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POLYNOMIAL INVARIANTS OF 2-BRIDGE KNOTS THROUGH 22 CROSSINGS

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ABSTRACT. We calculate the homfly, Kauffman, Jones, Q, and Conway polynomials of 2-bridge knots through 22 crossings and list all the pairs sharing the same polynomial invariants.

1. INTRODUCTION

A simple question for polynomial invariants of knots is: "How many knots do they classify?" Concerning this problem, we made a computer experiment with 2-bridge knots, which are completely classified by Schubert [25]. We calculated the homfly, Kauffman, Jones, Q, and Conway polynomials of 2-bridge knots through 22 crossings, and searched all the pairs of 2-bridge knots having the same polynomial invariants. The total number of the knots is 350,207, where each chiral pair is counted as one knot. If a chiral pair is counted separately, then this amounts to 699,732. The program is written in Turbo Pascal for the NEC PC-9801 Series. In a sequel to this paper, we shall report on 2-bridge links.

The homfly polynomial $P_L \in Z[v^{\pm 1}, z^{\pm 1}]$ [6, 23] of an oriented link L is defined, as in [20], so that

$$v^{-1}P_{L_+} - vP_{L_-} = zP_{L_0},$$

where (L_+, L_-, L_0) is a skein triple. Putting $v = 1$, we get the Conway polynomial $\nabla_L \in Z[z]$ [3] (substituting $(v, z) = (1, t^{1/2} - t^{-1/2})$, we get the Alexander polynomial), and substituting $(v, z) = (t, t^{1/2} - t^{-1/2})$, we get the Jones polynomial $V_L \in Z[t^{\pm 1/2}]$ [8]. These are skein invariants. We refer to [18] for the definitions of skein triple and skein equivalence. The Kauffman polynomial $F_L \in Z[a^{\pm 1}, z^{\pm 1}]$ of an oriented link L is given by $F_L = a^{-w}\Lambda_D$, where Λ_D is the L-polynomial of a diagram D of L and w is the writhe of D. We refer to [13] for the definitions of a writhe and the L-polynomial. Putting $a = 1$, we get the Q polynomial $Q_L \in Z[z^{\pm 1}]$ [1, 7] of an unoriented link $|L|$, and substituting $(a, z) = (-t^{-3/4}, t^{-1/4} + t^{1/4})$, we get the Jones polynomial [16].

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If L is a 2-bridge knot or link, then we have

$$Q_L(z) = 2z^{-1}V_L(t)V_L(t^{-1}) + 1 - 2z^{-1}, \tag{1}$$

where $z = -t - t^{-1}$ [11]. Thus, if we know the Jones polynomial of a 2-bridge knot or link, we can deduce the Q polynomial. In an early computer calculation of the polynomial invariants of 2-bridge knots and links, we found many pairs of 2-bridge knots and links with the same Q polynomial but distinct Jones polynomial, except for a reflection such as right- and left-handed trefoils. This has been generalized to the following theorem in [12]:

For any positive integer N, there exist N sets of 2^N 2-bridge knots S_1, $S_2, \dots, S_N$ with $S_i = \{K_{i1}, K_{i2}, \dots, K_{i\,2^N}\}$ such that: all the knots in $\bigcup_{i=1}^N S_i$ have the same Q and Conway polynomials; all the knots in each S_i are skein equivalent; and all the knots $K_{11}, K_{21}, \dots, K_{N1}$ have mutually distinct Jones polynomials.

In addition, we observe the following for 2-bridge knots through 22 crossings:

Fact 1. *$P_K(v, z) = P_{K'}(v, z)$ if and only if $V_K(t) = V_{K'}(t)$ and $\nabla_K(z) = \nabla_{K'}(z)$.*

Fact 2. *K is amphichiral if and only if $V_K(t) = V_K(t^{-1})$ (or $P_K(v, z) = P_K(v^{-1}, z)$).*

Fact 3. *The number of knots having the same homfly or Kauffman polynomial is at most two.*

Regarding Fact 3, we can construct the following examples:

(i) Arbitrarily many 2-bridge knots with the same Jones polynomial ([9, Theorem 6]).

(ii) Arbitrarily many fibred, amphichiral, skein equivalent 2-bridge knots ([10, Theorem 1]).

(iii) A pair of fibred, amphichiral, skein equivalent 2-bridge knots with the same Kauffman polynomial ([10, Theorem 4]).

(iv) A pair of 2-bridge knots with the same Kauffman polynomial but distinct Alexander polynomials ([10, Theorem 5]).

Note that (ii) above does not necessarily include (i) because the 2-bridge knots constructed in (i) may have distinct Conway polynomials. For the Kauffman polynomial we shall give an example similar to (i) in a forthcoming paper.

2. Formulas

Let S_1 and S_2 be the elementary braids generating the 3-braid group as shown in Figure 1.

