ASTM INTERNATIONAL

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Standard Practice for
Random Sampling of Construction Materials[1]

This standard is issued under the fixed designation D3665; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

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 6 utilize the table of 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:*[2]
C172 Practice for Sampling Freshly Mixed Concrete
C183 Practice for Sampling and the Amount of Testing of Hydraulic Cement
D75 Practice for Sampling Aggregates
D140 Practice for Sampling Bituminous Materials
D345 Test Method for Sampling and Testing Calcium Chloride for Roads and Structural Applications
D979 Practice for Sampling Bituminous Paving Mixtures
D5361 Practice for Sampling Compacted Bituminous Mixtures for Laboratory Testing
E105 Practice for Probability Sampling of Materials
E122 Practice for Calculating Sample Size to Estimate, With Specified Precision, the Average for a Characteristic of a Lot or Process
E141 Practice for Acceptance of Evidence Based on the Results of Probability Sampling

3. Terminology

3.1 *Definitions of Terms Specific to This Standard:*

3.1.1 *representative sample*, *n*—(*1*) a random sample; or (*2*) an unbiased sample.

3.1.1.1 *random sample*, *n*—a sample obtained from a lot of material in such a manner that all parts of the lot have a known probability of being included in the sample.

3.1.1.2 *Discussion*—An example of random sample is the case where specifications limit roadway sampling to within one foot of the edge, therefore the probability of inclusion of samples within one foot of the edge is zero.

3.1.1.3 *unbiased sample*, *n*—a sample obtained from a lot of material in such a manner that all parts of the lot have an equal probability of being included in the sample.

4. Significance and Use

4.1 This practice is useful for determining the location or time, or both, to take a sample in order to 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.

4.2 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 C172, C183, D75, D140, D979, D5361, and Test Method D345.

4.3 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.

4.4 Additional sampling guidance is provided in Practice E105 concerning probability sampling, Practice E122 concerning choosing sample sizes to estimate the average quality of a lot or process (see Note 2), and in Practice E141 for acceptance of evidence based on results of probability sampling.

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NOTE 2—The guidance contained in Practice E122 is not available in other documents referenced in this section.

4.5 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 sublot 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

