

948.

REPORT OF A COMMITTEE APPOINTED FOR THE PURPOSE OF CARRYING ON THE TABLES CONNECTED WITH THE PELLIAN EQUATION FROM THE POINT WHERE THE WORK WAS LEFT BY DEGEN IN 1817.

[From the *British Association Report*, (1893), pp. 73—120.]

WE have, on the Pellian Equation, Degen's tables, the title of which is "Canon Pellianus sive Tabula simplicissimam æquationis celebratissimæ $y^2 = ax^2 + 1$ solutionem pro singulis numeri dati valoribus ab 1 usque ad 1000 in numeris rationalibus iisdemque integris exhibens." Autore Carolo Ferdinando Degen. Hafniæ, apud Gerhardum Bonnierum, MDCCCXVII., 8vo. Introductio, pp. v—xxiv. Tabula I. Solutionem æquationis $y^2 - ax^2 - 1 = 0$ exhibens, pp. 3—106. Tabula II. Solutionem æquationis $y^2 - ax^2 + 1 = 0$, quotiescunque valor ipsius a talem admiserit, exhibens, pp. 109—112.

The mode of calculation is explained in the Introduction, and illustrated by the examples of the numbers 209, 173.

As to the first of these, the entry in Table I. is

209	14, 2, 5, 3, (2)
	1, 13, 5, 8, 11
	3220
	46551

where the first line gives the expression of $\sqrt{209}$ as a continued fraction, viz. we have

$$\sqrt{209} = 14 + \frac{1}{2 + \frac{1}{5 + \frac{1}{3 + \frac{1}{2 + \frac{1}{3 + \frac{1}{5 + \frac{1}{2 + \frac{1}{28 + \frac{1}{2 + \dots}}}}}}}} \&c.,$$

the denominators being 2, 5, 3, (2), 3, 5, 2, then 28, which is the double of the integer part 14, and then again 2, 5, 3, (2), 3, 5, 2, and so on, the parentheses of the (2) being used to indicate that this is the middle term of the period.

The second row gives auxiliary numbers occurring in the calculation of the first row and having a meaning, as will presently appear. Observe that the 11 which comes under the (2) should also be printed in parentheses (11); but this is not done.

The process for the calculation of the x, y is as follows:

209			
14	1	0	+ 1
2	14	1	- 13
5	29	2	+ 5
3	159	11	- 8
(2)	506	35	+(11)
3	1171	81	- 8
5	4019	278	+ 5
2	21266	1471	- 13
28	46551	3220	+ 1

viz. writing down as a first column the numbers of the first row, and beginning the second column with 1, 14 (14 the number at the head of the first column), and the third column with 0, 1, we calculate the numbers of the second column, $29 = 2 \cdot 14 + 1$, $159 = 5 \cdot 29 + 14$, $506 = 3 \cdot 159 + 29$, &c., and the numbers of the third column in like manner, $2 = 2 \cdot 1 + 0$, $11 = 5 \cdot 2 + 1$, $35 = 3 \cdot 11 + 2$, &c.; and then writing down as a fourth column the numbers of the second row with the signs +, - alternately, we have a series of equations $y^2 - ax^2 = \pm A$, viz.

$$1^2 - 209 \cdot 0^2 = + 1,$$

$$14^2 - 209 \cdot 1^2 = - 13,$$

$$29^2 - 209 \cdot 2^2 = + 5,$$

$$\vdots$$

the last of them being

$$(46551)^2 - 209 (3220)^2 = + 1,$$

this last corresponding as above to the value +1, and the numbers 46551 and 3220 being accordingly the y and x given in the fourth and third rows of the table.

As to the second of the foregoing numbers, 173, the only difference is that the period has a double middle term, viz. the entry in the Table I. is

173	13, 6, (1, 1)
	1, 4, (13, 13)
	190060
	2499849

The first row gives the expression of $\sqrt{173}$, viz. that is

$$\sqrt{173} = 13 + \frac{1}{6} + \frac{1}{(1)} + \frac{1}{(1)} + \frac{1}{6} + \frac{1}{26} + \&c.,$$

the denominators being 6, 1, 1, 6, then 26 (the double of the integer part 13), and then again 6, 1, 1, 6, and so on. In the second row I remark that Degen prints the parentheses (13, 13) for the double middle term.

The process for the calculation of the x, y is similar to that in the former case, viz. we have

173			
13	1	0	+ 1
6	13	1	- 4
(1)	79	6	+ 13
(1)	92	7	- 13
6	171	13	+ 4
26	1118	85	- 1

where the second and third columns begin 1, 13 and 0, 1 respectively, and the remaining terms are calculated $79 = 6 \cdot 13 + 1$, $92 = 1 \cdot 79 + 13$, &c., and $6 = 6 \cdot 1 + 0$, $7 = 1 \cdot 6 + 1$, &c.; and then writing down as a fourth column the terms of the second row with the signs +, - alternately, we have

$$1^2 - 173 \cdot 0^2 = + 1,$$

$$13^2 - 173 \cdot 1^2 = - 4,$$

$$79^2 - 173 \cdot 6^2 = + 13,$$

⋮

the last equation being

$$(1118)^2 - 173 (85)^2 = - 1,$$

the term for the last equation being always in a case such as the present one, not + 1, but - 1. The final numbers 1118, 85 are consequently entered not in Table I., but in Table II., viz. the entry in this table is

173	85 1118
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and thence we calculate the numbers y, x of Table I., viz. these are

$$2499849 = 2 \cdot (1118)^2 + 1,$$

$$190060 = 2 \cdot 1118 \cdot 85.$$

Generally Table II. gives for each value of a , comprised therein, values of x, y , such that $y^2 = ax^2 - 1$, and then writing $y_1 = 2y^2 + 1, x_1 = 2xy$, we have

$$y_1^2 = (2ax^2 - 1)^2 = 4a^2x^4 - 4ax^2 + 1 = a \cdot 4x^2 (ax^2 - 1) + 1 = ax_1^2 + 1,$$

so that x_1, y_1 are for the same value of a the values of x, y in Table I.

It is to be remarked that the heading of Table II. is not perfectly accurate, for it purports to give for every value of a , for which a solution exists, a solution of the equation $y^2 = ax^2 - 1$. What it really gives is the solution for each value of a for which the period has a double middle term. But if $a = \alpha^2 + 1$, then obviously we have a solution $y = \alpha, x = 1$, and for any such value of a the period has a single middle term, viz. the entry in Table I. is

$a^2 + 1$	$a, (2a)$ 1, 1 $2a$ $2a^2 + 1$
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and we, in fact, have

$a^2 + 1$			
a	1	0	+ 1
$(2a)$	a	1	- 1
* $2a$	$2a^2 + 1$	$2a$	+ 1

that is,

$$1^2 - (\alpha^2 + 1) 0^2 = + 1,$$

$$\alpha^2 - (\alpha^2 + 1) 1^2 = - 1,$$

$$(2\alpha^2 + 1)^2 - (\alpha^2 + 1) (2\alpha)^2 = + 1.$$

The foregoing instances of the calculation of x, y in the case of the numbers 209 and 173 suggest a table which may be regarded as an extended form of Degen's tables; viz. such a table, from $a=2$ to $a=99$, is as follows:

SPECIMEN OF EXTENDED FORM OF TABLE IN REGARD TO THE PELLIAN EQUATION.

a	y	x	$y^2 - ax^2$	a	y	x	$y^2 - ax^2$	
2	1	1	0	13	3	1	0	
	(2)	1	1		1	3	1	-4
	2	3	2		(1)	4	1	+3
3	1	1	0	14	1	11	3	
	(1)	1	1		6	18	5	-1
	2	2	1		3	1	0	+1
5	2	1	0	(2)	1	3	1	
	(4)	2	1		4	1	+2	
	4	9	4		1	11	3	-5
6	2	1	0	15	6	15	4	
	(2)	2	1		3	1	0	+1
	4	5	2		(1)	3	1	-6
7	2	1	0	17	6	4	1	
	1	2	1		4	1	0	+1
	(1)	3	1		(8)	4	1	-1
	1	5	2		8	33	8	+1
8	2	1	0	18	4	1	0	
	(1)	2	1		(4)	4	1	-2
	4	3	1		8	17	4	+1
10	3	1	0	19	4	1	0	
	(6)	3	1		2	4	1	-3
	6	19	6		1	9	2	+5
11	3	1	0	(3)	13	3	-2	
	(3)	3	1		1	48	11	+5
	6	10	3		2	61	14	-3
12	3	1	0	20	8	170	39	
	(2)	3	1		4	1	0	+1
	6	7	2		(2)	4	1	-4
					8	9	2	+1

SPECIMEN OF EXTENDED FORM OF PELLIAN EQUATION TABLE—*continued.*

a	y		x	$y^2 - ax^2$	a	y		x	$y^2 - ax^2$
21	4	1	0	+ 1	29	5	1	0	+ 1
	1	4	1	- 5		2	5	1	- 6
	1	5	1	+ 4		(1)	11	2	+ 5
	(2)	9	2	- 3		(1)	16	3	- 3
	1	23	5	+ 4		2	27	5	+ 2
	1	32	7	- 5		10	70	13	- 1
	8	55	12	+ 1					
22	4	1	0	+ 1	30	5	1	0	+ 1
	1	4	1	- 6		(2)	5	1	- 5
	2	5	1	+ 3		10	11	2	+ 1
	(4)	14	3	- 2	31	5	1	0	+ 1
	2	61	13	+ 3		1	5	1	- 6
	1	136	29	- 6		1	6	1	+ 5
	8	197	42	+ 1		3	11	2	- 3
				(5)		39	7	+ 2	
				3	206	37	- 3		
23	4	1	0	+ 1	1	657	118	+ 5	
	1	4	1	- 7	1	863	155	- 6	
	(3)	5	1	+ 2	10	1520	273	+ 1	
	1	19	4	- 7					
	8	24	5	+ 1					
24	4	1	0	+ 1	32	5	1	0	+ 1
	(1)	4	1	- 8		1	5	1	- 7
	8	5	1	+ 1		(1)	6	1	+ 4
				1		11	2	- 7	
				10		17	3	+ 1	
26	5	1	0	+ 1	33	5	1	0	+ 1
	(10)	5	1	- 1		1	5	1	- 8
	10	51	10	+ 1		(2)	6	1	+ 3
				1		17	3	- 8	
				10		23	4	+ 1	
27	5	1	0	+ 1	34	5	1	0	+ 1
	(5)	5	1	- 2		1	5	1	- 9
	10	26	5	+ 1		(4)	6	1	+ 2
						1	29	5	- 9
				10		35	6	+ 1	
28	5	1	0	+ 1					
	3	5	1	- 3					
	(2)	16	3	+ 4					
	3	37	7	- 3					
	10	127	24	+ 1					

SPECIMEN OF EXTENDED FORM OF PELLIAN EQUATION TABLE—*continued.*

a	y		x	$y^2 - ax^2$	a	y		x	$y^2 - ax^2$	
35	5	1	0	+ 1	44	6	1	0	+ 1	
	(1)	5	1	- 10		1	6	1	- 8	
	10	6	1	+ 1		1	7	1	+ 5	
37	6	1	0	+ 1		1	13	2	- 7	
	(12)	6	1	- 1		(2)	20	3	+ 4	
	12	73	12	+ 1		1	53	8	- 7	
38	6	1	0	+ 1		1	73	11	+ 5	
	(6)	6	1	- 2		1	126	19	- 8	
	12	37	6	+ 1		12	199	30	+ 1	
39	6	1	0	+ 1		45	6	1	0	+ 1
	(4)	6	1	- 3			1	6	1	- 9
	12	25	4	+ 1			2	7	1	+ 4
40	6	1	0	+ 1	(2)		20	3	- 5	
	(3)	6	1	- 4	2		47	7	+ 4	
	12	19	3	+ 1	1		114	17	- 9	
41	6	1	0	+ 1	12	161	24	+ 1		
	(2)	6	1	- 5	46	6	1	0	+ 1	
	(2)	13	2	+ 5		1	6	1	- 10	
12	32	5	- 1	3		7	1	+ 3		
42	6	1	0	+ 1		1	27	4	- 7	
	(2)	6	1	- 6		1	34	5	+ 6	
	12	13	2	+ 1		2	61	9	- 5	
43	6	1	0	+ 1		(6)	156	23	+ 2	
	1	6	1	- 7		2	997	147	- 5	
	1	7	1	+ 6		1	2150	317	+ 6	
	3	13	2	- 3		1	3147	464	- 7	
	1	46	7	+ 9	3	5297	781	+ 3		
	(5)	59	9	- 2	1	19038	2807	- 10		
	1	341	52	+ 9	12	24335	3588	+ 1		
	3	400	61	- 3	47	6	1	0	+ 1	
	1	1541	235	+ 6		1	6	1	- 1	
	1	1941	296	- 7		(5)	7	1	+ 2	
12	3482	531	+ 1	1	41	6	- 11			
48	6	1	0	+ 1	12	48	7	+ 1		
	(1)	6	1	- 12	6	1	0	+ 1		
	12	7	1	+ 1						