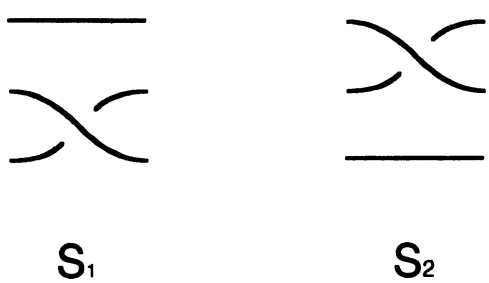

Figure 1

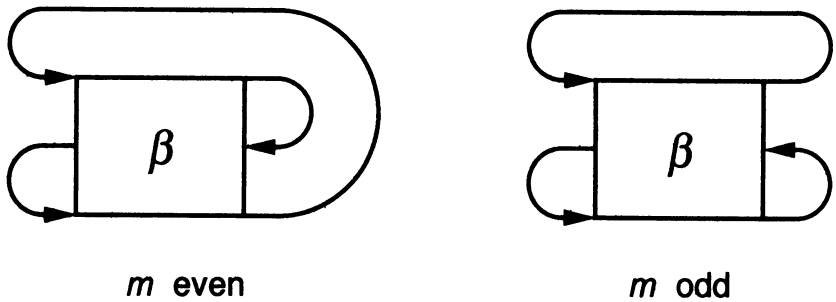

FIGURE 2

Let $D(b_1, b_2, \dots, b_m)$ be the oriented 2-bridge knot (m is even) or link (m is odd) with the corresponding diagram as shown in Figure 2. There, β is the 3-braid either $S_2^{2b_1}S_1^{-2b_2}\cdots S_1^{-2b_m}$ or $S_2^{2b_1}S_1^{-2b_2}\cdots S_2^{2b_m}$ depending on whether m is even or odd. Any 2-bridge knot or link can be put in this form.

Let $P(b_1, b_2, \dots, b_m)$, $V(b_1, b_2, \dots, b_m)$, $\nabla(b_1, b_2, \dots, b_m)$, $\Lambda(b_1, b_2, \dots, b_m)$, and $F(b_1, b_2, \dots, b_m)$ be the homfly, Jones, Conway, L, and Kauffman polynomials of $D(b_1, b_2, \dots, b_m)$, respectively.

Proposition 1 ([18, Proposition 14]). *There holds*

$$P(b_1, b_2, \dots, b_m) = (1, \mu)M(-b_1)M(b_2)\cdots M((-1)^m b_m)\begin{pmatrix}1\\0\end{pmatrix},$$

where

$$M(b) = \begin{pmatrix}(1-v^{2b})\mu^{-1} & 1\\ v^{2b} & 0\end{pmatrix}, \qquad \mu = (v^{-1}-v)z^{-1}.$$

From this proposition, we have

Proposition 2 ([18, p.128]). *There holds*

$$\nabla(b_1, b_2, \dots, b_m) = (1, 0)N(-b_1)N(b_2)\cdots N((-1)^m b_m)\begin{pmatrix}1\\0\end{pmatrix},$$

where

$$N(b) = \begin{pmatrix}bz & 1\\ 1 & 0\end{pmatrix}.$$

Proposition 3 (cf. [26]). *Let* $\nabla_{-1} = 0$, $\nabla_0 = 1$, *and* $\nabla_m = \nabla(b_1, b_2, \dots, b_m)$ *for* $m \geq 1$. *Then*

$$\nabla_m = (-1)^m b_m z \nabla_{m-1} + \nabla_{m-2}$$

for $m \geq 1$.

Therefore, if $b_i \neq 0$ for any i, then we have

$$\deg \nabla_m = m \tag{2}$$

for $m \geq 1$, and so the genus of $D(b_1, b_2, \dots, b_m)$ is either $m/2$ or $(m-1)/2$ according as m is even or odd [4, 21].

Proposition 4 ([17, Theorem 5]). *There holds*

$$\Lambda(b_1, b_2, \dots, b_m) = (1, a^{-1}, d)ST^{2b_1-1}ST^{-2b_2-1}S\cdots ST^{(-1)^{m-1}2b_m-1}\begin{pmatrix}1\\0\\0\end{pmatrix},$$

where $d = (a+a^{-1})z^{-1} - 1$,

$$S = \begin{pmatrix}0 & 0 & a\\1 & 0 & 0\\0 & 1 & 0\end{pmatrix} \text{ and } T = \begin{pmatrix}z & 1 & 0\\-1 & 0 & 0\\z & 0 & a\end{pmatrix},$$

and so

$$F(b_1, b_2, \dots, b_m) = a^{-w}\Lambda(b_1, b_2, \dots, b_m),$$

where $w = 2(-b_1 + b_2 - \cdots + (-1)^m b_m)$.

3. Computational process

Step 1. Enumeration. We denote by $C(a_1, a_2, \dots, a_k)$ the unoriented 4-plat (or the unoriented diagram according to the context) as shown in Figure 3, where α is the 3-braid either $S_2^{a_1}S_1^{-a_1}\cdots S_1^{-a_k}$ or $S_2^{a_1}S_1^{-a_2}\cdots S_2^{a_k}$ according as k is even or odd.

