

1815 1, 7, 8, 23, 31, 54, 85, 308, 7810, 8119, 40286, 128977, 427217, 3119496, 162641009, 165760505, 494162019, 1648246562, 3790655143, 58508073707
CONVERGENTS TO FIFTH ROOT OF 2. REF AMP 46 115 1866. LEI 67. HPR.

1816 1, 7, 11, 19, 23, 31, 43, 47, 59, 67, 71, 83, 103, 107, 127, 131, 139, 151, 163, 167, 179, 191, 199, 211, 227, 239, 251, 263, 271, 283, 307, 311, 331, 347, 367, 379, 383, 419
QUADRATIC FORMS BY CLASS NUMBER. REF IAS 2 178 35.

1817 1, 7, 11, 26, 45, 83, 125, 140, 182, 197, 201, 216, 239, 258, 311, 330, 353, 444, 467, 482, 486, 524, 539, 558, 600, 752, 771, 843, 881, 885, 923, 980, 999, 1071, 1113
(N(N + 1) + 1)/19 IS PRIME. REF CU1 1 252.

1818 1, 7, 11, 27, 77, 107, 111, 127, 177, 777, 1127, 1777, 7777, 11777, 77777, 1177777, 7777777
SMALLEST NUMBER REQUIRING N SYLLABLES IN ENGLISH.

1819 1, 7, 13, 19, 31, 37, 43, 61, 67, 73, 79, 97, 103, 109, 127, 139, 151, 157, 163, 181, 193, 199, 211, 223, 229, 241, 271, 277, 283, 307, 313, 331, 337, 349, 367, 373, 379, 397
PRIMES OF THE FORM 3N + 1. REF RE2 1.

1820 1, 7, 13, 97, 8833, 77968697, 6079148431583233, 36956045653220845240164417232897
A NONLINEAR RECURRENCE. REF AMM 70 403 63.

1821 1, 7, 14, 7, 49, 21, 35, 41, 49, 133, 98, 21, 126, 112, 176, 105, 126, 140, 35, 147, 259, 98, 420, 224, 238, 455, 273, 14, 322, 406, 35, 7, 637, 196, 245, 181, 574, 462, 147
COEFFICIENTS OF A MODULAR FORM. REF KNAW 59 207 56.

1822 1, 7, 16, 49, 212, 1158, 7584, 57720, 499680, 4843440
BINOMIAL COEFFICIENT SUMS. REF CJM 22 26 70.

1823 1, 7, 17, 18, 23, 29, 47, 59, 61, 97, 109, 113, 131, 149, 167, 179, 181, 193, 223, 229, 233, 257, 263, 269, 313, 337, 367, 379, 383, 389, 419, 433, 461, 487, 491, 499, 503
PRIMES WITH 10 AS A PRIMITIVE ROOT. REF KR1 1 61.

1824 1, 7, 17, 23, 41, 47, 71, 79, 97, 103, 137, 167, 191, 193, 199, 239, 263, 271, 311, 313, 359, 367, 383, 401, 409, 449, 463, 479, 487, 503, 521, 569, 599, 607, 647, 719, 743
2 IS A QUADRATIC RESIDUE MODULO P. REF KR1 1 59.

1825 1, 7, 17, 31, 43, 79, 89, 113, 127, 137, 199, 223, 233, 257, 281, 283, 331, 353, 401, 449, 463, 487, 521, 569, 571, 593, 607, 617, 631, 641, 691, 739, 751, 809, 811, 823, 857
PRIMES WITH 3 AS SMALLEST PRIMITIVE ROOT. REF KR1 1 57. AS1 864.

1826 1, 7, 18, 34, 55, 81, 112, 148, 189, 235, 286, 342, 403, 469, 540, 616, 697, 789, 874, 970, 1071, 1177, 1288, 1404, 1525, 1651, 1782, 1918, 2059, 2205, 2356, 2512, 2673
HEPTAGONAL NUMBERS (N(SN - 3)/2. REF DI2 2 2. BE3 189.

1827 1, 7, 18, 44, 88, 169, 296, 507, 824, 1314, 2029, 3083, 4578, 6714, 9676, 13795, 19408, 27053, 37302, 51029, 69180, 93139, 124447, 165259, 218021, 286068, 373207
BIPARTITE PARTITIONS. REF NI1 11.

1828 1, 7, 19, 37, 61, 127, 271, 331, 397, 547, 631, 919, 1657, 1601, 1951, 2269, 2437, 2791, 3169, 3571, 4219, 4447, 5167, 5419, 6211, 7057, 7351, 8269, 9241, 10267, 11719
CUBAN PRIMES. REF MES 41 144 12. CU1 1 259.

1800 1, 6, 240, 1020, 78120, 279930, 40353600, 134217720, 31381059600
PILE OF COCOANUTS PROBLEM. REF AMM 35 48 28.

1801 1, 6, 350, 43260, 14591171
SINGULAR (0, 1)-MATRICES. REF JCT 3 198 67.

1802 1, 6, 360, 10080, 2395200, 239500800, 145297152000, 15692092416000,
 16005934264320000, 85157028618240000, 3372002183332823040000
COEFFICIENTS FOR REPEATED INTEGRATION. REF JM2 28 56 49.

1803 1, 6, 425, 65625, 27894671
SINGULAR (0, 1)-MATRICES. REF JCT 3 198 67.

1804 1, 6, 438, 3962646
POST FUNCTIONS. REF JCT 4 298 68.

1805 1, 6, 522, 152166, 93241002, 97949265606, 157201459863882,
 357802951084619046, 109629127971115037162, 4350684698032741048452486
GENERALIZED TANGENT NUMBERS. REF MTAC 21 690 67.

1806 1, 6, 720, 1512000, 53343360000, 31052236723200000,
 295415578275110092800000, 45669605890716810734764032000000
AN ILL-CONDITIONED DETERMINANT. REF MTAC 9 155 55. HPR.

1807 1, 6, 924, 81738720000, 256963707943061374899193111552000
INVERTIBLE BOOLEAN FUNCTIONS. REF PGEC 13 530 64.

1808 1, 6, 1230, 134355076
POST FUNCTIONS. REF JCT 4 296 68.

1809 1, 6, 2862, 537157696
POST FUNCTIONS. REF JCT 4 297 68.

SEQUENCES BEGINNING 1, 7

1810 1, 7, 1, 31, 1, 127, 17, 73, 31, 2047, 1, 8191, 5461, 4681, 257, 131071, 73, 524287
FROM GENERALIZED BERNOULLI NUMBERS. REF JM2 23 211 44.

1811 1, 7, 2, 1, 1, 3, 18, 5, 1, 1, 6, 30, 8, 1, 1, 9, 42, 11, 1, 1, 12, 54, 14, 1, 1, 15, 66, 17, 1, 1, 18, 78, 20, 1, 1, 21, 90, 23, 1, 1, 24, 102, 26, 1, 1, 27, 114, 29, 1, 1, 30, 126, 32, 1, 1
CONTINUED FRACTION EXPANSION OF E2. REF PE1 138.**

1812 1, 7, 3, 2, 0, 5, 0, 8, 0, 7, 5, 6, 8, 7, 2, 9, 3, 5, 2, 7, 4, 4, 6, 3, 4, 1, 5, 0, 5, 8, 7,
 2, 3, 6, 9, 4, 2, 8, 0, 5, 2, 5, 3, 8, 1, 0, 3, 8, 0, 6, 2, 8, 0, 5, 8, 0, 6, 9, 7, 9, 4, 5, 1, 9, 3
SQUARE ROOT OF 3. REF PNAS 37 444 51. MTAC 22 234 68.

1813 1, 7, 5, 145, 5, 6095, 5815, 433025, 956375, 46676375, 172917875, 7108596625,
 38579649875, 1454225641375, 10713341611375, 384836032842625
EXPANSION OF EXP(ARCTAN X). REF DMJ 26 573 59. HPR.

1814 1, 7, 2, 4, 5, 3, 8, 5, 0, 9, 0, 5, 1, 6, 0, 2, 7, 2, 9, 8, 1, 6, 7, 4, 8, 3, 3, 4, 1, 1, 4,
 5, 1, 8, 2, 7, 9, 7, 4, 9, 4, 5, 6, 1, 2, 2, 3, 8, 7, 1, 2, 8, 2, 1, 3, 8, 0, 7, 7, 8, 9, 8, 5, 2, 9, 1
SQUARE ROOT OF PI. REF RS4 XVIII.

- 1829 1, 7, 19, 41, 751, 989, 2857, 16067, 2171465, 1364651, 6137698213, 90241897, 105930069, 15043611773, 55294720874657, 203732352169, 69028763155644023
COTESIAN NUMBERS. REF QJM 46 63 14.
- 1830 1, 7, 19, 47, 97, 189, 339, 589, 975, 1576, 2472, 3804, 5727, 8498, 12400, 17874, 25433, 35818, 49908, 68939, 94378, 128234, 172917, 231630, 308240, 407804, 536412
BIPARTITE PARTITIONS. REF PCPS 49 72 53. N11 1.
- 1831 1, 7, 19, 53, 115, 217, 389
POSTAGE STAMP PROBLEM. REF CJ1 12 379 69.
- 1832 1, 7, 19, 53, 149, 421, 1193, 3387, 9627, 27383, 77923
KEYS. REF MAG 53 11 69.
- 1833 1, 7, 19, 57, 81, 251, 437, 691, 739, 1743, 3695, 6619, 8217, 9771, 14771, 15155, 16831, 18805, 26745, 30551, 41755, 46297, 54339, 72359, 86407, 96969, 131059
LATTICE POINTS IN SPHERES. REF MTAC 20 306 66.
- 1834 1, 7, 19, 73, 241, 847, 2899, 10033, 34561, 119287, 411379, 1419193, 4895281, 1688527, 56249459, 200931553, 693110401, 2390878567, 8247309139
 $A(N) = 2A(N-1) + 5A(N-2)$. REF MQET 1 11 16.
- 1835 1, 7, 21, 35, 26, 21, 105, 181, 189, 77, 140, 385, 546, 511, 252, 203, 693, 1029, 1092, 798, 203, 581, 1281, 1708, 1687, 1232, 413, 602, 1485, 2233, 2366, 2009, 1099
COEFFICIENTS OF A MODULAR FORM. REF JLMS 39 435 64.
- 1836 1, 7, 21, 53, 109, 212, 389
POSTAGE STAMP PROBLEM. REF CJ1 12 379 69.
- 1837 1, 7, 21, 112, 456, 2603, 13203
BAXTER PERMUTATIONS. REF MA4 2 25 67.
- 1838 1, 7, 21, 112, 588, 3360, 19544, 117648, 720300, 4483696
IRREDUCIBLE POLYNOMIALS, OR NECKLACES. REF AMM 77 744 70.
- 1839 1, 7, 22, 50, 95, 161, 252, 372, 525, 715, 946, 1222, 1547, 1925, 2360, 2856, 3417, 4047, 4750, 5530, 6391, 7337, 8372, 9500, 10725, 12051, 13482, 15022, 16675, 18445
HEXAGONAL PYRAMIDAL NUMBERS. REF DI2 2 2. BE3 194.
- 1840 1, 7, 22, 153, 15209
SWITCHING NETWORKS. REF JFI 276 317 63.
- 1841 1, 7, 23, 47, 71, 199, 167, 191, 239, 383, 311, 431, 647, 479, 983, 887, 719, 839, 1031, 1487, 1439, 1151, 1847, 1319, 3023, 1511
PRIMES BY CLASS NUMBER. REF MTAC 24 492 70.
- 1842 1, 7, 23, 61, 127, 199, 337, 479, 677, 937, 1193, 1511, 1871, 2267, 2707, 3251, 3769, 4349, 5009, 5711, 6451, 7321, 8231, 9173, 10151, 11197, 12343, 13467, 14779
A SPECIAL SEQUENCE OF PRIMES. REF ACA 6 372 61.
- 1843 1, 7, 23, 71, 311, 479, 1559, 5711, 10559, 18181, 31391, 366791, 4080359, 12537719, 30706079
PRIMES WITH LARGE LEAST NONRESIDUES. REF RSS XV.
- 1844 1, 7, 25, 63, 129, 231, 377, 575, 833, 1159, 1561, 2047, 2625, 3303, 4089, 4991, 6017, 7175, 8473, 9919, 11521, 13287, 15225, 17343, 19649, 22151, 24857, 27775
A SQUARE RECURRENCE. REF SIAMR 12 277 70.

- 1845 1, 7, 25, 65, 140, 266, 462, 750, 1155, 1705, 2431, 3367, 4550, 6020, 7820, 9996, 12597, 15675, 19285, 23485, 28336, 33902, 40250, 47450, 55575, 64701, 74907, 86275
STIRLING NUMBERS OF SECOND KIND. REF AS1 835. DKB 223.
- 1846 1, 7, 25, 66, 143, 273, 476, 775, 1197, 1771, 2530, 3510, 4750, 6293, 8184, 10472, 13209, 16450, 20254, 24682, 29799, 35673, 42375, 49980, 58565, 68211, 79002
FERMAT COEFFICIENTS. REF MMAG 27 141 54.
- 1847 1, 7, 28, 84, 210, 462, 924, 1716, 3003, 5005, 8008, 12376, 18564, 27132, 38760, 54264, 74613, 100947, 134596, 177100, 230230, 296010, 376740, 475020, 593775
FIGURATE NUMBERS OR BINOMIAL COEFFICIENTS C(N, 6). REF DI2 2 7. RST. BE3 196. AS1 828.
- 1848 1, 7, 28, 105, 357, 1197, 3857, 12300, 38430, 118874, 362670, 1095430, 3271751, 9673993
6-DIMENSIONAL PARTITIONS. REF PCPS 63 1099 67.
- 1849 1, 7, 28, 105, 357, 1232, 4067, 13301, 42357, 132845
RELATED TO 6-DIMENSIONAL PARTITIONS. REF PCPS 63 1100 67.
- 1850 1, 7, 28, 140, 784, 4676, 29008, 184820, 1200304, 7907396, 52666768, 353815700, 2393325424, 16279522916, 111239118928, 762963987380, 524935219614
 $1^{*}N + 2^{*}N + \dots + 7^{*}N$. REF AS1 813.
- 1851 1, 7, 29, 93, 256, 638, 1566
RADON PARTITIONS. REF MFM 73 18 69.
- 1852 1, 7, 29, 94, 263, 667, 1577, 3538, 7622
ARRAYS OF DUMBBELLS. REF JMP 11 3098 70.
- 1853 1, 7, 31, 37, 109, 121, 127, 133, 151, 157, 403, 421, 511, 529, 631, 637, 661, 679, 1579, 1621, 1633, 1969, 1981, 2017, 2041, 2047, 2053, 2071, 2077, 2143, 2149, 2167
GOOD NUMBERS. REF MTAC 18 541 64.
- 1854 1, 7, 31, 43, 67, 73, 79, 103, 127, 163, 181, 223, 229, 271, 277, 307, 313, 337, 349, 409, 421, 439, 457, 463, 499
RELATED TO KUMMERS CONJECTURE. REF HA3 482.
- 1855 1, 7, 31, 127, 73, 23, 8191, 151, 131071, 524287, 337, 47, 601, 262657, 233, 2147483647, 599479, 71, 223, 79, 13367, 431, 631, 2351, 4432676798593, 103
SMALLEST PRIMITIVE FACTOR OF $2^{*}(2N + 1) - 1$. REF KR1 2 84.
- 1856 1, 7, 31, 127, 73, 89, 8191, 151, 131071, 524287, 337, 178481, 1801, 262657, 2089, 2147483647, 599479, 122921, 616318177, 121369, 164511353, 2099863, 23311
LARGEST FACTOR OF $2^{*}(2N + 1) - 1$. REF KR1 2 84.
- 1857 1, 7, 31, 127, 487, 1423, 1303, 2143, 2647, 4447, 5527, 5647, 6703, 5503, 11383, 8863, 13687, 13183, 12007, 22807, 18127, 21487, 22303, 29863, 25303, 27127
PRIMES BY CLASS NUMBER. REF MTAC 24 492 70.
- 1858 1, 7, 31, 127, 2555, 1414477, 57337, 118518239, 5749691557, 91546277357, 1792042792463, 1982765468311237, 286994504449393, 3187598676787461083
NUMERATORS OF COSECANT NUMBERS. REF NO1 458. ANN 36 640 35. DA2 2 187.
- 1859 1, 7, 32, 120, 400, 1232, 3584, 9984, 26880, 70400, 180224, 452608, 1118208, 2723840, 6553600
COEFFICIENTS OF CHEBYSHEV POLYNOMIALS. REF PRSE 62 190 45. AS1 795.

- 1860 1, 7, 33, 123, 257, 515, ...
- 1861 1, 7, 33, 123, 257, 515, 925, 1419, 2109, 3071, 4169, 5575, 7153, 9171, 11513, 14147, 17077, 20479, 24405, 28671, 33401, 38911, 44473, 50883, 57777, 65287, 73525
LATTICE POINTS IN SPHERES. REF PNISI 13 37 47. MTAC 16 287 62.
- 1861 1, 7, 33, 715, 4199, 52003, 334305, 17678835, 119409675, 1641030105, 11435320455, 322476036831
COEFFICIENTS OF LEGENDRE POLYNOMIALS. REF MTAC 3 17 48.
- 1862 1, 7, 34, 136, 487, 1615, 5079, 15349, 45009, 128899, 362266, 1002681, 2740448, 7411408, 19865445, 52840977, 139624510, 366803313, 958696860, 2494322662
TREES OF HEIGHT 7. REF IBMJ 4 475 60. KU1.
- 1863 1, 7, 34, 1056, 5884954
SWITCHING NETWORKS. REF JFI 276 317 63.
- 1864 1, 7, 35, 140, 483, 1498, 4277, 11425, 28869, 69734, 161735, 362271, 786877, 1662927, 3428770, 6913760, 13660346, 26492361, 50504755
COEFFICIENTS OF AN ELLIPTIC FUNCTION. REF CAY 9 128.
- 1865 1, 7, 35, 140, 490, 1554, 4578, 12720, 33708, 85864, 211546
CONVOLVED FIBONACCI NUMBERS. REF RCI 101.
- 1866 1, 7, 35, 154, 637, 2548, 9996, 38760, 149226, 572033, 2187185, 8351070, 31865925, 121560760, 463991880, 1771605360, 6768687870, 258880277150
LAPLACE TRANSFORM COEFFICIENTS. REF QAM 14 407 56.
- 1867 1, 7, 37, 197, 1172, 8018, 62814, 556014, 5488059, 59740609, 710771275
CYCLES IN COMPLETE GRAPH. REF PIEE 115 763 68.
- 1868 1, 7, 37, 199, 40321, 5512813, 136601407, 32373535937, 4039314145083, 377880467185583, 123905113265594071
COEFFICIENTS FOR REPEATED INTEGRATION. REF JM2 28 56 49.
- 1869 1, 7, 41, 239, 1393, 8119, 47321, 275807, 1607521, 9369319, 54608393, 318281039, 1855077841, 10812186007, 63018038201, 367296043199, 2140758220993
 $A(N) = 6A(N-1) - A(N-2)$. REF AMM 4 25 1897. IDM 10 236 03. ANN 36 644 35.
- 1870 1, 7, 41, 479, 59, 266681, 63397, 514639, 178939, 10410343, 18500393, 40799043101, 1411432849
COEFFICIENTS FOR NUMERICAL DIFFERENTIATION. REF OP1 21. JM2 22 120 43.
- 1871 1, 7, 45, 323, 2621, 23811, 239653, 2648395, 31889517, 415641779, 5830753109, 87601592187, 1403439027805
PERMUTATIONS BY NUMBER OF PAIRS. REF DKB 263.
- 1872 1, 7, 46, 4336, 134281216
SWITCHING NETWORKS. REF JFI 276 317 63.
- 1873 1, 7, 47, 342, 2754, 24552, 241128, 2592720, 30334320, 383970240, 5231113920, 76349105280, 1188825724800, 19675048780800, 344937224217600
GENERALIZED STIRLING NUMBERS. REF PEF 77 26 62.
- 1874 1, 7, 49, 343, 2401, 16807, 117649, 8235343, 5764801, 40353607, 282475249, 1977326743, 13841287201, 96899010407, 678223072849, 4747561509943
POWERS OF SEVEN. REF BA1.