SPECIMEN OF EXTENDED FORM OF PELLIAN EQUATION TABLE—*continued.*

a	y		x	$y^2 - ax^2$	a	y		x	$y^2 - ax^2$
50	7	1	0	+ 1	57	7	1	0	+ 1
	(14)	7	1	- 1		1	7	1	- 8
	14	99	14	+ 1		1	8	1	+ 7
51	7	1	0	+ 1	(4)	15	2	- 3	
	(7)	7	1	- 2	1	68	9	+ 7	
	14	50	7	+ 1	1	83	11	- 8	
52	7	1	0	+ 1	14	151	20	+ 1	
	4	7	1	- 3	58	7	1	0	+ 1
	1	29	4	+ 9		1	7	1	- 9
	(2)	36	5	- 4		1	8	1	+ 6
	1	101	14	+ 9		(1)	15	2	- 7
	4	137	19	- 3		(1)	23	3	+ 7
14	649	90	+ 1	1		38	5	- 6	
53	7	1	0	+ 1	1	61	8	+ 9	
	3	7	1	- 4	14	99	13	- 1	
	(1)	22	3	+ 7	59	7	1	0	+ 1
	(1)	29	4	- 7		1	7	1	- 10
	3	51	7	+ 4		2	8	1	+ 5
14	182	25	- 1	(7)		23	3	- 2	
				2		169	22	+ 5	
54	7	1	0	+ 1	1	361	47	- 10	
	2	7	1	- 5	14	530	69	+ 1	
	1	15	2	+ 9	60	7	1	0	+ 1
	(6)	22	3	- 2		1	7	1	- 11
	1	147	20	+ 9		(2)	8	1	+ 4
	2	169	23	- 5		1	23	3	- 11
14	485	66	+ 1	14		31	4	+ 1	
				61		7	1	0	+ 1
55	7	1	0		+ 1	1	7	1	- 12
	2	7	1		- 6	4	8	1	+ 3
	(2)	15	2		+ 5	3	39	5	- 4
	2	37	5		- 6	1	125	16	+ 9
	14	89	12		+ 1	(2)	164	21	- 5
					(2)	453	58	+ 5	
56	7	1	0	+ 1	1	1070	137	- 9	
	(2)	7	1	- 7					
	14	15	2	+ 1					

SPECIMEN OF EXTENDED FORM OF PELLIAN EQUATION TABLE—*continued.*

<i>a</i>	<i>y</i>	<i>x</i>	$y^2 - ax^2$	<i>a</i>	<i>y</i>	<i>x</i>	$y^2 - ax^2$
	3 1523	195	+ 4		3 25	3	+ 4
	4 5639	722	- 3		1 83	10	- 11
	1 24079	3083	+ 12		(4) 108	13	+ 3
	14 29718	3805	- 1		1 515	62	- 11
62	7 1	0	+ 1		3 623	75	+ 4
	1 7	1	- 13		3 2384	297	- 5
	(6) 8	1	+ 2		16 7775	936	+ 1
	1 55	7	- 13	70	8 1	0	+ 1
	14 63	8	+ 1		2 8	1	- 6
63	7 1	0	+ 1		1 17	2	+ 9
	(1) 7	1	- 14		(2) 25	3	- 5
	14 8	1	+ 1		1 67	8	+ 9
65	8 1	0	+ 1		2 92	11	- 6
	(16) 8	1	- 1		16 251	30	+ 1
	16 129	16	+ 1	71	8 1	0	+ 1
66	8 1	0	+ 1		2 8	1	- 7
	(8) 8	1	- 2		2 17	2	+ 5
	16 65	8	+ 1		1 42	5	- 11
67	8 1	0	+ 1		(7) 59	7	+ 2
	5 8	1	- 3		1 455	54	- 11
	2 41	5	+ 6		2 514	61	+ 5
	1 90	11	- 7		2 1483	176	- 7
	1 131	16	+ 9		16 3480	413	+ 1
	(7) 221	27	- 2	72	8 1	0	+ 1
	1 1678	205	+ 9		(2) 8	1	- 3
	1 1899	232	- 7		16 17	2	+ 1
	2 3577	437	+ 6	73	8 1	0	+ 1
	5 9053	1106	- 3		1 8	1	- 9
	16 48842	5967	+ 1		1 9	1	+ 8
68	8 1	0	+ 1		(5) 17	2	- 3
	(4) 8	1	- 4		(5) 94	11	+ 3
	16 33	4	+ 1		1 487	57	- 8
69	8 1	0	+ 1		1 581	68	+ 9
	3 8	1	- 5		16 1068	125	- 1
				74	8 1	0	+ 1
					1 8	1	- 10

SPECIMEN OF EXTENDED FORM OF PELLIAN EQUATION TABLE—*continued.*

<i>a</i>	<i>y</i>	<i>x</i>	$y^2 - ax^2$	<i>a</i>	<i>y</i>	<i>x</i>	$y^2 - ax^2$		
	(1)	9	1	+ 7	79	8	1	0	+ 1
	(1)	17	2	- 7		1	8	1	- 15
	1	26	3	+ 10		(7)	9	1	+ 2
	16	43	5	- 1		1	71	8	- 15
75	8	1	0	+ 1	16	80	9	+ 1	
	1	8	1	- 11	80	8	1	0	+ 1
	(1)	9	1	+ 6		(1)	8	1	- 16
	1	17	2	- 11	16	9	1	+ 1	
76	16	26	3	+ 1	82	9	1	0	+ 1
	8	1	0	+ 1		(18)	9	1	- 1
	1	8	1	- 12	18	163	18	+ 1	
	2	9	1	+ 5	83	9	1	0	+ 1
	1	26	3	- 8		(9)	9	1	- 2
	1	35	4	+ 9	18	82	9	+ 1	
	5	61	7	- 3	84	9	1	0	+ 1
	(4)	340	39	+ 4		(6)	9	1	- 3
	5	1421	163	- 3		18	55	6	+ 1
	1	7445	854	+ 9		85	9	1	0
	1	8866	1017	- 8	4		9	1	- 4
	2	16311	1871	+ 5	(1)		37	4	+ 9
1	41488	4759	- 12	(1)	46		5	- 9	
77	16	57799	6630	+ 1	4	83	9	+ 4	
	8	1	0	+ 1	18	378	41	- 1	
	1	8	1	- 13	86	9	1	0	+ 1
	3	9	1	+ 4		3	9	1	- 5
	(2)	35	4	- 7		1	28	3	+ 10
	3	79	9	+ 4		1	37	4	- 7
	1	272	31	- 13		1	65	7	+ 11
16	351	40	+ 1	(8)		102	11	- 2	
78	8	1	0	+ 1	1	881	95	+ 11	
	1	8	1	- 14	1	983	106	- 7	
	(4)	9	1	+ 3	1	1864	201	+ 10	
	1	44	5	- 14	3	2847	307	- 5	
	16	53	6	+ 1	18	10405	1122	+ 1	

SPECIMEN OF EXTENDED FORM OF PELLIAN EQUATION TABLE—*continued.*

a	y		x	$y^2 - ax^2$	a	y		x	$y^2 - ax^2$
87	9	1	0	+ 1	93	9	1	0	+ 1
	(3)	9	1	- 6		1	9	1	- 12
	18	28	3	+ 1		1	10	1	+ 7
88	9	1	0	+ 1	1	19	2	- 11	
	2	9	1	- 7	4	29	3	+ 4	
	1	19	2	+ 9	(6)	135	14	- 3	
	(1)	28	3	- 8	4	839	87	+ 4	
	1	47	5	+ 9	1	3491	362	- 11	
	2	75	8	- 7	1	4330	449	+ 7	
	18	197	21	+ 1	1	7821	811	- 12	
89	9	1	0	+ 1	18	12151	1260	+ 1	
	2	9	1	- 8	94	9	1	0	+ 1
	(3)	19	2	+ 5		1	9	1	- 13
	(3)	66	7	- 5		2	10	1	+ 6
	2	217	23	+ 8		3	29	3	- 5
	18	500	53	- 1		1	97	10	+ 9
90	9	1	0	+ 1		1	126	13	- 10
(2)	9	1	0	+ 1	5	223	23	+ 3	
	18	19	2	+ 1	1	1241	128	- 15	
91	9	1	0	+ 1	(8)	1464	151	+ 2	
	1	9	1	- 10	1	12953	1336	- 15	
	1	10	1	+ 9	5	14417	1487	+ 3	
	5	19	2	- 3	1	85038	8771	- 10	
	(1)	105	11	+ 14	1	99455	10258	+ 9	
	5	124	13	- 3	3	1 84493	19029	- 5	
	1	725	76	+ 9	2	6 52934	67345	+ 6	
	1	849	89	- 10	1	14 90361	1 53719	- 13	
	18	1574	165	+ 1	18	21 43295	2 21064	+ 1	
	92	9	1	0	+ 1	95	9	1	0
1		9	1	- 11	1	9	1	- 14	
1		10	1	+ 3	(2)	10	1	+ 5	
2		19	2	- 7	1	29	3	- 14	
(4)		48	5	+ 4	18	39	4	+ 1	
2		211	22	- 7	96	9	1	0	+ 1
1		470	49	+ 3		1	9	1	- 15
1		681	71	- 11		(3)	10	1	+ 4
18		1151	120	+ 1		1	39	4	- 15
						18	49	5	+ 1

SPECIMEN OF EXTENDED FORM OF PELLIAN EQUATION TABLE—*continued*.

a	y	x	$y^2 - ax^2$	a	y	x	$y^2 - ax^2$		
97	9	1	0	98	9	1	0		
	1	9	1		1	9	1	-17	
	5	10	1		(8)	10	1	+2	
	1	59	6		1	89	9	-17	
	1	69	7		18	99	10	+1	
	(1)	128	13						
	(1)	197	20			99	9	1	+1
	1	325	33			(1)	9	1	-18
	1	522	53			18	10	1	+1
	5	847	86						
	1	4757	483						
18	5604	569							

The meaning hardly requires explanation; for each number a , we have a series of pairs of increasing numbers, y , x , satisfying a series of equations $y^2 = ax^2 \pm b$; thus

$$a = 14$$

y	x	$y^2 - ax^2$
1	0	$1 - 14 \cdot 0 = 1$,
3	1	$9 - 14 \cdot 1 = -5$,
4	1	$16 - 14 \cdot 1 = +2$,
11	3	$121 - 14 \cdot 9 = -5$,
15	4	$225 - 14 \cdot 16 = +1$.

The following table, calculated under the superintendence of the Committee, extends from $a = 1001$ to $a = 1500$ (square numbers omitted); it is (with slight typographical variations) nearly but not exactly in the form of Degen's Table I, the chief difference being that for a number a having a double middle term, or of the form $a^2 + 1$ (such number being further distinguished by an asterisk), the x , y entered in the table are the solutions, *not* of the equation $y^2 = ax^2 + 1$, but of the equation $y^2 = ax^2 - 1$. As remarked above, if we have $y^2 = ax^2 - 1$, then writing $y_1 = 2y^2 + 1$ and $x_1 = 2xy$, we obtain $y_1^2 = ax_1^2 + 1$.

Moreover, for each value of a , in the first line, the first term, which is the integer part of \sqrt{a} , is separated from the other by a semicolon, and the 1, which is the corresponding first term of the second line, is omitted.

The calculations were made by C. E. Bickmore, M.A., of New College, Oxford: his values for x and y have been revised as presently mentioned, but it has been assumed that his values for the periods and subsidiary numbers (forming the first and second lines of each division of the table) are accurate; in fact, any error therein would cause the resulting values of x and y to be wildly erroneous; but (except in a single instance which was accounted for) the errors in x and y were in every case in a single figure or two or three figures only.

The values of x and y were in every case examined by substitution in the equation ($y^2 = ax^2 + 1$, or $y^2 = ax^2 - 1$, as the case may be), which should be satisfied by them. These verifications were for the most part made by A. Graham, M.A., of the Observatory, Cambridge. As already mentioned, some errors were detected, and these have been, of course, corrected. The values of x , y given in the table thus satisfy in every case the proper equation $y^2 = ax^2 + 1$, or $y^2 = ax^2 - 1$; on the ground above referred to, it is believed that the periods and subsidiary numbers are also accurate.

It may be remarked, in regard to the verification of the equation $y^2 = ax^2 \pm 1$ for large values of x and y , it is in practice easier and safer to calculate $ax^2 \pm 1$, and then to compare the square root thereof with the given value of y , than to further calculate the value of y^2 .

THE TABLE 1001 TO 1500.

1001	31; 1, 1, 1, 3, 3, 2, (4) 40, 23, 35, 16, 17, 25, (13)	33532 10 60905
1002	31; 1, 1, 1, 8, 2, 1, 1, 1, 3, (10) 41, 22, 39, 7, 23, 31, 26, 33, 17, (6)	65 35248 2068 69247
1003	31; 1, 2, (31) 42, 21, (2)	285 9026
1004	31; 1, 2, 5, 2, 2, 1, 7, 4, 1, 2, 1, 11, 1, (14) 43, 20, 11, 25, 19, 41, 8, 13, 40, 17, 44, 5, 55, (4)	85 24164 59730 2700 96330 24199
1005	31; 1, 2, 2, 1, 5, 15, 1, 2, (12) 44, 19, 20, 39, 11, 4, 41, 21, (5)	930 59568 29501 49761
1006	31; 1, 2, 1, 1, 5, 1, 3, 2, 1, 1, 1, 1, 9, 1, 20, 4, 5, 1, 1, 12, 6, 1, (30) 45, 18, 29, 33, 10, 43, 15, 22, 31, 27, 30, 25, 37, 6, 55, 3, 15, 11, 30, 33, 5, 9, 53, (2)	4 45346 14025 55749 21748 141 25267 56378 02146 05455
1007	31; 1, 2, (1) 46, 17, (38)	15 476
1008	31; 1, (2) 47, (16)	4 127
1009*	31; 1, (3, 3) 48, (15, 15)	17 540
1010*	31; 1, 3, (1, 1) 49, 14, (31, 31)	41 1303
1011	31; 1, 3, 1, (9) 50, 13, 47, (6)	265 8426
1012	31; 1, 4, 3, 6, 1, 3, 8, 1, (4) 51, 12, 19, 9, 43, 16, 7, 48, (11)	1013 02110 32226 17399
1013*	31; 1, 4, 1, 4, 15, 1, 2, (2, 2) 52, 11, 44, 13, 4, 43, 19, (23, 23)	123 52985 3931 66618
1014	31; 1, 5, 2, 1, 1, 1, 1, (20) 53, 10, 23, 30, 29, 25, 38, (3)	1 46266 46 56965
1015	31; 1, 6, 10, (2) 54, 9, 6, (29)	11076 3 52871
1016	31; 1, (6) 55, (8)	8 255
1017	31; 1, 8, 7, 1, 6, 4, 1, 3, 5, 1, 1, (6) 56, 7, 8, 49, 9, 13, 41, 16, 11, 31, 32, (9)	9 09655 84992 290 09322 97217
1018*	31; 1, 9, 1, 1, 1, 6, 2, (3, 3) 57, 6, 39, 23, 38, 9, 26, (17, 17)	27 28333 870 50499
1019	31; 1, 11, 1, 3, 1, 1, 1, 3, 8, 1, 5, 2, (31) 58, 5, 47, 14, 35, 25, 34, 17, 7, 49, 10, 29, (2)	19 07764 36539 608 99233 21730
1020	31; 1, (14) 59, (4)	16 511
1021*	31; 1, 20, 3, 6, 1, 3, 2, 1, 1, 12, 5, 4, 15, 1, 2, 1, 4, 1, 1, 2, 1, 1, 1, (5, 5) 60, 3, 20, 9, 44, 15, 23, 27, 36, 5, 12, 15, 4, 45, 17, 41, 12, 33, 29, 20, 33, 25, 36, (11, 11)	98 65001 29666 69564 06909 3152 17280 37258 48825 15030

TABLE 1001 TO 1500—continued.