An unoriented 2-bridge knot or link, or its mirror image, is uniquely represented as a 4-plat $C(a_1, a_2, \dots, a_k)$ satisfying the following conditions (3) and (4):

(3) $$a_1, a_k \geq 2,\ a_2, \dots, a_{k-1} \geq 1;$$

(4) either $a_i = a_{k-i+1}$ for all $i \geq 1$, or $a_1 = a_k$, $a_2 = a_{k-1}, \dots, a_{i-1} = a_{k+2-i}$, $a_i > a_{k+1-i}$ for some $i \geq 1$.

See [2, Proposition 12.13].

In order to enumerate all the 2-bridge knots and links of n crossings, we produce the sequences of integers $a_1a_2\cdots a_k$ satisfying (3),(4) and

(5) $$a_1 + a_2 + \cdots + a_k = n.$$

See [14, 22, 27].

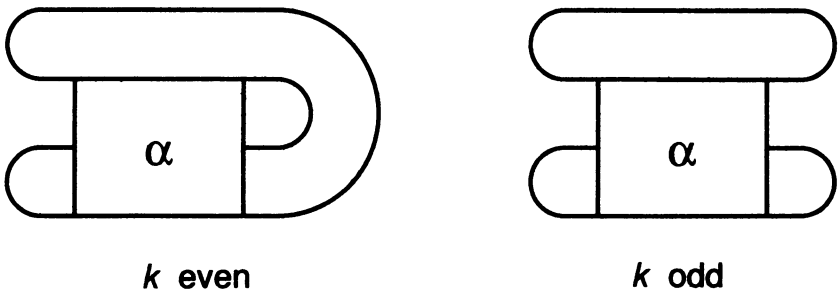

Figure 3

Specifically, we construct a binary tree as follows:

$$
\begin{array}{ccccccc}
 & & & 2 & & & \\
 & & \swarrow & & \searrow & & \\
 & 3 & & & & 21 & \\
 & \swarrow & \searrow & & & \swarrow & \searrow \\
4 & & 31 & & 22 & & 211 \\
 & & & \vdots & & & \\
 & & & a_1 a_2 \cdots a_k & & & \\
 & & \swarrow & & \searrow & & \\
 & a_1 a_2 \cdots (a_k+1) & & & & a_1 a_2 \cdots a_k 1 & \\
 & \swarrow & \searrow & & & \swarrow & \searrow \\
\cdots & & \cdots & & \cdots & & \cdots
\end{array}
$$

Then choose the sequences of integers satisfying (3)–(5) from the $(n-1)$st row.

Calculate the coprime positive integers p and q by the continued fraction

$$\frac{p}{q} = a_1 + \frac{1}{a_2 + \cdots + \frac{1}{a_k}}. \tag{6}$$

The 2-fold covering space of S^3 branched over $C(a_1, a_2, \ldots, a_k)$ is the lens space $L(p, q)$ [3]. See also [24, p. 303]. $C(a_1, a_2, \ldots, a_k)$ is a 2-bridge knot if and only if p is odd; p is the determinant of the 2-bridge knot $C(a_1, a_2, \ldots, a_k)$.

Take out the 2-bridge knots from the $C(a_1, a_2, \ldots, a_k)$'s and order them as follows:

$$C(a_1, a_2, \ldots, a_k) \prec C(a'_1, a'_2, \ldots, a'_l)$$

if either $p < p'$ or $p = p'$ and $a_1 = a'_1$, $a_2 = a'_2$, $\ldots$, $a_{i-1} = a'_{i-1}$, $a_i > a'_i$ for some i, where p and p' are the determinants of $C(a_1, a_2, \ldots, a_k)$ and $C(a'_1, a'_2, \ldots, a'_l)$, respectively.

Since a 2-bridge knot is invertible (cf. [2, Proposition 12.5]), we are not concerned with the question of knot orientation.

Let $\mathscr{K}_n$ denote the ordered set of the 2-bridge knots $C(a_1, a_2, \ldots, a_k)$ satisfying the conditions (3)–(5). Let

$$\overline{\mathscr{K}_n} = \{ C(-a_1, -a_2, \ldots, -a_k) \mid C(a_1, a_2, \ldots, a_k) \in \mathscr{K}_n \}.$$

Then the union $\mathscr{K}_n^* = \mathscr{K}_n \cup \overline{\mathscr{K}_n}$ is the set of all the 2-bridge knots of n crossings, and the intersection $\mathscr{A}K_n = \mathscr{K}_n \cap \overline{\mathscr{K}_n}$ is the set of all the amphichiral 2-bridge knots of n crossings. It is known [26] that $C(a_1, a_2, \ldots, a_k)$ with (3)–(5) is amphichiral if and only if k is even and $a_i = a_{k+1-i}$ for all i. The numbers of these sets are explicitly given in [5].

