650 | 0.8576 | 0.6910 | 0.3483 | 0.0538 | 0.3915 | 0.6213 | 0.1121 | 0.0854 | 0.0204 | 0.9424 | 0.8979 |
| 80 | 0.9104 | 0.8658 | 0.5345 | 0.0418 | 0.5930 | 0.2951 | 0.3535 | 0.8534 | 0.6768 | 0.6691 | 0.2676 | 0.9975 | 0.0685 | 0.7064 | 0.4735 | 0.9673 | 0.2285 | 0.1389 | 0.1868 | 0.0776 |
| 81 | 0.2580 | 0.5557 | 0.4918 | 0.1676 | 0.9764 | 0.0642 | 0.6235 | 0.5465 | 0.4078 | 0.3675 | 0.4685 | 0.2161 | 0.2105 | 0.4367 | 0.6159 | 0.6908 | 0.4144 | 0.1638 | 0.4591 | 0.7101 |
| 82 | 0.6665 | 0.0251 | 0.1035 | 0.7883 | 0.5475 | 0.5448 | 0.1607 | 0.1583 | 0.9813 | 0.2023 | 0.5306 | 0.3900 | 0.0974 | 0.4669 | 0.2313 | 0.1243 | 0.7646 | 0.0995 | 0.2030 | 0.5674 |
| 83 | 0.0847 | 0.8263 | 0.5791 | 0.1038 | 0.7323 | 0.4109 | 0.2634 | 0.2066 | 0.4081 | 0.0582 | 0.5343 | 0.8310 | 0.2458 | 0.6361 | 0.1369 | 0.1054 | 0.8216 | 0.3099 | 0.1461 | 0.1071 |
| 84 | 0.9287 | 0.9177 | 0.1009 | 0.7112 | 0.4326 | 0.4656 | 0.7359 | 0.1181 | 0.0142 | 0.6373 | 0.1180 | 0.5130 | 0.0171 | 0.2186 | 0.8197 | 0.6365 | 0.7547 | 0.2754 | 0.1759 | 0.6882 |
| 85 | 0.7468 | 0.3793 | 0.9597 | 0.3015 | 0.5902 | 0.0814 | 0.0769 | 0.1750 | 0.9159 | 0.6402 | 0.7887 | 0.8217 | 0.8391 | 0.6147 | 0.7437 | 0.2833 | 0.8983 | 0.4327 | 0.1224 | 0.4349 |
| 86 | 0.7381 | 0.3458 | 0.3338 | 0.9241 | 0.5336 | 0.3859 | 0.4359 | 0.1895 | 0.9286 | 0.8033 | 0.6071 | 0.1751 | 0.6104 | 0.1831 | 0.9178 | 0.8633 | 0.8509 | 0.7086 | 0.0196 | 0.9200 |
| 87 | 0.4927 | 0.6663 | 0.6386 | 0.9686 | 0.0408 | 0.3837 | 0.4466 | 0.4157 | 0.1174 | 0.1936 | 0.1580 | 0.5051 | 0.0082 | 0.4176 | 0.2119 | 0.3605 | 0.6985 | 0.0696 | 0.3651 | 0.4919 |
| 88 | 0.4993 | 0.3986 | 0.1113 | 0.6742 | 0.9229 | 0.5185 | 0.8288 | 0.8793 | 0.3847 | 0.6862 | 0.8354 | 0.0167 | 0.9089 | 0.1021 | 0.3947 | 0.3862 | 0.2840 | 0.0240 | 0.5161 | 0.8003 |
| 89 | 0.7287 | 0.4249 | 0.1393 | 0.9409 | 0.2956 | 0.5035 | 0.8608 | 0.8326 | 0.0246 | 0.5686 | 0.1777 | 0.0195 | 0.0326 | 0.8910 | 0.3597 | 0.0537 | 0.6061 | 0.0964 | 0.8937 | 0.3598 |