Row	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	0.0356	0.8697	0.2205	0.4538	0.8827	0.4225	0.4008	0.4615	0.7901	0.6500	0.3838	0.6723	0.3978	0.8775	0.5588	0.8829	0.8980	0.3108	0.8204	0.5809
2	0.8580	0.2990	0.4644	0.4871	0.8163	0.9263	0.4562	0.6337	0.3934	0.4141	0.9521	0.2879	0.6361	0.2021	0.7589	0.1870	0.9183	0.6149	0.4569	0.0378
3	0.8868	0.7446	0.6652	0.8173	0.4798	0.0117	0.3324	0.0097	0.6668	0.0963	0.0875	0.8582	0.7717	0.2669	0.0231	0.3648	0.2685	0.9928	0.9793	0.4411
4	0.7940	0.9892	0.5329	0.1233	0.0121	0.1633	0.2466	0.6142	0.3381	0.0445	0.3771	0.5309	0.9193	0.6072	0.1577	0.4387	0.7038	0.8757	0.2657	0.3006
5	0.0305	0.8423	0.6766	0.4190	0.2374	0.8753	0.4063	0.3408	0.9021	0.9039	0.5236	0.8083	0.3872	0.6830	0.8937	0.1957	0.8938	0.5609	0.7841	0.9078
6	0.1990	0.1379	0.1276	0.8425	0.7700	0.0468	0.4882	0.7197	0.6832	0.7265	0.1392	0.4944	0.1193	0.2191	0.9428	0.0598	0.1253	0.0438	0.2364	0.8283
7	0.7772	0.5641	0.3472	0.7382	0.3921	0.6947	0.1795	0.8053	0.3994	0.8987	0.9821	0.3976	0.9681	0.0133	0.4219	0.2847	0.6499	0.7325	0.2250	0.7163
8	0.8062	0.3416	0.7687	0.1519	0.3264	0.6758	0.9357	0.1854	0.4155	0.1200	0.6862	0.9827	0.8000	0.5474	0.6931	0.0730	0.7022	0.4352	0.8045	0.9308
9	0.0653	0.1296	0.4614	0.5070	0.1989	0.9625	0.9050	0.9109	0.3074	0.0470	0.8219	0.9812	0.8277	0.3898	0.1725	0.6658	0.2857	0.7811	0.1973	0.1144
10	0.4181	0.4971	0.3942	0.4448	0.2319	0.5155	0.9658	0.1595	0.1979	0.3377	0.2642	0.3430	0.0945	0.2011	0.5689	0.1731	0.4044	0.3248	0.2343	0.7948
11	0.9174	0.0714	0.3789	0.6153	0.5821	0.9347	0.5790	0.4254	0.8405	0.8805	0.5125	0.1703	0.5123	0.9250	0.5521	0.2550	0.6623	0.5314	0.3974	0.8612
12	0.3636	0.0533	0.7853	0.8393	0.2079	0.6486	0.7869	0.2127	0.2143	0.8966	0.2007	0.7918	0.5869	0.1063	0.8177	0.7662	0.8717	0.6379	0.8377	0.1199
13	0.5300	0.7917	0.4838	0.5933	0.1910	0.7645	0.3495	0.6484	0.9602	0.4602	0.1401	0.5121	0.4541	0.9585	0.7676	0.3336	0.9076	0.2465	0.8121	0.7186
14	0.2863	0.9575	0.2481	0.0518	0.1765	0.9679	0.1299	0.9131	0.3051	0.7447	0.3026	0.2638	0.8831	0.6835	0.9893	0.9380	0.2478	0.8369	0.8063	0.3094
15	0.0919	0.8835	0.1516	0.0738	0.7219	0.3144	0.1118	0.5779	0.3448	0.8988	0.4771	0.3194	0.5435	0.7660	0.2173	0.7613	0.7741	0.6532	0.7655	0.5319
16	0.2116	0.7835	0.9001	0.3824	0.2247	0.0826	0.5451	0.8301	0.6777	0.5574	0.1168	0.6111	0.6003	0.3233	0.1176	0.7856	0.7148	0.2957	0.5507	0.7956
17	0.5583	0.4657	0.9500	0.9321	0.7194	0.0313	0.1899	0.5829	0.9650	0.6273	0.6164	0.0801	0.8359	0.6847	0.2880	0.9049	0.7390	0.6729	0.5807	0.4152
18	0.3455	0.6793	0.5516	0.6413	0.0806	0.9489	0.2105	0.5373	0.5276	0.7742	0.6070	0.1399	0.4579	0.5358	0.8796	0.3889	0.9118	0.6181	0.3749	0.1136
19	0.9809	0.1277	0.2121	0.6564	0.8096	0.1339	0.1651	0.8728	0.5060	0.2562	0.0575	0.4796	0.1025	0.8165	0.4659	0.6653	0.2532	0.6848	0.5896	0.6978
20	0.3544	0.3332	0.1076	0.9623	0.9570	0.9005	0.7518	0.2124	0.7816	0.0524	0.3852	0.2564	0.3572	0.2538	0.2743	0.2239	0.2928	0.4689	0.6561	0.5525
21	0.3107	0.4720	0.8457	0.7880	0.3941	0.8184	0.7261	0.8509	0.8218	0.6054	0.2363	0.3096	0.9851	0.6575	0.3180	0.2515	0.0205	0.4551	0.9801	0.4422
22	0.3105	0.8302	0.4188	0.3404	0.6603	0.8052	0.7317	0.0376	0.4959	0.8992	0.4175	0.1798	0.6674	0.0772	0.9646	0.1547	0.9817	0.3133	0.9012	0.0555
23	0.2795	0.5932	0.5858	0.6159	0.3832	0.7783	0.5636	0.6465	0.0149	0.0369	0.7373	0.5268	0.1544	0.0465	0.9359	0.5398	0.4154	0.6665	0.5770	0.7976
24	0.1222	0.4230	0.9137	0.6906	0.6160	0.5612	0.2425	0.9598	0.2475	0.1652	0.2774	0.4059	0.7871	0.4323	0.2282	0.7970	0.1964	0.8050	0.5935	0.6852
25	0.3933	0.4639	0.9741	0.9616	0.5343	0.6853	0.0568	0.0109	0.5199	0.2707	0.7138	0.4932	0.4308	0.1584	0.0059	0.0467	0.8550	0.7407	0.3616	0.8418
26	0.6375	0.9508	0.6063	0.6271	0.0392	0.9462	0.7996	0.9033	0.8493	0.5789	0.3668	0.9685	0.3273	0.9763	0.7681	0.3785	0.3716	0.6096	0.5991	0.4977
27	0.8828	0.8225	0.7213	0.8026	0.9042	0.2941	0.4287	0.6298	0.3062	0.4836	0.1267	0.3965	0.5990	0.4737	0.1563	0.8610	0.2998	0.1816	0.4540	0.1608
28	0.4528	0.0677	0.9607	0.6735	0.7048	0.3927	0.6913	0.3480	0.7553	0.4496	0.4527	0.3829	0.3461	0.4393	0.0062	0.9974	0.3989	0.2966	0.0273	0.2672
29	0.8241	0.9913	0.6051	0.1978	0.7680	0.0890	0.9716	0.5439	0.2246	0.5703	0.5120	0.7354	0.6625	0.2479	0.4592	0.3497	0.7953	0.2891	0.1571	0.4415
30	0.7673	0.7565	0.8132	0.3048	0.7381	0.1866	0.3811	0.1395	0.9473	0.4633	0.2630	0.0805	0.5110	0.5886	0.6523	0.8708	0.1482	0.9179	0.7410	0.1800
31	0.1455	0.2822	0.5090	0.0486	0.1449	0.3154	0.6839	0.6125	0.2583	0.0908	0.4781	0.4029	0.3166	0.9201	0.9360	0.1265	0.6174	0.4998	0.7994	0.4431
32	0.5559	0.4417	0.9958	0.1375	0.3938	0.3579	0.3056	0.4888	0.9534	0.5698	0.4302	0.1562	0.3409	0.4339	0.5964	0.1856	0.9748	0.8212	0.8917	0.6114
33	0.3869	0.0389	0.8325	0.1481	0.9486	0.4295	0.2151	0.9310	0.6474	0.4319	0.8648	0.1625	0.7669	0.1420	0.1235	0.7456	0.4629	0.8687	0.8111	0.2848
34	0.6846	0.5393	0.5101	0.6459	0.3384	0.7169	0.7646	0.5726	0.7334	0.8675	0.5246	0.5501	0.7638	0.0602	0.5551	0.7096	0.8306	0.1124	0.9806	0.8261
35	0.7412	0.1670	0.9434	0.5619	0.7958	0.7664	0.5776	0.7392	0.8174	0.2921	0.4320	0.4198	0.4405	0.8766	0.5255	0.6235	0.2760	0.8997	0.3319	0.8305
36	0.2962	0.8959	0.1923	0.2913	0.3496	0.7490	0.3268	0.6689	0.5693	0.6985	0.8471	0.3621	0.2606	0.9251	0.4396	0.9781	0.9281	0.4138	0.5440	0.4003
37	0.5891	0.2476	0.5682	0.7971	0.7684	0.7739	0.9110	0.5279	0.2185	0.2267	0.5786	0.5259	0.6820	0.5864	0.8436	0.2467	0.2174	0.1038	0.3551	0.0790
38	0.6755	0.6776	0.0063	0.7536	0.4472	0.7270	0.6630	0.7563	0.9819	0.7059	0.4127	0.5392	0.2353	0.2671	0.2581	0.4313	0.1492	0.7071	0.4245	0.5256
39	0.0304	0.3065	0.7253	0.5462	0.4887	0.9677	0.0836	0.7073	0.6673	0.8901	0.6168	0.1682	0.6479	0.5838	0.9895	0.9052	0.8041	0.3085	0.7294	0.5430
40	0.1217	0.6469	0.1386	0.6736	0.8927	0.8188	0.3325	0.1298	0.1470	0.9798	0.4001	0.5649	0.4773	0.1993	0.5547	0.3928	0.1065	0.4847	0.7819	0.3952
41	0.7083	0.2750	0.5020	0.2919	0.1907	0.9975	0.1699	0.1580	0.2987	0.2015	0.4603	0.0733	0.8926	0.1103	0.1701	0.5732	0.7292	0.1786	0.8474	0.9932
42	0.0138	0.7882	0.5022	0.1523	0.0226	0.4346	0.6656	0.1293	0.6284	0.5922	0.2738	0.5046	0.0043	0.3289	0.6412	0.5496	0.0359	0.8640	0.7372	0.0145
43	0.9341	0.1961	0.2243	0.5299	0.3272	0.0774	0.3768	0.3298	0.3886	0.4275	0.0606	0.7166	0.3356	0.5960	0.3007	0.0351	0.9280	0.7488	0.5522	0.1032
44	0.8614	0.7227	0.3796	0.7818	0.6428	0.7740	0.6341	0.5229	0.2931	0.3303	0.8021	0.4166	0.0175	0.0163	0.1924	0.0722	0.0368	0.3633	0.9159	0.6930
45	0.5385	0.5289	0.9784	0.8562	0.5176	0.7345	0.9587	0.0743	0.6001	0.0235	0.5561	0.3000	0.6912	0.5096	0.0435	0.5320	0.2085	0.1597	0.4799	0.5171
46	0.5979	0.6094	0.0863	0.2458	0.9090	0.2937	0.8195	0.1778	0.1189	0.6117	0.6220	0.7426	0.8556	0.4642	0.7908	0.4669	0.5250	0.5791	0.6536	0.2349
47	0.9057	0.1826	0.2980	1.0000	0.6281	0.9134	0.7457	0.4114	0.1380	0.8544	0.9832	0.2391	0.3897	0.6078	0.5774	0.8249	0.3363	0.7580	0.3101	0.8290
48	0.4315	0.5204	0.7018	0.5839	0.8344	0.3552	0.3506	0.2907	0.2367	0.7180	0.4895	0.7000	0.3876	0.6223	0.8169	0.7256	0.5919	0.1493	0.6872	0.6166
49	0.3747	0.3067	0.5837	0.3798	0.2122	0.1231	0.7528	0.5004	0.8587	0.2019	0.5503	0.8136	0.2197	0.3593	0.9098	0.6697	0.8790	0.9954	0.8384	0.2616
50	0.2108	0.5876	0.3779	0.3313	0.9510	0.7574	0.7844	0.0986	0.9460	0.8196	0.6916	0.3286	0.4119	0.1974	0.4312	0.7993	0.5471	0.0599	0.7504	0.1550