Step 2. Calculation of the polynomial invariants. Let $K = C(a_1, a_2, \ldots, a_k) \in \mathscr{K}_n^*$ and p, q be obtained from (6). If q is odd (resp. even), then let $(r, s) = (q-p, q)$ (resp. $(q, q-p)$). Then K is the 2-bridge knot with Schubert's normal form $S(p, s)$. The classification theorem states that $S(p_1, q_1)$ and $S(p_2, q_2)$ are isotopic if and only if $p_1 = p_2$, $q_1^{\pm 1} \equiv q_2 \pmod{p_1}$. Also,

K is isotopic to $D(b_1, b_2, \dots, b_m)$, where the b_i are obtained from the continued fraction

$$\frac{p}{r} = 2b_1 + \frac{1}{2b_2 + \cdots + \frac{1}{2b_m}}.$$

Compute $P(b_1, b_2, \dots, b_m)$ and $F(b_1, b_2, \dots, b_m)$ using Propositions 1 and 4. Next compute $\nabla(b_1, b_2, \dots, b_m)$, $V(b_1, b_2, \dots, b_m)$, and $Q(b_1, b_2, \dots, b_m)$ by the substitutions as in the introduction. Note that $P_{\overline{K}}(v, z) = P_K(v^{-1}, z)$, $F_{\overline{K}}(a, z) = F_K(a^{-1}, z)$, $\nabla_{\overline{K}}(z) = \nabla_K(z)$, $V_{\overline{K}}(t) = V_K(t^{-1})$, and $Q_{\overline{K}}(z) = Q_K(z)$, where $\overline{K} = C(-a_1, -a_2, \dots, -a_k) \in \overline{\mathscr{K}_n}$.

Step 3. Comparison of the polynomial invariants. We have searched for all pairs of 2-bridge knots through 22 crossings having the same polynomial invariant. We first considered the Q polynomial. Let K be as in Step 2. Since the crossing number n of K equals the degree of $Q_K(z)$ plus one [15, 19] and $Q_K(2) = p^2$ [1], we sought pairs having the same Q polynomial in the set $\mathscr{K}_{n,p} = \{K \in \mathscr{K}_n \mid \text{the determinant of } K \text{ is } p\}$ for each n and p. Let K_1 and K_2 be such a pair in $\mathscr{K}_{n,p}$. We sought pairs having the same Jones polynomial in K_1, K_2, $\overline{K_1}$, $\overline{K_2}$. To do so, we compared the four pairs: $\{V_{K_1}(t), V_{K_2}(t)\}$, $\{V_{K_1}(t), V_{K_2}(t^{-1})\}$, $\{V_{K_1}(t), V_{K_1}(t^{-1})\}$, $\{V_{K_2}(t), V_{K_2}(t^{-1})\}$. If K_i, $i = 1, 2$, is amphichiral, we did not compare $\{V_{K_i}(t), V_{K_i}(t^{-1})\}$ and $\{V_{K_1}(t), V_{K_2}(t^{-1})\}$. When we found an equal pair, we examined their Kauffman and homfly polynomials. In addition, we compared $\{\nabla_{K_1}(z), \nabla_{K_2}(z)\}$ if K_1 and K_2 had the same genus.

4. Computational results

Combining Facts 1 and 2 in the introduction and Table 1, we know all the pairs sharing the same polynomial invariants.

In Table 1 in the Supplement section at the end of this issue, the three numbers "$p \quad q, r$" represent the pair of the 2-bridge knots $\{S(p, q), S(p, r)\}$ in Schubert's notation. If there is no mark, $\{S(p, \pm q), S(p, \pm r)\}$ share the same Q polynomial. If there is a mark "V" (resp. "P", "F", "PF"), the pair $\{S(p, q), S(p, r)\}$ shares the Jones (resp. homfly, Kauffman, homfly and Kauffman) polynomial. If $S(p, q)$ is not amphichiral, $\{S(p, -q), S(p, -r)\}$ is also such a pair. If there is a mark "C", this pair shares the same Conway and Q polynomials. Note that we do not list the pair sharing only the same Conway polynomial. The mark "a" indicates that the knots are amphichiral. In this table, we have redundant information, for example, in 16 crossing knots, there are three pairs having the same Q polynomials: $\{S(429, 89), S(429, -353)\}$, $\{S(429, 89), S(429, -331)\}$, $\{S(429, -353), S(429, -331)\}$, which means the triple $\{S(429, 89), S(429, -353), S(429, -331)\}$ has the same Q polynomial. More complicated situations occur: Let $K_1 = S(1925, 569)$, $K_2 = S(1925, -1081)$, $K_3 = S(1925, 1229)$, which are 18 crossings. Then $P_{K_1} = P_{K_3}$ and $F_{K_2} = F_{K_3}$, and so $V_{K_1} = V_{K_2} = V_{K_3}$, $Q_{K_1} = Q_{K_2} = Q_{K_3}$, and $\nabla_{K_1} = \nabla_{K_3}$. Other equalities do not hold among them. Since they are not amphichiral, for the mirror images $\overline{K_i}$, $i = 1, 2, 3$, similar equalities hold.

In Table 2, for the n-crossing 2-bridge knots, we list the numbers of $\mathscr{K}_n$, $\mathscr{K}_n^*$ and the pairs listed in Table 1. From this table, we obtain Figure 4, which presents what proportion of the 2-bridge knots fail to be determined by the homfly and Kauffman polynomials.