- 1875 1, 7, 55, 529, 6192, 86580, 1425517, 27298231, 601580874, 15116315767, 429614643061, 13711655205088, 488332318973593, 19296579341940068
NEAREST INTEGER TO BERNOULLI NUMBERS. REF DA2 2 236. ASI 810.
- 1876 1, 7, 56, 504, 5040, 665280, 8648640, 121080960, 1816214400, 29059430400, 494010316800, 8892185702400, 168951528345600, 337903056691200
GENERALIZED STIRLING NUMBERS. REF PEF 107 19 63.
- 1877 1, 7, 61, 661, 8953, 152917, 3334921
RELATED TO PARTIALLY ORDERED SETS. REF JCT 6 17 69.
- 1878 1, 7, 70, 819, 10472, 141778, 1997688, 28989675, 430321633
DISSECTIONS OF A POLYGON. REF AMP 1 198 1841.
- 1879 1, 7, 70, 910, 14532, 274778, 5995892, 148154860, 4085619622, 124304629050
4133867297490, 149114120602860, 579643459664946, 241482353893283349
COEFFICIENTS OF ITERATED EXPONENTIALS. REF SMA 11 353 45.
- 1880 1, 7, 71, 1001, 18089, 398959, 10391023, 312129649, 10622799089, 403978495031, 16977719590391, 781379079653017, 39085931702241241
CONVERGENTS TO E. REF BA4 17 1871. MTAC 2 69 45.
- 1881 1, 7, 74, 882, 11144
SYMMETRIC PERMUTATIONS. REF LUI 1 222.
- 1882 1, 7, 77, 1155, 21973, 506989, 13761937, 429853851, 15192078027, 599551077881, 26140497946017, 1248134313062231, 64783855286002573
COEFFICIENTS OF ITERATED EXPONENTIALS. REF SMA 11 353 45.
- 1883 1, 7, 85, 1660, 48076, 1942416, 104587344, 7245893376, 628308907776, 66687811660800, 8506654697548800
DIFFERENCES OF RECIPROALS OF UNITY. REF DKB 228.
- 1884 1, 7, 85, 1777, 63601, 3882817
COLORED GRAPHS. REF CJM 12 413 60 (DIVIDED BY 4).
- 1885 1, 7, 104, 1455, 20272, 282359, 3932760, 54775287, 762935264, 10626317415, 148005508552, 2061450802319, 28712305723920, 399910829332567
SOLUTION OF A PELLIAN. REF AMM 53 465 46.
- 1886 1, 7, 106, 113, 33102, 33215, 66317, 99532, 265381, 364913, 1360120, 1725033, 25510582, 52746197, 78256779, 131002976, 340262731, 811528438, 1963319607
CONVERGENTS TO PI. REF ELM 2 7 47.
- 1887 1, 7, 107, 199, 6031, 5741, 1129981, 435569, 35661419, 1523469833, 45183033541, 12597680311, 19055094997949, 9331210633373, 104148936040729
COEFFICIENTS FOR REPEATED INTEGRATION. REF PHM 38 336 47.
- 1888 1, 7, 127, 247, 463, 487, 1423, 33247, 56743, 74743, 118903, 348727, 773767, 2430943, 242675823, 393292183, 1656835783, 2713676023, 4352137927, 8133814327
SEQUENCE OF PRESCRIBED QUADRATIC CHARACTER. REF MTAC 24 444 70.
- 1889 1, 7, 127, 4369, 243649, 20036983, 2280356863, 343141433761, 65967241200001, 15773461423793767, 459122123230945407
FROM INVERSE ERROR FUNCTION. REF PJM 13 470 63.

1890 1, 7, 128, 975, 4608, 16340, 48384, 124303, 281600, 583746, 1146240, 2125108, 3691008, 6151880, 10055424, 15914895, 24136704, 35748899, 52583040
 RELATED TO REPRESENTATION AS SUMS OF SQUARES. REF QJM 38 349 07.
 1891 1, 7, 305, 33367, 6815585, 2237423527, 1077270776465, 715153093789687,
 62805576465322945, 698774745485355051847, 968553361387420436695025
 MULTIPLES OF EULER NUMBERS. REF MES 28 51 1898. FMR 1 75. HPR.
 1892 1, 7, 322, 33385282, 37210469265847998489922
 EXTRACTING A SQUARE ROOT. REF AMM 44 645 37.
 1893 1, 7, 791, 3748629, 151648960887729
 AN EXPANSION FOR PI. REF AMM 54 138 47.
 1894 1, 7, 1734, 89512864
 GROUPOIDS. REF JI2 246.

SEQUENCES BEGINNING 1, 8

1895 1, 8, 1, 26, 8, 48, 1, 73, 26, 120, 8, 170, 48, 208, 1, 290, 73, 360, 26, 384, 120, 528,
 8, 651, 170, 656, 48, 842, 208, 960, 1, 960, 290, 1248, 73, 1370, 360, 1360, 26, 1682
 RELATED TO THE DIVISORS OF N. REF QJM 20 164 1884.
 1896 1, 8, 10, 80, 231, 248, 1466, 80, 4766, 1944, 9600, 2704, 15525, 3984, 25498,
 10816, 29760, 800, 1994, 11728, 29362, 5560, 2310, 1952, 21649, 38128, 192854, 2480
 RELATED TO REPRESENTATION AS SUMS OF SQUARES. REF QJM 38 190 07.
 1897 1, 8, 11, 69, 88, 96, 101, 111, 181, 609, 619, 689, 808, 818, 888, 906, 916, 986,
 1001, 1111, 1691, 1881, 1961, 6009, 6119, 6699, 6889, 6969, 8008, 8118, 8698, 8888
 NUMBERS WHICH ARE THE SAME UPSIDE DOWN. REF MMAG 34 184 61.
 1898 1, 8, 12, 64, 210, 96, 1016, 512, 2043, 1680, 1092, 768, 1382, 8128, 2520, 4096,
 14706, 16344, 39940, 13440, 12192, 8736, 68712, 6144, 34025, 11056
 RELATED TO REPRESENTATION AS SUMS OF SQUARES. REF QJM 38 198 07.
 1899 1, 8, 15, 212, 865, 31560, 397285, 8760472, 73512810, 7619823960
 COEFFICIENTS FOR STEP-BY-STEP INTEGRATION. REF JACM 11 231 64.
 1900 1, 8, 20, 0, 70, 64, 56, 0, 125, 160, 308, 0, 110, 0, 520, 0, 57, 560, 0, 0, 182, 512,
 880, 0, 1190, 448, 884, 0, 0, 1400, 0, 1330, 1000, 1820, 0, 646, 1280, 0, 0, 1331, 2464
 COEFFICIENTS OF A MODULAR FORM. REF KNAW 59 207 56.
 1901 1, 8, 21, 40, 65, 96, 133, 176, 225, 280, 341, 408, 481, 560, 645, 736, 833, 936,
 1045, 1160, 1281, 1408, 1541, 1680, 1825, 1976, 2133, 2296, 2465, 2640, 2821, 3008
 OCTAGONAL NUMBERS $N(3N - 2)$. REF DI2 2 1. BE3 189.
 1902 1, 8, 23, 57, 119, 231, 415, 719, 1189, 1915, 2997, 4595, 6898, 10198, 14833,
 21303, 30211, 42393, 58869, 81028, 110551, 149683, 201160, 268538, 356167, 469630
 BIPARTITE PARTITIONS. REF NI1 11.
 1903 1, 8, 24, 112, 560, 2976, 16464, 94016, 549648
 WALKS ON A SQUARE LATTICE. REF JCP 34 1532 61.

1904 1, 8, 26, 60, 115, 196, 308, 456, 645, 880, 1166, 1508, 1911, 2380, 2920, 3536,
 4233, 5016, 5890, 6860, 7931, 9108, 10396, 11800, 13325, 14976, 16758, 18676, 20731
 HEPTAGONAL PYRAMIDAL NUMBERS. REF DI2 2 2. BE3 194.
 1905 1, 8, 27, 64, 125, 216, 343, 512, 729, 1000, 1331, 1728, 2197, 2744, 3375, 4096,
 4913, 5832, 6859, 8000, 9261, 10648, 12167, 13824, 15625, 17576, 19683, 21952, 2431
 CUBES. REF BA1.
 1906 1, 8, 28, 56, 62, 0, 148, 328, 419, 280, 140, 728, 1232, 1336, 848, 224, 1582, 268
 3072, 2408, 742, 1568, 3836, 5264, 5306, 3744, 924, 2576, 5686, 7792, 8092, 6272
 COEFFICIENTS OF A MODULAR FORM. REF JLMS 39 435 64.
 1907 1, 8, 30, 80, 175, 336, 588, 960, 1485, 2200, 3146, 4368, 5915, 7840, 10200,
 13056, 16473, 20520, 25270, 30800, 37191, 44528, 52900, 62400, 73125, 85176, 98656
 4-DIMENSIONAL FIGURATE NUMBERS. REF BE3 195.
 1908 1, 8, 30, 192, 1344, 10800, 97434, 976000
 FROM MENAGE POLYNOMIALS. REF R1 197.
 1909 1, 8, 33, 168, 962, 5928, 38907, 268056
 PARTITION FUNCTION FOR CUBIC LATTICE. REF PHM 2 745 57.
 1910 1, 8, 35, 211, 1459, 11584, 103605, 1030805
 FROM MENAGE NUMBERS. REF MES 32 63 02. R1 198.
 1911 1, 8, 36, 120, 330, 792, 1716, 3432, 6435, 11440, 19448, 31824, 50388, 77520,
 116280, 170544, 245157, 346104, 480700, 657800, 888030, 1184040, 1560780, 203580
 FIGURATE NUMBERS OR BINOMIAL COEFFICIENTS $C(N, 7)$. REF DI2 2 7. RS1. BE3 196.
 AS1 828.
 1912 1, 8, 36, 148, 554, 2024, 7134, 24796, 84625, 285784, 953430, 3151332, 1031421
 7-DIMENSIONAL PARTITIONS. REF PCPS 63 1099 67.
 1913 1, 8, 36, 148, 554, 2094, 7624, 27428, 96231, 332159
 RELATED TO 7-DIMENSIONAL PARTITIONS. REF PCPS 63 1100 67.
 1914 1, 8, 36, 204, 1296, 8772, 61776, 446964, 3297456, 24684612, 186884496,
 1427557524, 10983260016, 8499899652, 660994932816, 5161010498484
 $1 \rightarrow N + 2 \rightarrow N + \dots + 8 \rightarrow N$. REF AS1 813.
 1915 1, 8, 36, 229, 1625, 13208, 120288, 1214673, 13496897, 162744944, 2128047988
 29843053061
 PERMUTATIONS BY LENGTH OF RUNS. REF PLMS 31 341 30. SPS 37-40-4 209 66.
 1916 1, 8, 40, 160, 560, 1792, 5376, 15360, 42240, 112640, 292864, 745472, 1863680,
 4587520, 11141120
 COEFFICIENTS OF CHEBYSHEV POLYNOMIALS. REF PRSE 62 190 46. AS1 796.
 1917 1, 8, 40, 176, 748, 3248, 14280, 63768, 285296, 1285688
 WALKS ON A CUBIC LATTICE. REF PCPS 58 99 62.
 1918 1, 8, 43, 188, 728, 2593, 8706, 27961, 86802, 262348, 776126, 2256418, 6466614
 16311915, 51334232, 142673720, 393611872, 1078955636, 2941029334
 TREES OF HEIGHT 8. REF IBMJ 4 475 60. KUT.
 1919 1, 8, 44, 152, 372, 824, 1544, 2712, 4448
 THE NO-THREE-IN-LINE PROBLEM. REF GU3. WE1 124.

- 1920 1, 8, 44, 309, 2428, 21234, 205056, 2170680, 25022880, 312273360, 4196666880, 60451816320, 929459059200, 15196285843200, 263309095526400
DIFFERENCES OF FACTORIAL NUMBERS. REF JRAM 198 61 57.
- 1921 1, 8, 45, 220, 1001, 4368, 18564, 77520, 319770, 1307504
COEFFICIENTS OF CHEBYSHEV POLYNOMIALS. REF LA4 517.
- 1922 1, 8, 45, 416, 1685, 31032, 1603182, 13856896, 132843888, 6551143600
COEFFICIENTS FOR NUMERICAL INTEGRATION. REF MTAC 6 217 52.
- 1923 1, 8, 48, 256, 1280, 6144, 28672, 131072, 589824, 2621440, 11534336, 50331648
COEFFICIENTS OF CHEBYSHEV POLYNOMIALS. REF LA4 516.
- 1924 1, 8, 49, 288, 1681, 9800, 57121, 332928, 1940449, 11309768, 65918161, 38419200, 2239277041, 13051463048, 76069501249, 443365544448, 2584123765441
TRIANGULAR NUMBERS WHICH ARE SQUARES. REF DI2 2 10. MAG 47 237 63. BE3 193. FQ 9 95 71.
- 1925 1, 8, 50, 2908, 115125476
SWITCHING NETWORKS. REF JFI 276 317 63.
- 1926 1, 8, 52, 288, 1424, 6648, 29700, 128800, 545600
SERIES-PARALLEL NUMBERS. REF R1 142.
- 1927 1, 8, 54, 384, 3000, 25920, 246960, 2580480
TERMS IN CERTAIN DETERMINANTS. REF PLMS 10 122 1879.
- 1928 1, 8, 56, 392, 2648, 17864, 118760, 789032, 5201048, 34268104
SUSCEPTIBILITY FOR CUBIC LATTICE. REF PHA 28 942 62.
- 1929 1, 8, 56, 392, 2648, 17960, 120056, 804824, 5351720, 35652680, 236291096, 1568049560, 10368669992, 68626647608, 453032542040, 299273648424
WALKS ON A CUBIC LATTICE. REF PRV 114 53 59. MFS.
- 1930 1, 8, 56, 464, 3520, 27768
WALKS ON A DIAMOND LATTICE. REF PCPS 58 100 62.
- 1931 1, 8, 57, 1292, 7135, 325560, 4894715, 125078632, 1190664342, 137798986920
COEFFICIENTS FOR STEP-BY-STEP INTEGRATION. REF JACM 11 231 64.
- 1932 1, 8, 58, 444, 3708, 33976, 341064
FROM SUMS OF PRODUCTS OF POWERS. REF SE2 83. NMT 7 16 59.
- 1933 1, 8, 60, 416, 2791, 18296, 118016, 752008
SUSCEPTIBILITY FOR SQUARE LATTICE. REF JCP 38 811 63.
- 1934 1, 8, 60, 444, 3599, 32484, 325322, 3582600, 43029621, 559774736, 7841128936, 117668021988, 1893347579515
PERMUTATIONS BY NUMBER OF PAIRS. REF DKB 263.
- 1935 1, 8, 61, 5020, 128541455
AN EXPANSION FOR π . REF AMM 54 138 47.
- 1936 1, 8, 63, 496, 3905, 30744, 242047, 1905632, 15003009, 118118440, 929944511, 7321437648, 57641556673, 453811015736, 3572846569215, 28128961537984
 $A(N) = 8A(N-1) - A(N-2)$. REF NCM 4 167 1878.

- 1937 1, 8, 64, 512, 4096, 32768, 262144, 2097152, 16777216, 134217728, 10737418, 8589934592, 68719476736, 549755813888, 4398046511104, 35184372088832
POWERS OF EIGHT. REF BA1.
- 1938 1, 8, 67, 602, 5811, 60875, 690729, 8457285, 111323149, 1569068565, 23592426102, 377105867043, 6387313185590, 114303481217895, 21553485648516
PERMUTATIONS BY LENGTH OF RUNS. REF DKB 261.
- 1939 1, 8, 72, 2160, 15504, 220248, 1564920, 893224640, 640807200, 9246847896, 67087213336, 1957095947664
COEFFICIENTS OF LEGENDRE POLYNOMIALS. REF MTAC 3 17 48.
- 1940 1, 8, 78, 944, 13800, 237432, 4708144, 105822432, 2660215680, 73983185000, 255828154624, 74841555118992, 2684366717713408, 103512489775594200
TREES BY TOTAL HEIGHT. REF JAI 10 281 69.
- 1941 1, 8, 80, 1088, 19232, 424400
BICOVERINGS. REF SMH 3 145 68.
- 1942 1, 8, 80, 4374, 9800, 123200, 336140, 11859210, 11859210, 177182720, 1611308699, 3463199999, 63927525375
FROM STORMERS PROBLEM. REF IJM 8 66 64.
- 1943 1, 8, 96, 1664, 36800, 1008768, 32626560, 1221399040, 51734584320, 2459086364672, 129082499311616
SUSCEPTIBILITY FOR CUBIC LATTICE. REF PRV 164 801 67.
- 1944 1, 8, 102, 948, 7900, 62928, 491832
COLORED SERIES-PARALLEL NETWORKS. REF R1 159.
- 1945 1, 8, 104, 1092, 12376, 136136, 1514513, 16776144, 186145312, 2063912136
FROM FIBONACCI IDENTITIES. REF FQ 6 82 88.
- 1946 1, 8, 105, 1456, 20273, 282360, 3932761, 54776288, 762935265, 10626317416, 148005508553, 2061450802320, 28712305723921, 399910829332568
 $A(N) = 14A(N-1) - A(N-2) - 6$. REF AMM 53 465 46.
- 1947 1, 8, 106, 49008, 91901007752
SWITCHING NETWORKS. REF JFI 276 317 63.
- 1948 1, 8, 120, 16880, 1791651440
SWITCHING NETWORKS. REF JFI 276 317 63.
- 1949 1, 8, 127, 2024, 32257, 514088, 8193151, 130576328, 2081028097, 3316587322, 528572943487, 8424001222568, 134255446617601, 21396663144659048
 $A(N) = 16A(N-1) - A(N-2)$. REF NCM 4 167 1878. TH2 281.
- 1950 1, 8, 136, 3968, 176896, 11184128, 951878656, 104932671488, 1454444255564, 2475749026562048, 507711943253426176, 123460740095103991808
TANGENT NUMBERS. REF MTAC 21 672 67 (DIVIDED BY 2).
- 1951 1, 8, 176, 265728, 2199038984192
SWITCHING NETWORKS. REF JFI 276 317 63.
- 1952 1, 8, 216, 8000, 343000, 16003008, 768889024
WALKS ON A CUBIC LATTICE. REF AIP 9 345 60.