TABLE 1 *Continued*

Row	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
51	0.2546	0.6608	0.5509	0.3473	0.5846	0.8948	0.2115	0.3412	0.1180	0.0740	0.9903	0.9390	0.3151	0.6119	0.5192	0.2134	0.3132	0.5544	0.9249	0.4246
52	0.8546	0.5976	0.4030	0.6020	0.4150	0.1462	0.3160	0.2477	0.9297	0.7111	0.7067	0.7858	0.5707	0.0520	0.1583	0.2253	0.7338	0.5280	0.2334	0.0896
53	0.3835	0.8346	0.1555	0.9635	0.5912	0.5211	0.2264	0.1373	0.6416	0.2488	0.5816	0.8532	0.9682	0.1575	0.2873	0.8617	0.8485	0.2526	0.5128	0.1782
54	0.3164	0.9559	0.6894	0.3290	0.0857	0.1933	0.3185	0.0699	0.0431	0.2781	0.6186	0.0907	0.5089	0.1892	0.2572	0.9905	0.0665	0.1066	0.9961	0.9930
55	0.3130	0.1475	0.9099	0.8060	0.0338	0.0625	0.0549	0.7349	0.3866	0.1752	0.5421	0.3931	0.6343	0.7156	0.8422	0.6514	0.7890	0.2924	0.1809	0.2692
56	0.7911	0.5716	0.0373	0.5861	0.1039	0.6798	0.8594	0.8317	0.0354	0.9736	0.8922	0.1227	0.5902	0.0797	0.7425	0.5556	0.2123	0.5029	0.1628	0.4869
57	0.9198	0.5400	0.0666	0.5460	0.4048	0.6112	0.4347	0.4186	0.9478	0.2586	0.9874	0.3600	0.0458	0.6272	0.1150	0.8650	0.4912	0.7474	0.5485	0.5702
58	0.8727	0.2502	0.4855	0.8685	0.4243	0.0791	0.4340	0.3848	0.9395	0.5653	0.0472	0.2773	0.5950	0.7770	0.2336	0.3219	0.4946	0.2358	0.0136	0.0330
59	0.7465	0.3035	0.9044	0.4627	0.0384	0.1256	0.9422	0.5983	0.0072	0.1259	0.0720	0.9546	0.0802	0.9629	0.8070	0.5780	0.2286	0.7404	0.7060	0.5826
60	0.4104	0.6921	0.0984	0.2920	0.0793	0.4349	0.4265	0.1730	0.0200	0.6064	0.1326	0.3555	0.9144	0.9922	0.7804	0.9459	0.1830	0.6811	0.4276	0.1316
61	0.1097	0.5659	0.6392	0.7802	0.6662	0.9464	0.3442	0.5566	0.8280	0.3671	0.7720	0.2833	0.3675	0.5129	0.0057	0.6463	0.6825	0.9235	0.6927	0.8999
62	0.6980	0.2260	0.4972	0.5389	0.6865	0.8203	0.1190	0.7523	0.7272	0.8088	0.2812	0.5218	0.1928	0.5062	0.5475	0.7935	0.9849	0.9666	0.1818	0.5131
63	0.2575	0.4500	0.9663	0.5629	0.8838	0.9085	0.5323	0.9553	0.3917	0.3432	0.6702	0.2046	0.6926	0.4418	0.2776	0.6738	0.2440	0.0118	0.5408	0.2125
64	0.3624	0.3423	0.8596	0.9755	0.4846	0.2517	0.5338	0.2676	0.9436	0.0976	0.4101	0.6086	0.0988	0.8668	0.4033	0.6795	0.6756	0.6212	0.7569	0.8055
65	0.8222	0.3631	0.3881	0.1022	0.3509	0.3887	0.2423	0.0577	0.5044	0.0706	0.7210	0.1573	0.5187	0.6372	0.4913	0.2858	0.4022	0.6483	0.1513	0.0025
66	0.4763	0.7779	0.3295	0.3471	0.0343	0.8435	0.6146	0.7817	0.4859	0.9916	0.8565	0.6196	0.8975	0.5998	0.2786	0.4389	0.7016	0.8589	0.5397	0.5203
67	0.5000	0.3427	0.8329	0.7514	0.2399	0.0183	0.7310	0.1436	0.5292	0.9037	0.0788	0.1806	0.5431	0.2875	0.5711	0.7307	0.5442	0.6565	0.9530	0.0185
68	0.9548	0.1317	0.3692	0.4280	0.6592	0.4038	0.3528	0.8551	0.7266	0.3088	0.6732	0.5436	0.5466	0.8979	0.5938	0.3667	0.3893	0.2952	0.1834	0.9225
69	0.8356	0.8715	0.8547	0.9212	0.8239	0.9386	0.6624	0.7850	0.0251	0.5142	0.9767	0.3939	0.6128	0.1647	0.3986	0.7305	0.6303	0.0500	0.6599	0.2715
70	0.5882	0.4558	0.9680	0.0627	0.2540	0.8893	0.4651	0.4861	0.2700	0.6421	0.9886	0.7685	0.9915	0.6972	0.6910	0.0873	0.9426	0.1312	0.3072	0.7391
71	0.2190	0.2271	0.2717	0.8276	0.0281	0.0763	0.2096	0.2451	0.4664	0.3208	0.1955	0.6079	0.7944	0.8260	0.4383	0.2789	0.2603	0.5531	0.0493	0.0605
72	0.2922	0.3093	0.5865	0.6215	0.4248	0.6450	0.6577	0.5731	0.3370	0.4061	0.0015	0.1508	0.1521	0.7616	0.2696	0.4490	0.8759	0.9814	0.3013	0.7892
73	0.1178	0.2965	0.1617	0.0297	0.3905	0.6713	0.4404	0.0547	0.6434	0.5139	0.6859	0.8806	0.4007	0.3244	0.1673	0.0682	0.2059	0.5847	0.1912	0.4636
74	0.1295	0.9782	0.2906	0.7815	0.7230	0.8611	0.4665	0.8308	0.3943	0.9129	0.6077	0.8336	0.8872	0.0830	0.1108	0.6274	0.3890	0.7675	0.5106	0.0111
75	0.5141	0.4623	0.5513	0.1438	0.1105	0.6557	0.5569	0.1110	0.2860	0.1020	0.3874	0.8288	0.6560	0.7091	0.6709	0.4762	0.7987	0.2315	0.1603	0.4196