TABLE 2

n	# K_n	# K_n^*	No mark	V	P	F	PF	C	Total
10	45	85	2	1	0	0	0	0	3
11	91	182	0	0	0	0	0	1	1
12	176	341	7	3	0	0	0	0	10
13	352	704	2	4	0	2	0	6	14
14	693	1365	14	18	4	0	1	0	37
15	1387	2774	17	23	1	4	0	7	52
16	2752	5461	77	46	20	1	2	0	146
17	5504	11008	65	73	5	10	0	27	180
18	10965	21845	202	161	40	5	7	2	417
19	21931	43862	229	244	13	22	0	72	580
20	43776	87381	593	498	82	14	17	17	1221
21	87552	175104	669	960	24	46	0	186	1885
22	174933	349525	1607	1751	236	46	31	47	3718

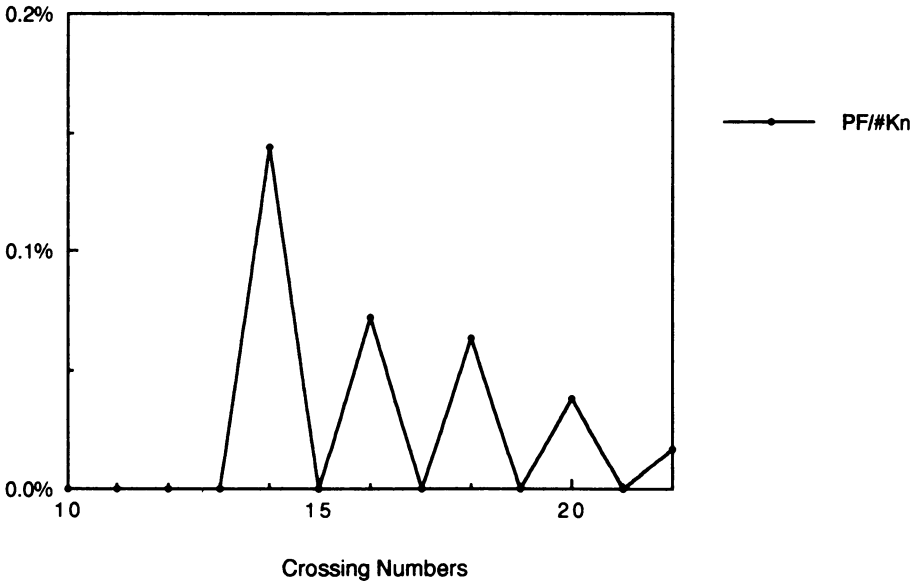

FIGURE 4

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Table 1

10 crossing		
49	-15,27	V
51	11,23	
57	-13,41	
11 crossing		
105	29,41	C
12 crossing		
63	-13,43	
81	19,37	V
91	19,37	
105	23,47	
111	-25,77	
121	-43,89	V
133	-29,97	
147	-43,83	V
159	47,59	
165	-49,119	
13 crossing		
99	-17,71	
135	-37,107	V
143	-27,105	
153	-83,121	V
161	113,127	C
171	-97,131	V
189	-53,145	V
189	-79,149	C
203	-89,159	C
213	65,77	C
219	61,67	C
231	167,181	C
245	-103,137	F
255	-143,163	F
14 crossing		
121	-23,65	V
159	35,71	
161	37,51	V
165	-37,113	
169	-31,125	
169	-53,129	V
207	43,61	V
209	-59,161	V
221	-41,163	
225	-47,103	V
231	-41,125	
231	53,137	V
243	55,109	V
245	-71,139	V
253	-47,139	
253	57,149	V
259	59,143	V
259	-55,183	
261	-61,113	V
267	83,95	
273	-85,197	
275	-73,213	V
279	65,83	V
287	61,121	
289	171,205	V
297	215,233	P
301	65,131	
315	-173,247	P
321	205,223	
327	-97,227	
329	75,89	V
329	-71,237	
333	-187,257	P
351	253,271	P
361	-153,227	V
363	-131,265	V
505	293,313	PFa
15 crossing		
153	-37,125	
165	89,131	
187	-43,155	
213	163,169	
231	-107,191	
253	-113,205	
267	145,205	
273	155,209	
279	-85,221	V
287	157,199	V
297	-161,235	V
297	-67,241	
299	53,131	
301	79,135	V
319	-83,225	V
321	101,113	C
323	-117,263	
325	-69,231	
327	91,103	C
333	-71,271	
341	-61,247	
341	-145,269	
343	239,253	P
351	-199,269	V
357	253,281	C
369	-113,283	V
385	117,173	V
385	-71,281	
385	-163,303	C
399	121,163	V
399	-173,313	C
427	307,335	C
429	131,155	C
441	-121,311	V
451	103,125	V
459	-127,359	V
473	-305,333	V
473	193,365	V
477	-301,335	V
477	-263,373	V
495	-203,277	F
495	-311,349	V
495	-277,383	V
495	203,383	V
505	-283,323	F
513	-143,397	V
517	117,139	V
531	-149,373	V
551	-119,403	
649	-181,457	V
745	-313,437	F
755	-443,463	F
16 crossing		
169	27,79	V
213	47,95	
219	-49,149	
245	39,59	
255	-41,209	
275	-47,217	V
287	-59,221	
289	-101,239	V
343	-99,195	V
351	73,109	V
361	-75,267	V
363	-67,197	V
369	-77,169	V
375	119,131	
377	-99,307	Va
381	79,175	
381	-121,275	
385	-87,263	
405	91,181	V
427	-127,293	
429	-89,331	
429	-89,353	
429	331,353	
435	-91,341	
441	-103,191	V
451	-85,355	V
455	-97,323	
459	107,143	V
473	-85,257	
473	-217,389	
477	-209,389	
483	103,205	
483	-221,313	
483	-221,331	
483	313,331	
483	-221,373	
483	313,373	
483	331,373	
483	-113,379	
489	-145,335	
493	107,277	V
493	-147,363	
495	-91,271	
495	-223,403	
497	107,215	