- 1953 1, 8, 288, 365080, 1468180471808
SWITCHING NETWORKS. REF JFI 276 317 63.
- 1954 1, 8, 343, 1331, 1030301, 1367631, 1003003001, 10662526601, 1000300030001,
1030607060301, 1334996994331
PALINDROMIC CUBES. REF JRM 3 97 70.
- 1955 1, 8, 352, 38528, 7869952, 2583554048, 1243925143552, 8257876623668768,
722906928498737152, 80687557481769474688, 1118389087843083461066752
GENERALIZED EULER NUMBERS. REF MTAC 21 689 67.
- 1956 1, 8, 1368, 300608, 186086600
FOLDING A MAP. REF CJ1 14 77 71.
- 1957 1, 8, 1920, 193536, 154828800, 1167851520, 892705701888000,
1428329123020800, 768472460034048000, 4058540589291090739200
COEFFICIENTS FOR CENTRAL DIFFERENCES. REF JIM2 42 162 63.
- 1958 1, 8, 2080, 22386176, 11728394650624, 314824619911446167552
RELATIONAL SYSTEMS. REF OBI.

SEQUENCES BEGINNING 1, 9

- 1959 1, 9, 7, 3, 2, 5, 3, 3, 7, 6, 5, 2, 0, 1, 3, 5, 8, 6, 3, 4, 6, 7, 3, 5, 4, 8, 7, 6, 8, 0, 9, 5, 9,
0, 9, 1, 7, 3, 9, 2, 9, 2, 7, 4, 9, 4, 5, 3, 7, 5, 4, 2, 0, 4, 8, 0, 5, 6, 4, 8, 9, 4, 7, 4, 2, 9, 6, 2
A RANDOM SEQUENCE. REF RA1.
- 1960 1, 9, 8, 6, 1, 2, 2, 8, 6, 6, 8, 1, 0, 9, 6, 9, 1, 3, 9, 5, 2, 4, 5, 2, 8, 6, 9, 2, 2, 5, 2, 5,
7, 0, 4, 6, 4, 7, 4, 9, 0, 5, 7, 8, 2, 2, 7, 4, 9, 4, 5, 1, 7, 3, 4, 6, 9, 4, 3, 3, 6, 3, 7, 4, 9, 4
NATURAL LOGARITHM OF 3. REF RS4 2.
- 1961 1, 9, 8, 6, 9, 6, 0, 4, 4, 0, 1, 0, 8, 9, 3, 5, 8, 6, 1, 8, 8, 3, 4, 4, 9, 0, 9, 9, 9, 8, 7, 6, 1,
5, 1, 3, 5, 3, 1, 3, 6, 9, 9, 4, 0, 7, 2, 4, 0, 7, 9, 0, 6, 2, 6, 4, 1, 3, 3, 4, 9, 3, 7, 6, 2, 2, 0, 0
PI SQUARED. REF RS4 XVIII.
- 1962 1, 9, 14, 21, 27, 34, 43, 50, 61
ZARANKIEWICZS PROBLEM. REF TI1 146. COI 2 138.
- 1963 1, 9, 18, 162, 2520, 33192, 1019088, 7804944, 723961728, 25966523904
SPECIFIC HEAT FOR CUBIC LATTICE. REF PRV 164 801 67.
- 1964 1, 9, 28, 73, 126, 252, 344, 585, 757, 1134, 1332, 2044, 2198, 3096, 3528, 4681,
4914, 6813, 6860, 9198, 9632, 11988, 12168, 16380, 15751, 19782, 20440, 25112, 24390
SUM OF CUBES OF DIVISORS OF N. REF AS1 827.
- 1965 1, 9, 30, 69, 133, 230, 369, 560, 814, 1143, 1560, 2079, 2715, 3484, 4403, 5490,
6764, 8245, 9954, 11913, 14145, 16674, 19525, 22724, 26298, 30275, 34684, 39555
POWERS OF ROOTED TREE ENUMERATOR. REF R1 150.
- 1966 1, 9, 30, 70, 135, 231, 364, 540, 765, 1045, 1386, 1794, 2275, 2835, 3480, 4216,
5049, 5985, 7030, 8190, 9471, 10879, 12420, 14100, 15925, 17901, 20034, 22330, 24795
OCTAGONAL PYRAMIDAL NUMBERS. REF DI2 2 2. BE3 194.

- 1967 1, 9, 30, 180, 980, 8326, 70272, 695690, 7518720, 89193276, 1148241458,
1594768065, 23761398040, 3780133322620, 63945806121448
DISCORDANT PERMUTATIONS. REF SMA 20 23 54.
- 1968 1, 9, 34, 95, 210, 406, 740, 1161, 1920, 2695, 4116, 5369, 7868, 9690, 13640,
16116, 22419, 25365, 34160, 38640, 50622, 55154, 73320, 77225, 100100, 107730
RELATED TO THE DIVISOR FUNCTION. REF SMA 19 39 53.
- 1969 1, 9, 34, 104, 283, 957, 3033, 9519
IMPERFECT SQUARED RECTANGLES. REF GA1 207. B04.
- 1970 1, 9, 35, 95, 210, 406, 714, 1170, 1815, 2695, 3861, 5369, 7280, 9660, 12580,
16116, 20349, 25365, 31255, 38115, 46046, 55154, 65550, 77350, 90675, 105651
4-DIMENSIONAL FIGURATE NUMBERS. REF BE3 195.
- 1971 1, 9, 36, 84, 117, 54, 177, 540, 837, 755, 54, 1197, 2535, 3204, 2520, 246, 3150,
6426, 8106, 7011, 2844, 3549, 10359, 15120, 15804, 11403, 2574, 8610, 18972, 25425
COEFFICIENTS OF A MODULAR FORM. REF JLMS 39 435 64.
- 1972 1, 9, 36, 100, 225, 441, 784, 1296, 2025, 3025, 4356, 6084, 8281, 11025, 14400,
18496, 23409, 29241, 36100, 44100, 53361, 64009, 76176, 90000, 105625, 123201
SUMS OF CUBES. REF AS1 813.
- 1973 1, 9, 39, 1141, 12721, 804309
COEFFICIENTS OF SINH X / COS X. REF CMB 13 309 70.
- 1974 1, 9, 41, 129, 321, 681, 1289, 2241, 3649, 5641, 8361, 11969, 16641, 22569,
29961, 39041, 50049, 63241, 78889, 97281, 118721, 143529, 172041, 204609, 241601
A SQUARE RECURRENCE. REF SIAMR 12 277 70.
- 1975 1, 9, 42, 132, 334, 728, 1428, 2584, 4369, 7084, 10963, 16380, 23751, 33563,
46376, 62832, 83657, 109668, 141778, 181001, 228459, 285384, 353127, 433160
FERMAT COEFFICIENTS. REF MMAG 27 141 54.
- 1976 1, 9, 45, 165, 495, 1287, 3003, 6435, 12870, 24310, 43758, 75582, 125970,
203490, 319770, 490314, 735471, 1081575, 1562275, 2220075, 3106105, 4292145
FIGURATE NUMBERS OR BINOMIAL COEFFICIENTS C(N, 8). REF DI2 2 7. RS1. BE3 196.
AS1 828.
- 1977 1, 9, 45, 285, 2025, 15333, 120825, 978405, 8080425, 67731333, 574304985,
4814341925, 42364319625, 367428536133, 3202860761145, 28037802953445
1**N + 2**N + ... + 9**N. REF AS1 813.
- 1978 1, 9, 46, 177, 571, 1632, 4270, 10446, 24244, 53942, 115954, 242240, 494087,
987503, 1933634, 3753007, 7167461, 13532608, 25293964, 46856332, 86110792
FROM ROOK POLYNOMIALS. REF SMA 20 18 54.
- 1979 1, 9, 50, 1225, 7938, 106722, 736164, 41409225, 295488050
COEFFICIENTS OF LEGENDRE POLYNOMIALS. REF PR1 157. FMR 1 362.
- 1980 1, 9, 53, 362, 2790, 24024, 229080, 2399760, 27422640, 339696000, 4536362880
64898179200, 994447238400, 16190733081600, 279499828608000
DIFFERENCES OF FACTORIAL NUMBERS. REF JRAM 198 61 57.
- 1981 1, 9, 54, 273, 1260, 5508, 23256, 95931, 389367, 1562275, 6216210, 24582285,
96768360, 379629720, 1485507600, 5801732460, 22626756594, 88152205554
LAPLACE TRANSFORM COEFFICIENTS. REF OAM 14 407 56.

- 1982 1, 9, 56, 300, 1485, 7007, 32032, 143208, 629850, 2735810, 11767536
PARTITIONS OF A POLYGON BY NUMBER OF PARTS. REF CAY 13 95.
- 1983 1, 9, 61, 381, 2332, 14037, 89497, 569794, 3704504, 24584693, 166335677,
1145533650, 8017098273, 56929364553, 409558170361, 2981386305018
PERMUTATIONS BY SUBSEQUENCES. REF MTAC 22 390 68.
- 1984 1, 9, 64, 326, 1433, 5799, 22224, 81987, 293987
PARTIALLY LABELED ROOTED TREES. REF R1 134.
- 1985 1, 9, 66, 450, 2955, 18963, 119812, 748548, 4637205, 28537245
SPHEROIDAL HARMONICS. REF MES 54 75 24.
- 1986 1, 9, 67, 525, 4651, 47229
EXPANSION OF AN INTEGRAL. REF SKA 11 95 28.
- 1987 1, 9, 70, 571, 4820, 44676, 450824, 4980274, 59834748
ASYMMETRIC PERMUTATIONS. REF LUI 1 222.
- 1988 1, 9, 71, 580, 5104, 48860, 509004, 5753736, 70290936, 924118272,
13020978816, 195869441664, 3134328981120, 53180752331520, 953884282141440
GENERALIZED STIRLING NUMBERS. REF PEF 77 7 62.
- 1989 1, 9, 72, 600, 5400, 52920, 564480, 6531840, 81648000, 1097712000,
15807052800
COEFFICIENTS OF LAGUERRE POLYNOMIALS. REF LA4 519. AS1 799.
- 1990 1, 9, 74, 638, 5944, 60216, 662640, 7893840, 101378860, 1397759040,
20608463360, 323626665600, 5395972377600, 95218662067200, 1773217155225600
GENERALIZED STIRLING NUMBERS. REF PEF 77 44 52.
- 1991 1, 9, 77, 1224, 7888, 202124, 1649375
CONSECUTIVE RESIDUES. REF MTAC 18 397 64.
- 1992 1, 9, 81, 729, 6561, 59049, 531441, 4782969, 43046721, 387420489, 3486784401,
31381059609, 282429536481, 2541865828329, 22876792454961
POWERS OF NINE. REF BA1.
- 1993 1, 9, 81, 835, 9990, 137466, 2148139, 37662381, 733015845, 15693217705,
366695853876, 928911707324, 253623142901401, 7425873460633005
FROM BESSEL POLYNOMIALS. REF RCI 77. R11.
- 1994 1, 9, 95, 420, 1225, 2634, 5652, 10165, 16940, 26625, 39949, 57722, 80835,
110260, 147050, 192339, 247342, 313355, 391755, 484000, 591629, 716262, 859600
DISCORDANT PERMUTATIONS. REF SMA 20 23 54.
- 1995 1, 9, 108, 3420, 114480, 7786800
GENERATORS FOR SYMMETRIC GROUP. JCT 9 111 70.
- 1996 1, 9, 120, 2100, 45360, 1164240, 34584560, 1167566400, 44108064000,
1843717075200, 84475764172800
COEFFICIENTS OF ORTHOGONAL POLYNOMIALS. REF MTAC 9 174 55.
- 1997 1, 9, 225, 11025, 893025, 108056025, 18261468225, 4106830350625,
1187451971330625, 428670161650355625, 189043541287808830625
CENTRAL FACTORIAL NUMBERS. REF RCI 217.

- 1998 1, 9, 259, 1974, 8778, 28743, 77077, 179452, 375972, 725781, 1312311, 224917,
3686670, 5818995, 8892009, 13211704, 19153288, 27170913, 37808043
CENTRAL FACTORIAL NUMBERS. REF RCI 217.
- 1999 1, 9, 475, 36799, 2082753, 262747265
FROM HIGHER ORDER BERNOULLI NUMBERS. REF NO1 461.
- 2000 1, 9, 1375, 114562, 9458775
FROM HIGHER ORDER BERNOULLI NUMBERS. REF NO1 461.
- SEQUENCES BEGINNING 1, 10 THROUGH 1, 19**
- 2001 1, 10, 17, 106, 437, 20480, 44707, 1068404
SUMS OF LOGARITHMIC NUMBERS. REF MST 31 77 63.
- 2002 1, 10, 25, 37, 42, 48, 79, 145, 244, 415, 672, 1100, 1722, 2727, 4193, 6428, 9656
14478, 21313, 31304, 45329, 65311, 93074, 132026, 185413, 259242, 359395, 495839
A GENERALIZED PARTITION FUNCTION. REF PNISI 17 236 51.
- 2003 1, 10, 30, 20, 10, 12, 20, 40, 90, 220, 572, 1560, 4920, 12920, 38760, 118864,
371450, 1179900
BINOMIAL COEFFICIENTS. REF TH1 164. FMR 1 55.
- 2004 1, 10, 34, 58, 73, 79, 86, 152, 265, 457, 763, 1268, 2058, 3308, 5236, 8220, 1273
19546, 29685, 44702, 66714, 98806, 145154, 211756, 306667, 441249, 630771
A GENERALIZED PARTITION FUNCTION. REF PNISI 17 236 51.
- 2005 1, 10, 34, 206, 1351, 10543, 92708
HIT POLYNOMIALS. REF RIG.
- 2006 1, 10, 35, 84, 165, 286, 455, 680, 969, 1330, 1771, 2300, 2925, 3654, 4495, 5456
6545, 7770, 9139, 10660, 12341, 14190, 16215, 18424, 20825, 23426, 26235, 29260
CENTRAL FACTORIAL NUMBERS. REF AMS 2 358 31 (DIVIDED BY 2). CC1 742. RCI 217.
- 2007 1, 10, 35, 271, 29821
SWITCHING NETWORKS. REF JFI 276 317 63.
- 2008 1, 10, 40, 110, 245, 476, 840, 1380, 2145, 3190, 4576, 6370, 8645, 11480, 14960,
19176, 24225, 30210, 37240, 45430, 54901, 65780, 78200, 92300, 108225, 126126
4-DIMENSIONAL FIGURATE NUMBERS. REF BE3 195.
- 2009 1, 10, 40, 315, 2464, 222480, 2447445, 29368120, 381798846,
5345183480, 8017752655, 1282844041920, 21808348713320, 392550276838944
RENCONTRES NUMBERS. REF R1 65.
- 2010 1, 10, 45, 120, 200, 162, 160, 810, 1530, 1730, 749, 1630, 4755, 7070, 6700, 245C
5295, 14070, 20010, 19350, 10157, 6290, 25515, 40660, 44940, 34268, 9180, 24510
COEFFICIENTS OF A MODULAR FORM. REF JLMS 39 435 64.
- 2011 1, 10, 46, 556, 160948
SWITCHING NETWORKS. REF JFI 276 317 63.
- 2012 1, 10, 50, 385, 3130, 28764, 291900
FROM MENAGE POLYNOMIALS. REF R1 198.

- 2013 1, 10, 55, 220, 715, 2002, 5005, 11440, 24310, 48620, 92378, 167960, 293930, 497420, 817190, 1307504, 2042975, 3124550, 4686825, 6906900, 10015005, 14307150
 FIGURATE NUMBERS OR BINOMIAL COEFFICIENTS C(N, 9). REF D12 2 7. RS1. BE3 196.
 AS1 828.
- 2014 1, 10, 55, 385, 3025, 25333, 220825, 1978405, 18080425, 167731333, 1574304985, 14914341925, 142364319625, 1367428536133, 13202860761145
 $1^{*N} + 2^{*N} + \dots + 10^{*N}$. REF AS1 813.
- 2015 1, 10, 55, 1996, 1175666
 SWITCHING NETWORKS. REF JFI 276 317 63.
- 2016 1, 10, 56, 234, 815, 2504, 7018, 18336
 ARRAYS OF DUMBBELLS. REF JMP 11 3098 70.
- 2017 1, 10, 60, 462, 3920, 36954, 362740
 KINGS PROBLEM. REF AMS 38 1253 67.
- 2018 1, 10, 65, 350, 1701, 7770, 34105, 145750, 611501, 2532530, 10391745, 42355950, 171798901, 694337290, 2798806985, 11259666950, 45232115901
 STIRLING NUMBERS OF SECOND KIND. REF AS1 835. DKB 223.
- 2019 1, 10, 70, 420, 2310, 12012, 60060, 291720
 PRODUCT OF BINOMIAL COEFFICIENTS. REF JO2 449.
- 2020 1, 10, 76, 8416, 268496896
 SWITCHING NETWORKS. REF JFI 276 317 63.
- 2021 1, 10, 80, 365, 1246, 3535
 SEQUENCES BY NUMBER OF INCREASES. REF JCT 1 372 66.
- 2022 1, 10, 85, 735, 6769, 67284, 723680, 8409500, 105258076, 1414014888, 20313753096, 310989260400, 5056995703824, 87077748875904, 1583313975727488
 STIRLING NUMBERS OF FIRST KIND. REF AS1 833. DKB 226.
- 2023 1, 10, 88, 6616, 91666432
 SWITCHING NETWORKS. REF JFI 276 317 63.
- 2024 1, 10, 91, 651, 4026, 22737
 COEFFICIENTS FOR EXTRAPOLATION. REF SE2 93.
- 2025 1, 10, 91, 820, 7381, 66430, 597871, 5380840
 CENTRAL FACTORIAL NUMBERS. REF TH1 36. FMR 1 112. RCI 217.
- 2026 1, 10, 99, 1024, 11234, 132269, 1670481, 22586759, 326089984, 5012274595
 PERMUTATIONS BY LENGTH OF RUNS. REF DKB 262 (DIVIDED BY 2).
- 2027 1, 10, 99, 1024, 11304, 133669, 1695429, 23023811, 333840443, 5153118154, 84426592621, 1463941342191, 26793750988542, 516319125748337
 PERMUTATIONS BY LENGTH OF RUNS. REF DKB 261.
- 2028 1, 10, 105, 1260, 17325, 270270, 4729725, 91891800, 1964187225, 45831035250, 1159525191825, 31623414322500, 924984868933125, 28887988983603750
 ASSOCIATED STIRLING NUMBERS. REF TOH 37 259 33. JO2 152. DB1 296. CO1 2 98.
 (DIVIDED BY 2).
- 2029 1, 10, 180, 4620, 152680, 6168960, 293025600
 DISSECTIONS OF A BALL. REF CMA 2 25 70.