1022	$3^1; 1, (3^0)$ $61, (2)$	32 1023
1023	$3^1; (1)$ (62)	1 32
1025*	$3^2; (64)$ (1)	1 32
1026	$3^2; (3^2)$ (2)	32 1025
1027	$3^2; 21, 2, 1, 6, 2, (4)$ $3, 22, 39, 9, 27, (13)$	41 54868 1331 50393
1028	$3^2; (16)$ (4)	16 513
1029	$3^2; 12, 1, 4, 2, 2, 1, 3, 15, 1, 3, 2, 1, (20)$ $5, 49, 12, 25, 20, 37, 17, 4, 47, 15, 20, 43, (3)$	303 57068 95884 9737 94964 66615
1030	$3^2; 10, 1, 2, 6, 1, 3, 1, 2, 1, 1, 2, 2, (12)$ $6, 41, 21, 9, 45, 14, 39, 19, 31, 30, 21, 26, (5)$	2 75539 87434 88 43070 11291
1031	$3^2; 9, 6, 3, 4, 1, 1, 1, 1, 1, 12, 4, 1, 1, (31)$ $7, 10, 19, 13, 35, 26, 31, 25, 38, 5, 14, 29, 35, (2)$	2029 75370 82877 65173 74486 64200
1032	$3^2; (8)$ (8)	8 257
1033*	$3^2; 7, 7, 1, 8, 3, 3, 1, 2, 3, 2, 2, 1, 1, 1, 2, (21, 21)$ $9, 8, 51, 7, 19, 16, 37, 21, 17, 24, 21, 32, 27, 31, 24, (3, 3)$	5 81389 30460 24093 186 86036 75961 74196
1034	$3^2; 6, 2, (2)$ $10, 25, (22)$	494 15885
1035	$3^2; 5, (1)$ $11, (46)$	35 1126
1036	$3^2; 5, 2, 1, 6, (2)$ $12, 21, 40, 9, (28)$	26322 8 47225
1037*	$3^2; 4, 1, 15, (3, 3)$ $13, 49, 4, (19, 19)$	64805 20 86882
1038	$3^2; 4, 1, 1, 2, 2, 1, 2, (10)$ $14, 33, 29, 22, 21, 34, 23, (6)$	4 78126 154 04267
1039	$3^2; 4, 3, 1, 1, 5, 3, 2, 2, 21, 12, 1, 5, 1, 1, 10, 4, 1, 6, 2, 1, 3, 1, 1,$ $15, 17, 30, 33, 11, 18, 23, 26, 3, 5, 51, 10, 31, 33, 6, 13, 46, 9, 22, 37, 15, 34, 27,$ $1, 1, 1, 1, (31)$ $29, 30, 25, 39, (2)$	1 53006 74275 15667 18643 06921 49 31946 34979 07633 93486 37520
1040	$3^2; (4)$ (16)	4 129
1041	$3^2; 3, 1, 3, 1, 1, 4, 2, 2, 7, 1, 1, 1, 12, 3, 1, (20)$ $17, 40, 15, 31, 32, 13, 24, 25, 8, 39, 23, 40, 5, 16, 47, (3)$	2389 36879 43492 77091 86499 27575
1042*	$3^2; 3, (1, 1)$ $18, (31, 31)$	25 807

TABLE 1001 TO 1500—continued.

1043	3^2 ; 3, 2, 1, 1, 1, 1, (8) 19, 22, 31, 29, 26, 37, (7)	17864 5 76927
1044	3^2 ; 3, 4, 1, 1, 1, 3, 2, 1, 1, (6) 20, 13, 36, 25, 35, 16, 23, 28, 35, (9)	59 45940 1921 19201
1045	3^2 ; 3, 15, 1, (4) 21, 4, 51, (11)	14112 4 56191
1046	3^2 ; 2, 1, 12, 3, 1, 2, 1, 1, 1, 5, 1, 5, (32) 22, 41, 5, 17, 38, 19, 34, 25, 37, 10, 47, 11, (2)	12 32778 42162 398 70425 10565
1047	3^2 ; 2, 1, 3, 1, (20) 23, 37, 14, 49, (3)	4228 1 36807
1048	3^2 ; 2, 1, 2, 6, 1, 4, 1, 1, (7) 24, 33, 23, 9, 47, 12, 31, 33, (8)	32 42859 1049 80517
1049*	3^2 ; 2, 1, 1, 2, 1, 4, 3, 1, 5, 7, 1, (12, 12) 25, 29, 32, 19, 40, 13, 16, 43, 11, 8, 53, (5, 5)	4 74354 09493 153 63508 25620
1050	3^2 ; 2, 2, (10) 26, 25, (6)	270 8749
1051	3^2 ; 2, 2, 1, 1, 2, 4, 4, 10, 1, 1, 3, 12, 1, 2, 6, 7, 21, 2, 8, 1, 3, 2, 2, 27, 21, 31, 30, 23, 14, 15, 6, 35, 29, 18, 5, 42, 21, 10, 9, 3, 30, 7, 46, 15, 25, 19, 1, (31) 45, (2)	95 53827 66460 01506 59129 73250 2 94697 22410 66655 86570 86507
1052	3^2 ; 2, 3, 3, 7, 1, 4, 9, (16) 28, 17, 19, 8, 47, 13, 7, (4)	11935 79112 3 87132 00767
1053	3^2 ; 2, (4) 29, (13)	20 649
1054	3^2 ; 2, 6, 1, 2, 1, 1, 4, 2, 2, 1, 1, 1, 3, 1, 2, 3, 4, (32) 30, 9, 42, 19, 30, 33, 13, 25, 21, 33, 26, 35, 15, 38, 21, 18, 15, (2)	10335 86450 05416 3 35557 62560 56895
1055	3^2 ; 2, (12) 31, (5)	52 1689
1056	3^2 ; (2) (32)	2 65
1057	3^2 ; 1, 1, 21, 5, 1, 6, 2, 1, 1, 3, 2, 7, 1, 2, 4, 1, 1, 1, (8) 33, 32, 3, 11, 48, 9, 24, 29, 33, 16, 27, 8, 41, 21, 13, 37, 24, 39, (7)	7 37084 02001 32992 239 63733 95685 29407
1058	3^2 ; 1, 1, 8, 1, 3, 1, 3, (32) 34, 31, 7, 47, 14, 41, 17, (2)	40 53146 1318 36323
1059	3^2 ; 1, 1, 5, 2, 2, 2, 1, 2, 3, 1, (31) 35, 30, 11, 25, 23, 21, 35, 22, 15, 49, (2)	1838 68081 59834 86610
1060	3^2 ; 1, 1, 3, 1, 5, 7, (16) 36, 29, 15, 44, 11, 9, (4)	22 64856 737 38369
1061*	3^2 ; 1, 1, 2, 1, 12, 3, 5, 1, 1, 2, 15, 1, 8, 2, 1, 2, (1, 1) 37, 28, 19, 44, 5, 20, 11, 35, 28, 25, 4, 55, 7, 23, 35, 20, (31, 31)	28370 82899 91521 9 24122 86971 11530
1062	3^2 ; 1, 1, 2, 3, (32) 38, 27, 23, 19, (2)	9418 3 06917

TABLE 1001 TO 1500—*continued.*

1063	3^2 ; 1, 1, 1, 1, 10, 3, 1, 2, 1, 6, 1, 1, 21, 4, 1, (31) 39, 26, 27, 37, 6, 17, 39, 18, 43, 9, 31, 34, 3, 13, 51, (2)	5353 15274 12685 1 74532 48310 97224
1064	3^2 ; 1, 1, 1, (1) 40, 25, 31, (28)	21 685
1065	3^2 ; 1, 1, 1, 2, 1, 3, 2, 1, 5, (4) 41, 24, 35, 19, 39, 16, 21, 40, 11, (15)	25 33160 826 67999
1066*	3^2 ; 1, 1, 1, 5, 1, 6, (2, 2) 42, 23, 39, 10, 49, 9, (25, 25)	1 05205 34 34907
1067	3^2 ; 1, (1) 43, (22)	3 98
1068	3^2 ; 1, 2, 7, 1, 5, (16) 44, 21, 8, 49, 11, (4)	3 53094 115 39207
1069*	3^2 ; 1, 2, 3, 1, 1, 21, 4, 3, 5, 7, 12, 1, 15, 2, 2, 1, 3, 1, 1, 1, 4, 1, (4, 4) 45, 20, 17, 29, 36, 3, 15, 19, 12, 9, 5, 57, 4, 27, 20, 39, 15, 36, 25, 37, 12, 45, (13, 13)	186 40986 37841 77726 15285 6094 77590 16096 85726 12782
1070	3^2 ; 1, 2, 2, 5, 1, 1, (12) 46, 19, 26, 11, 31, 34, (5)	90138 29 48491
1071	3^2 ; 1, 2, 1, 1, 1, (6) 47, 18, 35, 25, 38, (9)	880 28799
1072	3^2 ; 1, 2, 1, 6, 1, 1, 8, 1, 4, 1, 1, (3) 48, 17, 44, 9, 32, 33, 7, 49, 12, 33, 31, (16)	1457 20107 47710 81927
1073*	3^2 ; 1, 3, (9, 9) 49, 16, (7, 7)	1385 45368
1074	3^2 ; 1, 3, 2, 1, 1, 2, (32) 50, 15, 23, 31, 30, 25, (2)	1 06476 34 89425
1075	3^2 ; 1, 3, 1, 2, 3, 10, 1, 1, 1, 2, 2, 6, (1) 51, 14, 39, 21, 19, 6, 39, 25, 34, 21, 26, 9, (50)	51504 12729 16 88675 74226
1076	3^2 ; 1, 4, (16) 52, 13, (4)	410 13449
1077	3^2 ; 1, 4, 2, 15, 1, (20) 53, 12, 29, 4, 59, (3)	7 16760 235 22399
1078	3^2 ; 1, (4) 54, (11)	6 197
1079	3^2 ; 1, 5, 1, 1, 2, 2, 4, 3, 1, (1) 55, 10, 35, 29, 22, 25, 14, 17, 35, (26)	54 97325 1805 76876
1080	3^2 ; 1, 6, (3) 56, 9, (20)	161 5291
1081	3^2 ; 1, 7, 4, 3, 1, 6, 1, 1, 5, 2, 3, 1, 12, 2, 1, 1, 1, 21, 3, 2, (2) 57, 8, 15, 16, 45, 9, 33, 32, 11, 27, 15, 48, 5, 24, 33, 25, 40, 3, 19, 24, (23)	8918 12221 87280 07648 2 93215 05610 17151 19615
1082*	3^2 ; 1, 8, 2, 2, 2, (1, 1) 58, 7, 26, 23, 22, (31, 31)	38369 12 62101
1083	3^2 ; 1, (9) 59, (6)	11 362

TABLE 1001 TO 1500—continued.

