

Random Numbers

1581122316	2068577984	8262130892	8374856049	4637567488
0328105582	7295088579	9586111652	7055508767	6472382934
4112077556	3440672486	1882412963	0684012006	0933147914
7457477468	5435810788	9670852913	1291265730	4890031305
0099520858	3090908872	2039593181	5973470495	9776135501
7245174840	2275698645	8416540348	4676463101	2229367983
6749420382	4832630032	5670984959	5432114610	2966095680
5503161011	7413686599	1198757695	0414294470	0140121598
7164238934	7666127259	5263097712	5133648980	4011966963
3593969525	0272759760	0385998136	9099089966	7544056852
4192054466	0700014629	5169439659	8408705169	1074373131
9697426117	6488888550	4031652526	8123543276	0927534537
2007950579	9564268448	3457416988	1531027886	7016633739
4584768758	2389278610	3859431781	3643768456	4141314518
3840145867	9120831830	7228567652	1267173884	4020651657
0190153442	4800088084	1165628559	5407921254	3768932478
6766554338	5585265145	5089052204	9780623691	2195448096
6315116284	9172824179	5544814339	0016943666	3828538786
3908771938	4035554324	0840126299	4942059208	1475623997
5570024586	9324732596	1186563397	4425143189	3216653251
2909997185	0135968938	7678931194	1351031403	6002561840
7861375912	8383232768	1892857070	2323673751	318881718
7065492027	6349104233	3382569662	4579426926	1513082455
0654683246	4765104877	8149224168	5468631609	6474393896
7830555058	5255147182	3519287786	2481675649	8907598697
7626984369	4725370390	9641916289	5049082870	7463807244
4785048453	3646121751	8436077768	2928794356	9956043516
4627791048	5765558107	8762592043	6185670820	6363845920
9376470693	0441608034	8749472723	2202271078	5897002653
1227991661	7936797054	9527542791	4711871173	8300978148
5582095589	5535798279	4764439855	6279247618	4446895088
4959397608	1056981450	8416606706	8234013222	6426813469
1824779358	1333750468	9434074212	5273692238	5902177065
7041092295	5726289716	3420847871	1820481234	0318831723
3555104281	0903099163	6827824899	6383872737	5001682626
9717595534	1634107293	8521057472	1471300754	3044151557
5571564123	7344613447	1129117244	3208461091	1693403490
4674262892	2809456764	5806554509	8224980942	5738031833
8461228715	0746980892	9285305274	6331989646	8764467686
1838538678	3049068967	6955157269	5482964330	2161984904
1834182305	6203476893	5937802079	3445280195	3694915658
1884227732	2923727501	8044389132	4611203061	6072112445
6791857341	6696243386	2219599137	3193884236	8224729718
3007929946	4031562749	5570757297	6273785046	1455349704
6085440624	2875556938	5496629750	4841817356	1443167141
7005051056	3496332071	5054070890	7303867953	6255181190
9846413446	8306646692	0661684251	8875127201	6251533454
0625457703	4229164694	7321363715	7051128285	1108468072
5457593922	9751489574	1799906380	1989141062	5595364247
4076486653	8950826528	4934582003	4071187742	1456207629

Based on first 834 serial numbers of selective service lottery as reported by *New York Times*, October 30, 1940, p. 12. The first digit of each of the serial numbers (of which there were 9,000) has been deleted. Arrangement in this table is in the same order as the lottery drawing, the progression being from left to right, by rows.

This table is reproduced from Appendix IV of Dudley J. Cowden and Mercedes J. Cowden, *Practical Problems in Business Statistics*, Prentice-Hall, New York, 1948.

“Appendix 26” from

- Grant, E. L., R. S. Leavenworth, 1996, "Statistical Quality Control", 7.th ed., McGraw-Hill, New York, NY.

```
      SUBROUTINE RANDU (IX, IY, YFL)
C .....
C . In: IBM, 1973 "System/360 Scientific Subroutine Package.
C .   (360A-CM-03X) Version III. Programmer's Manual", publication #
C .   H20-0205-3, p 77.           Integer overflow should be disabled.
C .                               inv(2**31-1) = 0.4656612875E-9
      IY = IX * 65539
      IF (IY) 5, 6, 6
5     IY = IY + 2147483647 + 1
6     YFL = IY
      YFL = YFL * .465661288E-9
      RETURN
      END
```

```
alfaMC ~/invope/simul> for12 randum
2**16 + 3 = 65539
"65539**2 = 4 295 360 521 (> 2 147 483 647)"
ix, iy, yfl: 1 65539 3.0518975E-05
ix, iy, yfl: 65539 393225 1.8310966E-04
ix, iy, yfl: 393225 1769499 8.2398718E-04
ix, iy, yfl: 1769499 7077969 3.2959362E-03
ix, iy, yfl: 7077969 26542323 1.2359733E-02
ix, iy, yfl: 26542323 95552217 4.4494968E-02
ix, iy, yfl: 95552217 334432395 0.1557322
ix, iy, yfl: 334432395 1146624417 0.5339386
ix, iy, yfl: 1146624417 1722371299 0.8020416
ix, iy, yfl: 1722371299 14608041 6.8023992E-03
alfaMC ~/invope/simul>
```