- 2030 1, 10, 199, 3970, 79201, 1580050, 31521799, 628885930, 12545596801, 250283080090, 4893116004999, 99612037019890, 1987247624392801
 $A(N) = 20A(N-1) - A(N-2)$. REF NCM 4 167 1878. MTS 65(4, SUPPLEMENT) 8 56.
- 2031 1, 10, 259, 12916, 1057221, 128816766, 21878089479, 4940831601000, 1432009163039625, 518142759828635250, 228929627246076500875
 CENTRAL FACTORIAL NUMBERS. REF RCI 217.
- 2032 1, 10, 297, 13756, 925705
 RESTRICTED PERMUTATIONS. REF R1 187.
- 2033 1, 10, 378, 16576, 819420
 FINITE AUTOMATA. REF IC 10 507 67.
- 2034 1, 10, 438, 5893028544
 POST FUNCTIONS. REF JCT 4 298 68.
- 2035 1, 10, 3330, 178981952
 GROUPOIDS. REF PAMS 17 736 66. JL2 245.
- 2036 1, 11, 5, 137, 7, 363, 761, 7129, 671, 83711, 6617, 1145993, 1171733, 1195757, 143327, 42142228, 751279, 275295799
 COEFFICIENTS FOR NUMERICAL DIFFERENTIATION. REF PHM 33 11 42. BAMS 48 922 42.
- 2037 1, 11, 7, 389, 1031, 19039, 24457, 1023497
 SUMS OF LOGARITHMIC NUMBERS. REF MST 31 78 63.
- 2038 1, 11, 13, 19, 29, 37, 41, 53, 59, 61, 67, 71, 79, 83, 101, 107, 131, 139, 149, 163, 173, 179, 181, 191, 197, 199, 211, 227, 239, 251, 269, 271, 293, 311, 317, 347, 349
 SOLUTION OF A CONGRUENCE. REF KRI 1 64.
- 2039 1, 11, 23, 83, 131, 179, 191, 239, 251, 359, 419, 431, 443, 491, 659, 683, 719, 743, 911, 1019, 1031, 1103, 1223, 1439, 1451, 1499, 1511, 1559, 1583, 1611, 1931, 2003
 FROM LUCASIAN NUMBERS. REF BA3 564 1894. D12 1 27.
- 2040 1, 11, 26, 39, 47, 53, 61, 67, 76, 83, 89, 104, 106, 109, 116, 118, 121, 139, 147, 152, 155, 170, 186, 191, 200, 207, 211, 212, 214, 219, 222, 233, 236, 244, 249, 262, 277
 ELLIPTIC CURVES. REF JRAM 212 24 63.
- 2041 1, 11, 30, 77, 162, 323, 589, 1043, 1752, 2876, 4571, 7128, 10860, 16306, 24051, 35040, 50355, 71609, 100697, 140349, 193784, 265505, 360889, 487214, 653243
 BIPARTITE PARTITIONS. REF N11 1.
- 2042 1, 11, 31, 151, 911, 5951, 40051, 272611, 1863551, 12760031, 87424711, 599129311, 4106261531, 28144128251, 192901135711, 1322159893351
 RELATED TO FACTORS OF FIBONACCI NUMBERS. REF JA2 20.
- 2043 1, 11, 31, 161, 601, 2651, 10711, 45281, 186961, 781451, 3245551, 13524161, 56258261, 234234011, 974792551, 4057691201, 16688515361, 70296251531
 $A(N) = 2A(N-1) + 9A(N-2)$. REF MQET 1 11 16.
- 2044 1, 11, 61, 181, 421, 461, 521, 991, 1621, 1871, 3001, 4441, 4621, 6871, 9091, 9931, 12391, 13421, 14821, 19141, 25951, 35281, 35401, 55201, 56321, 61681, 62071
 QUINTAN PRIMES. REF CU1 2 201.

- 2045 1, 11, 61, 231, 681, 1683, 3653, 7183, 13073, 22363, 36365, 56695, 85305, 124515, 177045, 246047, 335137, 448427, 590557, 766727, 982729, 1244979, 1560549
A SQUARE RECURRENCE. REF SIAMR 12 277 70.
- 2046 1, 11, 66, 286, 1001, 3003, 8008, 19448, 43758, 92378, 184756, 352716, 646646, 1144066, 1961256, 3268760, 5311735, 8436285, 13123110, 20030010, 30045015
FIGURATE NUMBERS OR BINOMIAL COEFFICIENTS C(N, 10). REF DI2 2 7. RS1. BE3 196.
AS1 828.
- 2047 1, 11, 56, 302, 1191, 4293, 14608, 47840, 152637, 478271, 1479726, 4537314, 13824738, 41932745
EULERIAN NUMBERS. REF R1 215. DB1 151. JCT 1 351 66. DKB 260. CO1 2 84.
- 2048 1, 11, 77, 440, 2244, 10659, 48279, 211508, 904475, 3798795, 15737865, 64512240, 262256280, 1059111900, 4254603804, 17018415216, 67837293986
LAPLACE TRANSFORM COEFFICIENTS. REF QAM 14 407 56.
- 2049 1, 11, 85, 575, 3661, 22631, 137845, 833375, 5019421, 30174551
DIFFERENCES OF RECIPROALS OF UNITY. REF DKB 228.
- 2050 1, 11, 87, 693, 5934, 55674, 572650, 6429470, 78366855, 1031378445,
14583751161, 220562730171, 3553474061452
PERMUTATIONS BY NUMBER OF PAIRS. REF DKB 264.
- 2051 1, 11, 101, 791, 5611, 39161, 270281, 1857451, 12744061, 87382901, 599019851,
4105974961, 28143378001, 192899171531, 1322154751061, 9062194370461
RELATED TO FACTORS OF FIBONACCI NUMBERS. REF JA2 20.
- 2052 1, 11, 107, 1066, 11274, 127860, 1557660, 20355120, 284574960, 4243508640,
67285058400, 1131047366400, 20099588140800, 376612896038400
GENERALIZED STIRLING NUMBERS. REF PEF 77 61 62.
- 2053 1, 11, 113, 1099, 11060, 118484, 1366134, 16970322, 226574211, 3240161105,
49453685911, 802780789101
PERMUTATIONS BY NUMBER OF PAIRS. REF DKB 263.
- 2054 1, 11, 121, 1331, 14641, 161051, 1771561, 19487171, 214358881, 2357947691,
25937424601, 285311670611, 3138428376721, 34522712149831
POWERS OF ELEVEN. REF BA1.
- 2055 1, 11, 188, 2992, 51708, 930436, 17131724
SPECIFIC HEAT FOR CUBIC LATTICE. REF JMP 3 187 62.
- 2056 1, 11, 191, 2497, 14797, 92427157, 36740617, 61430943169, 23133945892303,
16399688681447
COEFFICIENTS FOR NUMERICAL INTEGRATION. REF OP1 545. PHM 35 263 44.
- 2057 1, 11, 301, 15371, 1261501, 151846331, 25201039501, 5515342166891,
1538993024478301, 533269474412481051, 224671379367784281901
MULTIPLES OF GLAISHERS I NUMBERS. REF PLMS 31 232 1899. FMR 1 76.
- 2058 1, 11, 309, 5805, 95575, 1516785, 24206055, 396475975, 6733084365,
119149397490
PERMUTATIONS BY NUMBER OF PAIRS. REF DKB 264.

- 2059 1, 11, 361, 24611, 2873041, 512343611, 129570724921, 44110959165011,
19450718635716001, 10784052561125704811, 7342627959965776406281
GENERALIZED TANGENT NUMBERS. REF QJM 45 202 14. MTAC 21 690 67.
- 2060 1, 11, 1230, 47093135946
POST FUNCTIONS. REF JCT 4 296 68.
- 2061 1, 12, 4, 129, 72, 1332, 960, 13419, 11372, 132900
SUSCEPTIBILITY FOR TRIANGULAR LATTICE. REF PHA 28 934 62.
- 2062 1, 12, 4, 360, 40, 20160, 12096, 259200, 604800, 239500800, 760320,
45589145600, 217945728000, 1494484992000, 697426329600, 3201186852864000
FROM GENERALIZED BERNOULLI NUMBERS. REF JM2 23 211 44.
- 2063 1, 12, 6, 180, 10, 560, 1260, 12600, 1260, 166320, 13860, 2522520, 2702700,
2882880, 360360, 110270160, 2042040, 775975200
COEFFICIENTS FOR NUMERICAL DIFFERENTIATION. REF PHM 33 11 42. BAMS 48 922 42.
- 2064 1, 12, 14, 135, 276, 1520, 4056, 17778, 54392, 213522, 700362, 2601674,
8836812, 31925046, 110323056
SUSCEPTIBILITY FOR CUBIC LATTICE. REF JCP 38 811 63.
- 2065 1, 12, 24, 60, 180, 588, 1968, 6840, 24240, 87252, 318360, 1173744, 4366740,
16370700, 61780320, 234505140
WALKS ON A TRIANGULAR LATTICE. REF JCP 46 3481 67.
- 2066 1, 12, 24, 168, 1440, 24480, 297024, 28017216, 533681664, 41156316672
SPECIFIC HEAT FOR CUBIC LATTICE. REF PRV 164 801 67.
- 2067 1, 12, 48, 16, 414, 960, 672, 4800, 2721, 9064, 8880, 6812, 2398, 13440, 29280,
30976, 10878, 57228, 9360, 262384, 53760, 177600, 113952, 107520, 436131, 16488
RELATED TO REPRESENTATION AS SUMS OF SQUARES. REF QJM 38 325 07.
- 2068 1, 12, 48, 540, 4320, 42240, 403200, 4038300, 40958400
WALKS ON A CUBIC LATTICE. REF AIP 9 345 60.
- 2069 1, 12, 54, 88, 99, 540, 418, 648, 594, 836, 1056, 4104, 209, 4104, 594, 4256, 6480,
4752, 298, 5016, 17226, 12100, 5346, 1296, 9063, 7128, 19494, 29160, 10032, 7668
COEFFICIENTS OF A MODULAR FORM. REF QJM 38 56 07. KNAW 59 207 56.
- 2070 1, 12, 60, 210, 630, 1736, 4536, 11430
LABELED TREES OF DIAMETER 3. REF IBMJ 4 478 60.
- 2071 1, 12, 66, 220, 483, 660, 252, 1320, 4059, 6644, 6336, 240, 12255, 27192, 35850,
27972, 2343, 50568, 99286, 122496, 96162, 11584, 115116, 242616, 315216, 283800
COEFFICIENTS OF A MODULAR FORM. REF JLMS 39 436 64.
- 2072 1, 12, 66, 245, 715, 1768, 3876, 7752, 14421, 25300, 42287, 67860, 105183,
158224, 231880, 332112, 466089, 642341, 870922, 1163580, 1533939, 1997688
FERMAT COEFFICIENTS. REF MMAG 27 141 54.
- 2073 1, 12, 78, 364, 1365, 4368, 12376, 31824, 75582, 167960, 352716, 705432,
1352078, 2496144, 4457400, 7726160, 13037895, 21474180, 34597290, 54627300
FIGURATE NUMBERS OR BINOMIAL COEFFICIENTS C(N, 11). REF DI2 2 7. RS1. BE3 196.
AS1 828.

- 2074** 1, 12, 84, 468, 2332, 11068, 51472, 237832, 1095384
WALKS ON A CUBIC LATTICE. REF PCPS 58 99 62.
- 2075** 1, 12, 90, 560, 3150, 16632, 84084, 411840, 1969110, 9237800, 42678636,
 19469232, 878850700, 3931426800, 17450721000
COEFFICIENTS FOR NUMERICAL DIFFERENTIATION. REF OP1 21. SE2 92. JM2 22 120 43.
LA4 514.
- 2076** 1, 12, 110, 945, 8092, 70756
GENERALIZED STIRLING NUMBERS OF SECOND KIND. REF FQ 5 366 67.
- 2077** 1, 12, 119, 1175, 12154, 133938, 1580508, 19978308, 270074016, 3894932448,
 59760168192, 972751628160, 1675285175360, 304473528961920
GENERALIZED STIRLING NUMBERS. REF REF 77 26 62.
- 2078** 1, 12, 120, 720, 3360, 13440, 48384, 161280, 506880, 1520640
COEFFICIENTS OF HERMITE POLYNOMIALS. REF AS1 801.
- 2079** 1, 12, 120, 1200, 12600, 141120, 1693440, 21772800, 299376000, 4390848000,
 68497228800, 1133317785600, 19833061248000, 366148823040000
LAH NUMBERS. REF R1 44. CO1 1 166.
- 2080** 1, 12, 132, 847, 3921, 14506, 45402, 124707, 308407, 699766
STOCHASTIC CUBIC ARRAYS. REF CJ1 13 283 70.
- 2081** 1, 12, 132, 1404, 14652, 151116, 1546332, 15734460, 159425580, 1609987708,
 16215457188, 162961837500, 1634743178420
SUSCEPTIBILITY FOR CUBIC LATTICE. REF SSP 3 268 70.
- 2082** 1, 12, 132, 1404, 14700, 152532, 1573716, 16172148, 165697044, 1693773924,
 17281929564, 176064704412, 1791455071068
WALKS ON A CUBIC LATTICE. REF JCP 46 3481 57.
- 2083** 1, 12, 137, 1602, 19710, 257400, 3574957, 52785901, 827242933, 13730434111,
 240806565782, 4452251786946, 86585391630673
PERMUTATIONS BY LENGTH OF RUNS. REF DKB 261.
- 2084** 1, 12, 144, 1728, 20736, 248832, 2985984, 35831808, 429981696, 5159780352,
 61917364224, 743008370688, 8916100448256, 106993205379072
POWERS OF TWELVE. REF BA1.
- 2085** 1, 12, 144, 1750, 23420, 303240, 3641100, 46113200, 575360400, 7346545000
POWERS OF TEN WRITTEN IN BASE 8. REF AS1 1017.
- 2086** 1, 12, 148, 2568, 53944
PARTITION FUNCTION FOR CUBIC LATTICE. REF PHM 2 745 57.
- 2087** 1, 12, 180, 2800, 44100, 698544, 11099088, 176679360, 2815827300,
 44914183600, 716830370256, 11445589052352, 182811491808400, 2920656969720000
REMAINDER IN GAUSSIAN QUADRATURE. REF MTAC 1 53 43.
- 2088** 1, 12, 180, 3360, 75600, 1995840, 60540480, 2075673600, 79394515200,
 3352212864000, 154872234316800, 7771770303897600, 420970891461120000
COEFFICIENTS OF HERMITE POLYNOMIALS. REF MTAC 3 158 4B.
- 2089** 1, 12, 240, 4032, 34560, 101376, 50319360
FROM HIGHER ORDER BERNOULLI NUMBERS. REF NO1 459.

- 2090** 1, 12, 240, 6624, 234720, 10208832, 526810176, 31434585600, 2127785025024,
 161064469168128
SUSCEPTIBILITY FOR CUBIC LATTICE. REF PRV 164 801 67.
- 2091** 1, 12, 288, 51840, 2488320, 209018880, 75246796800, 902961561600,
 86684309913600, 51490480886784000, 8650400654897912000
EXPANSION OF GAMMA FUNCTION. REF MTAC 22 619 68.
- 2092** 1, 12, 360, 20160, 239500800, 43589145600, 10461394944000,
 3201186852864000, 121645100408320000, 562000363888803840000
COEFFICIENTS FOR CENTRAL DIFFERENCES. REF JM2 42 162 63.
- 2093** 1, 12, 720, 60480, 3628800, 95800320, 2615348736000, 4483454976000,
 32011868528640000, 51090942171709440000, 152579284313702400000
COEFFICIENTS FOR NUMERICAL INTEGRATION. REF OP1 545. PHM 35 263 44.
- 2094** 1, 12, 10206, 2148007936
POST FUNCTIONS. REF JCT 4 295 68.
- 2095** 1, 13, 11, 1093, 757, 3851, 797161, 4561, 34511, 363889, 368089, 1001523179,
 391151, 8209, 20381027, 4404047, 2413941289, 2644097031, 17189128703, 7333
LARGEST FACTOR OF $3^{*}(2N + 1) - 1$. REF KR1 2 28.
- 2096** 1, 13, 19, 37, 61, 109, 157, 193, 241, 283, 367, 373, 379, 397, 487
RELATED TO KUMMERS CONJECTURE. REF HA3 482.
- 2097** 1, 13, 41, 671, 73, 597871, 7913, 28009, 792451, 170549237, 19397633,
 317733228541, 9860686403
COEFFICIENTS FOR CENTRAL DIFFERENCES. REF JM2 42 162 63.
- 2098** 1, 13, 47, 73, 2447, 16811
RELATED TO WEBER FUNCTIONS. REF KNAW 66 751 63.
- 2099** 1, 13, 51, 601, 4806, 39173, 775351
LABELLED SERIES-REDUCED TREES. REF RI1.
- 2100** 1, 13, 61, 73, 193, 241, 541, 601, 1021, 1801, 1873, 1933, 2221, 3121, 3361, 4993,
 5521, 6481, 8461, 9181, 9901, 10993, 11113, 12241, 12541, 13633, 14173, 17761, 20593
SEXTAN PRIMES. REF CU1 1 256.
- 2101** 1, 13, 72, 595, 4096, 39078, 379760, 4181826, 49916448, 647070333,
 9035216428, 135236990388, 2159812592384, 36658601139066, 658942295734944
DISCORDANT PERMUTATIONS. REF SMA 20 23 54.
- 2102** 1, 13, 85, 377, 1289, 3653, 8989, 19825, 40081, 75517, 134245, 227305, 369305,
 579125, 880685, 1303777, 1884961, 2668525, 3707509, 5064793, 6814249
A SQUARE RECURRENCE. REF SIAMR 12 277 70.
- 2103** 1, 13, 87, 4148, 153668757
SWITCHING NETWORKS. REF JFI 276 317 63.
- 2104** 1, 13, 104, 663, 3705, 19019, 92092, 427570, 1924065, 8454225, 36463440,
 154969620, 650872404, 2707475148, 11173706960, 45812198536, 186803188858
LAPLACE TRANSFORM COEFFICIENTS. REF QAM 14 407 56.