1084	3 ² ; 1, 12, 5, 2, 2, 3, 2, 6, 1, 7, 2, 1, 2, 1, 3, 1, 1, 1, 21, 3, 4, (16) 60, 5, 12, 25, 24, 17, 27, 9, 51, 8, 23, 36, 19, 40, 15, 37, 24, 41, 3, 20, 15, (4)	8 17041 27029 09269 93200 269 00393 64204 05379 19999
1085	3 ² ; 1, 15, (2) 61, 4, (31)	544 17919
1086	3 ² ; 1, (20) 62, (3)	22 725
1087	3 ² ; 1, (31) 63, (2)	33 1088
1088	3 ² ; (1) (64)	1 33
1090*	33; (66) (1)	1 33
1091	33; (33) (2)	33 1090
1092	33; (22) (3)	22 727
1093*	33; 16, (1, 1) 4, (33, 33)	545 18018
1094	33; 13, 4, 1, 1, 1, 5, 2, 1, 2, 3, 9, 6, 1, 1, (32) 5, 14, 37, 25, 38, 11, 23, 35, 22, 19, 7, 10, 31, 35, (2)	45043 80474 67914 14 89854 05815 38085
1095	33; (11) (6)	11 364
1096	33; 9, 2, 3, 1, (15) 7, 28, 15, 49, (4)	1 19595 39 59299
1097*	33; 8, 3, 1, 3, 2, 1, (1, 1) 8, 17, 41, 16, 23, 32, (29, 29)	6 34621 210 19276
1098	33; 7, 2, 1, (6) 9, 22, 41, (9)	3564 1 18097
1099	33; 6, 1, 1, 1, 1, 2, 21, 1, 2, 1, 1, 6, 1, (3) 10, 37, 27, 30, 31, 25, 3, 46, 19, 30, 35, 9, 47, (14)	4 80575 45715 159 31638 15326
1100	33; (6) (11)	6 199
1101	33; 5, 1, 1, 16, (22) 12, 31, 35, 4, (3)	7 32732 243 13015
1102	33; 5, 10, 1, 6, (2) 13, 6, 53, 9, (29)	3 42882 113 82443
1103	33; 4, 1, 2, 1, 2, 3, 1, 1, 5, 2, 9, (33) 14, 41, 19, 37, 22, 17, 31, 34, 11, 29, 7, (2)	7 06456 11145 234 62427 45024
1104	33; 4, 2, (2) 15, 25, (23)	234 7775
1105*	33; 4, (7, 7) 16, (9, 9)	857 28488

TABLE 1001 TO 1500—continued.

1106	33; 3, 1, (8) 17, 46, (7)	152 5055
1107	33; 3, 1, 2, 7, (33) 18, 37, 23, 9, (2)	2 18295 72 63026
1108	33; 3, 2, 21, 1, 3, 4, 1, 6, 1, 1, 2, 2, 1, 3, 2, 5, 9, 3, (16) 19, 28, 3, 49, 16, 13, 48, 9, 36, 29, 23, 21, 39, 16, 27, 12, 7, 21, (4)	4781 20058 69390 13510 1 59150 07379 89804 75849
1109*	33; 3, 3, 5, 1, 3, 13, 16, 1, 1, 2, 1, 4, (2, 2) 20, 19, 11, 44, 17, 5, 4, 37, 29, 20, 41, 13, (25, 25)	1832 35957 38617 61020 60015 42610
1110	33; 3, (6) 21, (10)	60 1999
1111	33; (3) (22)	3 100
1112	33; 2, 1, (7) 23, 41, (8)	75 2501
1113	33; 2, 1, 3, 3, 1, (8) 24, 37, 17, 16, 47, (7)	21056 7 02463
1114*	33; 2, 1, 1, 1, 8, 1, 10, 4, 2, 1, 3, 1, 3, 7, 6, (1, 1) 25, 33, 26, 39, 7, 55, 6, 15, 22, 39, 15, 42, 17, 9, 10, (33, 33)	18311 57471 56745 6 11178 81032 02293
1115	33; 2, 1, 1, 4, 5, 1, (5) 26, 29, 35, 14, 11, 49, (10)	1 36565 45 60126
1116	33; 2, 2, 5, 1, 2, (16) 27, 25, 11, 40, 23, (4)	1 38320 46 20799
1117*	33; 2, 2, 1, 2, 5, 4, 1, 21, 2, 9, 16, 1, 1, 1, 1, 6, 1, 4, 1, (2, 2) 28, 21, 36, 23, 12, 13, 52, 3, 31, 7, 4, 39, 27, 28, 37, 9, 49, 12, 41, (21, 21)	6272 59559 53855 43645 2 09639 86690 78245 41118
1118	33; 2, 3, (2) 29, 17, (26)	126 4213
1119	33; 2, 4, 1, 1, 1, 6, (22) 30, 13, 38, 25, 39, 10, (3)	9 46364 316 57255
1120	33; 2, 6, 1, (15) 31, 9, 55, (4)	3765 1 26001
1121	33; 2, 12, 1, 8, 1, 1, 1, 3, 1, 1, 7, 1, 4, 3, 1, (2) 32, 5, 56, 7, 40, 25, 37, 16, 31, 35, 8, 49, 13, 17, 40, (19)	453 93975 58620 15198 51043 64951
1122	33; (2) (33)	2 67
1123	33; 1, 1, 21, 1, 5, 7, 3, 1, 1, 2, 2, 10, 1, 3, (33) 34, 33, 3, 54, 11, 9, 18, 33, 31, 22, 27, 6, 47, 17, (2)	49257 11232 14799 16 50664 55626 32482
1124	33; 1, 1, 9, 13, 3, 3, 1, 1, 1, 1, 1, 2, (16) 35, 32, 7, 5, 20, 17, 35, 28, 31, 29, 32, 25, (4)	6 74757 87740 226 22006 30049
1125	33; 1, 1, 5, 1, 1, 2, 7, 16, 1, 1, 1, 2, 1, (6) 36, 31, 11, 36, 29, 25, 9, 4, 41, 25, 36, 19, 44, (9)	5 16002 91864 173 07264 04001
1126	33; 1, 1, 3, 1, (32) 37, 30, 15, 51, (2)	2718 91205

TABLE 1001 TO 1500—continued.

1127	33; 1, 1, 3, (33) 38, 29, 19, (2)	1645 55224
1128	33; 1, 1, 2, (2) 39, 28, 23, (24)	70 2351
1129*	33; 1, (1, 1) 40, (27, 27)	5 168
1130*	33; 1, 1, (1, 1) 41, 26, (31, 31)	13 437
1131	33; 1, 1, 1, 2, 2, 1, 1, (4) 42, 25, 35, 22, 23, 30, 35, (13)	10948 3 68185
1132	33; 1, 1, 1, 4, 1, 1, 21, 1, 7, 2, 5, 7, 3, 2, 2, (16) 43, 24, 39, 13, 31, 36, 3, 57, 8, 29, 12, 9, 19, 24, 27, (4)	1 18654 94862 36362 38 23944 35058 85447
1133	33; 1, 1, 1, 16, (6) 44, 23, 43, 4, (11)	15300 5 14999
1134	33; 1, 2, 13, 7, 2, 2, (4) 45, 22, 5, 9, 26, 25, (14)	107 52040 3620 74049
1135	33; 1, 2, 4, 2, 10, 1, 3, 1, 1, 2, 1, 1, 1, 6, 1, (5) 46, 21, 14, 29, 6, 49, 15, 34, 31, 21, 35, 26, 39, 9, 51, (10)	31 50736 19505 1061 47549 56124
1136	33; 1, 2, 2, 1, 1, 2, 9, (4) 47, 20, 23, 32, 31, 25, 7, (16)	7 18620 242 20799
1137	33; 1, 2, 1, 1, 3, 2, 1, 1, 7, 1, 5, 4, (22) 48, 19, 32, 33, 17, 24, 29, 37, 8, 51, 11, 16, (3)	1 92906 26292 65 04689 34487
1138*	33; 1, 2, 1, 3, 4, (1, 1) 49, 18, 41, 17, 14, (33, 33)	10337 3 48711
1139	33; 1, (2) 50, (17)	4 135
1140	33; 1, 3, (4) 51, 16, (15)	72 2431
1141	33; 1, 3, 1, 1, 12, 1, 21, 1, 1, 2, 5, 4, 3, 7, 5, 16, 1, 2, 3, 1, 1, 1, 2, 52, 15, 31, 36, 5, 60, 3, 39, 28, 25, 12, 15, 20, 9, 13, 4, 45, 21, 17, 36, 27, 35, 20, 1, 2, 1, 4, 1, (8) 39, 19, 43, 12, 51, (7)	3 06933 85322 76565 71973 97208 103 67823 94157 22396 32371 25215
1142	33; 1, 3, 1, 5, 2, 1, 8, 1, (32) 53, 14, 47, 11, 22, 43, 7, 59, (2)	268 28010 9066 12101
1143	33; 1, 4, 4, 1, 1, 1, 2, (3) 54, 13, 14, 37, 27, 34, 23, (18)	1 39925 47 30624
1144	33; 1, 4, 1, 1, 1, 6, (1) 55, 12, 39, 25, 40, 9, (52)	16611 5 61835
1145*	33; 1, (5, 5) 56, (11, 11)	37 1252
1146	33; 1, 5, 1, 3, 1, 1, 1, (10) 57, 10, 47, 15, 38, 25, 41, (6)	1 01840 34 47551

TABLE 1001 TO 1500—*continued*.

1147	33; 1, 6, 1, 1, 5, 1, 1, 1, 1, 1, 21, (1) 58, 9, 34, 33, 11, 38, 27, 33, 26, 41, 3, (62)	2789 45403 94471 52318
1148	33; 1, 7, 2, (16) 59, 8, 31, (4)	4896 1 65887
1149	33; 1, 8, 1, 2, 3, (22) 60, 7, 44, 21, 20, (3)	2 12624 72 07295
1150	33; 1, 10, 3, 7, 4, 1, 2, (2) 61, 6, 21, 9, 14, 41, 21, (25)	349 25592 11843 84449
1151	33; 1, 12, 1, 1, 2, 2, 3, 6, 2, (33) 62, 5, 38, 29, 23, 25, 19, 10, 31, (2)	19426 07807 6 59056 71840
1152	33; 1, (15) 63, (4)	17 577
1153*	33; 1, 21, 1, 1, 1, 6, 1, 7, 1, 1, 1, 1, 2, 4, 1, 5, 2, 1, 3, (1, 1) 64, 3, 43, 24, 41, 9, 53, 8, 39, 27, 32, 29, 33, 24, 13, 48, 11, 23, 39, 16, (33, 33)	3 01789 02568 75073 102 47504 00230 72656
1154	33; 1, (32) 65, (2)	34 1155
1155	33; (1) (66)	1 34
1157*	34; (68) (1)	1 34
1158	34; (34) (2)	34 1157
1159	34; 22, 1, 2, 7, 4, 2, 2, 13, 4, 1, 3, 1, (2) 3, 45, 22, 9, 15, 25, 27, 5, 14, 45, 15, 42, (19)	4902 89385 75180 1 66914 55514 24551
1160	34; (17) (4)	17 579
1161	34; 13, 1, 1, 1, 1, 1, 2, 8, 7, 2, 4, 1, 3, (2) 5, 40, 27, 31, 32, 25, 8, 9, 29, 13, 45, 16, (27)	56 21214 40972 1915 34168 54935
1162	34; 11, 2, 1, 6, 1, (8) 6, 23, 42, 9, 54, (7)	6 63462 226 16173
1163	34; 9, 1, 2, 1, 2, 4, 1, 1, (33) 7, 46, 19, 38, 23, 14, 31, 37, (2)	369 56541 12603 21002
1164	34; 8, 1, 1, (16) 8, 33, 35, (4)	4930 1 68199
1165*	34; 7, 1, 1, 3, 16, 1, 3, 1, (1, 1) 9, 36, 31, 19, 4, 51, 15, 36, (29, 29)	867 20773 29599 61778
1166	34; 6, 1, 4, 2, 1, 1, 9, (6) 10, 49, 13, 25, 29, 38, 7, (11)	193 40870 6604 27701
1167	34; 6, 5, (11) 11, 13, (6)	10943 3 73828
1168	34; 5, 1, 2, 7, (4) 12, 41, 23, 9, (16)	66750 22 81249

TABLE 1001 TO 1500—*continued.*

1169	34; 5, 4, 13, 2, 3, 1, 1, 5, 1, 1, 1, 7, 1, (8) 13, 16, 5, 29, 17, 32, 35, 11, 40, 25, 41, 8, 55, (7)	538 84918 28064 18423 59949 83935
1170	34; 4, 1, (6) 14, 49, (9)	190 6499
1171	34; 4, 1, 1, 4, 1, 2, 2, 3, 1, 1, 1, 1, (33) 15, 33, 34, 13, 42, 21, 26, 17, 35, 30, 27, 41, (2)	15274 30263 5 22684 76130
1172	34; 4, 3, 1, 3, 1, 1, (16) 16, 17, 43, 16, 31, 37, (4)	3 59890 123 20649
1173	34; (4) (17)	4 137
1174	34; 3, 1, 3, 1, 4, 2, 13, 3, 1, 22, 11, 2, 1, 1, 1, 6, 4, 2, 2, 1, 1, 7, (34) 18, 43, 15, 46, 13, 30, 5, 17, 50, 3, 6, 25, 34, 27, 39, 10, 15, 26, 23, 30, 37, 9, (2)	1363 67209 12136 61406 74774 46724 42879 20656 93035 91365
1175	34; 3, 1, 1, 2, 5, (1) 19, 34, 31, 25, 11, (50)	12901 4 42224
1176	34; 3, 2, (2) 20, 25, (24)	140 4801
1177	34; 3, 3, 1, 22, 9, 1, 3, 7, 2, 1, 2, 1, 1, 2, 2, 2, 8, (6) 21, 16, 51, 3, 7, 48, 17, 9, 24, 37, 21, 33, 32, 23, 24, 27, 8, (11)	276 38354 60657 78460 9482 01015 39044 75351
1178	34; 3, 9, (2) 22, 7, (31)	1736 59583
1179	34; 2, 1, (33) 23, 45, (2)	309 10610
1180	34; 2, 1, 5, 1, 1, 2, 1, (2) 24, 41, 11, 36, 31, 21, 39, (20)	58950 20 24999
1181*	34; 2, 1, 2, 1, 3, 3, 5, 1, 16, 2, 1, (13, 13) 25, 37, 20, 41, 17, 20, 11, 55, 4, 23, 44, (5, 5)	35 62788 38045 1224 37647 36718
1182	34; 2, 1, 1, 1, 2, 2, 1, 2, 1, (10) 26, 33, 29, 34, 23, 22, 39, 19, 47, (6)	7 92682 272 52587
1183	34; 2, 1, 1, 7, 22, 1, (3) 27, 29, 38, 9, 3, 53, (14)	37 96401 1305 76328
1184	34; 2, 2, 3, 1, 9, (17) 28, 25, 16, 49, 7, (4)	7 95285 273 65201
1185	34; 2, 2, 1, 3, 1, 1, 2, 3, (4) 29, 21, 41, 16, 35, 31, 24, 19, (15)	12 03200 414 18751
1186	34; 2, 3, 1, 1, 4, (34) 30, 17, 33, 34, 15, (2)	1 83522 63 20195
1187	34; 2, 4, 1, 4, 9, 1, 1, 1, 2, 1, (33) 31, 13, 47, 14, 7, 41, 26, 37, 19, 49, (2)	11347 43775 3 90951 75626
1188	34; 2, 7, (6) 32, 9, (11)	1410 48599
1189*	34; 2, 13, 3, 2, 1, 2, 16, 1, 6, 1, 2, (1, 1) 33, 5, 20, 23, 36, 25, 4, 57, 9, 45, 20, (33, 33)	24 58219 58945 847 64031 17418