76	0.5853	0.2747	0.6473	0.1026	0.2089	0.7015	0.5067	0.9451	0.1237	0.8133	0.6585	0.9194	0.0652	0.3249	0.0839	0.6641	0.0777	0.0878	0.9695	0.2816
77	0.4110	0.7807	0.8754	0.0541	0.4752	0.1526	0.5600	0.3168	0.0832	0.2293	0.3028	0.9696	0.4793	0.8392	0.1596	0.0992	0.1000	0.8046	0.9888	0.6655
78	0.5167	0.3983	0.4426	0.2527	0.1635	0.7252	0.1413	0.5606	0.8347	0.3875	0.7909	0.3786	0.8440	0.6594	0.5679	0.0012	0.5987	0.6515	0.9223	0.6139
79	0.1982	0.7567	0.1148	0.4870	0.0481	0.7068	0.3919	0.1331	0.2492	0.6501	0.0915	0.1450	0.8342	0.5792	0.6415	0.6476	0.2287	0.8181	0.3400	0.9688
80	0.4634	0.2602	0.5578	0.8942	0.7539	0.6455	0.6581	0.2793	0.9686	0.8559	0.1873	0.0860	0.1960	0.0564	0.8298	0.3618	0.3732	0.8265	0.1721	0.8501
81	0.0302	0.0719	0.0167	0.0066	0.7998	0.3643	0.4237	0.1904	0.8221	0.6369	0.7124	0.3628	0.0736	0.1422	0.1706	0.6000	0.3198	0.1669	0.2584	0.1477
82	0.4443	0.0143	0.7629	0.2361	0.8920	0.2954	0.5552	0.1488	0.9424	0.6084	0.2342	0.5625	0.2093	0.4201	0.5200	0.3414	0.3344	0.4109	0.7896	0.2328
83	0.0371	0.5697	0.8631	0.3015	0.4035	0.1266	0.6039	0.4485	0.1219	0.0303	0.1945	0.0559	0.4743	0.3084	0.4158	0.4693	0.1518	0.7710	0.4770	0.8066
84	0.4628	0.9706	0.7231	0.8601	0.3323	0.7347	0.0638	0.4956	0.4456	0.1691	0.4845	0.7761	0.6120	0.7964	0.9644	0.5884	0.9319	0.1410	0.2855	0.6175
85	0.9703	0.0829	0.5777	0.0586	0.8210	0.3002	0.3538	0.1160	0.2048	0.8852	0.9675	0.4803	0.1872	0.5223	0.8844	0.3855	0.3053	0.7120	0.7271	0.1683
86	0.8854	0.1850	0.7879	0.4043	0.6102	0.3582	0.5545	0.7288	0.0560	0.3410	0.1994	0.1654	0.2351	0.6783	0.2870	0.1052	0.7837	0.5800	0.5473	0.4377
87	0.3926	0.9017	0.7648	0.4238	0.7319	0.3531	0.5156	0.8029	0.4416	0.6563	0.9300	0.6920	0.6705	0.1062	0.3373	0.3542	0.3192	0.6976	0.3904	0.5391
88	0.1483	0.8554	0.5339	0.2454	0.5523	0.2567	0.0027	0.1445	0.6596	0.6345	0.3376	0.3545	0.9863	0.4532	0.1732	0.4079	0.9972	0.7152	0.3207	0.0498
89	0.7592	0.0971	0.6478	0.9858	0.9982	0.5885	0.8618	0.0453	0.6996	0.9081	0.2507	0.7709	0.0726	0.2402	0.7986	0.2821	0.0991	0.1210	0.8321	0.9303
90	0.6955	0.4163	0.4354	0.4244	0.4400	0.4936	0.2681	0.5122	0.4102	0.7316	0.1716	0.0904	0.4994	0.0655	0.2223	0.2513	0.9519	0.5237	0.2393	0.1736
91	0.4981	0.3125	0.6190	0.6731	0.9411	0.4116	0.3540	0.4132	0.1003	0.7107	0.8116	0.2221	0.6071	0.8360	0.0785	0.9453	0.0647	0.5115	0.0965	0.1802
92	0.2735	0.9790	0.3025	0.9467	0.2054	0.3637	0.7631	0.4447	0.8102	0.9413	0.2262	0.6778	0.2302	0.3177	0.5076	0.2923	0.5963	0.9988	0.9525	0.0238
93	0.6992	0.9299	0.0799	0.0193	0.3644	0.4494	0.1173	0.4441	0.4373	0.1261	0.5941	0.5752	0.3128	0.1081	0.7692	0.4842	0.4970	0.3292	0.3476	0.3851
94	0.3389	0.9630	0.2560	0.8841	0.9929	0.8908	0.6696	0.8924	0.9382	0.0367	0.3055	0.9999	0.2511	0.1208	0.5943	0.3966	0.2596	0.4973	0.5530	0.5827
95	0.4852	0.9074	0.3696	0.8701	0.9397	0.0403	0.4249	0.6616	0.3225	0.7302	0.9705	0.9594	0.8812	0.4216	0.1661	0.3439	0.0767	0.9278	0.3924	0.1397
96	0.5510	0.7836	0.0538	0.5080	0.8871	0.1212	0.5427	0.9899	0.8366	0.6305	0.7112	0.1986	0.3317	0.8271	0.8652	0.5811	0.5261	0.0779	0.6770	0.4655
97	0.6467	0.3791	0.5148	0.7082	0.2222	0.6147	0.2534	0.3685	0.6991	0.0669	0.3753	0.0400	0.8690	0.8703	0.9918	0.4433	0.8540	0.9216	0.3677	0.9164
98	0.8176	0.9404	0.0668	0.3498	0.1048	0.4597	0.5452	0.6403	0.5333	0.5977	0.7547	0.9387	0.1502	0.9701	0.3656	0.3819	0.7510	0.1971	0.5264	0.2433
99	0.9236	0.6258	0.1937	0.6027	0.2285	0.6666	0.9315	0.9538	0.9956	0.9491	0.1849	0.7845	0.6481	0.1051	0.5417	0.8270	0.6803	0.6724	0.2746	0.2333
100	0.5321	0.3037	0.4026	0.9737	0.9327	0.9430	0.1858	0.5202	0.6936	0.9253	0.7967	0.7937	0.2537	0.7593	0.8661	0.8025	0.5725	0.0406	0.1330	0.8593