- 2105** 1, 13, 109, 193, 433, 769, 1201, 1453, 2029, 3469, 3889, 4801, 10093, 12289, 13873, 18253, 20173, 21169, 22189, 28813, 37633, 43201, 47629, 60493, 63949, 65713
CUBAN PRIMES. REF CUI 1 259.
- 2106** 1, 13, 158, 66336, 122544034314
SWITCHING NETWORKS. REF JFI 276 317 63.
- 2107** 1, 13, 169, 2197, 28561, 371293, 4826809, 62746517, 815730721, 10604499373, 137858491849, 1792160394037, 23298085122481, 302875106592253
POWERS OF THIRTEEN. REF BA1.
- 2108** 1, 13, 181, 2521, 35113, 489061, 6811741, 94875313, 1321442641, 18405321661, 256353060613, 3570537526921, 49731172316281, 692665874901013
FROM THE SOLUTION TO A PELLIAN. REF AMM 56 174 49.
- 2109** 1, 13, 192, 1085, 3880, 10656, 24626, 50380, 94128, 163943, 270004, 424839, 643568, 944146, 1347606, 1878302, 2564152, 3436881, 4532264, 5890369, 7555800
DISCORDANT PERMUTATIONS. REF SMA 20 23 54.
- 2110** 1, 13, 237, 356026, 2932175712336
SWITCHING NETWORKS. REF JFI 276 317 63.
- 2111** 1, 13, 252, 3740, 51300, 685419, 9095856, 120872850, 1614234960, 21697730849
C-NETS. REF JCT 4 275 68.
- 2112** 1, 13, 273, 4641, 85085, 1514513, 27261234, 488605194, 8771626578
FROM FIBONACCI IDENTITIES. REF FQ 6 82 68.
- 2113** 1, 14, 21, 25, 30, 33, 38, 41, 43, 48, 50, 53, 56, 59, 61, 65, 67, 70, 72, 76, 77, 79, 83, 85, 87, 89, 92, 95, 96, 99, 101, 104, 105, 107, 111, 112, 114, 116, 119, 121, 123, 124
ZEROS OF RIEMANN ZETA FUNCTION. REF RS7 58.
- 2114** 1, 14, 70, 140, 70, 28, 28, 40, 70, 140, 308, 728, 1820, 4760, 12920, 36176, 104006, 305900
BINOMIAL COEFFICIENTS. REF TH1 164. FMR 1 55.
- 2115** 1, 14, 120, 825, 5005, 28028, 148512, 755820, 3730650, 17978180
PARTITIONS OF A POLYGON BY NUMBER OF PARTS. REF CAY 13 95.
- 2116** 1, 14, 126, 630, 2310, 6930, 18018, 42042
RELATED TO BINOMIAL MOMENTS. REF JO2 449.
- 2117** 1, 14, 135, 5478, 165826, 13180268, 834687179
COEFFICIENTS OF ELLIPTIC FUNCTIONS. REF TM1 4 92.
- 2118** 1, 14, 147, 1408, 13013, 118482
CENTRAL FACTORIAL NUMBERS. REF TH1 35. FMR 1 112. RCI 217.
- 2119** 1, 14, 155, 1665, 18424, 214676, 2655764, 34967140, 489896616, 7292774280, 115119818736, 1922666722704, 33896996544384, 6294296933586048
GENERALIZED STIRLING NUMBERS. REF PEF 77 7 62.
- 2120** 1, 14, 196, 2744, 38416, 537824, 7529536, 105413504, 1475789056, 20661046784, 289254654976, 4049565169664, 566893912375296, 793714773254144
POWERS OF FOURTEEN. REF BA1.

- 2121** 1, 14, 273, 7645, 296296, 15291640, 1017067024, 84865562640, 8689315795776
 1071814846360896, 156823829909121024, 26862299458337581056
CENTRAL FACTORIAL NUMBERS. REF RCI 217.
- 2122** 1, 14, 386, 5868, 65954, 614404, 5030004, 37460376
ROOTED PLANAR MAPS. REF BAMS 74 74 68.
- 2123** 1, 14, 560, 11200, 197568, 3378944, 57573888
ALMOST CUBIC MAPS. REF PL2 1 292 70.
- 2124** 1, 14, 818, 141, 13063, 16774564, 1057052, 4651811, 778001383, 1947352646, 1073136102266, 72379420806883
DOUBLE SUMS OF RECIPROALS. REF RO2 316. FMR 1 117.
- 2125** 1, 15, 17, 24, 37, 43, 57, 63, 65, 73, 79, 89, 101, 106, 122, 129, 131, 142, 145, 148, 151, 161, 164, 168, 171, 186, 195, 197, 198, 204, 217, 222, 223, 225, 229, 232, 233, 248
ELLIPTIC CURVES. REF JRAM 212 24 63.
- 2126** 1, 15, 21, 33, 35, 39, 51, 55, 57, 65, 69, 77, 85, 87, 91, 93, 95, 115, 119, 133, 143, 145, 155, 161, 187, 203, 209, 217, 221, 247, 253, 299, 319, 323, 341, 377, 391, 403, 437
RELATED TO LIOUVILLES FUNCTION. REF JIMS 7 71 43.
- 2127** 1, 15, 29, 12, 26, 12, 26, 9, 23, 7, 21, 4, 18, 2, 16, 30, 13, 27, 10, 24, 8, 22, 5, 19, 3, 17, 31, 14, 28, 11, 25, 11, 25, 8, 22, 6, 20, 3, 17, 1, 15, 29, 12, 26, 9, 23, 7, 21, 4, 18, 2
DAYS AT FORTNIGHTLY INTERVALS FROM JANUARY 1. REF EUR 13 11 50.
- 2128** 1, 15, 42, 90, 126, 165, 273, 612, 630, 855, 1020, 1404, 1512, 1518, 1950, 1980, 2457, 3045, 3720, 5040, 6327, 6480, 7280, 8184, 8610, 9933, 12872, 14700, 15600
NON-CYCLIC SIMPLE GROUPS. REF DI1 309. JLT 137. (DIVIDED BY 4)
- 2129** 1, 15, 45, 118, 257, 522, 975, 1752, 2998, 4987, 8043, 12693, 19584, 29719, 44324, 65210, 94642, 135605, 192699, 270822, 377048, 520624, 713123, 969784
BIPARTITE PARTITIONS. REF NI1 1.
- 2130** 1, 15, 51, 97, 127, 145, 152, 160, 273, 481, 811, 1372, 2250, 3692, 5924, 9472, 14887, 23310, 36005, 55314, 84042, 126998, 190138, 283108, 418175, 614429, 896439
A GENERALIZED PARTITION FUNCTION. REF PNISI 17 236 51.
- 2131** 1, 15, 60, 450, 4500, 55125, 793800, 13097700
EXPANSION OF AN INTEGRAL. REF CO1 1 176.
- 2132** 1, 15, 70, 630, 5544, 55650, 611820, 7342335, 95449640, 1336295961, 20044438050, 320711010620, 5452087178160, 98137569209940, 1864613814984984
RENCONTRES NUMBERS. REF R1 65.
- 2133** 1, 15, 72, 609, 4960, 46188, 471660, 5275941, 64146768, 842803767, 11902900380, 179857257960, 2895705788736, 49491631601635, 895010868095256
DISCORDANT PERMUTATIONS. REF SMA 20 23 54.
- 2134** 1, 15, 73, 143, 208, 244, 265, 273, 282, 490, 838, 1426, 2367, 3908, 6356, 10246, 16327, 25812, 40379, 62748, 96660, 147833, 2, 24446, 338584, 507293, 755612
A GENERALIZED PARTITION FUNCTION. REF PNISI 17 235 51.
- 2135** 1, 15, 76, 275, 720, 1666, 3440, 6129, 11250, 17545, 28896, 41405, 65072, 85950, 128960, 162996, 238545, 286995, 404600, 482160, 662112, 756470, 1042560
RELATED TO THE DIVISOR FUNCTION. REF SMA 19 39 53.

- 2136** 1, 15, 90, 350, 1050, 2646, 5880, 11880, 22275, 39325, 66066, 106470, 165620, 249800, 367200, 527136, 741285, 1023435, 1389850, 1859550, 2454606, 3200450
STIRLING NUMBERS OF SECOND KIND. REF AS1 835. DKB 223.
- 2137** 1, 15, 99, 429, 1430, 3978, 9690, 21318, 43263, 82225, 148005, 254475, 420732, 672452, 1043460, 1577532, 2330445, 3372291, 4790071, 6690585, 9203634
FERMAT COEFFICIENTS. REF MMAG 27 141 54.
- 2138** 1, 15, 105, 490, 1918, 6825, 22935, 74316, 235092, 731731, 2252341, 6879678, 20900922, 63259533
ASSOCIATED STIRLING NUMBERS. REF R1 76. DB1 296. CO1 2 58.
- 2139** 1, 15, 113, 575, 2241, 7183, 19825, 48639, 108545, 224143, 433905, 795455, 1392065, 2340495, 3800305, 5984767, 9173505, 13726991, 20103025, 28875327
A SQUARE RECURRENCE. REF SIAMR 12 277 70.
- 2140** 1, 15, 140, 1050, 6930, 42042, 240240
PRODUCT OF BINOMIAL COEFFICIENTS. REF J02 449.
- 2141** 1, 15, 140, 1050, 6951, 42525, 246730, 1379400, 7508501, 40075035, 210768920, 1096190550, 5652751651, 28958095545, 147589284710, 749206090500
STIRLING NUMBERS OF SECOND KIND. REF AS1 835. DKB 223.
- 2142** 1, 15, 175, 1960, 22449, 269325, 3416930, 45995730, 657206636, 9957703756, 159721605680, 2706813345600, 48366009233424, 909299905844112
STIRLING NUMBERS OF FIRST KIND. REF AS1 833. DKB 225.
- 2143** 1, 15, 179, 2070, 24574, 305956, 4028156, 56231712, 832391136, 13051234944, 216374987520, 3785626465920, 69751622298240, 1350747863435520
GENERALIZED STIRLING NUMBERS. REF PEF 77 44 62.
- 2144** 1, 15, 200, 2672, 37600, 554880, 8514560, 134864640
ALMOST CUBIC MAPS. REF PL2 1 292 70.
- 2145** 1, 15, 210, 2380, 26432, 303660, 3678840, 47324376, 647536032, 9418945536, 145410580224, 2377609752960, 41082721413120, 748459539843840
ASSOCIATED STIRLING NUMBERS. REF R1 75. CO1 2 96.
- 2146** 1, 15, 210, 3150, 51975, 945945, 18918900
VALUES OF BESSEL POLYNOMIALS. REF RCI 77. R11.
- 2147** 1, 15, 225, 3375, 50625, 759375, 11390625, 170859375, 2562890625, 38443359375, 576650390625, 8649755859375, 129746337890625, 19461950668359375
POWERS OF FIFTEEN. REF BA1.
- 2148** 1, 15, 528, 3990, 232305, 4262895, 128928632, 1420184304, 186936865290
COEFFICIENTS FOR STEP-BY-STEP INTEGRATION. REF JACM 11 231 64.
- 2149** 1, 15, 575, 46760, 6998824, 1744835904, 673781602752, 381495483224064, 303443622431870976
DIFFERENCES OF RECIPROALS OF UNITY. REF DKB 228.
- 2150** 1, 16, 0, 256, 1054, 0, 0, 4096, 6561, 16864, 0, 0, 478, 0, 0, 65536, 63358, 104976, 0, 269824, 0, 0, 0, 720291, 7648, 0, 0, 1407838, 0, 0, 1048576, 0, 1013728, 0
RELATED TO REPRESENTATION AS SUMS OF SQUARES. REF QJM 38 304 07.

- 2151** 1, 16, 18, 0, 252, 576, 519, 3264, 12468, 20568, 26662, 215568, 528576, 164616, 3014889, 10894920
SUSCEPTIBILITY FOR CUBIC LATTICE. REF JCP 38 811 63.
- 2152** 1, 16, 25, 33, 49, 52, 64, 73, 100, 121, 148, 169, 177
SUMS OF SQUARES. REF MMAG 40 198 67.
- 2153** 1, 16, 80, 1056, 320416
SWITCHING NETWORKS. REF JFI 276 317 63.
- 2154** 1, 16, 81, 256, 625, 1296, 2401, 4096, 6561, 10000, 14641, 20736, 28561, 38416, 50825, 65536, 83521, 104976, 130321, 160000, 194481, 234256, 279841, 331776
FOURTH POWERS. REF BA1.
- 2155** 1, 16, 104, 320, 260, 1248, 3712, 1664, 6890, 7280, 5568, 4160, 33176, 4640, 74240, 29824, 14035, 54288, 27040, 142720, 1508, 110240, 289536, 222720, 380770
COEFFICIENTS OF A MODULAR FORM. REF KNAW 59 207 56.
- 2156** 1, 16, 125, 680, 3135, 13155, 51873, 195821
PARTIALLY LABELED TREES. REF R1 138.
- 2157** 1, 16, 144, 984, 5756, 30760, 155912, 766424
WALKS ON A CUBIC LATTICE. REF PCPS 58 99 62.
- 2158** 1, 16, 150, 926, 4788, 22548, 100530, 433162, 1825296, 7577120, 31130190, 126969558
PERMUTATIONS BY LENGTH OF RUNS. REF DKB 260.
- 2159** 1, 16, 160, 13056, 183305216
SWITCHING NETWORKS. REF JFI 276 317 63.
- 2160** 1, 16, 177, 5548, 39615, 2236440, 40325915, 1207505768, 13229393814, 1737076976040
COEFFICIENTS FOR STEP-BY-STEP INTEGRATION. REF JACM 11 231 64.
- 2161** 1, 16, 181, 1821, 17557, 167449, 1604098, 15555398, 153315999, 1538907304, 15743413076, 164161815768, 1744049683213, 18865209953045
PERMUTATIONS BY SUBSEQUENCES. REF MTAC 22 390 68.
- 2162** 1, 16, 192, 2016, 20160, 197940, 1930944
WALKS ON A CUBIC LATTICE. REF PCPS 58 100 62.
- 2163** 1, 16, 200, 2400, 29400, 376320, 5080320, 72576000, 1097712000, 17563392000
COEFFICIENTS OF LAGUERRE POLYNOMIALS. REF LA4 519. AS1 799.
- 2164** 1, 16, 256, 4096, 65536, 1048576, 16777216, 268435456, 4294967296, 68719476736, 1099511627776, 17592186044416, 281474976710656
POWERS OF SIXTEEN. REF BA1.
- 2165** 1, 16, 272, 2880, 24576, 185856, 1304832, 8728576, 56520704, 357888000, 2230947840, 13754155008
PERMUTATIONS BY LENGTH OF RUNS. REF DKB 261.
- 2166** 1, 16, 272, 3968, 56320, 814080, 12207360
GENERALIZED TANGENT NUMBERS. REF TOH 42 152 36.
- 2167** 1, 16, 361, 3362, 16384, 55744, 152166, 355688, 739328, 1415232, 2529614
GENERALIZED TANGENT NUMBERS. REF MTAC 21 690 67.

- 2168 1, 16, 435, 7136, 99350
CARD MATCHING. REF R1 193.
- 2169 1, 16, 1280, 249856
GENERALIZED EULER NUMBERS. REF MTAC 21 689 67.
- 2170 1, 16, 19683, 4294967296, 298023223876953125,
10314424798490535546171949056, 256923577521058878088611477224235621321607
N+(N+2). REF ELM 3 20 48.
- 2171 1, 16, 7625597484987 (THE NEXT TERM HAS 155 DIGITS)
N+(N+N). REF ELM 3 20 48.
- 2172 1, 17, 27, 33, 52, 73, 82, 83, 103, 107, 137, 153, 162, 217, 219, 227, 237, 247, 258,
268, 271, 282, 283, 302, 303, 313, 358, 383, 432, 437, 443, 447, 502, 548, 557, 558, 647
NOT THE SUM OF 4 TETRAHEDRALS. REF MTAC 12 142 58.
- 2173 1, 17, 31, 1, 5461, 257, 73, 1271, 60787, 241, 22369621, 617093
COEFFICIENTS FOR CENTRAL DIFFERENCES. REF JM2 42 162 63.
- 2174 1, 17, 31, 691, 5461, 929569, 3202291, 221930581, 4722116521, 966383680827,
14717667114151, 2093660879252671, 86125672563301143
RELATED TO GENOCCHI NUMBERS. REF AMP 26 5 1856. QJM 46 38 14. FMR 1 73.
- 2175 1, 17, 73, 241, 1009, 2641, 8089, 18001, 53881, 87481, 117049, 515761, 1083289,
3206641, 3818929, 9257329, 22000801, 48473881, 175244281, 427733329
PSEUDO-SQUARES. REF MTAC 8 241 54, 24 434 70.
- 2176 1, 17, 73, 241, 1009, 2689, 8089, 33049, 53881, 87481, 483289, 515761, 1083289,
3818929, 9257329, 22000801, 48473881, 175244281, 427733329, 998716289
PRIMES WITH LARGE LEAST NONRESIDUES. REF RS5 XV.
- 2177 1, 17, 82, 273, 626, 1394, 2402, 4369, 6643, 10642, 14642, 22386, 28562, 40834,
51332, 69905, 83522, 112931, 130322, 170898, 196984, 248914, 279842, 358258
SUM OF 4TH POWERS OF DIVISORS OF N. REF AS1 827.
- 2178 1, 17, 97, 257, 337, 641, 881, 1297, 2417, 2657, 3697, 4177, 4721, 6577, 10657,
12401, 14657, 14897, 15937, 16561, 28817, 38561, 39041, 49297, 54721, 65537, 65617
QUARTAN PRIMES. REF CUI 1 253.
- 2179 1, 17, 98, 354, 979, 2275, 4676, 8772, 15333, 25333, 39974, 60710, 89271,
127687, 178312, 243848, 327369, 432345, 562666, 722666, 917147, 1151403, 1431244
SUMS OF FOURTH POWERS. REF AS1 813.
- 2180 1, 17, 257, 241, 65537, 61681, 673, 15790321, 6700417, 38737, 4278255361,
2931542417, 22253377, 308761441, 54410972897, 4552284561, 67280421310721
LARGEST FACTOR OF 16**N + 1. REF KR1 2 88.
- 2181 1, 17, 259, 2770, 27978, 294602, 3331790, 40682144, 535206440, 7557750635,
114101726625, 1834757172082
PERMUTATIONS BY NUMBER OF PAIRS. REF DKB 264.
- 2182 1, 17, 289, 4913, 83521, 1419857, 24137569, 410338673, 6975757441,
118587876497, 2015993900449, 34271896307633, 582622237229761
POWERS OF SEVENTEEN. REF BA1.