TABLE 1001 TO 1500—*continued.*

1190	34; (2) (34)	2 69
1191	34; 1, 1, (22) 35, 34, (3)	92 3175
1192	34; 1, 1, 9, 2, 1, 3, 2, 1, 1, 1, 1, 7, (17) 36, 33, 7, 24, 39, 17, 24, 33, 31, 28, 39, 9, (4)	97167 39825 33 54738 72499
1193*	34; 1, 1, 5, 1, 3, 2, 8, (5, 5) 37, 32, 11, 47, 16, 29, 8, (13, 13)	247 53805 8549 92268
1194	34; 1, 1, 4, 9, 1, 1, 1, 6, 3, 1, (10) 38, 31, 15, 7, 42, 25, 41, 10, 17, 49, (6)	6264 76750 2 16474 68749
1195	34; 1, 1, 3, 7, 2, 1, 1, 10, 1, (12) 39, 30, 19, 9, 26, 29, 39, 6, 59, (5)	1345 16232 46500 60959
1196	34; 1, 1, (2) 40, 29, (23)	12 415
1197	34; 1, 1, 2, 16, 1, (8) 41, 28, 27, 4, 59, (7)	74820 25 88599
1198	34; 1, 1, 1, 1, 2, 1, 2, 3, 2, 11, 9, 1, 4, 22, 1, 6, 1, 2, 1, 3, 3, (34) 42, 27, 31, 34, 21, 38, 23, 18, 29, 6, 7, 51, 14, 3, 58, 9, 46, 19, 42, 17, 21, (2)	1 21525 49298 36463 16460 42 06256 96350 23592 51599
1199	34; 1, 1, 1, 2, 9, 1, 1, 13, (3) 43, 26, 35, 25, 7, 34, 35, 5, (22)	143 75599 4977 77820
1200	34; 1, 1, 1, (3) 44, 25, 39, (16)	39 1351
1201*	34; 1, 1, 1, 9, 4, 4, 2, 1, 1, 1, 7, 13, 1, 2, 1, 2, 1, 1, 4, 22, 1, 7, 1, 45, 24, 43, 7, 16, 15, 24, 35, 27, 40, 9, 5, 48, 19, 40, 21, 32, 35, 15, 3, 59, 8, 45, 2, (2, 2) 21, (25, 25)	71 85416 85609 44230 77385 2490 13832 32746 50571 44832
1202	34; 1, 2, (34) 46, 23, (2)	312 10817
1203	34; 1, 2, 5, 1, (33) 47, 22, 11, 57, (2)	12521 4 34282
1204	34; 1, 2, 3, 7, 2, 2, 3, 4, 22, 1, (8) 48, 21, 20, 9, 27, 25, 19, 16, 3, 60, (7)	16 95565 54116 588 33925 37695
1205	34; 1, 2, 2, 16, 1, (12) 49, 20, 29, 4, 61, (5)	2 06668 71 74089
1206	34; 1, 2, 1, 2, (34) 50, 19, 38, 25, (2)	4202 1 45925
1207	34; 1, 2, 1, 6, 1, (33) 51, 18, 47, 9, 59, (2)	33387 11 59928
1208	34; 1, 3, 9, 1, 2, (8) 52, 17, 7, 44, 23, (8)	1 23046 42 76623
1209	34; 1, 3, 2, 1, 3, 2, 1, 1, (22) 53, 16, 23, 40, 17, 25, 29, 40, (3)	16 40156 570 29335

TABLE 1001 TO 1500—*continued.*

1210	34; 1, 3, 1, 1, 1, 7, 11, 2, (6) 54, 15, 39, 26, 41, 9, 6, 31, (10)	430 99524 14992 19281
1211	34; 1, (3) 55, (14)	5 174
1212	34; 1, 4, 2, 1, 2, 2, 1, (16) 56, 13, 24, 37, 23, 21, 47, (4)	3 65980 127 41151
1213*	34; 1, 4, 1, 4, 1, 1, 9, (2, 2) 57, 12, 49, 13, 33, 36, 7, (27, 27)	20 27117 706 00734
1214	34; 1, 5, 2, 1, 6, 3, 1, 1, 13, 2, 1, 2, 2, (34) 58, 11, 23, 43, 10, 19, 31, 38, 5, 25, 37, 22, 29, (2)	209 94702 60104 7315 07983 74975
1215	34; 1, (5) 59, (10)	7 244
1216	34; 1, 6, 1, 3, 4, 2, 1, 1, 4, (17) 60, 9, 48, 17, 15, 25, 31, 36, 15, (4)	1916 03685 66814 48801
1217*	34; 1, 7, 1, 2, 1, 3, 1, 1, 1, (1, 1) 61, 8, 47, 19, 43, 16, 37, 29, 32, (31, 31)	7 91969 276 28256
1218	34; 1, (8) 62, (7)	10 349
1219	34; 1, 10, 1, 1, 1, 7, 9, 1, 5, 2, 4, 5, 6, 1, 3, (1) 63, 6, 43, 25, 42, 9, 7, 54, 11, 29, 15, 13, 10, 49, 15, (46)	76791 47002 95135 26 81111 24548 55326
1220	34; 1, (12) 64, (5)	14 489
1221	34; 1, 16, (2) 65, 4, (33)	612 21385
1222	34; 1, 22, 3, 7, 2, 3, 1, 1, 1, 4, 2, 1, (4) 66, 3, 22, 9, 29, 17, 38, 27, 39, 14, 23, 42, (13)	22 12495 24122 773 42454 09507
1223	34; 1, (33) 67, (2)	35 1224
1224	34; (1) (68)	1 35
1226*	35; (70) (1)	1 35
1227	35; (35) (2)	35 1226
1228	35; 23, 2, 1, 7, 8, 1, 1, 1, 2, 2, 1, 1, 5, 3, 1, (16) 3, 24, 43, 9, 8, 41, 27, 36, 23, 24, 31, 37, 12, 17, 51, (4)	44730 59716 99506 15 67486 75428 71047
1229*	35; 17, (1, 1) 4, (35, 35)	613 21490
1230	35; (14) (5)	14 491
1231	35; 11, 1, 2, 7, 2, 4, 1, 13, 4, 1, 1, 1, 1, 6, 2, 2, 4, 3, 1, 2, 23, (35) 6, 45, 23, 9, 30, 13, 54, 5, 15, 37, 30, 29, 39, 10, 27, 26, 15, 18, 39, 25, 3, (2)	584 79034 52350 15227 51177 20517 72574 24010 98134 87200

TABLE 1001 TO 1500—continued.

1232	35; (10) (7)	10 351
1233	35; 8, 1, 3, 4, 7, 1, 1, 2, 6, 9, 1, (6) 8, 49, 17, 16, 9, 37, 32, 19, 11, 7, 56, (9)	210 76306 89984 7400 75542 46657
1234	35; 7, 1, 3, 1, 4, 4, 2, 9, 1, 1, 2, 3, 1, 1, (34) 9, 50, 15, 47, 14, 15, 30, 7, 39, 30, 25, 18, 31, 39, (2)	1669 10230 73856 58632 78690 67265
1235	35; (7) (10)	7 246
1236	35; 6, 2, 1, 1, 1, 4, 1, 3, 1, 1, 2, 1, (22) 11, 25, 35, 28, 39, 13, 47, 16, 35, 33, 20, 49, (3)	18261 82722 6 42027 25495
1237*	35; 5, 1, 5, 1, 1, 3, 1, 1, 2, 23, 17, 1, 1, 5, 2, 1, (7, 7) 12, 51, 11, 36, 33, 17, 36, 31, 27, 3, 4, 37, 33, 12, 23, 44, (9, 9)	30 80599 95913 30265 1083 47814 40276 61982
1238	35; 5, 2, 1, 1, (34) 13, 26, 29, 41, (2)	25650 9 02501
1239	35; (5) (14)	5 176
1240	35; 4, 1, 2, 7, (2) 15, 41, 24, 9, (31)	24102 8 48719
1241*	35; 4, 2, 1, 1, 3, 8, (1, 1) 16, 25, 32, 35, 19, 8, (35, 35)	9 65005 339 95032
1242	35; 4, 7, 1, 1, (2) 17, 9, 38, 31, (23)	11780 4 15151
1243	35; 3, 1, 9, (3) 18, 49, 7, (22)	4875 1 71874
1244	35; 3, 1, 2, 3, 6, 8, 1, 1, 1, 13, 2, 4, 1, (16) 19, 40, 23, 20, 11, 8, 43, 25, 44, 5, 31, 13, 55, (4)	1616 45760 60360 57013 08077 08799
1245	35; 3, 1, 1, 17, (14) 20, 31, 39, 4, (5)	2 13528 75 34241
1246	35; 3, 2, 1, 7, 6, 1, 13, 3, 1, 5, 1, 1, 1, (34) 21, 22, 45, 9, 10, 57, 5, 18, 47, 11, 42, 25, 45, (2)	1257 54312 87288 44389 66931 48735
1247	35; 3, 5, 9, (1) 22, 13, 7, (58)	26313 9 29188
1248	35; 3, (17) 23, (4)	159 5617
1249*	35; 2, 1, 13, 2, 7, 2, 1, 2, 3, 1, 3, 1, 1, 1, 4, 1, 3, 1, 8, 23, 2, (4, 4) 24, 45, 5, 32, 9, 25, 37, 24, 17, 45, 16, 39, 27, 40, 13, 48, 15, 57, 8, 3, 31, (15, 15)	2 61326 40028 30963 92593 92 35587 03432 90296 88240
1250*	35; 2, 1, 4, 2, 1, (1, 1) 25, 41, 14, 25, 34, (31, 31)	7801 2 75807
1251	35; 2, 1, 2, 2, 2, 5, (35) 26, 37, 23, 25, 27, 13, (2)	21 92943 775 63250
1252	35; 2, 1, 1, 1, 1, 5, 3, 1, 1, 4, 1, 7, 23, 2, 5, 1, (16) 27, 33, 32, 29, 39, 12, 19, 33, 36, 13, 52, 9, 3, 32, 11, 57, (4)	90969 00792 82080 32 18812 08291 34849

TABLE 1001 TO 1500—*continued.*

1253	35; 2, 1, 1, 17, (10) 28, 29, 41, 4, (7)	78320 27 72351
1254	35; 2, 2, 2, 1, (34) 29, 25, 21, 49, (2)	10234 3 62405
1255	35; 2, 2, 1, 7, 6, 3, 4, 1, 2, 1, 11, (14) 30, 21, 46, 9, 11, 21, 14, 45, 19, 49, 6, (5)	87 88466 34708 3113 40025 72889
1256	35; 2, 3, 1, 2, (17) 31, 17, 40, 25, (4)	11075 3 92499
1257	35; 2, 4, 1, (22) 32, 13, 56, (3)	2860 1 01399
1258*	35; 2, 7, 2, (1, 1) 33, 9, 26, (33, 33)	3233 1 14669
1259	35; 2, 13, 1, 2, 3, 2, 1, 1, 5, 1, 6, 4, (35) 34, 5, 47, 22, 19, 25, 31, 38, 11, 53, 10, 17, (2)	313 98432 81069 11140 91438 32810
1260	35; (2) (35)	2 71
1261*	35; 1, 1, 23, 5, 1, 7, 17, 1, 1, 1, 2, 5, (1, 1) 36, 35, 3, 12, 53, 9, 4, 43, 27, 36, 25, 12, (35, 35)	694 50461 60725 24662 24909 57682
1262	35; 1, 1, 9, 1, 1, 1, 4, 1, 4, 3, 1, (34) 37, 34, 7, 43, 26, 41, 13, 49, 14, 17, 53, (2)	17412 04708 6 18556 69263
1263	35; 1, 1, 5, 1, (22) 38, 33, 11, 58, (3)	4004 1 42297
1264	35; 1, 1, 4, (4) 39, 32, 15, (16)	360 12799
1265	35; 1, 1, 3, 4, (6) 40, 31, 19, 16, (11)	5820 2 06999
1266	35; 1, 1, 2, 1, 1, 2, 3, 1, 3, 1, (34) 41, 30, 23, 34, 33, 25, 17, 46, 15, 55, (2)	149 86708 5332 40465
1267	35; 1, 1, 2, 7, 1, 1, 23, (5) 42, 29, 27, 9, 34, 37, 3, (14)	175 73127 6255 14462
1268	35; 1, 1, 1, 1, 3, 1, 5, 1, 2, 4, 9, 1, (16) 43, 28, 31, 37, 16, 49, 11, 44, 23, 16, 7, 61, (4)	69835 99490 24 86789 07849
1269	35; 1, 1, 1, 1, 1, 7, 3, (2) 44, 27, 35, 28, 41, 9, 20, (27)	96264 34 29215
1270	35; 1, 1, 1, 3, 11, 1, 1, 1, 1, 5, 1, 7, (14) 45, 26, 39, 69, 6, 41, 29, 30, 39, 11, 54, 9, (5)	1 63267 43118 58 18371 13691
1271	35; 1, 1, 1, 6, (2) 46, 25, 43, 10, (31)	920 32799
1272	35; 1, (1) 47, (24)	3 107
1273	35; 1, 2, 8, 1, 1, 2, 2, 4, 23, 1, 1, 3, 1, 2, 5, 7, 1, (2) 48, 23, 8, 39, 31, 24, 27, 16, 3, 39, 32, 17, 41, 24, 13, 9, 48, (19)	5 14164 62158 51476 183 44944 08681 34807

TABLE 1001 TO 1500—continued.