497	-227,341	
497	317,383	
507	-157,389	V
517	-113,371	V
525	-113,377	
529	-229,369	V
529	321,413	V
537	167,191	
537	-125,295	
539	-141,391	V
539	417,439	
543	127,235	
543	-169,377	
551	-243,327	
551	-149,431	V
553	125,225	
553	-153,379	
555	-251,319	
559	-119,397	
561	-163,313	
581	-261,403	
581	-263,409	P
589	-123,435	
595	-177,333	
595	269,439	P
597	-139,461	
603	419,473	P
605	-219,441	V
621	449,485	P
621	-341,487	P
623	141,279	
625	349,399	F
629	-133,513	
637	-167,449	V
639	-353,499	P
651	149,191	V
657	-367,509	P
663	-193,487	
665	-139,491	
671	485,529	
675	-379,521	P
675	487,523	P
679	187,201	
679	-201,471	V
679	-187,471	
679	-201,499	
679	-187,499	V
679	471,499	
693	151,191	
693	151,205	V
693	191,205	
693	-205,481	
693	-191,481	V
693	-151,481	
693	-205,509	V
693	-191,509	
693	-151,509	V
693	481,509	
693	-205,535	
693	-191,535	V
693	-151,535	
693	481,535	P
693	509,535	
711	-155,319	V
715	163,423	V
721	165,417	V
729	271,271	V
735	-223,533	V
737	167,435	V
747	-169,329	V
749	171,423	V
749	-223,547	
759	-205,587	V
765	173,227	V
777	-341,541	P
777	-317,571	
779	-165,573	
781	571,615	
791	-355,549	
791	325,551	P
791	-179,577	
803	215,237	P
819	187,229	V
833	-253,587	V
841	-231,523	V
855	-181,629	
867	511,613	V
875	-361,639	
889	-263,499	
927	653,671	P
957	283,613	P
961	-371,559	V
963	-607,677	P
979	289,619	P
981	-617,691	P
995	577,587	PF
1005	-593,613	PF
1015	-281,741	
1017	715,733	P
1083	-457,683	V
1133	313,335	P
17 crossing		
323	-69,273	
329	-103,261	V
357	61,95	
399	-83,335	
423	-133,335	V
427	-235,339	V
429	137,149	C
435	121,139	C
441	-239,349	V
455	-269,361	V
495	89,109	C
527	-91,295	
527	-149,429	V
531	-301,407	V
539	-293,421	V
543	293,431	
549	-173,421	V
553	393,435	C
553	-149,439	V
575	-129,469	
581	-247,457	C
583	-101,313	
583	-105,423	
583	-123,449	
591	415,469	
595	-257,467	C
597	323,473	
611	107,159	
623	447,489	C
623	-165,493	V
627	-119,347	
627	-115,457	
629	-113,351	
639	-145,521	
645	203,227	C
645	499,511	
651	199,205	C
651	-205,509	V
651	-199,509	
651	-205,515	
651	-199,515	V
651	509,515	
667	123,199	
671	-153,551	
699	493,535	
699	379,541	
703	-395,441	V
705	497,557	
713	-127,517	
715	127,387	V
715	-161,421	
715	-327,587	
721	-221,563	V
737	137,405	V
737	-169,437	
737	-333,601	
745	-303,417	F
747	-205,515	V
749	-199,585	V
753	577,589	
753	409,595	
755	-423,483	F
759	461,551	
759	431,581	
777	599,613	C
781	-177,637	
783	-505,539	V
783	-217,611	V
799	143,211	
801	-443,625	V
807	445,619	
813	175,367	
813	461,623	
819	-457,635	V
819	-179,667	
825	-233,647	
833	601,615	P
833	-489,659	V
837	-539,577	V
837	-233,649	V
841	-249,621	
851	-157,625	
861	619,625	
861	487,661	
867	665,671	
867	-239,679	V
869	-185,673	
873	-245,601	V
875	479,619	V
889	233,487	V
899	-407,523	
909	-277,641	V
913	-197,529	
915	209,251	
915	197,257	
917	-543,717	V
921	199,253	
921	647,707	
927	-283,725	V
931	-389,523	V

Table 1 (continued)