- 2183 1, 17, 367, 27859, 1295803, 5329242827, 25198857127, 11959712166949,
11153239773419941, 31326450596954510807
COEFFICIENTS FOR NUMERICAL INTEGRATION. REF OP1 545. PHM 36 217 45.
- 2184 1, 17, 1835, 195013, 3887409, 58621671097
FROM HIGHER ORDER BERNOULLI NUMBERS. REF NO1 463.
- 2185 1, 18, 23, 28, 32, 35, 39, 42, 46, 49, 52, 55, 58, 60, 63, 66, 68, 71, 74, 76, 79, 81,
84, 86, 88, 91, 93, 95, 98, 100, 102, 104, 107, 109, 111, 113, 115, 118, 120, 122, 124, 12
THE GRAM POINTS. REF RS7 58.
- 2186 1, 18, 45, 69, 96, 120, 147, 171
RATIONAL POINTS IN A QUADRILATERAL. REF JRAM 227 49 67.
- 2187 1, 18, 108, 180, 5040, 162000, 14565600, 563253408, 17544639744,
750651187968
SPECIFIC HEAT FOR CUBIC LATTICE. REF PRV 164 801 67.
- 2188 1, 18, 126, 420, 630, 252, 84, 72, 90, 140, 252, 504, 1092, 2520, 6120, 15504,
40698, 110124
BINOMIAL COEFFICIENTS. REF TH1 164. FMR 1 55.
- 2189 1, 18, 160, 1120, 6912, 39424, 212992, 1105920, 5570560, 27394048, 132120576
COEFFICIENTS OF CHEBYSHEV POLYNOMIALS. REF LA4 516.
- 2190 1, 18, 245, 3135, 40369, 537628, 7494416, 109911300, 1698920916,
27679825272, 474957547272, 8572072384512, 162478082312064, 3229079010579072
GENERALIZED STIRLING NUMBERS. REF PEF 77 26 62.
- 2191 1, 18, 251, 3325, 44524, 617624, 8969148, 136954044, 2201931576,
37272482280, 663644774880, 12413008539360, 243533741849280, 500375399117472
GENERALIZED STIRLING NUMBERS. REF PEF 77 61 62.
- 2192 1, 18, 324, 5832, 104976, 1889568, 34012224, 612220032, 11019960576,
198359290368, 3570467226624, 64268410079232, 11568831381426176
POWERS OF EIGHTEEN. REF BA1.
- 2193 1, 18, 2862, 158942078604
POST FUNCTIONS. REF JCT 4 297 68.
- 2194 1, 19, 3, 863, 275, 33953, 8183, 3250433, 4671, 13695779093, 2224234463,
132282840127, 2639651053, 111956703448001, 50188465, 2334028946344463
NUMERATORS OF LOGARITHMIC NUMBERS. REF JM2 22 49 43. PHM 38 336 47. MTAC 20 46
66.
- 2195 1, 19, 43, 67, 163, 77683, 1333963, 2404147, 20950603, 36254563, 51599563,
96295483, 114148483, 269497867, 585811843, 52947440683, 71837718283
SEQUENCE OF PRESCRIBED QUADRATIC CHARACTER. REF MTAC 24 440 70.
- 2196 1, 19, 145, 100, 2191, 8592, 14516, 29080, 114575, 320417, 615566, 1125492,
2139700, 3664750, 5997448, 10103304, 15992719, 23857290, 36058435, 53341900
RELATED TO REPRESENTATION AS SUMS OF SQUARES. REF QJM 38 349 07.
- 2197 1, 19, 205, 1795, 14221, 106819
CONNECTED RELATIONS. REF CR 268 579 69.

2198 1, 19, 361, 6859, 130321, 2476099, 47045881, 893871739, 16983563041, 32268769779, 6131066257801, 11549025898219, 2213314919066161
POWERS OF NINETEEN. REF BA1.

2199 1, 19, 1513, 315623, 136085041, 105261234643, 132705221399353, 254604707462013571, 705927677520644167681, 2716778010767155313771539
GENERALIZED EULER NUMBERS. REF AMM 36 649 35.

2200 1, 19, 4315, 237671, 9751299, 150653570023
FROM HIGHER ORDER BERNOULLI NUMBERS. REF NO1 461.

SEQUENCES BEGINNING 1, 20 THROUGH 1, 49

2201 1, 20, 74, 24, 157, 124, 478, 1480, 1198, 3044, 480, 184, 2351, 1720, 3282, 5728, 2480, 1776, 10326, 9560, 8866, 9188, 11618, 23664, 16231, 23960

RELATED TO REPRESENTATION AS SUMS OF SQUARES. REF QJM 38 56 07.

2202 1, 20, 74, 186, 388, 721, 1236, 1995, 3072, 4554, 6542, 9152, 12516, 16783,

22120, 28713, 36768, 46512, 58194, 72086, 88484, 107709, 130108, 156055, 185952
POWERS OF ROOTED TREE ENUMERATOR. REF R1 150.

2203 1, 20, 80, 144, 610, 448, 1120, 2240, 3423, 12200, 14800, 29440, 5470, 6272, 48800, 81664, 73090, 68460, 15600, 87840, 139776, 82880, 189920, 474112, 18525
RELATED TO REPRESENTATION AS SUMS OF SQUARES. REF QJM 38 311 07.

2204 1, 20, 154, 1676, 14292, 155690, 1731708, 21264624, 280260864, 3970116255, 60113625680, 969368687752, 16588175089420, 300272980075896
DISCORDANT PERMUTATIONS. REF SMA 20 23 54.

2205 1, 20, 220, 23932, 2390065448
SWITCHING NETWORKS. REF JFI 276 317 63.

2206 1, 20, 295, 4025, 54649, 761166, 11028590, 167310220, 2664929476, 44601786944, 784146622896, 14469012689040, 279870212258064, 5667093514231200
GENERALIZED STIRLING NUMBERS. REF PEF 77 7 62.

2207 1, 20, 300, 4200, 58800, 846720, 12700800, 199584000, 3293136000, 57081024000, 1038874636800, 19833061248000, 3966661224960000
LAH NUMBERS. REF R1 44, CO1 1 166.

2208 1, 20, 371, 2588, 11097, 35645, 94457, 218124, 454220, 872648, 1571715, 2684936, 4388567, 6909867, 10536089, 15624200, 22611330, 32025950, 44499779
DISCORDANT PERMUTATIONS. REF SMA 20 23 54.

2209 1, 20, 484, 497760, 1957701217328
SWITCHING NETWORKS. REF JFI 276 317 63.

2210 1, 20, 784, 52480, 5395456, 791691264, 157294854144, 40683662475264, 13288046674471936

CENTRAL FACTORIAL NUMBERS. REF OP1 7, FMR 1 110, RCI 217.

2211 1, 20, 1120, 3200, 3942400, 66560000, 10035200000
ASYMPTOTIC EXPANSION OF AN INTEGRAL. REF MTAC 19 114 65.

2212 1, 21, 31, 6257, 10293, 279025, 483127, 435506703, 776957575, 22417045555, 40784671953
COEFFICIENTS OF JACOBI NOME. REF HE1 477, MTAC 3 234 48.

2213 1, 21, 42, 65, 86, 109, 130, 151, 174, 195, 218, 239, 262, 283, 304, 327, 348, 371, 392, 415, 436, 457, 480, 501, 524, 545, 568, 589, 610, 633, 654, 677, 698, 721, 742, 763
RELATED TO POWERS OF 3. REF AMM 64 367 57.

2214 1, 21, 60, 90, 182, 378, 861, 1737, 3458, 6717, 13377, 25877, 49949, 95085, 180254, 338003, 631124, 1168226, 2151409, 3934674, 7159108, 12948649, 23307439
SOLID PARTITIONS. REF PN1 26 135 60.

2215 1, 21, 266, 2646, 22827, 179487, 1323652, 9321312, 63436373, 420693273, 2734926558, 17505749898, 110687251039, 693081601779, 4306078895384
STIRLING NUMBERS OF SECOND KIND. REF AS1 835, DKB 223.

2216 1, 21, 322, 4536, 63273, 902055, 13339535, 206070150, 3336118786, 56663366760, 1009672107080, 18861567058880, 369012649234384
STIRLING NUMBERS OF FIRST KIND. REF AS1 833, DKB 225.

2217 1, 21, 378, 6930, 135135, 2837835
VALUES OF BESSEL POLYNOMIALS. REF RCI 77, RI1.

2218 1, 21, 21000, 101, 121, 1101, 1121, 21121, 101101, 101121, 121121, 1101121, 1121121, 21121121, 101101121, 101121121, 121121121, 1101121121, 1121121121
SMALLEST NUMBER REQUIRING N WORDS IN ENGLISH.

2219 1, 22, 67, 181, 401, 831, 1576, 2876, 4987, 8406, 13715, 21893, 34134, 52327, 78785, 116982, 171259, 247826, 354482, 502090, 704265, 979528, 1351109, 1849932
BIPARTITE PARTITIONS. REF NI1 1.

2220 1, 22, 79, 107, 311, 432, 487, 665, 692, 1044, 1536, 13909, 15204, 29351, 44332, 66287, 70877

CLASS NUMBERS OF QUADRATIC FIELDS. REF MTAC 24 441 70.

2221 1, 22, 328, 4400, 58140, 785256

FROM SUMS OF PRODUCTS OF POWERS. REF NMT 7 16 59.

2222 1, 22, 355, 5265, 77224, 1155420, 17893196, 288843260, 4876196776, 86194186584, 1595481972864, 30908820004608, 626110382381184
GENERALIZED STIRLING NUMBERS. REF PEF 77 44 62.

2223 1, 23, 11, 563, 1627, 88069, 1423, 1593269, 7759469, 31730711, 46522243
COEFFICIENTS FOR NUMERICAL DIFFERENTIATION. REF PHM 33 13 42.

2224 1, 23, 47, 73, 97, 103, 157, 167, 193, 263, 277, 307, 383, 397, 433, 503, 577, 647, 673, 683, 727, 743, 863, 887, 937, 967, 983, 1033, 1093, 1103, 1153, 1163, 1223, 1367
PRIMES WITH 5 AS SMALLEST PRIMITIVE ROOT. REF KRI 1 57, AS1 864.

2225 1, 23, 65, 261, 1370, 8742, 65304, 557400, 5343120
BINOMIAL COEFFICIENT SUMS. REF CJM 22 26 70.

2226 1, 23, 71, 311, 479, 1559, 5711, 10559, 18191, 31391, 307271, 366791, 2155919, 607711, 98538359, 120293879, 131486759, 508095719, 2570169839
NEGATIVE PSEUDO-SQUARES. REF MTAC 24 436 70.

- 2227 1, 23, 263, 133787, 157009, 16215071, 2689453969, 26893118531, 5600751928169
 COEFFICIENTS FOR REPEATED INTEGRATION. REF JMJ 28 56 49.
- 2228 1, 23, 1681, 257543, 67637281
 GLAISHERS T NUMBERS. REF QJM 29 76 1897. FMR 1 76.
- 2229 1, 24, 12, 640, 1920, 107520, 1792, 2064384, 10321920, 43253760, 64880640
 COEFFICIENTS FOR NUMERICAL DIFFERENTIATION. REF PHM 33 13 42.
- 2230 1, 24, 26, 0, 0, 72, 378, 1080, 665, 384, 1968, 2016, 25698, 39552, 3872, 20880, 65727, 379856, 1277646
 SUSCEPTIBILITY FOR CUBIC LATTICE. REF JCP 38 811 63.
- 2231 1, 24, 44, 80, 144, 260, 476, 872, 1600, 2940, 5404, 9936, 18272, 33604, 61804, 113672, 209072, 384540, 707276, 1300880, 2392688, 4400836, 8094396, 14887912
 RESTRICTED PERMUTATIONS. REF CMB 4 32 61.
- 2232 1, 24, 44, 80, 144, 264, 484, 888, 1632, 3000, 5516, 10144, 18656, 34312, 63108, 116072, 213488, 392664, 722220, 1328368, 2443248, 4493832, 8285444
 PERMANENTS OF CYCLIC (0, 1) MATRICES. REF CMB 7 262 64. JCT 7 315 69.
- 2233 1, 24, 144, 984, 7584, 65304, 622704, 6523224
 BINOMIAL COEFFICIENT SUMS. REF CJM 22 26 70.
- 2234 1, 24, 154, 580, 1665, 4025, 8624, 16884, 30810, 53130, 87450, 138424, 211939, 315315, 457520, 649400, 903924, 1236444, 1664970, 2210460, 2897125, 3752749
 GENERALIZED STIRLING NUMBERS. REF PEF 77 7 62.
- 2235 1, 24, 240, 1560, 6400, 40824, 186480, 818520, 3498000, 14676024, 60780720, 249401860, 1016542800, 4123173624, 16664094960, 67171367640
 DIFFERENCES OF ZERO. REF V01 31. DA2 2 212. R1 33.
- 2236 1, 24, 240, 2520, 26880, 304080, 3671136
 3-LINE LATIN RECTANGLES. REF R1 210.
- 2237 1, 24, 252, 1472, 4830, 6048, 16744, 84480, 113643, 115920, 534612, 370944, 577738, 401856, 1217160, 987136, 6905934, 2727432, 10661420, 7109760, 4219488
 RAMANUJAN TAU FUNCTION. REF PLMS 51 4 50. MTAC 24 495 70.
- 2238 1, 24, 264, 3312, 48240, 762096, 12673920
 WALKS ON A CUBIC LATTICE. REF JCP 34 1537 61.
- 2239 1, 24, 274, 1624, 6769, 22449, 63273, 157773, 357423, 749463, 1474473, 2749747, 4899622, 8394022, 13896582, 22323822, 34916946, 53327946, 79721796
 STIRLING NUMBERS OF FIRST KIND. REF AS1 833. DKB 226.
- 2240 1, 24, 282, 2008, 10147, 40176, 132724, 381424, 981541, 2309364, 5045326, 10356424
 STOCHASTIC MATRICES OF INTEGERS. REF ST2. CJ1 13 283 70.
- 2241 1, 24, 300, 3360, 38850, 475776, 6231960, 87530400
 LABELED TREES OF HEIGHT 3. REF IBMJ 4 478 60.
- 2242 1, 24, 600, 10800, 176400, 2822400, 45722880, 762048000, 13172544000, 237105792000
 COEFFICIENTS OF LAGUERRE POLYNOMIALS. REF AS1 799.

- 2243 1, 24, 640, 7168, 294912, 2883584, 54525952, 167772160, 36507222016, 326417514496
 COEFFICIENTS FOR NUMERICAL DIFFERENTIATION. REF OP1 23. PHM 33 14 42.
- 2244 1, 24, 924, 26432, 705320, 1885840, 520059540, 14980405440, 453247114320, 14433720701400, 483908513388300, 17068210823664000, 632607429473019000
 ASSOCIATED STIRLING NUMBERS. REF TOH 37 259 33. JO2 152. C01 2 98.
- 2245 1, 24, 936, 56640, 4968000, 598328640, 94916183040, 19200422062080, 4826695329792000, 1476585999504000000, 540272647694971699200
 CONNECTED GRAPHS BY POINTS AND LINES. REF AMS 30 748 59.
- 2246 1, 24, 1920, 322560, 92897280, 40874803200, 25505877196800, 21424936845312000, 23310331287689456000, 31888533201572855808000
 COEFFICIENTS FOR CENTRAL DIFFERENCES. REF JMJ 42 162 63.
- 2247 1, 24, 2040, 297200, 68938800, 24046189440, 12025780892160, 8302816499443200, 767368877463632000, 9254768770160124288000
 STOCHASTIC MATRICES OF INTEGERS. REF ST2.
- 2248 1, 24, 3852, 18534400
 PERMANENTS OF PROJECTIVE PLANES. REF RYS 124.
- 2249 1, 24, 5760, 322560, 511609600, 13624934400, 19837804486400, 2116043145216
 20720294477955072, 15747423803245854720
 COEFFICIENTS FOR NUMERICAL DIFFERENTIAL. REF OP1 23. PHM 33 14 42.
- 2250 1, 24, 5760, 967680, 4644486400, 122624409600, 26781171055664000, 64274810535936000, 149852129706639360000, 669659197233023971968000
 COEFFICIENTS FOR NUMERICAL INTEGRATION. REF PHM 36 217 45.
- 2251 1, 25, 421, 6105, 83029, 1100902, 14516426, 192422979, 2579725656, 35098717902, 485534447114, 6835409506841, 97966603326993, 1429401763567226
 PERMUTATIONS BY SUBSEQUENCES. REF MTAC 22 390 68.
- 2252 1, 25, 445, 7140, 111769, 1767087, 28699460, 483004280, 8460980836, 154594537812, 2948470152264, 58696064973000, 1219007251826064
 GENERALIZED STIRLING NUMBERS. REF PEF 77 26 62.
- 2253 1, 25, 450, 7350, 117600, 1905120, 31752000, 548856000, 9879408000
 COEFFICIENTS OF LAGUERRE POLYNOMIALS. REF LA4 519. AS1 799.
- 2254 1, 25, 490, 9450, 190575, 4099095, 94594500, 2343240900
 ASSOCIATED STIRLING NUMBERS. REF AJM 56 92 34. DB1 296.
- 2255 1, 26, 302, 2416, 15619, 88234, 455192, 2203488, 10187685, 45533450, 196410786, 848090912, 3572085255
 EULERIAN NUMBERS. REF R1 215. DB1 151. JCT 1 351 66. DKB 260. C01 2 84.
- 2256 1, 26, 485, 8175, 134449, 2231012, 37972304, 668566300, 12230426076, 232959299496, 4623952866312, 95644160132976, 2060772784375824
 GENERALIZED STIRLING NUMBERS. REF PEF 77 61 62.
- 2257 1, 27, 184, 875, 2700, 7546, 17600, 35721, 72750, 126445, 223776, 353717, 595448, 843750, 1349120, 1827636, 2808637, 3600975, 5306000, 6667920, 9599172
 RELATED TO THE DIVISOR FUNCTION. REF SMA 19 39 53.