TABLE 1 *Continued*

										Column										
Row	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
101	0.8233	0.7388	0.5986	0.6155	0.2751	0.8798	0.8013	0.4487	0.4273	0.4025	0.9056	0.2003	0.0206	0.2199	0.3909	0.8834	0.0526	0.7861	0.1005	0.9221
102	0.1517	0.3460	0.3386	0.7947	0.9274	0.1421	0.7284	0.4885	0.6441	0.8266	0.0166	0.7989	0.6382	0.0687	0.5877	0.3329	0.6929	0.2734	0.3689	0.1769
103	0.2512	0.3873	0.8084	0.8119	0.8399	0.6701	0.0262	0.4792	0.9121	0.0214	0.3781	0.4554	0.0964	0.6555	0.0731	0.9117	0.5951	0.1468	0.0256	0.4566
104	0.0405	0.1318	0.7157	0.7306	0.4130	0.0922	0.1909	0.9618	0.6975	0.6720	0.3767	0.2355	0.6678	0.3686	0.5413	0.3032	0.6075	0.6016	0.6280	0.7568
105	0.8373	0.4153	0.1808	0.0447	0.2384	0.0488	0.7275	0.0391	0.2730	0.7114	0.4954	0.1739	0.3915	0.2208	0.4774	0.4679	0.6081	0.8960	0.3163	0.7145
106	0.1030	0.1814	0.4089	0.2788	0.8811	0.5749	0.0029	0.7351	0.8147	0.9799	0.2819	0.7851	0.5324	0.2728	0.3614	0.5769	0.3142	0.6126	0.9222	0.1853
107	0.7923	0.6374	0.2536	0.9670	0.4923	0.3561	0.8863	0.3520	0.7224	0.7748	0.2768	0.6520	0.2689	0.9540	0.3654	0.9973	0.9577	0.8353	0.9811	0.3564
108	0.5011	0.2210	0.7279	0.2389	0.7196	0.4757	0.0081	0.0073	0.0755	0.7531	0.4892	0.6869	0.8131	0.5384	0.9628	0.6136	0.7951	0.9672	0.8318	0.4449
109	0.0306	0.0056	0.2265	0.4641	0.2504	0.9667	0.7639	0.5965	0.0798	0.0912	0.7395	0.7632	0.3936	0.4898	0.2449	0.4310	0.6885	0.4180	0.8972	0.1433
110	0.7103	0.1238	0.7026	0.4722	0.8468	0.0325	0.0824	0.4534	0.0761	0.7643	0.0694	0.4091	0.8365	0.1186	0.8367	0.9289	0.7571	0.4804	0.3258	0.7123
111	0.2215	0.4413	0.1061	0.2042	0.7193	0.0999	0.9445	0.3138	0.7350	0.9241	0.6026	0.0952	0.6324	0.4375	0.1794	0.0487	0.7508	0.3809	0.9127	0.0216
112	0.7703	0.7957	0.1425	0.0505	0.2371	0.8263	0.1398	0.6491	0.4128	0.3790	0.4921	0.1403	0.5486	0.0242	0.7267	0.1812	0.7866	0.4473	0.4545	0.6383
113	0.1780	0.3215	0.8424	0.7342	0.5508	0.2828	0.7130	0.2673	0.9166	0.1342	0.1770	0.2407	0.5394	0.3801	0.8018	0.0215	0.9218	0.9256	0.4728	0.3710
114	0.5371	0.1478	0.2339	0.9326	0.0967	0.5563	0.1408	0.5581	0.9217	0.0810	0.2900	0.4073	0.2459	0.4893	0.2721	0.7452	0.4779	0.1021	0.6352	0.0460
115	0.2516	0.2767	0.1192	0.6424	0.3150	0.5696	0.3444	0.7801	0.0905	0.3119	0.2655	0.0444	0.5410	0.3560	0.3977	0.4408	0.7229	0.5227	0.7141	0.1644
116	0.3438	0.2422	0.4611	0.9047	0.5010	0.1374	0.4588	0.9161	0.4242	0.5248	0.4519	0.1839	0.0573	0.5562	0.8934	0.1940	0.4947	0.4808	0.8351	0.8439
117	0.4501	0.3339	0.4385	0.7348	0.8815	0.3059	0.8744	0.8531	0.8848	0.0921	0.7494	0.0076	0.0924	0.8462	0.7810	0.1737	0.7084	0.9032	0.2297	0.3773
118	0.0662	0.2220	0.6300	0.4837	0.3364	0.0248	0.5401	0.9564	0.5382	0.6296	0.2862	0.6707	0.3405	0.0858	0.6106	0.9902	0.2803	0.3269	0.1981	0.1216
119	0.4584	0.8819	0.3970	0.2310	0.6801	0.2418	0.7848	0.3402	0.1797	0.8310	0.9645	0.2160	0.3118	0.8816	0.5592	0.5179	0.2404	0.9143	0.0019	0.2083
120	0.7657	0.9234	0.9173	0.5366	0.8983	0.2667	0.1889	0.4361	0.0821	0.5973	0.1992	0.6647	0.6093	0.5032	0.7427	0.3988	0.5372	0.6042	0.2431	0.3910
121	0.4701	0.7286	0.5529	0.0241	0.3665	0.2889	0.3856	0.4524	0.2797	0.4764	0.4241	0.4578	0.6431	0.3802	0.3659	0.6214	0.6334	0.6340	0.1568	0.4145
122	0.6889	0.7886	0.4520	0.8792	0.0565	0.5601	0.5586	0.8910	0.9361	0.6911	0.5311	0.8673	0.7367	0.2955	0.8293	0.9523	0.8104	0.0903	0.6244	0.7466
123	0.7746	0.7203	0.1441	0.0071	0.4434	0.1695	0.6304	0.6227	0.4510	0.1527	0.2866	0.8118	0.2633	0.8257	0.1938	0.9502	0.9711	0.4526	0.2289	0.1609
124	0.7800	0.2759	0.9959	0.7991	0.5880	0.5340	0.7337	0.9647	0.0287	0.9760	0.5009	0.4304	0.5488	0.7102	0.5213	0.8284	0.8161	0.9937	0.0084	0.4006
125	0.5185	0.5939	0.7839	0.4425	0.6407	0.4756	0.9810	0.8808	0.4508	0.7027	0.1894	0.3664	0.7534	0.3351	0.9957	0.8097	0.9779	0.0698	0.6464	0.8319