1274	35; 1, 2, 3, 1, 6, 2, 1, 2, (2) 49, 22, 17, 49, 10, 25, 38, 23, (26)	15 15720 541 00801
1275	35; 1, 2, 2, (2) 50, 21, 26, (25)	140 4999
1276	35; 1, 2, 1, 1, 2, 2, 2, 7, 1, 1, 9, 1, 2, 13, 1, (16) 51, 20, 35, 33, 24, 25, 28, 9, 35, 36, 7, 45, 24, 5, 63, (4)	931 97427 02580 33291 18543 36799
1277*	35; 1, 2, 1, 3, 2, 5, 17, 1, 2, (6, 6) 52, 19, 44, 17, 29, 13, 4, 47, 23, (11, 11)	40427 42285 14 44679 48482
1278	35; 1, (2) 53, (18)	4 143
1279	35; 1, 3, 4, 1, 1, 13, 1, 3, 23, 1, 1, 2, 2, 1, 5, 1, 3, 1, 11, 7, 1, 6, 3, 54, 17, 15, 33, 38, 5, 51, 18, 3, 41, 30, 25, 22, 45, 11, 50, 15, 53, 6, 9, 55, 10, 19, 1, 1, 1, 1, 1, 2, (35) 37, 30, 33, 31, 34, 27, (2)	7 89404 78828 27783 39935 75041 282 31569 87094 18598 91612 56000
1280	35; 1, 3, 2, (17) 55, 16, 31, (4)	1449 51841
1281	35; 1, 3, 1, 3, 1, 2, 13, 1, (22) 56, 15, 47, 16, 41, 25, 5, 64, (3)	220 81748 7903 29175
1282	35; 1, 4, 7, 1, 3, 9, 1, (34) 57, 14, 9, 49, 18, 7, 63, (2)	952 47138 34103 26403
1283	35; 1, 4, 1, 1, 9, 1, 2, 4, 1, 3, 2, 2, (35) 58, 13, 34, 37, 7, 46, 23, 14, 47, 17, 26, 29, (2)	5 15512 61505 184 65140 88226
1284	35; 1, (4) 59, (12)	6 215
1285*	35; 1, 5, 1, 1, 7, 2, 2, 1, 17, 4, 1, 2, 1, (1, 1) 60, 11, 35, 36, 9, 29, 21, 49, 4, 15, 44, 21, 36, (31, 31)	24 48426 94225 877 68507 57318
1286	35; 1, 6, 5, 2, 1, 2, 13, 1, (34) 61, 10, 13, 25, 37, 26, 5, 65, (2)	7072 64778 2 53631 10565
1287	35; 1, (6) 62, (9)	8 287
1288	35; 1, (7) 63, (8)	9 323
1289*	35; 1, 9, 3, 1, 2, 8, 1, 1, 1, 1, 2, 1, 1, 13, 1, 3, (1, 1) 64, 7, 19, 40, 25, 8, 41, 29, 32, 35, 23, 31, 40, 5, 53, 16, (35, 35)	835 94139 33853 30012 50804 21900
1290	35; 1, (10) 65, (6)	12 431
1291	35; 1, 13, 2, 1, 1, 2, 3, 1, 1, 1, 1, 4, 1, 11, 6, 2, 4, 3, 23, 1, 1, 1, 66, 5, 27, 33, 34, 25, 18, 37, 31, 30, 39, 13, 55, 6, 11, 30, 15, 22, 3, 45, 26, 41, 4, 7, 1, 3, 2, 1, 6, 2, (35) 15, 9, 50, 17, 23, 45, 10, 33, (2)	1974 27745 80291 79860 94899 51267 70936 75339 57910 18687 74456 08410
1292	35; 1, (10) 67, (4)	18 647

TABLE 1001 TO 1500—*continued.*

1293	35; 1, (22) 68, (3)	24 863
1294	35; 1, (34) 69, (2)	36 1295
1295	35; (1) (70)	1 36
1297*	36; (72) (1)	1 36
1298	36; (36) (2)	36 1297
1299	36; (24) (3)	24 865
1300	36; (18) (4)	18 649
1301*	36; 14, 2, (2, 2) 5, 29, (25, 25)	6025 2 17318
1302	36; (12) (6)	12 433
1303	36; 10, 3, 2, 1, 23, 2, 1, 2, 1, 3, 3, 1, 1, 7, 2, 5, 11, 1, 5, 1, 1, 1, 4, 7, 21, 22, 49, 3, 26, 39, 21, 43, 18, 19, 33, 38, 9, 31, 13, 6, 57, 11, 42, 27, 41, 14, 1, 1, (35) 33, 39, (2)	10127 26314 51893 46887 71461 3 65564 74232 60608 71132 28808
1304	36; (9) (8)	9 325
1305	36; (8) (9)	8 289
1306*	36; 7, 4, 1, 2, 11, 1, 2, 4, 2, 9, 1, (7, 7) 10, 15, 42, 25, 6, 47, 23, 15, 31, 7, 58, (9, 9)	862 68151 05389 31176 12101 50515
1307	36; 6, 1, 1, 3, 1, 2, 1, 1, (35) 11, 37, 34, 17, 43, 22, 31, 41, (2)	54 14517 1957 48082
1308	36; (6) (12)	6 217
1309	36; 5, 1, 1, 4, 3, 1, 1, 2, 3, 17, 1, 3, 1, 7, (4) 13, 36, 35, 15, 19, 36, 33, 25, 21, 4, 55, 15, 52, 9, (17)	2219 92217 38044 80317 01740 72265
1310	36; 5, 6, 2, 1, 1, 1, 1, 1, (6) 14, 11, 26, 35, 31, 34, 29, 41, (10)	34 56382 1251 00021
1311	36; 4, 1, 4, 2, (1) 15, 49, 14, 25, (38)	5353 1 93820
1312	36; 4, 1, 1, (17) 16, 33, 39, (4)	1467 53137
1313*	36; (4, 4) (17, 17)	17 616

TABLE 1001 TO 1500—continued.

1314	3^6 ; (4) (18)		4 145
1315	3^6 ; 3, 1, 4, 11, 1, 7, (7) 19, 46, 15, 6, 59, 9, (10)		244 74351 8875 11646
1316	3^6 ; 3, 1, 1, 1, 1, 2, 3, (2) 20, 37, 31, 32, 35, 25, 19, (28)		65508 23 76415
1317	3^6 ; 3, 2, 3, 1, 5, 3, 1, 1, 1, 4, 1, 17, 3, 10, (24) 21, 28, 17, 49, 12, 19, 39, 28, 41, 13, 57, 4, 23, 7, (3)		1 03450 99306 81500 37 54287 70770 93751
1318	3^6 ; 3, 3, 2, 23, 1, 3, 3, 4, 1, 7, 3, 1, 9, 1, 1, 1, 1, 2, 11, 1, 2, 1, 22, 19, 31, 3, 54, 17, 21, 14, 53, 9, 18, 51, 7, 42, 29, 33, 34, 27, 6, 49, 21, 33, 1, 6, (36) 38, 11, (2)		3138 36679 69954 08957 94554 1 13936 11468 26276 81762 76517
1319	3^6 ; 3, 6, 1, 13, 1, 1, 1, (35) 23, 10, 59, 5, 46, 25, 47, (2)		334 01011 12130 59240
1320	3^6 ; (3) (24)		3 109
1321*	3^6 ; 2, 1, 8, 2, 2, 1, 1, 3, 1, 23, 2, 4, 2, 1, 4, 6, 2, 1, 1, 7, 2, (14, 14) 25, 45, 8, 29, 24, 33, 37, 16, 55, 3, 32, 15, 24, 43, 15, 11, 27, 31, 40, 9, 33, (5, 5)		14 70631 38627 19611 69925 534 50926 71539 66127 96432
1322*	3^6 ; 2, 1, 3, 1, (1, 1) 26, 41, 17, 38, (31, 31)		821 29851
1323	3^6 ; 2, 1, 2, 7, 1, 2, (2) 27, 37, 26, 9, 47, 22, (27)		1 00360 36 50401
1324	3^6 ; 2, 1, 1, 2, 2, 3, 4, 1, 1, 3, 1, 2, 1, 2, 5, 1, 2, 3, 8, 1, 3, 1, 28, 33, 35, 24, 27, 20, 15, 36, 35, 17, 44, 21, 40, 25, 12, 45, 23, 21, 8, 53, 15, 56, 23, 2, 6, 7, 1, 13, 1, 2, 10, (18) 3, 33, 11, 9, 60, 5, 47, 24, 7, (4)		42650 12718 55353 72450 38443 74810 15 51902 10838 17312 41819 40987 21799
1325*	3^6 ; (2, 2) (29, 29)		5 182
1326	3^6 ; 2, 2, (2) 30, 25, (26)		70 2549
1327	3^6 ; 2, 2, 1, (35) 31, 21, 51, (2)		1785 65024
1328	3^6 ; 2, 3, 1, (3) 32, 17, 47, (16)		369 13447
1329	3^6 ; 2, 5, 8, 1, 13, 1, 2, 4, 4, 1, 1, 1, 2, 2, 1, 1, 6, (24) 33, 13, 8, 61, 5, 48, 23, 16, 15, 40, 29, 37, 24, 25, 32, 39, 11, (3)		19 32883 59509 34116 704 64145 63882 01495
1330	3^6 ; 2, 7, 1, 1, 1, 1, (4) 34, 9, 41, 30, 31, 39, (14)		34182 12 46589
1331	3^6 ; 2, 14, 10, 2, 1, 4, 1, 1, 6, 1, 2, 1, (35) 35, 5, 7, 25, 43, 14, 35, 37, 10, 49, 19, 53, (2)		273 03781 10727 9961 20370 19890
1332	3^6 ; (2) (36)		2 73

TABLE 1001 TO 1500—continued.

1333	$3^6; 1, 1, 23, 1, 5, 7, 1, 17, 2, 1, 1, 1, 5, (2)$ $37, 36, 3, 59, 12, 9, 61, 4, 27, 36, 29, 41, 12, (31)$	904 20166 84140 38012 64983 82151
1334	$3^6; 1, 1, 9, 1, 13, 1, 2, 2, 1, 1, (2)$ $38, 35, 7, 62, 5, 49, 22, 25, 34, 35, (23)$	864 08256 31559 72095
1335	$3^6; 1, 1, 6, (7)$ $39, 34, 11, (10)$	1235 45124
1336	$3^6; 1, 1, 4, 2, 1, 2, 2, 1, 4, 5, 1, 7, 3, 1, 1, (8)$ $40, 33, 15, 25, 39, 24, 23, 44, 15, 12, 55, 9, 20, 33, 39, (8)$	174 56099 99622 6380 43737 19695
1337	$3^6; 1, 1, 3, 2, 1, 8, 2, 4, (10)$ $41, 32, 19, 23, 47, 8, 31, 16, (7)$	373 97272 13674 31647
1338	$3^6; 1, 1, 2, 1, 2, 10, (12)$ $42, 31, 23, 39, 26, 7, (6)$	4 73194 173 08813
1339	$3^6; 1, 1, 2, 4, 1, (4)$ $43, 30, 27, 14, 51, (13)$	4104 1 50175
1340	$3^6; 1, 1, 1, 1, 6, (18)$ $44, 29, 31, 40, 11, (4)$	19932 7 29631
1341	$3^6; 1, 1, 1, 1, 1, 2, 3, 3, 1, 1, 3, 1, 2, 1, 7, 2, 2, 17, 1, 9, 1, 1, 14, (8)$ $45, 28, 35, 31, 36, 25, 20, 19, 35, 36, 17, 45, 20, 49, 9, 28, 29, 4, 63, 7, 36, 37, 5, (9)$	36359 14354 86763 45320 13 31459 72360 20892 39201
1342	$3^6; 1, 1, 1, (2)$ $46, 27, 39, (22)$	30 1099
1343	$3^6; 1, 1, 1, 4, 1, (35)$ $47, 26, 43, 13, 59, (2)$	10591 3 88128
1344	$3^6; 1, 1, 1, (17)$ $48, 25, 47, (4)$	165 6049
1345	$3^6; 1, 2, (14)$ $49, 24, (5)$	132 4841
1346	$3^6; 1, 2, 4, 1, 9, 1, 2, (36)$ $50, 23, 14, 55, 7, 46, 25, (2)$	92 82362 3405 50115
1347	$3^6; 1, 2, 2, 1, 5, 1, (35)$ $51, 22, 23, 46, 11, 61, (2)$	1 64753 60 46682
1348	$3^6; 1, 2, 1, 1, 23, 1, 9, 1, 1, 7, 1, 1, 1, 2, 1, 5, 2, 1, 1, 5, (18)$ $52, 21, 32, 41, 3, 64, 7, 37, 36, 9, 43, 28, 39, 21, 47, 12, 27, 32, 39, 13, (4)$	56 21145 67828 82376 2063 81035 31297 13793
1349	$3^6; 1, 2, 1, 2, 5, 3, 2, 17, 1, 13, 1, (2)$ $53, 20, 41, 25, 13, 20, 31, 4, 65, 5, 52, (19)$	5 55200 34840 203 91806 65951
1350	$3^6; 1, 2, 1, 7, 2, (2)$ $54, 19, 50, 9, 29, (25)$	12804 4 70449
1351	$3^6; 1, 3, (10)$ $55, 18, (7)$	168 6175
1352	$3^6; 1, 3, 2, 1, (17)$ $56, 17, 23, 49, (4)$	3107 1 14243
1353	$3^6; 1, 3, 1, 1, 1, 1, 2, 1, 8, (2)$ $57, 16, 39, 31, 32, 37, 21, 49, 8, (33)$	11 68536 429 82433

TABLE 1001 TO 1500—continued.