931	659,687	P
931	-547,727	V
935	213,257	V
945	-521,739	V
957	391,739	V
963	-295,347	V
973	549,675	V
973	-345,751	C
973	683,753	C
975	599,701	
979	401,757	V
981	-299,355	V
987	443,725	V
987	-355,761	C
999	-559,773	V
1001	227,271	V
1003	-263,791	V
1007	-273,787	V
1017	-311,787	V
1023	233,449	
1023	221,461	
1023	-461,593	
1023	-221,593	
1029	235,451	
1035	-317,727	V
1067	-453,841	
1071	283,317	C
1071	313,481	V
1075	757,843	V
1077	655,775	
1083	-305,835	V
1085	443,753	V
1111	-295,871	
1111	-471,875	
1127	785,813	P
1137	259,319	
1139	333,503	C
1141	-477,883	C
1169	355,509	V
1169	-515,821	C
1173	347,517	C
1175	-519,681	F
1177	257,685	V
1183	359,697	V
1183	-521,831	C
1183	913,927	C
1211	-531,937	C
1211	-327,947	V
1225	-439,541	F
1225	853,867	P
1235	-523,693	V
1241	329,363	C
1243	271,723	V
1245	-523,737	F
1255	-743,763	F
1267	375,557	V
1273	-355,985	V
1275	-461,559	F
1281	719,929	V
1287	-347,907	V
1311	-283,959	
1325	-581,769	F
1337	939,967	C
1365	961,989	C
1379	971,999	P
1379	997,1067	C
1413	-391,995	V
1441	-921,1015	V
1449	-913,1019	V
1463	-821,927	V
1463	-927,1031	V
1463	821,1031	V
1467	-923,1033	V
1477	859,1041	V
1495	-613,877	F
1503	-419,1057	V

1505	-587,617	F
1561	-653,1131	C
1575	-691,1109	C
1617	-445,1139	V

18 crossing

225	-31,119	V
267	59,119	
273	-61,185	
297	-47,239	
361	-115,303	V
441	-127,251	V
441	-85,335	V
473	75,211	
477	115,221	
483	135,167	
489	-157,353	
493	271,409	
495	79,119	
495	103,157	V
495	79,229	
495	119,229	
505	-81,409	
507	79,235	V
513	-107,235	V
513	-97,389	V
529	91,137	V
533	-129,417	
533	-317,421	V
549	-85,455	
567	127,253	V
605	-111,329	V
621	-145,269	V
639	149,203	V
639	485,503	C
645	421,439	
651	-193,443	
651	-139,463	
665	-123,523	V
671	-107,553	
679	145,289	
689	-165,471	
693	149,299	
703	521,543	
703	203,573	V
703	-223,593	
715	-129,389	
721	215,229	V
721	-155,517	
729	433,595	V
737	-135,603	
737	-159,611	V
741	215,605	V
741	-233,623	
745	139,159	
753	239,263	
755	-141,619	
759	-241,527	
767	141,331	
779	-143,617	V
783	-445,635	V
799	-209,573	
807	523,553	
813	169,373	
813	-253,557	
819	173,257	V
833	-229,689	
837	-455,679	V
841	465,581	V
845	-261,649	V
845	473,697	
847	-269,457	V
847	-307,617	V
861	-179,667	
867	-181,677	
867	-305,715	V

871	-207,597	
893	-205,641	
893	-185,689	
901	-247,739	
909	623,713	P
913	705,749	
915	-419,709	
917	-291,495	V
917	-267,629	
927	-509,727	P
931	211,295	V
931	197,505	V
935	-163,687	
935	433,773	V
943	-173,747	V
943	-611,769	V
945	683,727	P
949	747,773	V
957	-437,785	
961	-435,619	V
961	683,745	V
963	-533,751	P
963	547,761	
963	-425,785	
973	-445,667	
979	-225,765	V
979	-443,799	
981	533,751	
981	-547,761	P
981	-439,799	
987	173,257	
987	-451,677	
989	177,263	
999	721,775	P
1001	-225,699	
1001	-179,789	V
1001	447,811	V
1017	-571,785	P
1023	-229,799	
1023	791,835	
1025	-593,807	V
1027	-243,705	
1029	223,559	V
1035	709,799	P
1037	-317,737	V
1043	289,331	V
1043	-311,583	V
1043	-293,715	
1067	189,233	
1073	-337,823	V
1077	-251,595	
1081	243,335	V
1083	253,469	
1083	-227,799	V
1089	-463,857	V
1105	193,487	
1107	193,509	
1107	-209,871	V
1113	235,613	V
1121	-457,645	
1127	-295,811	V
1137	-265,881	
1139	521,929	V
1141	261,331	V
1141	247,359	V
1141	241,675	V
1143	337,355	V
1157	-261,807	
1161	253,361	V
1161	-523,953	
1169	-529,829	P
1177	-323,909	V
1177	-217,927	V
1179	259,349	V
1179	-257,529	V
1183	535,873	P