| 90 | 0.8148 | 0.0930 | 0.3593 | 0.5839 | 0.3104 | 0.5278 | 0.5314 | 0.3399 | 0.2225 | 0.9311 | 0.5780 | 0.7867 | 0.5549 | 0.1881 | 0.0824 | 0.1748 | 0.9074 | 0.8194 | 0.7616 | 0.8667 |
| 91 | 0.9484 | 0.1042 | 0.0810 | 0.2651 | 0.4983 | 0.4180 | 0.3546 | 0.1774 | 0.9734 | 0.0426 | 0.7241 | 0.3154 | 0.4383 | 0.7045 | 0.1610 | 0.0020 | 0.8858 | 0.8037 | 0.8963 | 0.9526 |
| 92 | 0.7868 | 0.5509 | 0.4649 | 0.3561 | 0.9582 | 0.1699 | 0.6770 | 0.1401 | 0.7119 | 0.0381 | 0.0330 | 0.6828 | 0.7948 | 0.3424 | 0.3320 | 0.7135 | 0.3018 | 0.9243 | 0.2630 | 0.0792 |
| 93 | 0.1367 | 0.4017 | 0.4832 | 0.2858 | 0.5319 | 0.0213 | 0.0279 | 0.0525 | 0.2021 | 0.4452 | 0.1817 | 0.1904 | 0.4430 | 0.5754 | 0.8459 | 0.3887 | 0.2559 | 0.2296 | 0.2643 | 0.8958 |
| 94 | 0.9273 | 0.8932 | 0.7534 | 0.2476 | 0.1510 | 0.5720 | 0.5456 | 0.4708 | 0.9428 | 0.6946 | 0.1710 | 0.0399 | 0.2226 | 0.1946 | 0.9445 | 0.4692 | 0.0295 | 0.9460 | 0.0247 | 0.4244 |
| 95 | 0.7157 | 0.9778 | 0.8019 | 0.8999 | 0.4097 | 0.7765 | 0.3231 | 0.7514 | 0.2964 | 0.7499 | 0.7944 | 0.8360 | 0.4522 | 0.8229 | 0.0169 | 0.5683 | 0.2141 | 0.7519 | 0.2457 | 0.2459 |
| 96 | 0.6451 | 0.5704 | 0.1944 | 0.1012 | 0.4491 | 0.6204 | 0.7020 | 0.4793 | 0.6050 | 0.0996 | 0.5668 | 0.0976 | 0.0644 | 0.6350 | 0.0695 | 0.2450 | 0.5311 | 0.1008 | 0.6265 | 0.3133 |
| 97 | 0.0463 | 0.8554 | 0.7056 | 0.9581 | 0.0863 | 0.9727 | 0.2027 | 0.6347 | 0.5601 | 0.4271 | 0.9455 | 0.9848 | 0.3414 | 0.6344 | 0.0757 | 0.6445 | 0.4060 | 0.2719 | 0.8817 | 0.0409 |
| 98 | 0.0081 | 0.6275 | 0.0797 | 0.5445 | 0.8158 | 0.8223 | 0.4270 | 0.9910 | 0.1584 | 0.9007 | 0.0574 | 0.1620 | 0.6647 | 0.2255 | 0.8024 | 0.1925 | 0.8651 | 0.2282 | 0.7339 | 0.4239 |
| 99 | 0.0660 | 0.8542 | 0.6777 | 0.0314 | 0.7357 | 0.4533 | 0.9358 | 0.8529 | 0.5773 | 0.9504 | 0.7280 | 0.2404 | 0.2057 | 0.9728 | 0.4463 | 0.3055 | 0.3525 | 0.7757 | 0.9918 | 0.8484 |
| 100 | 0.4434 | 0.8270 | 0.4679 | 0.1235 | 0.1842 | 0.0191 | 0.4648 | 0.1338 | 0.4807 | 0.6561 | 0.2981 | 0.5375 | 0.5667 | 0.6448 | 0.7348 | 0.6558 | 0.7939 | 0.8095 | 0.5156 | 0.1589 |