- 2258 1, 27, 378, 4536, 46600
CARD MATCHING. REF R1 193.
- 2259 1, 27, 511, 8624, 140889, 2310945, 38759930, 671189310, 12061579816,
225525484184, 4392554369840, 89142436976320, 1884434077831824
GENERALIZED STIRLING NUMBERS. REF PEF 77 7 62.
- 2260 1, 27, 10206, 1271126683458
POST FUNCTIONS. REF JCT 4 295 68.
- 2261 1, 28, 2, 8, 6, 992, 1, 3, 2, 16256, 2, 16, 16
DIFFERENTIAL STRUCTURES (ASSUMING POINCARE CONJECTURE). REF ICM 50 62. ANN 77
504 63.
- 2262 1, 28, 153, 496, 1225, 2556, 4753, 8128, 13041, 19900, 29161, 41328, 56953,
76636, 101025, 130816, 166753, 209628, 260281, 319600, 388521, 468028, 559153
SUMS OF CUBES OF ODD NUMBERS. REF CC1 742.
- 2263 1, 28, 462, 5880, 63987, 627396, 5715424, 49329280, 408741333, 3281882604,
25708104786, 197462483400, 1492924634839, 11143554045652
STIRLING NUMBERS OF SECOND KIND. REF AS1 835. DKB 223.
- 2264 1, 28, 546, 9450, 157773, 2637558, 44990231, 790943153, 14409322928,
272803210680, 5374523477960, 110228466184200, 2953125040549984
STIRLING NUMBERS OF FIRST KIND. REF AS1 834. DKB 226.
- 2265 1, 30, 97, 267, 608, 1279, 2472, 4571, 8043, 13715, 22652, 36535, 57568, 89079,
135384, 202747, 299344, 436597, 629364, 897970, 1268634, 1776562, 2466961
BIPARTITE PARTITIONS. REF N11 2.
- 2266 1, 30, 625, 11515, 203889, 3602088, 64720340, 1194928020, 22800117076,
450996059800, 9262414989464, 197632289814960, 4381123888665424
GENERALIZED STIRLING NUMBERS. REF PEF 77 44 62.
- 2267 1, 30, 630, 11760, 211680, 3610240, 69854400, 1317254400, 25686460800,
519437318400, 10908183686400, 237996734976000, 5394592659456000
LAH NUMBERS. REF R1 44. CO1 1 166.
- 2268 1, 30, 840, 1197504000, 60281712691200
STEINER TRIPLE SYSTEMS. REF CO1 2 153.
- 2269 1, 30, 1023, 44473, 2475473, 173721912, 15068541896, 1593719752240,
201529405816616, 3009204928982400, 5242380158902146624
CENTRAL FACTORIAL NUMBERS. REF RCI 217.
- 2270 1, 30, 1260, 75600, 6237000, 681060400, 95351256000, 16672848192000,
3563821301040000, 914714133933600000, 277707211062240960000
RELATED TO EULER NUMBERS. REF QJM 47 110 16. FMR 1 112. DA2 2 283.
- 2271 1, 31, 223, 433, 439, 457, 727, 919, 1327, 1399, 1423, 1471, 1831, 1999, 2017,
2287, 2383, 2671, 2767, 2791, 2953, 3271, 3343, 3457, 3463, 3607, 3631, 3823, 3889
2 IS A 6-TH POWER RESIDUE MODULO P. REF KR1 1 59.
- 2272 1, 31, 301, 1701, 6951, 22827, 63987, 159027, 359502, 752752, 1479478,
2757118, 4910178, 8408778, 13916778, 22350954, 34952799, 53374629, 79781779
STIRLING NUMBERS OF SECOND KIND. REF AS1 835. DKB 223.

- 2273 1, 31, 304, 4230, 43880, 547338, 6924960, 94714620, 1375878816, 21273204330,
348919244768, 6056244249682, 110955673493568, 2140465858763844
DISCORDANT PERMUTATIONS. REF SMA 20 23 54.
- 2274 1, 31, 307, 643, 5113, 21787, 39199, 360007, 4775569, 10318249, 65139031
PRIMES WITH LARGE LEAST NONRESIDUES. REF RS5 XVI.
- 2275 1, 31, 696, 5823, 29380, 108933, 327840, 848380, 1958004, 4130895, 8107024,
14990889, 26372124, 44470165, 72305160, 113897310, 174496828, 260846703
DISCORDANT PERMUTATIONS. REF SMA 20 23 54.
- 2276 1, 31, 3661, 1217776, 929081776, 1413470290176, 3878864820694016,
17810567950611972096
DIFFERENCES OF RECIPROALS OF UNITY. REF DKB 228.
- 2277 1, 32, 243, 1024, 3125, 7776, 16807, 32768, 59049, 100000, 161051, 248832,
371293, 537824, 759375, 1048576, 1419857, 1889568, 2476099, 3200000, 4084101
FIFTH POWERS. REF BA1.
- 2278 1, 33, 79, 107, 311, 487, 665, 857, 2293, 3523, 13909, 26713, 29351, 59801,
66287, 70877
CLASS NUMBERS OF QUADRATIC FIELDS. REF MTAC 24 441 70.
- 2279 1, 33, 244, 1057, 3126, 8052, 16808, 33825, 59293, 103158, 161052, 257908,
371294, 554664, 762744, 1082401, 1419858, 1956669, 2476100, 3304182, 4101152
SUM OF 5TH POWERS OF DIVISORS OF N. REF AS1 827.
- 2280 1, 33, 276, 1300, 4425, 12201, 29008, 61776, 120825, 220825, 381876, 630708,
1002001, 1539825, 2299200, 3347776, 4767633, 6657201, 9133300, 12333300
SUMS OF FIFTH POWERS. REF AS1 813.
- 2281 1, 33, 524, 2322, 81912, 214181, 1182276, 3736614, 9972264, 24622002,
51265020, 106396576, 202547304, 357914103
RELATED TO REPRESENTATION AS SUMS OF SQUARES. REF QJM 38 305 07.
- 2282 1, 35, 835, 17360, 342769, 6687009, 131590430, 2642422750, 54509190076,
1159615530788, 25497032420496, 580087776122400, 13662528306823824
GENERALIZED STIRLING NUMBERS. REF PEF 77 61 62.
- 2283 1, 35, 966, 24970, 631631, 15857205, 397027996
CENTRAL FACTORIAL NUMBERS. REF TH1 36. FMR 1 112. RCI 217.
- 2284 1, 35, 1974, 172810, 21967231, 3841278905, 886165820604, 261042753755556,
9568443268795341, 42707926241367380631, 22821422608929422854674
CENTRAL FACTORIAL NUMBERS. REF RCI 217.
- 2285 1, 36, 330, 22060, 920737780
SWITCHING NETWORKS. REF JFI 276 317 63.
- 2286 1, 36, 666, 384112, 735192450952
SWITCHING NETWORKS. REF JFI 276 317 63.
- 2287 1, 36, 820, 7645, 44473, 191620, 669188, 1999370, 5293970, 127289936,
28286400, 58856655, 115842675, 217378200, 391367084, 679524340, 1142659012
CENTRAL FACTORIAL NUMBERS. REF RCI 217.

2288 1, 36, 841, 16465, 296326, 5122877, 87116283, 1477363967, 25191909848, 434119587475, 7583461369373, 134533482045389, 2426299018270338
PERMUTATIONS BY SUBSEQUENCES. REF MTAC 22 390 68.

2289 1, 36, 882, 18816, 381024, 7620480, 153679680, 3161410560
COEFFICIENTS OF LAGUERRE POLYNOMIALS. REF LA4 519. AS1 798.

2290 1, 36, 1072, 2100736, 17592201773056
SWITCHING NETWORKS. REF JFI 276 317 63.

2291 1, 36, 1225, 41616, 1413721, 48024900, 1631432881, 55420693056,
1882672131025, 63955431761796, 217260200770041, 73804512832419600

BOTH TRIANGULAR AND SQUARE. REF D12 2 10. MAG 47 237 63. BE3 193. FQ 9 95 71.

2292 1, 37, 59, 67, 101, 103, 131, 149, 157, 233, 257, 263, 271, 283, 293, 307, 311, 347,
353, 379, 389, 401, 409, 421, 433, 461, 463, 467, 491, 523, 541, 547, 557, 577, 587, 593
IRREGULAR PRIMES. REF PNAS 40 31 54. B01 430.

2293 1, 41, 109, 151, 229, 251, 271, 367, 733, 761, 971, 991, 1069, 1289, 1303, 1429,
1471, 1759, 1789, 1811, 1879, 2411, 2441, 2551, 2749, 2791, 3061, 3079, 3109, 3229
PRIMES WITH 6 AS SMALLEST PRIMITIVE ROOT. REF KR1 1 57. AS1 884.

2294 1, 41, 313, 353, 1201, 3593, 4481, 7321, 8521, 10601, 14281, 14321, 14593,
21601, 26513, 32633, 41761, 41801, 42073, 42961, 49081, 56041, 66361, 67073, 72481
HALF-QUARTAN PRIMES. REF CU1 1 254.

2295 1, 42, 139, 392, 907, 1941, 3804, 7128, 12693, 21893, 36535, 59521, 94664,
147794, 225524, 342006, 508866, 747753, 1085635, 1559725, 2218272, 3126541
BIPARTITE PARTITIONS. REF NI1 2.

2296 1, 42, 462, 2772, 12012, 42042, 126126
RELATED TO BINOMIAL MOMENTS. REF JO2 449.

2297 1, 42, 1176, 28224, 635040, 13970880, 307359360, 6849722880, 155831195520,
3636061228800, 87265469491200, 2157837063782400, 55024845126451200
LAH NUMBERS. REF R1 44. CO1 1 166.

2298 1, 42, 1586, 31388, 442610, 5030004, 49145460
ROOTED PLANAR MAPS. REF BAMS 74 74 68.

2299 1, 43, 109, 157, 229, 277, 283, 307, 499, 643, 691, 733, 739, 811, 997, 1021, 1051,
1069, 1093, 1459, 1579, 1597, 1627, 1699, 1723, 1789, 1933, 2179, 2203, 2251, 2341
2 IS A CUBIC RESIDUE MODULO P. REF KR1 1 59.

2300 1, 44, 432, 1136, 610, 5568, 6048, 11456, 3423, 26840, 79920, 768, 5470, 77952,
263520, 61696, 73090, 150612, 84240, 682960, 139776, 1030080, 1025568
RELATED TO REPRESENTATION AS SUMS OF SQUARES. REF QJM 38 329 07.

2301 1, 44, 4940800, 584083990621761115783168

DISCRIMINANTS OF SHAPIRO POLYNOMIALS. REF PAMS 25 115 70.

2302 1, 48, 264, 1680, 11640, 86352, 673104, 5424768, 44828400, 377810928,
3235366752, 28074857616, 246353214240

WALKS ON A CUBIC LATTICE. REF JCP 46 3481 67.

2303 1, 48, 1152, 30720, 1152000, 65630208
COLORED GRAPHS. REF CJM 12 412 60.

2304 1, 49, 1513, 38281, 874886, 18943343, 399080475, 8312317976, 172912977525
3615907795025, 76340522760097, 1631788075873114, 35378058306185002
PERMUTATIONS BY SUBSEQUENCES. REF MTAC 22 390 68.

SEQUENCES BEGINNING 1, 50, 1, 51, ...

2305 1, 50, 1660, 46760, 1217776, 30480800, 747497920, 18139003520, 4377867957
DIFFERENCES OF RECIPROALS OF UNITY. REF DKB 228.

2306 1, 52, 472, 3224, 18888, 101340, 511120, 2465904

SERIES-PARALLEL NUMBERS. REF R1 142.

2307 1, 55, 150, 210, 280, 580, 1275, 2905, 5350, 9985, 17965, 33665, 62895, 117287,
214610, 389805, 700720, 1259890, 2250405, 4008717, 7092366, 12497237
SOLID PARTITIONS. REF PNISI 26 135 60.

2308 1, 56, 1120, 18592, 300288, 4877824, 80349696, 1344154112
ALMOST CUBIC MAPS. REF PL2 1 292 70.

2309 1, 56, 1918, 56880, 1636635, 47507460, 1422280860
ASSOCIATED STIRLING NUMBERS. REF AJM 56 92 34. DB1 296.

2310 1, 57, 1191, 15619, 156190, 1310354, 9738114, 66318474, 423281535,
2571742175, 15041229521, 85383238549

EULERIAN NUMBERS. REF R1 215. DB1 151. JCT 1 351 66. DKB 260. CO1 2 84.

2311 1, 60, 168, 360, 504, 660, 1092, 2448, 2520, 3420, 4080, 5616, 6048, 6072, 7800,
7920, 9828, 12180, 14880, 20160, 25308, 25920, 29120, 32736, 34440, 39732, 51888
NON-CYCLIC SIMPLE GROUPS. REF DI1 309. JI2 137.

2312 1, 60, 720, 6090, 47040, 363384, 2913120

LABELLED TREES OF DIAMETER 4. REF IBMJ 4 478 60.

2313 1, 61, 841, 7311, 51663, 325446, 1910706, 10715506, 58258210, 309958755,
1623847695

PERMUTATIONS BY LENGTH OF RUNS. REF DKB 260.

2314 1, 61, 1385, 19028, 206276, 1949762, 16889786, 137963364, 1081702420,
8236142455, 61386982075

PERMUTATIONS BY LENGTH OF RUNS. REF DKB 260.

2315 1, 61, 2763, 38528, 249856, 1066590, 3487246, 9493504, 22634496, 48649086,
96448478

GENERALIZED CLASS NUMBERS. REF MTAC 21 689 67, 22 698 68.

2316 1, 63, 22631, 30480800, 117550462624, 1083688832185344,
21006340945438768128

DIFFERENCES OF RECIPROALS OF UNITY. REF DKB 228.

2317 1, 64, 625, 4016, 21256, 100407, 439646, 1823298
PARTIALLY LABELED ROOTED TREES. REF R1 134.