126	0.0576	0.2213	0.6492	0.0100	0.6615	0.9605	0.7796	0.6193	0.8537	0.2704	0.5249	0.6957	0.3598	0.7601	0.3382	0.2864	0.9055	0.6404	0.7374	0.4903
127	0.3127	0.1672	0.8012	0.5638	0.7208	0.8304	0.8519	0.8726	0.7086	0.1014	0.8094	0.4294	0.8278	0.1125	0.4316	0.2706	0.8626	0.1191	0.1750	0.3739
128	0.0994	0.2658	0.4766	0.6179	0.3766	0.1648	0.7080	0.4066	0.3008	0.4937	0.4260	0.8679	0.0333	0.7462	0.5444	0.9454	0.9227	0.9102	0.8858	0.1107
129	0.2325	0.7663	0.5349	0.7424	0.5744	0.5862	0.1693	0.7794	0.0454	0.4866	0.4708	0.2429	0.0321	0.3121	0.2311	0.2139	0.1859	0.4560	0.3327	0.3895
130	0.5284	0.9785	0.6622	0.8905	0.6009	0.9141	0.9071	0.2280	0.9154	0.4406	0.3165	0.1183	0.2496	0.5691	0.9506	0.5049	0.6513	0.2259	0.0407	0.4403
131	0.1711	0.2165	0.4124	0.6182	0.1495	0.6091	0.6627	0.8584	0.5015	0.7654	0.5445	0.0760	0.0050	0.9555	0.8250	0.6583	0.7220	0.2576	0.5152	0.6040
132	0.8292	0.9837	0.7389	0.8395	0.3358	0.5590	0.2970	0.0179	0.9889	0.2731	0.8458	0.8495	0.9232	0.9887	0.8564	0.1340	0.0615	0.2416	0.3369	0.8019
133	0.3982	0.1369	0.7511	0.9103	0.8007	0.6657	0.1906	0.9668	0.9878	0.4662	0.1791	0.0112	0.7857	0.8913	0.3602	0.3114	0.9712	0.9396	0.5257	0.1310
134	0.3914	0.2257	0.3769	0.3092	0.9455	0.0513	0.4860	0.6809	0.2024	0.3287	0.4863	0.4088	0.0010	0.8552	0.3944	0.3320	0.7546	0.1011	0.2725	0.4585
135	0.8275	0.2411	0.9702	0.8371	0.7870	0.1004	0.5675	0.8541	0.3005	0.3687	0.4023	0.3328	0.5972	0.6989	0.4290	0.8658	0.9063	0.2809	0.9939	0.3271
136	0.4904	0.2445	0.3076	0.8450	0.3309	0.9800	0.7234	0.4288	0.7872	0.1542	0.2187	0.1280	0.9505	0.3581	0.5114	0.9331	0.5670	0.6997	0.7037	0.4094
137	0.9723	0.3683	0.5178	0.7332	0.5897	0.2025	0.1016	0.0659	0.9507	0.7778	0.2304	0.1246	0.5424	0.1821	0.2014	0.9995	0.6107	0.5162	0.3586	0.1158
138	0.4673	0.3854	0.2680	0.0410	0.6364	0.1009	0.5315	0.1627	0.5290	0.0152	0.7314	0.8324	0.7190	0.5164	0.1417	0.6593	0.5808	0.9836	0.8409	0.3261
139	0.6232	0.5975	0.3158	0.8077	0.8198	0.9128	0.2117	0.6331	0.1658	0.0574	0.1072	0.0808	0.5931	0.3807	0.6948	0.0639	0.9633	0.9948	0.7379	0.2381
140	0.1229	0.3171	0.9588	0.8016	0.8191	0.1220	0.4330	0.7049	0.2452	0.4194	0.4935	0.1019	0.5728	0.2518	0.0855	0.1396	0.8572	0.9756	0.8784	0.0838
141	0.3534	0.3993	0.8814	0.9834	0.3265	0.5332	0.0581	0.0049	0.4739	0.0834	0.6727	0.7963	0.1842	0.4951	0.8877	0.8818	0.1828	0.5909	0.3775	0.0225
142	0.0358	0.6695	0.1679	0.4727	0.5784	0.5536	0.6663	0.6502	0.9808	0.3516	0.6056	0.5889	0.4480	0.6903	0.9351	0.0480	0.7012	0.4503	0.8993	0.5903
143	0.7023	0.5079	0.5143	0.2732	0.5710	0.8108	0.4694	0.3018	0.4255	0.3043	0.8071	0.0324	0.8089	0.4148	0.0434	0.5135	0.2177	0.6088	0.8557	0.2708
144	0.8361	0.5883	0.5205	0.5387	0.9324	0.0998	0.4171	0.8592	0.6851	0.5944	0.6445	0.1167	0.7453	0.9542	0.6035	0.1140	0.4010	0.6660	0.8235	0.3841
145	0.0708	0.7824	0.3239	0.0275	0.7604	0.8777	0.4481	0.9730	0.4395	0.1412	0.8755	0.6100	0.4568	0.2070	0.8517	0.3195	0.1050	0.8206	0.0240	0.0278
146	0.9544	0.9123	0.3752	0.4475	0.0414	0.5845	0.9138	0.4906	0.4747	0.3755	0.9766	0.7775	0.0865	0.0705	0.6277	0.3709	0.7029	0.5873	0.1760	0.5479
147	0.3608	0.3380	0.4976	0.6914	0.8939	0.1747	0.8086	0.8609	0.4915	0.1893	0.4576	0.5962	0.5282	0.6440	0.6346	0.0572	0.9718	0.9869	0.2497	0.5232
148	0.0959	0.5968	0.6667	0.6472	0.0825	0.2620	0.4457	0.1464	0.7330	0.7140	0.3422	0.7721	0.6422	0.4309	0.0322	0.7377	0.6519	0.0283	0.5378	0.2910
149	0.2646	0.3061	0.6401	0.0473	0.2736	0.3655	0.0180	0.7789	0.6021	0.5739	0.6173	0.2335	0.8807	0.0269	0.8432	0.1996	0.5672	0.2484	0.9783	0.1503
150	0.4548	0.4017	0.5012	0.3348	0.7063	0.2682	0.5433	0.0895	0.1574	0.8211	0.0840	0.4368	0.8246	0.0489	0.9901	0.4675	0.3511	0.6864	0.1286	0.1742