1354*	36; 1, 3, 1, 11, 2, 6, 1, 7, 3, 4, 1, 1, (2, 2) 58, 15, 55, 6, 33, 10, 57, 9, 22, 15, 38, 33, (25, 25)	35 75033 94613 1315 49590 98165
1355	36; 1, 4, 3, 1, 2, (14) 59, 14, 19, 41, 26, (5)	49532 18 23289
1356	36; 1, 4, 1, 2, 8, 1, 5, 1, 4, (18) 60, 13, 44, 25, 8, 57, 11, 52, 15, (4)	5212 98370 1 91962 41799
1357	36; 1, 5, 6, 1, 1, 7, 1, 1, 1, 5, 2, 17, 1, 23, 1, 1, 1, 1, (2) 61, 12, 11, 36, 37, 9, 44, 27, 43, 12, 33, 4, 67, 3, 44, 29, 33, 36, (23)	9 65303 46430 64640 355 59347 94143 72351
1358	36; 1, 5, 1, 2, 2, (36) 62, 11, 47, 22, 31, (2)	81404 29 99823
1359	36; 1, 6, 2, 1, 1, 2, 2, 1, 4, 1, 1, (3) 63, 10, 27, 34, 35, 25, 23, 45, 14, 37, 35, (18)	468 78231 17281 48040
1360	36; 1, 7, 4, 1, (3) 64, 9, 15, 49, (16)	7749 2 85769
1361*	36; 1, 8, 4, 4, 2, 1, 2, 1, 1, 14, 5, 1, (1, 1) 65, 8, 17, 16, 25, 40, 23, 32, 41, 5, 13, 40, (31, 31)	35 93384 58529 1325 66186 45260
1362	36; 1, 9, 1, 1, 3, 1, 4, 2, (36) 66, 7, 39, 34, 17, 49, 14, 33, (2)	371 27048 13701 84257
1363	36; 1, 11, 3, 7, (1) 67, 6, 23, 9, (58)	93495 34 51726
1364	36; 1, 13, 1, 3, 1, 2, (6) 68, 5, 55, 16, 43, 25, (11)	2 87730 106 26551
1365	36; 1, 17, (2) 69, 4, (35)	684 25271
1366	36; 1, 23, 1, 1, 1, 7, 1, 1, 4, 2, 1, 1, 14, 5, 4, 1, 2, 1, 2, 2, 70, 3, 47, 26, 45, 9, 38, 35, 15, 27, 31, 42, 5, 14, 15, 46, 21, 42, 23, 30, 10, 7, 3, 2, 1, 1, 1, 3, 3, 1, 4, 1, 11, 2, (36) 7, 10, 21, 25, 37, 30, 39, 19, 18, 49, 13, 57, 6, 35, (2)	61 98787 91120 98468 23128 64853 64042 2291 03705 28461 89335 14238 95408 99525
1367	36; 1, (35) 71, (2)	37 1368
1368	36; (1) (72)	1 37
1370*	37; (74) (1)	1 37
1371	37; (37) (2)	37 1370
1372	37; 24, 1, 2, 7, 1, 8, 2, 1, 1, 1, 2, 2, 5, 1, 3, (18) 3, 49, 24, 9, 59, 8, 27, 36, 31, 37, 24, 29, 12, 49, 19, (4)	92062 30469 34552 34 10035 48679 27167
1373*	37; 18, (1, 1) 4, (37, 37)	685 25382
1374	37; 14, 1, 4, 2, 1, 3, 4, 1, 2, (24) 5, 57, 14, 25, 42, 19, 15, 43, 26, (3)	41422 89074 15 35443 25045

TABLE 1001 TO 1500—continued.

1375	37; 12, 2, 1, 7, 1, 1, 3, 2, 1, 2, (6) 6, 25, 46, 9, 39, 34, 19, 25, 39, 26, (11)	24090 73932 8 93308 52249
1376	37; 10, 1, 1, 2, 2, 3, 1, (17) 7, 41, 32, 25, 28, 17, 55, (4)	58 37205 2165 28049
1377	37; 9, 3, 1, 3, 1, 7, 2, 5, (4) 8, 19, 47, 16, 53, 9, 32, 13, (17)	11121 62480 4 12700 70401
1378*	37; 8, (4, 4) 9, (17, 17)	1153 42801
1379	37; 7, 2, 2, 2, 1, 1, 3, 3, (10) 10, 29, 26, 25, 34, 37, 19, 22, (7)	678 06016 25179 68895
1380	37; 6, 1, (2) 11, 49, (20)	182 6761
1381*	37; 6, 5, 1, 1, 4, 2, 2, 3, 3, 4, 14, 1, 1, 1, 2, 1, 1, 2, 1, 24, 12, 13, 37, 36, 15, 28, 27, 20, 21, 17, 5, 45, 28, 39, 23, 35, 36, 21, 52, 3, 18, 1, 1, 5, 1, 2, 7, 1, 9, 1, 2, 1, (4, 4) 4, 39, 35, 12, 45, 25, 9, 60, 7, 51, 20, 47, (15, 15)	5 76794 95050 76394 67609 26124 87905 214 34743 40923 77992 50381 97708 76282
1382	37; 5, 1, 2, 2, 1, 1, (36) 13, 46, 23, 26, 31, 43, (2)	3 49782 130 03237
1383	37; 5, 3, 2, 1, (11) 14, 21, 23, 49, (6)	34821 12 94948
1384	37; 4, 1, (17) 15, 57, (4)	465 17299
1385*	37; 4, 1, 1, 1, (3, 3) 16, 41, 29, 40, (19, 19)	2797 1 04092
1386	37; 4, 2, 1, (2) 17, 25, 41, (22)	572 21295
1387	37; 4, 8, (37) 18, 9, (2)	40557 15 10442
1388	37; 3, 1, 9, 1, 8, 2, 2, 5, 3, (18) 19, 52, 7, 61, 8, 29, 28, 13, 23, (4)	2 20986 97686 82 33062 52807
1389	37; 3, 1, 2, 2, (24) 20, 43, 23, 31, (3)	16796 6 25975
1390	37; 3, 1, 1, 6, 4, 1, 4, 1, 1, 11, 1, 7, 2, 1, 2, 1, (6) 21, 34, 39, 11, 15, 51, 14, 35, 39, 6, 61, 9, 26, 41, 21, 49, (10)	6165 38516 07582 2 29862 22854 32981
1391	37; 3, 2, 1, 1, 1, 6, 1, (4) 22, 25, 38, 29, 43, 10, 55, (13)	2 43492 90 81305
1392	37; 3, (4) 23, (16)	42 1567
1393	37; 3, (10) 24, (7)	96 3583
1394	37; 2, 1, (36) 25, 49, (2)	336 12545

TABLE 1001 TO 1500—continued.

1395	37; 2, 1, 6, (8) 26, 45, 11, (9)	3320 1 24001
1396	37; 2, 1, 3, 14, 1, 2, (18) 27, 41, 20, 5, 48, 25, (4)	45 40530 1696 48201
1397	37; 2, 1, 1, 1, 10, 18, 1, 1, 2, (6) 28, 37, 29, 44, 7, 4, 43, 31, 28, (11)	4289 66440 1 60332 48351
1398	37; 2, 1, 1, 3, 2, 1, (36) 29, 33, 38, 19, 23, 51, (2)	1 30154 48 66437
1399	37; 2, 2, 12, 14, 1, 7, 2, 1, 1, 1, 4, 2, 1, 3, 2, 7, 24, 1, 4, (37) 30, 29, 6, 5, 62, 9, 27, 37, 30, 41, 15, 25, 43, 18, 31, 10, 3, 58, 15, (2)	19 32130 14430 04420 15349 722 67866 47899 40453 09640
1400	37; 2, (2) 31, (25)	12 449
1401	37; 2, 3, 14, 1, 2, 5, 2, 2, 1, 1, 6, 4, 1, 1, 8, 1, 4, 10, 2, (24) 32, 21, 5, 49, 24, 13, 29, 25, 33, 40, 11, 16, 35, 39, 8, 55, 15, 7, 35, (3)	44183 34363 33784 97932 16 53779 66015 12296 85015
1402*	37; 2, 3, 1, 9, 1, 11, 1, 1, 2, 1, 7, 1, (1, 1) 33, 17, 54, 7, 63, 6, 41, 33, 22, 49, 9, 42, (31, 31)	2 48379 80029 93 00157 00509
1403	37; 2, 5, 3, (1) 34, 13, 19, (46)	1995 74726
1404	37; 2, 7, 1, (4) 35, 9, 56, (13)	1666 62425
1405	37; 2, (14) 36, (5)	60 2249
1406	37; (2) (37)	2 75
1407	37; 1, 1, (24) 38, 37, (3)	100 3751
1408	37; 1, 1, 10, 4, 1, 1, 2, 7, 1, (17) 39, 36, 7, 16, 39, 33, 28, 9, 63, (4)	3211 01529 1 20487 97377
1409*	37; 1, 1, 6, 3, 9, 14, 1, 9, 1, 3, 1, 3, 1, 1, 1, 1, 1, (2, 2) 40, 35, 11, 23, 8, 5, 64, 7, 55, 16, 49, 17, 40, 31, 35, 32, 37, (25, 25)	94474 40193 46217 35 46252 44206 53380
1410	37; 1, 1, (4) 41, 34, (15)	20 751
1411	37; 1, 1, 3, 2, 4, 1, 1, 3, (37) 42, 33, 19, 30, 15, 38, 35, 21, (2)	118 21953 4440 71330
1412	37; 1, 1, 2, 1, 3, 4, 6, 1, 1, 2, (18) 43, 32, 23, 44, 19, 17, 11, 41, 32, 29, (4)	2703 04352 1 01571 15393
1413	37; 1, 1, 2, 3, 1, 1, 3, 1, 6, 18, 1, 1, 1, 5, (8) 44, 31, 27, 19, 36, 37, 17, 52, 11, 4, 47, 27, 44, 13, (9)	124 23214 30740 4669 87287 31849
1414	37; 1, 1, 1, 1, 11, 1, 14, 8, 3, 2, 5, 2, 1, (4) 45, 30, 31, 43, 6, 65, 5, 9, 21, 30, 13, 25, 45, (14)	485 26483 11810 18247 50630 42299
1415	37; 1, 1, 1, 1, 1, 1, 4, 1, 3, (7) 46, 29, 35, 34, 31, 41, 14, 49, 19, (10)	5 85621 220 29004

TABLE 1001 TO 1500—*continued.*

1416	37; 1, 1, 1, 2, 2, 1, (8) 47, 28, 39, 25, 23, 49, (8)	6858 2 58065
1417*	37; 1, 1, 1, 4, 24, 1, 7, (2, 2) 48, 27, 43, 16, 3, 64, 9, (29, 29)	435 72829 16402 14636
1418*	37; 1, 1, 1, (10, 10) 49, 26, 47, (7, 7)	1033 38899
1419	37; 1, 2, (37) 50, 25, (2)	339 12770
1420	37; 1, 2, 6, 1, 1, (14) 51, 24, 11, 36, 39, (5)	25338 9 54809
1421	37; 1, 2, 3, (2) 52, 23, 20, (29)	260 9801
1422	37; 1, 2, 2, 3, 1, 3, 5, (8) 53, 22, 29, 18, 47, 19, 14, (9)	31 79792 1199 08097
1423	37; 1, 2, 1, 1, 1, 1, 6, 4, 24, 1, 9, 1, 4, 2, 12, 8, 3, 3, 3, 1, 2, (37) 54, 21, 38, 33, 31, 42, 11, 18, 3, 66, 7, 57, 14, 33, 6, 9, 22, 21, 19, 42, 27, (2)	127 24746 01715 56263 96759 4800 11423 18614 76037 04208
1424	37; 1, 2, 1, 3, 1, 2, (4) 55, 20, 47, 17, 44, 25, (16)	13250 5 00001
1425	37; 1, (2) 56, (19)	4 151
1426	37; 1, 3, 4, 1, 3, 1, 1, 1, (2) 57, 18, 15, 50, 17, 41, 30, 39, (23)	2 61132 98 60975
1427	37; 1, 3, 2, 5, 2, 1, 2, 1, 1, 2, (37) 58, 17, 31, 13, 26, 41, 23, 37, 34, 29, (2)	2481 47097 98739 18762
1428	37; 1, 3, 1, (2) 59, 16, 47, (21)	90 3401
1429*	37; 1, 4, 18, 1, (2, 2) 60, 15, 4, 51, (23, 23)	89305 33 75918
1430	37; 1, 4, 2, (2) 61, 14, 29, (26)	352 13311
1431	37; 1, 4, (1) 62, 13, (54)	35 1324
1432	37; 1, 5, 3, 8, 10, 1, 2, 4, (9) 63, 12, 23, 9, 7, 49, 24, 17, (8)	46662 66363 17 65798 05797
1433*	37; 1, 5, 1, 8, 1, 1, 1, 1, 5, 4, (1, 1) 64, 11, 59, 8, 43, 31, 32, 41, 13, 16, (37, 37)	1523 53237 57673 29724
1434	37; 1, 6, 1, 1, 2, 2, 1, 1, 1, 2, 1, 4, 3, (12) 65, 10, 41, 33, 26, 25, 38, 31, 39, 22, 47, 15, 23, (6)	46653 69200 17 66690 98751
1435	37; 1, 7, 2, 3, (7) 66, 9, 31, 21, (10)	26373 9 99046
1436	37; 1, 8, 2, (18) 67, 8, 35, (4)	6840 2 59199

TABLE 1001 TO 1500—continued.