- 2318 1, 64, 729, 4096, 15625, 117649, 262144, 531441, 1000000, 1771561, 2985984, 4826809, 7529536, 11930625, 16777216, 24137569, 34012224, 47045881
SIXTH POWERS. REF BAI.
- 2319 1, 64, 960, 135040, 14333211520
SWITCHING NETWORKS. REF JFI 276 317 63.
- 2320 1, 64, 1024, 12480, 137472, 1443616
WALKS ON A CUBIC LATTICE. REF PCPS 58 100 62.
- 2321 1, 64, 2304, 2928640, 11745443774464
SWITCHING NETWORKS. REF JFI 276 317 63.
- 2322 1, 65, 794, 4890, 20515, 67171, 184820, 446964, 978405, 1978405, 3749966,
6735950, 11562759, 19092295, 30482920, 47260136, 71397705, 105409929, 152455810
SUMS OF SIXTH POWERS. REF AS1 813.
- 2323 1, 65, 1795, 36317, 636331
CONNECTED RELATIONS. REF CR 268 579 69.
- 2324 1, 70, 19355, 11180820, 11555272575
CUBIC GRAPHS. REF RE4.
- 2325 1, 71, 239, 241, 359, 431, 499, 599, 601, 919, 997, 1051, 1181, 1249, 1439, 1609,
1753, 2039, 2089, 2111, 2179, 2251, 2281, 2341, 2591, 2593, 2671, 2711, 2879, 3119
PRIMES WITH 7 AS SMALLEST PRIMITIVE ROOT. REF KR1 1 58. AS1 864.
- 2326 1, 73, 241, 1009, 2641, 8089, 18001, 53881, 87481, 117049, 515761, 1063289,
3206641, 3819929, 9257329, 22000801, 48473881, 175244281, 427733329, 898716289
PSEUDO-SQUARES. REF MTAC 24 434 70.
- 2327 1, 82, 707, 3108, 9669, 24310, 52871, 103496, 187017, 317338, 511819, 791660,
1182285, 1713726, 2421007, 3344528, 4530449, 6031074, 7905235, 10218676
SUMS OF FOURTH POWERS OF ODD NUMBERS. REF AMS 2 358 31 (DIVIDED BY 2). CC1 742.
- 2328 1, 88, 326, 1631, 10112, 74046, 622704, 5900520
BINOMIAL COEFFICIENT SUMS. REF CJM 22 26 70.
- 2329 1, 90, 1260, 13230, 126720, 1171170, 10663380, 96461910, 870123240,
7898973450, 70582218300, 635365793790, 5718795460560, 51471172410930
RELATED TO EULER NUMBERS. REF QJM 47 110 16. FMR 1 112. DA2 2 283.
- 2330 1, 96, 1776, 43776, 1237920
WALKS ON A CUBIC LATTICE. REF PRV 114 53 59.
- 2331 1, 97, 139, 151, 199, 211, 331, 433
RELATED TO KUMMERS CONJECTURE. REF HA3 482.
- 2332 1, 113, 281, 353, 577, 593, 617, 1033, 1049, 1097, 1153, 1193, 1201, 1481, 1601,
1889, 2129, 2273, 2393, 2473, 3049, 3089, 3137, 3217, 3313, 3529, 3673, 3833, 4001
2 IS A QUARTIC RESIDUE MODULO P. REF KR1 1 59.
- 2333 1, 120, 265, 579, 1265, 2783, 6208, 13909, 31337, 70985, 161545, 369024,
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- 2334 1, 120, 1800, 16800, 126000, 834120, 5103000, 29607600, 165528000,
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- 2335 1, 120, 2520, 43680, 757680, 13747104, 264181680
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- 2336 1, 120, 4293, 88234, 1310354, 15724248, 162512286, 1505621508, 12843262866,
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- 2337 1, 120, 4320, 105840, 2257920, 45722880, 914457600, 18441561600,
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- 2338 1, 120, 7308, 303660, 11098780, 389449060, 13642629000, 485591585480,
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- 2339 1, 121, 12321, 1234321, 123454321, 12345654321, 1234567654321,
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- 2340 1, 125, 1296, 8716, 47787, 232154, 1040014
PARTIALLY LABELED TREES. REF R1 138.
- 2341 1, 128, 2187, 16384, 78125, 279936, 823543, 2097152, 4782969, 10000000,
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- 2342 1, 128, 12758, 5134240
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- 2343 1, 129, 2316, 18700, 96825, 376761, 1200304, 3297456, 8080425, 19080425,
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- 2344 1, 130, 1270932917454
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- 2345 1, 132, 1716, 12012, 60060, 240240
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- 2347 1, 139, 571, 163879, 5246819, 534703531, 4483131259, 432261921612371,
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EXPANSION OF GAMMA FUNCTION. REF MTAC 22 619 68.
- 2348 1, 151, 431, 6581, 67651, 241981, 2081921, 3395921
PRIMES WITH LARGE LEAST NONRESIDUES. REF RS5 XXIII.
- 2349 1, 157, 262, 367, 412, 577, 682, 787, 877, 892, 907, 997, 1072, 1207, 1237, 1312,
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- 2350 1, 163, 907, 2663, 5923, 10627, 15667, 20563, 34463, 37123, 38707, 61483, 90787, 93307, 103387, 166147, 133387, 222643, 210907, 156923, 253507, 296567
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- 2351 1, 211, 281, 421, 461, 521, 691, 881, 991, 1031, 1151, 1511, 1601, 1871, 1951, 2221, 2591, 3001, 3251, 3571, 3851, 4021, 4391, 4441, 4481, 4621, 4651, 4691, 4751
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- 2352 1, 220, 1184, 2620, 5020, 6232, 10744, 12285, 17296, 63020, 66928, 67095, 69615, 79750, 100485, 122265, 122368, 141664, 142310, 171856, 176272, 185368
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- 2353 1, 244, 3126, 16808, 59293, 161052, 371294, 762744, 1419858, 2476100, 4101152, 6436344, 9768751, 14408200, 20511150, 28629152, 39296688, 52541808
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- 2354 1, 244, 3369, 20176, 79225, 240276, 611569, 1370944, 2790801, 5266900, 9351001, 15787344, 25552969, 39901876, 60413025, 89042176, 128177569, 180699444
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- 2355 1, 247, 14608, 455192, 9738114, 162512286, 2275172004, 27971176092, 311387598411, 3207483178157
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- 2356 1, 251, 571, 971, 1181, 1811, 2011, 2381, 2411, 3221, 3251, 3301, 3821, 4211, 4861, 4931, 5021, 5381, 5861, 6221, 6571, 6581, 8461, 8501, 9091, 9461
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- 2357 1, 256, 6561, 65536, 390625, 1679616, 5764801, 16777216, 43046721, 100000000, 214358881, 429981696, 815730721, 1475789056, 2562890625, 4294967296
EIGHTH POWERS. REF BA1.
- 2358 1, 257, 6818, 72354, 462979, 2142595, 7907396, 24684612, 67731333, 167731333, 382090214, 812071910, 1627802631, 3103591687, 5666482312
SUMS OF EIGHTH POWERS. REF AS1 815.
- 2359 1, 263, 293, 368, 578, 683, 743, 788, 878, 893, 906, 998, 1073, 1103, 1208, 1238, 1268, 1403, 1418
RELATED TO EULERS TOTIENT FUNCTION. REF AMM 54 332 47.
- 2360 1, 272, 7936, 137216, 1841152, 21253376, 222398464, 2174832640, 20261765120, 182172651520
PERMUTATIONS BY LENGTH OF RUNS. REF DKB 261.
- 2361 1, 272, 24611, 515086, 4456448, 23750912, 93241002, 296327464, 806453248, 1951153920, 4300685074
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- 2362 1, 274, 48076, 6998824, 929081776, 117550462624, 14500866102976, 1765130436471424
DIFFERENCES OF RECIPROALS OF UNITY. REF DKB 228.
- 2363 1, 284, 1210, 2924, 5564, 6368, 10856, 14595, 18416, 76084, 66992, 71145, 87633, 88730, 124155, 139815, 123152, 153176, 168730, 176336, 180848, 203432
AMICABLE NUMBERS. REF MTAC 21 242 67.

- 2364 1, 331, 39139, 253243, 4397207, 21587171
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- 2365 1, 341, 561, 645, 1105, 1387, 1729, 1905, 2047, 2465, 2701, 2821, 3277, 4033, 4369, 4371, 4681, 5461, 6601, 7957, 8321, 8481, 8911, 10261, 10585, 11305, 12801
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- 2366 1, 502, 47840, 2203488, 66318474, 1505621508, 27971176092, 447538817472, 6382798925475
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- 2367 1, 504, 270848, 144912096, 77599626552, 41553843041744, 22251789971649504, 11915647845248387520, 6380729991419236488504
EXPANSION OF A MODULAR FUNCTION. REF RAM 317.
- 2368 1, 512, 19683, 262144, 1953125, 10077696, 40353607, 134217728, 387420489, 1000000000, 2357947691, 5159780352, 10604499373, 20661046784
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- 2369 1, 720, 1854, 4738, 12072, 30818, 79118, 204448, 528950, 1370674, 3557408, 9244418, 24043990, 62573616, 162925614, 424377730, 1105703640, 2881483458
PERMANENTS OF CYCLIC (0, 1) MATRICES. REF CMB 7 262 64. JCT 7 317 69.
- 2370 1, 720, 15120, 191520, 1905120, 16435440, 129230640, 953029440, 671134464, 45674188560, 302899156560, 1969147121760, 12604139925660
DIFFERENCES OF ZERO. REF VO1 31. DAZ 2 212. R1 33.
- 2371 1, 725, 1125, 1600, 2000, 2048, 2225, 2304, 2525, 2624, 3600, 4205, 4225, 4352, 4400, 4525, 4752, 4913, 5125, 5225, 5725, 6125, 7056, 7188, 7225, 7232, 7488, 7600
DISCRIMINANTS OF REAL QUARTIC FIELDS. REF JLMS 31 484 56.
- 2372 1, 744, 196884, 21493760, 864299970, 20245856256, 333202640600, 4252023300096, 44656994071935, 401490886656000, 3176440229784420
COEFFICIENTS OF A MODULAR INVARIANT. REF KNAW 56 398 53. MTAC 8 77 54.

TA CARD

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ACA *Acta Arithmetica.*
ACP *Advances in Chemical Physics.*
AENS *Annales Scientifiques de l'Ecole Normale Supérieure, Paris.*
AFAS *Association Française pour l'Avancement des Sciences, Comptes Rendus.*
AFI *American Federation of Information Processing Societies, Conference Proceedings.*
AFM *Arkiv för Matematik.*
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AH2 W. Ahrens, "Mathematische Unterhaltungen und Spiele," Vol. 2, 2nd Teubner, Leipzig, 1918.
AIEE *Transactions of the American Institute of Electrical Engineers.*
AIP *Advances in Physics.*
AJM *American Journal of Mathematics.*
AMM *The American Mathematical Monthly.*
AMP *Archiv der Mathematik und Physik.*
AMS *Annals of Mathematical Statistics.*
AM1 *Acta Mathematica (Uppsala).*
AM2 *Acta Mathematica (Budapest).*
AM3 *Archiv for Matematik og Naturvidenskab.*
ANN *Annals of Mathematics.*
ANY *Annals of the New York Academy of Sciences.*
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- BSMF *Bulletin de la Société Mathématique de France.*
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- BU2 *Bulletin of the Calcutta Mathematical Society.*
- CACM *Communications of the Association for Computing Machinery.*
- CAU A. Cauchy, "Oeuvres Complètes." Gauthier-Villars, Paris, 1882-1938.
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- CHI M. S. Cheema, personal communication.
- CJM *Canadian Journal of Mathematics.*
- CJI *The Computer Journal.*
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- DOI *Det Kongelige Danske Videnskabskabernes Selskabs Skrifter.*
- DVSS *Elemente der Mathematik.*
- ELM *The Edinburgh Mathematical Notes.*
- EMN *Proceedings of the Edinburgh Mathematical Society.*
- EMS *Éditions Spéciales de l'Institut Mathématique de Belgrade.*
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- IBMJ *IBM Journal of Research and Development*.
- IC *Information and Control*.
- ICM *Proceedings of the International Congress of Mathematicians*.
- IDM *L'Intermédiaire des Mathématiciens*.
- IJM *Illinois Journal of Mathematics*.
- IJI *Indian Journal of Mathematics*.
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- JFI *Journal of the Franklin Institute*.
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 MAG *The Mathematical Gazette.*
 MAN *Mathematische Annalen.*

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- MAT *Mathematika.*
 MA1 V. Mangulis, "Handbook of Series for Scientists and Engineers." Academic Press, New York, 1965.
 MA2 P. A. MacMahon, "Combinatory Analysis," Cambridge Univ. Press, London and New York, Vol. 1, 1915 and Vol. 2, 1916.
 MA3 C. L. Mallows, personal communication.
 MA4 *Mathematical Algorithms.*
 MES *The Messenger of Mathematics.*
 ME1 N. Metropolis, M. L. Stein, and P. R. Stein, On finite limit sets for transitions on the unit interval. *Journal of Combinatorial Theory*, A15, 2 (1973).
 MFC *Matematiky Časopis* (formerly *Matematicko-Fyzikálny Časopis*).
 MFM *Monatshefte für Mathematik.*
 MFS M. F. Sykes, personal communication.
 MI1 *Massachusetts Institute of Technology, Research Laboratory of Electronics Quarterly Progress Reports.*
 MLG *The Mathematical Magazine.*
 MMAG *Mathematics Magazine.*
 MNAS *Memoirs of the National Academy of Sciences.*
 MNR *Mathematische Nachrichten.*
 MOD *Atti del Seminario Matematico e Fisico dell'Università di Modena.*
 MO1 J. W. Moon, "Topics on Tournaments." Holt, New York, 1968.
 MO2 P. Montel, "Leçons sur les Récurrences et leurs Applications." Gauthier-Villars, Paris, 1957.
 MQET *Mathematical Questions and Solutions from the Educational Times.*
 MST *The Mathematics Student.*
 MTAC *Mathematics of Computation* (formerly *Mathematical Tables and Other... to Computation*).
 MTS *Mathesis.*
 MT1 L. M. Milne-Thomson, "The Calculus of Finite Differences." Macmillan, New York, 1933.
 MU1 T. Muir, "The Theory of Determinants in the Historical Order of Development." Vols. 1-4. Macmillan, New York, 1906-1923.
 MU2 T. Muir, "A Treatise on the Theory of Determinants." Republished by Dover, New York, 1960.
 MU3 A. Mukhopadhyay, editor, "Recent Developments in Switching Theory." Academic Press, New York, 1971.
 MZT *Mathematische Zeitschrift.*
 NAM *Nouvelles Annales de Mathématiques.*
 NAMS *Notices of the American Mathematical Society.*
 NBS *Journal of Research of the National Bureau of Standards.*
 NCM *Nouvelles Correspondance Mathématique.*
 NET E. Netto, "Lehrbuch der Combinatorik," 2nd ed. Teubner, Leipzig, 1916.
 NI1 National Institute of Sciences of India, *Mathematical Tables*, Vol. 1, "Table of Partitions of Gaussian Integers," by M. S. Cheema and H. Gupta, 1961, Delhi, 1956.
 NMT *Nordisk Matematisk Tidskrift.*
 NOI N. E. Nörlund, "Vorlesungen über Differenzenrechnung." Springer-Verlag, Berlin and New York, 1924.
 NVSF *Det Kongelige Norske Videnskabers Selskabs, Forhandling.*
 NZ1 I. Niven and H. S. Zuckerman, "An Introduction to the Theory of Numbers," 2nd ed. Wiley, New York, 1966.

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- OPI T. R. Van Oppolzer, "Lehrbuch zur Bahnbestimmung der Kometen und Planeten," Vol. 2. Engelmann, Leipzig, 1880.
- PAMS *Proceedings of the American Mathematical Society.*
- PAI T. R. Parkin, L. J. Lander, and D. R. Parkin, Polymino enumeration results, *SIAM Fall Meeting, Santa Barbara, California, 1967.*
- PCPS *Proceedings of the Cambridge Philosophical Society.*
- PEF *Publications de la Faculté d'Electrotechnique de l'Université à Belgrade.*
- PEI O. Perron, "Die Lehre von den Kettenbrüchen," 2nd ed. Teubner, Leipzig, 1929.
- PE2 J. T. Peters, "Ten-Place Logarithm Table," Vols. 1 and 2, rev. ed. Ungar, New York, 1957.
- PE3 J. K. Percus, "Combinatorial Methods," Courant Institute of Mathematical Sciences, New York, 1969.
- PGEC *IEEE Transactions on Computers (formerly IEEE Transactions on Electronic Computers).*
- PGIT *IEEE Transactions on Information Theory.*
- PHA *Physica.*
- PHM *The Philosophical Magazine.*
- PIEE *Proceedings of the Institution of Electrical Engineers.*
- PJM *Pacific Journal of Mathematics.*
- PLMS *Proceedings of the London Mathematical Society.*
- PLI R. J. Plemmons, Cayley tables for all semigroups of order less than 7. Department of Mathematics, Auburn Univ., Auburn, Alabama, 1965.
- PL2 *Proceedings Louisiana Conferences on Combinatorics, Graph Theory, and Computing.*
- PNAS *Proceedings of the National Academy of Sciences of the United States of America.*
- PNISI *Proceedings of the Indian National Science Academy (formerly Proceedings of the National Institute of Sciences of India), Part A.*
- PO1 L. Poletti, "Tavole di Numeri Primi Entro Limiti Diversi e Tavole Affini." Hoepli, Milan, 1920.
- PO2 P. Poulet, "La Chasse aux Nombres," Vol. 2. Librairie du Sphinx, Brussels, 1934.
- PPS *Proceedings of the Physical Society.*
- PRSE *Proceedings of the Royal Society of Edinburgh, Section A.*
- PRV *Physical Review.*
- PR1 G. Prévost, "Tables de Fonctions Sphériques," Gauthier-Villars, Paris, 1933.
- PSAM *Proceedings of Symposia in Applied Mathematics, American Mathematical Society, Providence, Rhode Island.*
- PSPM *Proceedings of Symposia in Pure Mathematics, American Mathematical Society, Providence, Rhode Island.*
- PURB *Research Bulletin of the Punjab University (Science Section).*
- QAM *Quarterly of Applied Mathematics.*
- QJM *The Quarterly Journal of Pure and Applied Mathematics.*
- RAM Srinivasa Ramanujan, "Collected Papers." Cambridge Univ. Press, London and New York, 1927.
- RA1 The Rand Corporation, "A Million Random Digits with 100,000 Normal Deviates." The Free Press, New York, 1955.

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- REC *Recreational Mathematics Magazine.*
- RE1 K. B. Reid, personal communication.
- RE2 K. G. Reuschle, "Tafeln Complexer Primzahlen." Königl. Akademie der Wissenschaften, Berlin, 1875.
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- RI1 J. Riordan, personal communication.
- RI3 J. Riordan, The enumeration of permutations with three-ply staircase restrictions. Unpublished memorandum. Bell Telephone Laboratories, Murray Hill, New Jersey, October 1963.
- RLG R. L. Graham, personal communication.
- RLM *Riviewe Lemmatematika.*
- RMM C. R. Rao, S. K. Mitra, and A. Matthai, editors, "Formulae and Tables I Statistical Work." Statistical Publishing Society, Calcutta, India, 1966.
- ROI P. Rosenstiehl, editor, "Theory of Graphs" (*International Symposium, Ron 1966*). Gordon & Breach, New York, 1967.
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- RS2 Royal Society Mathematical Tables, Vol. 4, "Tables of Partitions," by I. Gupta and others. Cambridge Univ. Press, London and New York, 1955.
- RS3 *Philosophical Transactions of the Royal Society of London, Series A.*
- RS4 Royal Society Mathematical Tables, Vol. 8, "Tables of Natural and Common Logarithms," by W. E. Mansell. Cambridge Univ. Press, London and New York, 1964.
- RS5 Royal Society Mathematical Tables, Vol. 9, "Tables of Indices and Primitives Roots," by A. E. Western and J. C. P. Miller. Cambridge Univ. Press, London and New York, 1968.
- RS6 *Proceedings of the Royal Society of London, Series A.*
- RS7 Royal Society Mathematical Tables, Vol. 6, "Tables of the Riemann Zeta Function," by C. B. Haselgrove and J. C. P. Miller. Cambridge Univ. Press, London and New York, 1960.
- RYS H. J. Ryser, "Combinatorial Mathematics," Mathematical Association of America, Carus Mathematical Monograph Number 14, 1963.
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- SE3 J. J. Seidel, personal communication.
- SIAMR *SIAM Review*.
- SI1 W. Sierpinski, "Elementary Theory of Numbers," Państwowe Wydawnictwo Naukowe, Warsaw, 1964.
- SI2 W. Sierpinski, "A Selection of Problems in the Theory of Numbers," Macmillan, New York, 1964.
- SKA *Skandinavisk Aktuarietidskrift*.
- SL1 M. A. Sainte-Lagué, "Les Réseaux (ou Graphes)," Mémoires des Sciences Mathématiques, Fasc. 18, Gauthier-Villars, Paris, 1926.
- SMA *Scripta Mathematica*.
- SMD *Soviet Mathematics-Doklady*.
- SMH *Studia Scientiarum Mathematicarum Hungarica*.
- SPH *Sphinx*.
- SPS Space Programs Summary. Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California.
- SSP *Solid State Physics (Journal of Physics C)*.
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- TAMS *Transactions of the American Mathematical Society*.
- TA1 P. G. Tait, "Scientific Papers," Cambridge Univ. Press, London and New York, Vol. 1, 1898, and Vol. 2, 1900.
- TCPS *Transactions of the Cambridge Philosophical Society*.
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- TM1 J. Tannery and J. Molk, "Éléments de la Théorie des Fonctions Elliptiques," Vols. 1-4, Gauthier-Villars, Paris, 1893-1902.
- TOH *Tôhoku Mathematical Journal*.
- UL1 S. M. Ulam, "Problems in Modern Mathematics," Wiley, New York, 1960.
- UWP *University of Washington Publications in Mathematics*.
- VO1 A. H. Voigt, "Theorie der Zahlenreihen und der Reihengleichungen," Göschen, Leipzig, 1911.
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- WO1 E. Wolman, personal communication.
- WR1 J. A. Wright, personal communication.
- ZFK *Zeitschrift für Kristallographie*.
- ZML *Zeitschrift für Mathematische Logik und Grundlagen der Mathematik*.
- ZMP *Zeitschrift für Mathematik und Physik*.

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