4. Selection Procedures

4.1 Sampling from a Belt or Flowing Stream of Material:

4.1.1 Determine the length of time, *t*, in minutes, for the lot of material to be sampled to pass the sampling point and determine the number of samples, *n*, to be taken from the lot. Following the instructions accompanying Table 1, pick *n* numbers to determine the times *t* to select the necessary samples.

4.1.2 Example:

4.1.2.1 The lot of material to be sampled from a flowing stream at a transfer point is defined as 480 min of production. Five samples are required from the lot. From Table 1, the following five numbers were picked:

0.091
0.0918
~~0.420~~
0.4205
~~0.247~~
0.2171
~~0.370~~
0.3702
~~0.006~~
0.0061

These numbers

The first three digits are used directly (decimals disregarded) to determine the sample selection times. Any number over 480 should be discarded and another chosen.

4.1.2.2 Thus, samples will be taken at the following times after production begins (to the nearest 1 min and arranged in chronological order):

min
6
91
217
370
420

NOTE 4—The user may wish to decide a minimum time to allow the plant to become fully operational. In cases where the picked number results in a time less than this, the user should discard the picked number and choose another.

NOTE 5—While the above exact times were picked, in practice, the user may wish to round off actual sampling times to the nearest 5 min.

4.2 Sampling From a Windrow of Material:

4.2.1 Determine the total length of one windrow in metres that represents a lot of material and determine the number of samples, *n*, to be taken from the lot. Following the instruction accompanying Table 1, pick *n* numbers to determine the length, (*l*), from the start of the windrow from which samples will be taken.

4.2.2 Example:

4.2.2.1 A lot of material has been placed in windrows 900 m in length. It is desired to secure three samples from this lot. From Table 1 the following three numbers are picked:

0.526
0.5269
~~0.704~~
0.7044
~~0.493~~
0.1931

4.2.2.2 These numbers are then multiplied by 900 giving the number of metres from the beginning of the windrow at which to sample. Thus, samples (rounded to the nearest metre and

arranged in sequence) are selected at the following intervals:

174 m (900 × 0.193)
174 m (900 × 0.1931)
~~473 m (900 × 0.526)~~
474 m (900 × 0.5269)
~~634 m (900 × 0.704)~~
634 m (900 × 0.7044)

4.3 Sampling In-Place Paving Material :

4.3.1 Determine the length of one pavement representing a lot of material, the width of the pavement, *w*, and the number of samples needed for each lot, *n*. Following the instructions accompanying Table 1, pick *l* numbers corresponding to the length of pavement, followed by picking *w* numbers for width determination.

4.3.2 Example:

4.3.2.1 A lot is defined as 1.6 km of in-place 3.6-m wide pavement. Two samples are to be taken from each lot. Since there are 1600 m in the lot, enter the table and pick two numbers, which are then multiplied by 1600 m. In this instance, the two numbers chosen were:

0.376
0.3768
~~0.529~~
0.5295

4.3.2.2 Thus, the two samples will be taken at ~~602~~ 603 and 846 847 m from the beginning of the pavement.

4.3.2.3 Determine the location from the edge of the pavement by selecting two additional numbers from Table 1, which are then multiplied by 3.6. In this case, the two numbers chosen were:

0.512
0.5127
~~0.708~~
0.7082

4.3.2.4 Therefore, the first sample should be taken ~~602~~ 603 m from the beginning of the pavement (see 4.3.2.2) and 1.8 m from the designated (right or left) edge of the pavement.

4.3.2.5 The second sample should be taken ~~846~~ 847 m from the beginning of the pavement and 2.5 m from the designated (right or left) edge of the pavement.

4.4 Sampling From a Loaded Truck :

4.4.1 Determine the number of truck loads that represent a lot of material and determine the number of samples, *n*, needed from each lot. To determine which trucks to sample, pick *n* numbers from Table 1 and multiply these numbers by the number of trucks in the lot. To determine the quadrant in each truck to be sampled, choose *n* numbers from Table 1 and multiply by 4. Select the quadrant in accordance with the following criteria. Quadrant locations of the truck are numbered as shown in Fig. 1.

| Calculated Random Number, N | Quadrant |
|-----------------------------|----------|
| N ≤ 1.0 | 1 |
| 1.0 < N ≤ 2.0 | 2 |
| 2.0 < N ≤ 3.0 | 3 |
| 3.0 < N ≤ 4.0 | 4 |