TABLE 1 *Continued*

Row	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
151	0.2400	0.9470	0.1355	0.0053	0.8095	0.2549	0.7104	0.8787	0.3935	0.3830	0.1093	0.9148	0.1096	0.5575	0.5735	0.0229	0.6202	0.6466	0.1236	0.0150
152	0.7136	0.7122	0.6791	0.1843	0.0632	0.2487	0.4024	0.0020	0.8526	0.3280	0.2972	0.6189	0.2178	0.3867	0.0675	0.3243	0.7814	0.2153	0.9482	0.7591
153	0.4864	0.0771	0.5350	0.2235	0.5518	0.5154	0.0769	0.7281	0.9933	0.6328	0.5833	0.6944	0.9693	0.0080	0.0693	0.4854	0.9469	0.2067	0.6409	0.6037
154	0.8741	0.6436	0.1895	0.9495	0.1027	0.5310	0.8607	0.0867	0.8718	0.3697	0.7129	0.2763	0.6261	0.2874	0.2555	0.0427	0.5761	0.5316	0.9515	0.6330
155	0.6373	0.7914	0.4616	0.5231	0.9776	0.3672	0.1639	0.7747	0.6110	0.0120	0.6133	0.9862	0.2927	0.2524	0.8107	0.0451	0.4262	0.4353	0.5416	0.4455
156	0.3702	0.5095	0.3230	0.2631	0.9034	0.1860	0.6833	0.4561	0.4174	0.9579	0.5709	0.1164	0.6393	0.2192	0.8124	0.0105	0.6617	0.9986	0.7873	0.0436
157	0.1499	0.7173	0.8067	0.9552	0.6949	0.2276	0.6871	0.0044	0.4522	0.0803	0.9558	0.1195	0.0033	0.3694	0.5815	0.7464	0.5082	0.5747	0.6219	0.8494
158	0.2136	0.0711	0.1535	0.7403	0.6559	0.5159	0.8087	0.4239	0.3609	0.7053	0.3823	0.3695	0.9554	0.0931	0.9442	0.2179	0.3820	0.0417	0.8408	
159	0.9065	0.4369	0.1494	0.8101	0.2457	0.6266	0.2896	0.0370	0.6211	0.9946	0.3850	0.9304	0.6288	0.2916	0.2887	0.4966	0.2600	0.1623	0.4258	0.3975
160	0.1613	0.1581	0.7905	0.0501	0.8175	0.2022	0.3971	0.3601	0.5061	0.6789	0.8496	0.7614	0.1540	0.3346	0.4873	0.9045	0.8855	0.3719	0.2130	0.9007
161	0.5801	0.1069	0.3623	0.5907	0.3122	0.7863	0.8315	0.6570	0.4459	0.8412	0.6954	0.4327	0.6815	0.9403	0.8514	0.1947	0.4424	0.6275	0.1226	0.7119
162	0.3575	0.1471	0.6595	0.9269	0.6806	0.5685	0.4953	0.9064	0.6444	0.4474	0.5660	0.8646	0.6025	0.7997	0.9043	0.0134	0.4205	0.4274	0.5023	0.3305
163	0.9867	0.0285	0.2568	0.0622	0.5326	0.3536	0.8281	0.6262	0.2983	0.5639	0.8527	0.0162	0.5146	0.3828	0.7014	0.5251	0.1405	0.4617	0.6621	0.4917
164	0.4046	0.0259	0.9985	0.9245	0.5580	0.6728	0.1177	0.8085	0.6525	0.0847	0.6333	0.0820	0.2823	0.4370	0.4993	0.2589	0.2324	0.2110	0.7862	0.8773
165	0.5971	0.2490	0.0978	0.4544	0.5428	0.3097	0.0388	0.9531	0.4032	0.9942	0.2144	0.3730	0.9229	0.0318	0.3653	0.3960	0.3541	0.0843	0.6613	0.3484
166	0.2133	0.0856	0.7072	0.3459	0.3507	0.6034	0.0042	0.6831	0.2172	0.2978	0.2249	0.0091	0.1461	0.2500	0.9567	0.0766	0.6576	0.3877	0.5395	0.0548
167	0.9860	0.5763	0.2217	0.9571	0.3270	0.7020	0.8229	0.8427	0.2112	0.8776	0.7771	0.4908	0.2780	0.7002	0.5669	0.2914	0.0353	0.5217	0.7688	0.2867
168	0.0663	0.9018	0.4929	0.7168	0.0845	0.7822	0.5482	0.7433	0.2628	0.3242	0.3365	0.3883	0.4943	0.5796	0.6765	0.4514	0.7554	0.3355	0.1100	0.9520
169	0.1147	0.6887	0.6940	0.7467	0.6108	0.8856	0.2525	0.5898	0.5921	0.8681	0.7781	0.0007	0.5016	0.9209	0.2514	0.5407	0.5040	0.0673	0.6387	0.5680
170	0.1588	0.4624	0.6405	0.6938	0.0691	0.3713	0.5997	0.9769	0.3172	0.4919	0.1876	0.6050	0.5145	0.0881	0.6253	0.7243	0.6022	0.7003	0.5245	0.9415
171	0.1336	0.2131	0.0146	0.7469	0.8357	0.2506	0.8977	0.0973	0.1247	0.3020	0.5713	0.8672	0.7171	0.1453	0.3733	0.6981	0.5570	0.7418	0.6813	0.4226
172	0.0911	0.6038	0.4362	0.4210	0.0258	0.3678	0.3491	0.1174	0.5083	0.2195	0.2756	0.6898	0.1452	0.1984	0.0336	0.6259	0.9509	0.3947	0.7108	0.1327
173	0.7611	0.4379	0.7139	0.1539	0.9907	0.9358	0.6154	0.5181	0.5305	0.2103	0.7842	0.8134	0.9450	0.9312	0.8380	0.7667	0.7798	0.7167	0.9356	0.8666
174	0.4867	0.6332	0.3499	0.5454	0.5306	0.7745	0.1127	0.8825	0.1514	0.2806	0.0504	0.9286	0.4271	0.5478	0.8600	0.4050	0.9968	0.7505	0.9871	0.2306
175	0.5112	0.4266	0.2934	0.0339	0.6162	0.6509	0.2722	0.8454	0.8729	0.2463	0.5487	0.8374	0.7434	0.9497	0.8333	0.8227	0.3155	0.5775	0.3447	0.8820
176	0.0265	0.8056	0.0506	0.1119	0.7785	0.2757	0.6310	0.8943	0.1976	0.0090	0.2794	0.1126	0.3362	0.0432	0.8595	0.2485	0.7876	0.2890	0.8451	0.6638
177	0.6682	0.1079	0.7025	0.7805	0.6512	0.0023	0.4479	0.1357	0.9484	0.7982	0.7767	0.9493	0.4949	0.0142	0.5673	0.8307	0.9152	0.3378	0.4840	0.0531
178	0.8078	0.3188	0.0584	0.4232	0.3588	0.1677	0.3023	0.2034	0.2434	0.3135	0.3806	0.0102	0.1321	0.9441	0.4462	0.6552	0.9536	0.0540	0.4080	0.4147
179	0.1632	0.8624	0.4570	0.0125	0.4218	0.7057	0.6969	0.6224	0.7144	0.9773	0.9172	0.5604	0.8362	0.0236	0.9673	0.1762	0.0604	0.6752	0.7830	0.1801
180	0.5169	0.4965	0.1142	0.8760	0.8804	0.9393	0.4165	0.9707	0.8795	0.8005	0.0130	0.4410	0.3012	0.4146	0.2761	0.8667	0.0101	0.2592	0.0582	0.2016
181	0.3658	0.4234	0.4805	0.5271	0.8549	0.0696	0.0553	0.8372	0.5091	0.0197	0.2340	0.0496	0.4438	0.3031	0.9568	0.0411	0.2784	0.7626	0.4476	0.8069
182	0.9617	0.9068	0.0849	0.1929	0.6247	0.3482	0.2758	0.1883	0.0360	0.7665	0.8990	0.6058	0.7290	0.9320	0.1344	0.9392	0.7867	0.1087	0.0482	0.4343
183	0.5260	0.4350	0.3057	0.5105	0.3247	0.1418	0.9926	0.5546	0.5993	0.6306	0.7636	0.9238	0.0910	0.2057	0.0561	0.9496	0.6045	0.9381	0.7516	0.2227
184	0.2727	0.9488	0.3211	0.0279	0.0187	0.1558	0.5353	0.0237	0.7333	0.9935	0.1559	0.8267	0.3425	0.8363	0.4364	0.7245	0.3707	0.2820	0.9729	0.6239
185	0.6909	0.6231	0.1035	0.7904	0.4765	0.9153	0.3577	0.1364	0.0335	0.2565	0.3395	0.6494	0.8909	0.0085	0.7411	0.7165	0.1388	0.7928	0.2362	0.9632
186	0.1281	0.1064	0.1719	0.9582	0.8763	0.1952	0.6325	0.1776	0.1263	0.1071	0.7471	0.1446	0.2181	0.4176	0.6256	0.9562	0.7408	0.7786	0.9075	0.2037
187	0.2798	0.4281	0.2236	0.6858	0.7143	0.9124	0.9252	0.1724	0.6183	0.9231	0.4928	0.3070	0.0521	0.8403	0.4016	0.8130	0.2028	0.2049	0.0323	0.2832
188	0.1082	0.1323	0.2114	0.5328	0.2653	0.0585	0.1252	0.6457	0.0570	0.8335	0.5874	0.9855	0.9104	0.6958	0.5848	0.2903	0.3918	0.8145	0.3420	0.6290
189	0.2322	0.9744	0.2971	0.7620	0.0456	0.8093	0.6692	0.7945	0.4250	0.5771	0.6226	0.9700	0.0941	0.9038	0.6349	0.8234	0.4064	0.8048	0.3630	0.1543
190	0.4604	0.1586	0.2953	0.8750	0.3187	0.8385	0.3759	0.5852	0.9979	0.4045	0.7241	0.6884	0.3415	0.8201	0.4269	0.1622	0.2074	0.3932	0.4090	0.2211
191	0.6371	0.7719	0.5945	0.4931	0.5446	0.7431	0.6606	0.0064	0.2577	0.0078	0.9643	0.8220	0.7212	0.8780	0.5298	0.4968	0.1611	0.6804	0.8874	0.5013
192	0.9011	0.2601	0.6953	0.8103	0.9921	0.9561	0.9053	0.5585	0.5293	0.8205	0.4454	0.0539	0.5754	0.1620	0.0702	0.9461	0.3923	0.7079	0.9694	0.0583
193	0.0725	0.0637	0.7550	0.0495	0.0916	0.9722	0.3590	0.9440	0.9757	0.4004	0.7797	0.3052	0.8721	0.0267	0.4391	0.3725	0.1083	0.3500	0.5870	0.5207
194	0.2455	0.6052	0.8073	0.4097	0.6044	0.5476	0.0654	0.4795	0.3237	0.0218	0.0724	0.1745	0.6819	0.4707	0.6964	0.3083	0.4401	0.8429	0.8100	0.7061
195	0.0809	0.2835	0.8162	0.2943	0.0601	0.7248	0.0676	0.9882	0.4356	0.6124	0.0626	0.4483	0.2314	0.2296	0.6398	0.1649	0.0563	0.2356	0.2071	0.1694
196	0.3342	0.6526	0.5216	0.9014	0.5812	0.3218	0.2167	0.4105	0.8991	0.2450	0.1759	0.9282	0.8880	0.4754	0.6184	0.1787	0.3446	0.9843	0.3622	0.3485
197	0.5875	0.1311	0.2272	0.0880	0.5607	0.9752	0.0515	0.3354	0.8503	0.7712	0.4478	0.2375	0.2737	0.4797	0.3086	0.8378	0.9248	0.6844	0.6140	0.7423
198	0.1033	0.4117	0.5794	0.3027	0.9621	0.7043	0.6397	0.5758	0.1740	0.3245	0.1149	0.4670	0.4098	0.2323	0.7361	0.3527	0.0016	0.6200	0.8571	0.8686
199	0.2872	0.9927	0.6710	0.0390	0.2058	0.6122	0.3232	0.4482	0.2004	0.8262	0.4939	0.6802	0.7828	0.0452	0.5753	0.9662	0.9477	0.3217	0.7077	0.2678
200	0.1232	0.2036	0.5221	0.1351	0.9721	0.1852	0.6534	0.6915	0.1764	0.9654	0.3645	0.1155	0.5457	0.4815	0.9046	0.0852	0.9522	0.7346	0.1727	0.6746