1437	37; 1, 9, 1, 5, 2, 2, 4, 18, 1, 2, 1, 1, 1, (24) 68, 7, 59, 12, 29, 28, 17, 4, 53, 21, 41, 28, 47, (3)	256 83205 64040 9735 93382 10399
1438	37; 1, 11, 1, 1, 1, 7, 1, 3, 3, 24, 1, (36) 69, 6, 47, 27, 46, 9, 53, 18, 23, 3, 71, (2)	42 08945 06064 1596 07281 27743
1439	37; 1, 14, 5, 2, 1, 5, 6, 1, 2, 1, 1, 2, 2, 1, 10, 7, 2, (37) 70, 5, 14, 25, 46, 13, 11, 49, 22, 37, 35, 26, 23, 50, 7, 10, 35, (2)	388 95537 37610 21521 12857 98517 00303 64960
1440	37; 1, (17) 71, (4)	19 721
1441	37; 1, 24, 3, 8, 9, 2, 1, 2, 2, 1, 3, 1, 3, 4, 1, 3, 1, 14, 2, 1, 1, 4, 2, (6) 72, 3, 24, 9, 8, 27, 40, 25, 24, 45, 17, 48, 19, 15, 51, 16, 57, 5, 29, 33, 40, 15, 32, (11)	221 54985 95953 31104 82700 8410 14472 84306 85240 54999
1442	37; 1, (36) 73, (2)	38 1443
1443	37; (1) (74)	1 38
1445*	38; (76) (1)	1 38
1446	38; (38) (2)	38 1445
1447	38; 25, 2, 1, 7, 1, 3, 1, 1, 2, 3, 1, 5, 12, 1, 1, (37) 3, 26, 47, 9, 54, 17, 39, 34, 27, 18, 51, 13, 6, 37, 39, (2)	3 42829 14389 10093 130 41033 17574 21848
1448	38; (19) (4)	19 723
1449	38; 15, 4, 1, 2, 4, (8) 5, 16, 45, 25, 17, (9)	72 84800 2773 01249
1450*	38; 12, 1, 2, (8, 8) 6, 49, 25, (9, 9)	1 01933 38 81493
1451	38; 10, 1, 6, 1, 2, 2, 3, 1, 1, 2, 2, 14, 1, 4, 1, 1, (37) 7, 61, 10, 49, 23, 29, 19, 38, 35, 25, 31, 5, 59, 14, 35, 41, (2)	85340 31566 20707 32 50782 78443 28530
1452	38; 9, 1, 1, (18) 8, 37, 39, (4)	6878 2 62087
1453*	38; 8, 2, 5, 2, 1, 1, 5, 1, 3, 6, 10, 1, 2, 1, 2, 1, 1, 3, 18, 1, 3, 1, 9, 33, 13, 28, 33, 41, 12, 51, 19, 12, 7, 52, 21, 44, 23, 36, 37, 21, 4, 57, 17, 36, 1, 6, 2, 1, 2, (25, 25) 39, 11, 27, 39, 28, (3, 3)	37 58165 73334 54563 77143 54805 1432 54652 50389 34442 96990 99982
1454	38; 7, 1, 1, 1, 1, 2, 2, 4, 15, (38) 10, 43, 31, 34, 37, 25, 29, 17, 5, (2)	96169 61884 36 67077 58095
1455	38; 6, 1, (11) 11, 61, (6)	623 23764
1456	38; 6, 2, 1, 7, 1, (3) 12, 25, 48, 9, 55, (16)	1 29855 49 54951
1457	38; 5, 1, 6, 9, 2, 1, 1, 10, 3, 4, (2) 13, 56, 11, 8, 29, 32, 43, 7, 23, 16, (31)	18 94953 10312 723 31628 36703

TABLE 1001 TO 1500—continued.

1458	38; 5, 2, 3, 1, 3, 1, 2, 1, 1, 7, 1, 10 (38) 14, 31, 18, 49, 17, 46, 23, 34, 41, 9, 62, 7, (2)	78 88890 25540 3012 27540 96401
1459	38; 5, 12, 1, 1, 7, 8, 2, 1, 4, 2, 2, 2, 1, 1, 1, 5, 4, 15, 25, 2, 1, 1, (37) 15, 6, 39, 37, 10, 9, 26, 45, 15, 29, 27, 25, 39, 30, 43, 13, 18, 5, 3, 30, 31, 45, (2)	25694 24820 98124 22872 52281 9 81439 56337 99403 45032 81010
1460	38; 4, 1, 3, 4, 1, 1, (18) 16, 49, 19, 16, 35, 41, (4)	6 25898 239 15529
1461	38; 4, 2, 14, 1, 5, 2, 3, 2, 1, 3, 3, 18, 1, 4, 6, 1, 2, 1, (24) 17, 33, 5, 61, 12, 31, 20, 25, 44, 19, 23, 4, 59, 15, 11, 51, 20, 55, (3)	10897 33506 65845 02228 4 16529 16197 97289 87575
1462	38; 4, (4) 18, (17)	72 2753
1463	38; (4) (19)	4 153
1464	38; 3, 1, 4, 2, 1, (5) 20, 49, 15, 25, 47, (12)	23729 9 07925
1465*	38; 3, 1, 1, 1, 2, 1, 1, 4, 4, 1, 7, 1, 2, (3, 3) 21, 40, 31, 39, 24, 35, 39, 16, 15, 56, 9, 49, 24, (21, 21)	2 14427 21285 82 07269 84932
1466*	38; 3, 2, 7, 4, 2, 1, (2, 2) 22, 31, 10, 17, 26, 41, (25, 25)	40 05185 1533 52043
1467	38; 3, 3, 6, 1, 1, 1, (37) 23, 22, 11, 46, 27, 49, (2)	16 73045 640 80026
1468	38; 3, 5, 1, 1, 3, 2, 25, 9, 1, 1, 5, 1, 6, 8, 2, 1, 2, 1, 1, (18) 24, 13, 39, 36, 19, 33, 3, 8, 39, 37, 12, 57, 11, 9, 27, 41, 24, 33, 43, (4)	18883 73036 64922 35216 7 23520 46281 34792 85247
1469	38; 3, 18, 1, (4) 25, 4, 61, (13)	19836 7 60265
1470	38; 2, 1, (14) 26, 49, (5)	138 5291
1471	38; 2, 1, 4, 1, 4, 3, 2, 4, 12, 1, 1, 3, 1, 2, 1, 6, 1, 14, 2, 8, 25, 27, 45, 14, 53, 15, 21, 30, 17, 6, 41, 35, 18, 47, 21, 51, 10, 63, 5, 35, 9, 3, 2, 4, 1, 1, 1, 1, 1, 10, 2, 1, (37) 34, 15, 42, 31, 37, 30, 45, 7, 25, 51, (2)	1 01712 89163 97276 23871 56715 36737 39 01057 37347 28288 54875 60183 66160
1472	38; 2, 1, (2) 28, 41, (23)	30 1151
1473	38; 2, 1, 1, 1, 2, 1, 2, 2, 9, 5, 1, 3, 1, (24) 29, 37, 32, 39, 23, 43, 24, 31, 8, 13, 53, 16, 59, (3)	6 92736 14220 265 86992 93399
1474	38; 2, 1, 1, 4, 1, 7, 1, 2, 2, 4, 1, 2, 3, 1, 10, 5, (38) 30, 33, 41, 14, 57, 9, 50, 23, 30, 15, 46, 25, 18, 55, 7, 15, (2)	1 43151 08109 79476 54 95957 60507 29745
1475	38; 2, 2, 6, 1, 1, (2) 31, 29, 11, 41, 34, (25)	14628 5 61799
1476	38; 2, 2, 1, 1, 2, 1, 3, (8) 32, 25, 36, 37, 23, 45, 20, (9)	2 18560 83 96801
1477	38; 2, 3, 6, 8, 2, 1, 1, 1, 1, 1, 5, 1, 3, 1, 2, 18, 1, 6, 25, 2, (10) 33, 21, 12, 9, 28, 37, 33, 36, 31, 43, 12, 53, 17, 44, 27, 4, 63, 11, 3, 36, (7)	2 61633 72121 47062 22240 100 55043 78017 41504 36351
1478	38; 2, 4, (38) 34, 17, (2)	3114 1 19717

TABLE 1001 TO 1500—continued.

1479	38; 2, 5, 2, 2, 1, 1, 1, (1) 35, 13, 30, 25, 38, 33, 35, (34)	1 14525 44 04376
1480	38; 2, 8, (19) 36, 9, (4)	5559 2 13859
1481*	38; 2, 14, 1, 8, 1, 2, 5, 1, 1, 2, 1, 4, 10, 1, 3, 1, 1, (1, 1) 37, 5, 65, 8, 49, 25, 13, 40, 35, 23, 47, 16, 7, 56, 17, 41, 32, (35, 35)	1 01945 97513 61405 39 23264 72655 17468
1482	38; (2) (38)	2 77
1483	38; 1, 1, 25, 5, 1, 7, 1, 2, 1, 1, 1, 1, 2, 4, 6, 1, 3, 2, 2, 1, 1, 12, 3, 1, (37) 39, 38, 3, 13, 58, 9, 51, 22, 39, 33, 34, 37, 27, 17, 11, 53, 18, 29, 26, 33, 43, 6, 19, 57, (2)	41 20928 70570 44632 38045 1586 95889 00942 30191 81226
1484	38; 1, 1, (10) 40, 37, (7)	44 1695
1485	38; 1, 1, (6) 41, 36, (11)	28 1079
1486	38; 1, 1, 4, 1, 1, 1, 3, (38) 42, 35, 15, 43, 30, 41, 21, (2)	4 92228 189 74735
1487	38; 1, 1, 3, 1, 1, 3, 1, (37) 43, 34, 19, 37, 38, 17, 59, (2)	2 05495 79 24224
1488	38; 1, 1, 2, 1, (5) 44, 33, 23, 49, (12)	315 12151
1489*	38; 1, 1, 2, 2, 1, 4, 2, 3, 1, (1, 1) 45, 32, 27, 24, 47, 15, 31, 19, 40, (33, 33)	25 78145 994 84332
1490*	38; 1, (1, 1) 46, (31, 31)	5 193
1491	38; 1, 1, 1, 1, 2, 2, (1) 47, 30, 35, 37, 26, 25, (42)	1767 68230
1492	38; 1, 1, 1, 2, 10, 1, 1, 1, (18) 48, 29, 39, 28, 7, 48, 27, 49, (4)	13 56270 523 87849
1493*	38; 1, 1, 1, 3, 2, 2, 18, 1, (10, 10) 49, 28, 43, 19, 28, 31, 4, 67, (7, 7)	1694 41225 65471 00182
1494	38; 1, 1, 1, 7, 15, 5, (38) 50, 27, 47, 10, 5, 25, (2)	440 05214 17009 02565
1495	38; 1, (1) 51, (26)	3 116
1496	38; 1, 2, (9) 52, 25, (8)	87 3365
1497	38; 1, 2, 4, 4, 1, 1, 1, 1, 6, 2, 2, 1, 8, 1, (24) 53, 24, 17, 16, 41, 33, 32, 43, 11, 31, 23, 51, 8, 67, (3)	58 19614 30932 2251 67187 51127
1498	38; 1, 2, 2, 1, 1, 1, 3, 1, 12, 8, 1, 1, (10) 54, 23, 26, 39, 31, 42, 17, 57, 6, 9, 38, 39, (7)	83118 18384 32 17006 59967
1499	38; 1, 2, 1, 1, 7, 5, 1, 4, 1, 2, 3, 1, 2, 1, 1, 2, 10, 1, 2, 15, 6, 1, (37) 55, 22, 35, 41, 10, 13, 55, 14, 47, 25, 19, 46, 23, 38, 35, 29, 7, 49, 26, 5, 11, 65, (2)	77552 05839 43067 80299 30 02576 94656 26953 60610
1500	38; 1, 2, 1, 2, 2, 1, 6, 2, 1, (18) 56, 21, 44, 25, 24, 49, 11, 25, 51, (4)	118 11844 4574 70751

In connexion with the subject we have a paper, "A Table of the Square Roots of Prime Numbers of the form $4m+1$ less than 10000 expanded as Periodic Continued Fractions," by C. A. Roberts, with Introduction and Explanation by Artemas Martin, the *Mathematical Magazine*, vol. II. (No. 7, for October, 1892), pp. 105—120. This extends, in fact, to numbers up to 10501, but only the denominators of the continued fractions (that is, the first lines of Degen's and the present table) are given: thus the entry for 1009 is 31; 1, (3, 3).

The paper just referred to notices errors in Degen's tables for the numbers 853 and 929. For 853 the first line should be

29, 4, 1, 5, 1, 2, 4, 1, 1, 15, 19, (2, 2),

(15 instead of Degen's 14). For 929 the first and second lines should be

30, 2, 11, 1, 2, 3, 2, 7, 5, (2, 2)

1, 29, 5, 40, 19, 16, 25, 8, 11, (23, 23).

The values of x , y in Table I. and those in Table II. (for the solution of $y^2 = ax^2 - 1$) are correct for each of the numbers 853 and 929.