4.4.2 Example:

4.4.2.1 Twenty trucks are considered a lot and three samples are required. Using Table 1, the following three numbers were picked:

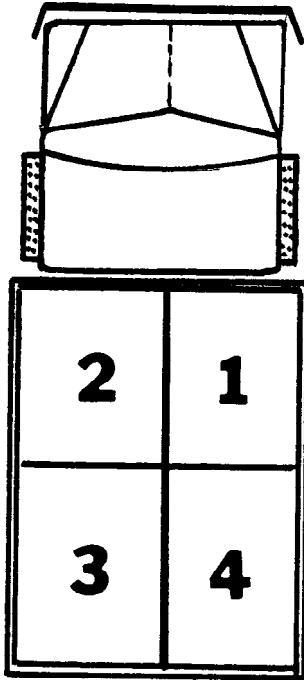


FIG. 1 Quadrants for Random Sampling from a Loaded Truck

0.251
0.2516
 0.424
0.4243
 0.865
0.8657

4.4.2.2 Thus, trucks numbered 5 (0.2516×20), 8 (0.4243×20), and 17 (0.8657×20) should be sampled.

4.4.2.3 To determine the quadrant locations, the following numbers were picked:

0.110
0.1100
 0.380
0.3809
 0.064
0.0641

These are multiplied by 4 with the following results:

Quadrant 1 from truck No. 5 (4×0.110)
 Quadrant 1 from truck No. 5 (4×0.1100)
 Quadrant 2 from truck No. 8 (4×0.380)
 Quadrant 2 from truck No. 8 (4×0.3807)
 Quadrant 1 from truck No. 17 (4×0.064)
 Quadrant 1 from truck No. 17 (4×0.0641)

5. Instructions for Using the Three-Digit Four-Digit Table of Numbers (Table 1)

5.1 Table 1 consists of all numbers from 0.00+00 to 1.0000. Each number appears only once.

5.2 Electronic calculators or random number generators can be used to select rows and columns. If pointers are used, Another method is to use Table 1 correctly and a pointer. To

eliminate bias when the pointer method is used, copy Table 1 from the book and place the two pages on a flat surface in such a manner that the entire 100 line by 100 column table is assembled on the flat surface. Point without looking to a number in the table. The pointer may be advantageous to use a pointer such as a mechanical pencil with the lead retracted, the tip of a letter opener, or other pointed device.

5.3 After picking a number, the basis is established for locating the sought-after number in a more random, unbiased method.

5.4 Examine the first two digits of the three-digit four-digit number chosen. This number locates the line column number (the vertical column on horizontal line at the left) top to be used in finding the sought-after number.

NOTE 6—The digits 0.00+00 to 0.0099 are invalid for choosing the line number. The number 1.000 is used for line column number 100.

5.5 Once the line column number is chosen, repeat the procedure in 5.2 and, using the first two digits, pick the column line number (the horizontal numbers at vertical column on the top left of the table).

5.6 The intersection of the results from 5.4 and 5.5 is the sought-after number.

5.7 The procedure, to be unbiased, must be followed as detailed in the foregoing or by some other locally devised method by which the user has no control over the numbers chosen. The table must be entered separately for any and all numbers selected. Repeat the selection procedure if an unusable number results.

5.8 Two alternative methods are described in 5.8.1 and 5.8.2. They are not considered as correct theoretically as the procedure described in 5.2 through 5.7; however, except in cases of dispute, they are considered to be acceptable alternatives for normal usage.

5.8.1 *Alternative 1*— Enter the table as described in 5.2, deciding beforehand that the required number of digits will be selected by moving up, down, right, or left from the number picked. Discard unusable numbers, and continue to the next number in the same direction. Decide beforehand what action to take when a number on the periphery of the table is reached and additional selections are needed.

5.8.2 *Alternative 2*— The user decides beforehand to begin in the top left corner (or top center, or bottom right, etc.) and move right and down (or left and up) picking the number of required usable numbers. Other variances might be: moving in the preplanned direction, picking every other number, or every third number, etc. Exercise care in using this method, giving numbers in the middle of the table an equal chance of being selected for any given time period.

6. Keywords

6.1 random number tables; sampling, random

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