TABLE 1 *Continued*

Row	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
201	0.9119	0.4293	0.6792	0.2999	0.3584	0.7300	0.5458	0.0271	0.5643	0.1170	0.6342	0.8512	0.9305	0.5738	0.2850	0.2802	0.8916	0.0807	0.5119	0.3183
202	0.2886	0.7696	0.5313	0.2331	0.3708	0.4760	0.5041	0.8566	0.4182	0.9270	0.6988	0.1638	0.0307	0.6336	0.5722	0.7492	0.8437	0.4891	0.8453	0.5554
203	0.7437	0.6531	0.7216	0.7706	0.4732	0.0914	0.4113	0.3539	0.7764	0.2242	0.9991	0.9499	0.1112	0.8568	0.9593	0.2135	0.6854	0.9850	0.6573	0.8358
204	0.0032	0.0018	0.4187	0.5930	0.1304	0.4653	0.8710	0.5745	0.9989	0.2140	0.3529	0.3510	0.2104	0.8386	0.4386	0.6145	0.6073	0.1434	0.0900	0.2295
205	0.5283	0.2365	0.6672	0.8411	0.6681	0.5656	0.1303	0.8724	0.0311	0.2060	0.4301	0.7961	0.6952	0.2733	0.3997	0.8122	0.2359	0.2097	0.5414	0.1607
206	0.8930	0.4504	0.8226	0.3714	0.0894	0.2915	0.5226	0.8040	0.4948	0.6242	0.4142	0.9346	0.7198	0.1589	0.2660	0.3335	0.8978	0.7984	0.0887	0.1723
207	0.5594	0.6935	0.1674	0.5683	0.4355	0.8670	0.1758	0.1223	0.6049	0.2426	0.6579	0.7318	0.5344	0.3064	0.6115	0.2842	0.2766	0.8528	0.7808	0.3587
208	0.2248	0.1139	0.7172	0.6314	0.4525	0.4535	0.6747	0.2498	0.3259	0.8015	0.7436	0.3190	0.9100	0.6376	0.6454	0.0936	0.6507	0.8677	0.0429	0.1980
209	0.9949	0.2098	0.4738	0.2294	0.9879	0.1823	0.5198	0.0129	0.4565	0.4282	0.3797	0.6141	0.0379	0.6257	0.7627	0.5814	0.0249	0.0317	0.6138	0.4134
210	0.5662	0.3115	0.9316	0.7762	0.6105	0.3470	0.7159	0.7301	0.6788	0.1729	0.1365	0.1768	0.6316	0.0092	0.9479	0.3134	0.8251	0.2547	0.7127	0.0523
211	0.5887	0.3992	0.6635	0.0415	0.1641	0.0985	0.0933	0.0286	0.4209	0.8657	0.3284	0.0536	0.3567	0.0980	0.1804	0.9246	0.3343	0.7988	0.6029	0.9768
212	0.4445	0.2958	0.0974	0.0404	0.8182	0.6838	0.3251	0.0977	0.6637	0.9146	0.8125	0.8149	0.8106	0.9717	0.1696	0.7907	0.1534	0.6497	0.4082	0.6651
213	0.5642	0.3352	0.2595	0.2898	0.7572	0.8682	0.4753	0.4156	0.0408	0.6607	0.5273	0.4217	0.0437	0.4111	0.5035	0.0786	0.9264	0.5591	0.9230	0.6574
214	0.3075	0.8731	0.7732	0.8500	0.4421	0.1333	0.0201	0.2810	0.9335	0.0284	0.4392	0.3619	0.1531	0.5219	0.3291	0.5126	0.6967	0.7640	0.1746	0.4306
215	0.0028	0.6090	0.4556	0.3772	0.2379	0.6326	0.2376	0.9590	0.9691	0.9518	0.7622	0.6784	0.0817	0.3537	0.1347	0.5984	0.9437	0.8923	0.5331	0.2101
216	0.5924	0.2175	0.5214	0.7160	0.7360	0.1713	0.3626	0.8297	0.9136	0.8154	0.8963	0.9353	0.5183	0.9111	0.8192	0.6246	0.2291	0.1218	0.1419	0.4957
217	0.2790	0.6268	0.0393	0.4783	0.9964	0.6276	0.5195	0.4877	0.3549	0.3585	0.0901	0.1457	0.0534	0.9092	0.2662	0.3896	0.4574	0.1775	0.1258	0.9897
218	0.5917	0.4511	0.9900	0.7482	0.9022	0.8914	0.4021	0.7704	0.3703	0.7249	0.8809	0.9072	0.9626	0.7291	0.0893	0.1692	0.4643	0.6265	0.8576	0.2421
219	0.3429	0.0889	0.5088	0.6207	0.4056	0.9405	0.4324	0.5765	0.2508	0.5497	0.3147	0.9456	0.5543	0.8539	0.3845	0.9333	0.4685	0.0002	0.9909	0.3639
220	0.2424	0.5420	0.1448	0.8705	0.4834	0.9115	0.4157	0.5352	0.5655	0.7898	0.7521	0.3345	0.0617	0.4328	0.4776	0.3604	0.8785	0.0859	0.2461	0.4452
221	0.5297	0.3650	0.4777	0.8553	0.2073	0.4883	0.0512	0.5047	0.0683	0.4121	0.2161	0.8482	0.1939	0.0951	0.7441	0.0703	0.1305	0.2414	0.8669	0.0461
222	0.4013	0.7179	0.8521	0.0228	0.7755	0.2714	0.4344	0.1070	0.4170	0.5490	0.0660	0.9595	0.0342	0.4429	0.1861	0.2936	0.7708	0.2068	0.1198	0.4745
223	0.1553	0.1159	0.4986	0.2677	0.0678	0.2301	0.5495	0.9596	0.6553	0.3199	0.1163	0.4222	0.8524	0.9205	0.8822	0.5441	0.8502	0.1117	0.0293	0.0315
224	0.3078	0.9910	0.2030	0.5335	0.4924	0.7833	0.0969	0.7397	0.6435	0.4640	0.2775	0.0035	0.6530	0.0157	0.0765	0.0040	0.5954	0.1407	0.5270	0.8242
225	0.9996	0.2959	0.0631	0.8892	0.5064	0.6841	0.4989	0.9349	0.7133	0.3340	0.1863	0.7930	0.7765	0.0484	0.3526	0.3285	0.8031	0.1505	0.8867	0.9414
226	0.1836	0.7493	0.5966	0.1287	0.3033	0.8337	0.9998	0.3548	0.3833	0.3920	0.0199	0.5243	0.9709	0.5613	0.5844	0.7513	0.0161	0.3740	0.3038	0.1345
227	0.2837	0.4502	0.1958	0.9684	0.8585	0.3583	0.4769	0.3690	0.5593	0.0544	0.3148	0.7479	0.7035	0.9394	0.2232	0.2695	0.6892	0.0746	0.6243	0.1630
228	0.2273	0.5209	0.0375	0.8623	0.2711	0.0906	0.7005	0.7594	0.6443	0.9427	0.1983	0.2350	0.1088	0.9432	0.4184	0.7689	0.9796	0.7329	0.9224	0.3178
229	0.1916	0.8788	0.1773	0.9574	0.0664	0.4523	0.2712	0.6687	0.7652	0.1549	0.8581	0.6618	0.1437	0.3421	0.1879	0.7683	0.5819	0.8282	0.2224	0.9339
230	0.0401	0.2169	0.6131	0.1757	0.8051	0.6218	0.5646	0.7483	0.7595	0.9764	0.4337	0.1833	0.5550	0.0770	0.8605	0.5075	0.6900	0.5354	0.3663	0.4360
231	0.5369	0.9410	0.3330	0.5077	0.6700	0.5616	0.9354	0.2258	0.5854	0.1841	0.5640	0.0926	0.5002	0.6462	0.3436	0.9665	0.3235	0.9597	0.8054	0.5481
232	0.0443	0.6510	0.6571	0.7562	0.4710	0.5247	0.2035	0.5085	0.9604	0.8799	0.2674	0.3334	0.7263	0.5557	0.5617	0.8438	0.8696	0.3129	0.8878	0.5666
233	0.6335	0.8197	0.9865	0.8968	0.1315	0.8092	0.4978	0.0956	0.1576	0.0732	0.0170	0.7283	0.8214	0.0594	0.1273	0.6628	0.5831	0.4172	0.0061	0.9636
234	0.4470	0.4590	0.8709	0.0357	0.3297	0.2904	0.8074	0.1908	0.0554	0.6282	0.0816	0.0151	0.8613	0.7481	0.9323	0.8334	0.4206	0.8879	0.5186	0.1743
235	0.3071	0.0126	0.3778	0.6706	0.7792	0.4572	0.0232	0.9369	0.2563	0.0947	0.7046	0.1656	0.2553	0.8678	0.3793	0.5824	0.1525	0.7399	0.9197	0.8850
236	0.0070	0.6099	0.7598	0.9325	0.6238	0.3884	0.1055	0.8733	0.5949	0.3858	0.7206	0.1541	0.3413	0.7507	0.2702	0.9653	0.3252	0.5595	0.9367	0.5783
237	0.5104	0.7074	0.9202	0.0110	0.0783	0.6684	0.8994	0.8793	0.6693	0.9431	0.6036	0.5052	0.0396	0.2198	0.2077	0.2126	0.1763	0.7621	0.8264	0.8543
238	0.4297	0.8364	0.1359	0.3737	0.7635	0.8376	0.1643	0.0949	0.8861	0.6861	0.0426	0.2398	0.0609	0.5953	0.4850	0.1241	0.0168	0.6390	0.0566	0.5411
239	0.3479	0.0828	0.0158	0.8719	0.8286	0.7076	0.2651	0.6863	0.4076	0.5730	0.4823	0.9642	0.1194	0.4721	0.8316	0.7893	0.7240	0.9398	0.3748	0.5956
240	0.4169	0.2032	0.5538	0.1710	0.2268	0.1360	0.5830	0.9950	0.3937	0.5069	0.0879	0.5855	0.6522	0.7353	0.1090	0.9733	0.8049	0.2435	0.1636	0.5357
241	0.7693	0.3388	0.3505	0.1741	0.8634	0.1381	0.0656	0.9125	0.0123	0.2597	0.4435	0.8279	0.5539	0.6389	0.8912	0.5006	0.4901	0.2137	0.1965	0.8513
242	0.2045	0.8919	0.5834	0.7698	0.2997	0.5165	0.2394	0.0399	0.1925	0.2118	0.4179	0.7215	0.3100	0.6611	0.1214	0.9155	0.0611	0.0128	0.4681	0.1969
243	0.9526	0.5365	0.6480	0.3770	0.3263	0.7164	0.4542	0.0569	0.2050	0.4115	0.7670	0.1250	0.6151	0.7920	0.0221	0.2614	0.9861	0.2495	0.6686	0.4200
244	0.3641	0.7376	0.1132	0.6771	0.7339	0.3034	0.5548	0.5491	0.1805	0.5978	0.5025	0.1820	0.0127	0.5063	0.0882	0.4830	0.0545	0.5867	0.3254	0.9725
245	0.8464	0.5361	0.7995	0.7289	0.9953	0.8008	0.7952	0.7226	0.7522	0.5419	0.4674	0.0819	0.0139	0.2679	0.9728	0.8671	0.8929	0.0189	0.0642	0.2605
246	0.9199	0.3831	0.2183	0.9516	0.0670	0.1599	0.9592	0.0469	0.3146	0.8932	0.0220	0.4067	0.7916	0.2932	0.5456	0.4325	0.7260	0.5347	0.4296	0.1162
247	0.5674	0.5596	0.8530	0.3524	0.5422	0.3861	0.1404	0.0813	0.8034	0.7269	0.3399	0.6659	0.5450	0.9841	0.2531	0.3634	0.9734	0.5360	0.5026	0.5913
248	0.8042	0.7182	0.2061	0.2372	0.3095	0.2283	0.8300	0.8918	0.6875	0.0004	0.6588	0.0280	0.8312	0.2749	0.1054	0.0230	0.8332	0.1479	0.4848	0.9847
249	0.9419	0.8340	0.9622	0.4750	0.1538	0.2902	0.0309	0.1855	0.4868	0.9242	0.9770	0.0181	0.3962	0.0835	0.0742	0.4741	0.5535	0.3885	0.7566	0.4499
250	0.4164	0.0970	0.6810	0.7758	0.9581	0.6533	0.0923	0.4731	0.9805	0.0939	0.3475	0.4600	0.2084	0.5906	0.9112	0.3956	0.9165	0.4077	0.5785	0.9687