1191	247,547	
1197	-373,425	V
1197	-263,535	V
1199	273,709	V
1199	773,861	
1199	843,887	V
1199	493,929	V
1199	-259,973	V
1207	215,533	
1211	-369,669	V
1211	277,697	V
1221	323,433	
1221	277,721	V
1221	-353,901	
1221	497,941	V
1225	323,337	V
1225	-281,769	V
1225	-321,869	V
1225	949,999	
1233	-383,439	V
1233	-277,545	V
1239	283,703	V
1239	-257,871	
1241	871,905	V
1241	681,1019	
1243	-337,961	V
1245	683,977	
1251	281,371	V
1251	-283,551	V
1251	869,977	P
1267	-569,879	
1267	-269,977	
1269	227,335	
1269	287,395	V
1269	-701,991	P
1273	-271,983	
1281	-373,725	
1287	383,401	V
1299	283,531	
1309	277,299	
1309	277,347	V
1309	299,347	
1309	277,369	
1309	299,369	V
1309	347,369	C
1311	-275,967	
1323	349,391	V
1323	-739,1025	P
1337	283,409	V
1337	303,793	V
1339	-303,933	
1341	931,1039	P
1347	-401,1057	
1353	251,295	
1353	-283,953	
1353	-295,1061	
1353	-251,1061	
1365	383,397	
1365	-397,947	V
1365	-383,947	
1365	-397,1003	
1365	-383,1003	V
1365	947,1003	
1369	295,517	V
1369	-371,961	V
1377	-245,1013	
1379	387,401	
1379	-401,957	
1379	-387,957	V
1379	-401,1013	V
1379	-387,1013	
1379	957,1013	
1387	-491,823	
1387	-291,1023	
1397	1013,1101	
1401	293,641	

1401	-413,1081	
1401	-317,1099	
1403	297,389	
1407	305,431	V
1407	-415,1103	
1411	797,1001	V
1421	391,433	V
1425	-581,919	
1435	311,381	V
1435	303,387	V
1441	905,1059	
1441	-591,1115	
1441	-325,1127	V
1445	851,1021	V
1455	-329,799	
1455	-317,1123	
1463	-597,943	
1463	-597,1075	
1463	943,1075	
1463	-597,1129	
1463	943,1129	
1463	1075,1129	
1477	-663,1025	
1477	947,1139	
1479	835,1039	V
1485	623,1163	V
1495	867,887	PF
1495	-339,1169	
1501	-317,1105	
1505	341,831	V
1505	-397,893	V
1505	-893,913	PF
1505	397,913	V
1507	1099,1187	
1509	-353,1063	
1509	-677,1165	
1509	829,1183	
1515	851,1169	
1519	449,463	V
1519	-461,1093	V
1521	-625,857	V
1533	415,457	V
1557	1073,1127	P
1561	-677,1087	P
1561	-353,1103	
1563	877,1207	
1569	367,679	
1569	355,691	
1575	647,1097	P
1577	561,693	
1577	-333,1161	
1587	-689,1105	V
1587	965,1241	V
1593	-1027,1097	P
1595	339,361	
1603	347,949	V
1603	-477,1133	
1617	-491,1147	V
1623	-367,1253	
1631	353,899	V
1631	-475,1191	
1647	-1061,1135	P
1649	1169,1203	V
1649	-487,1213	
1661	697,1301	V
1671	389,725	
1673	-361,1291	
1677	1019,1217	
1677	-499,1295	
1681	655,737	V
1681	-493,983	V
1681	1067,1231	V
1683	1159,1213	P
1711	-509,1231	V
1715	363,1007	V
1717	363,941	V

Table 1 (continued)

1717	-503,959	
1727	-377,1251	V
1729	391,729	
1729	-527,955	V
1731	373,781	
1731	-403,1217	
1751	-517,979	
1757	-765,1243	
1757	-725,1283	
1763	1297,1383	V
1767	-721,1027	
1769	-469,1387	V
1771	479,523	P
1771	-527,991	
1771	-515,1003	
1771	629,1245	V
1775	991,1041	F
1779	-497,1291	
1793	387,497	
1799	407,783	
1799	-487,1055	V
1805	-761,1139	V
1813	393,1065	V
1813	-505,1315	V
1819	-533,1337	
1825	-1019,1171	F
1829	-765,1033	P
1833	-395,1321	
1839	-397,1331	
1843	-417,1445	
1849	515,773	V
1853	-567,1303	V
1855	-809,1311	
1859	691,1307	V
1869	-815,1321	
1875	1049,1199	F
1881	1307,1325	P
1881	-791,1475	
1887	-521,1357	
1887	-523,1475	V
1891	823,1189	P
1891	-855,1221	
1893	-523,1373	
1897	-533,1385	
1899	1337,1373	P
1903	-415,1389	V
1909	-515,1477	V
1911	433,517	V
1925	-569,1081	V
1925	-1081,1229	F
1925	569,1229	P
1925	-573,1387	
1935	-1237,1343	P
1935	-1219,1361	P
1941	419,875	
1941	-443,1405	
1947	575,1235	P
1953	851,1229	P
1953	-881,1259	
1953	-1247,1357	P
1953	-1229,1375	P
1953	-851,1375	P
1957	-549,1511	V
1961	-573,1441	
1967	-445,1417	
1967	857,1419	P
1975	1109,1159	F
1989	1399,1435	P
1991	-837,1561	
1995	-557,1213	
2001	1229,1439	
2005	1183,1223	PFa
2007	1393,1411	P
2009	-587,1457	V
2015	-847,1137	P
2049	467,899	

2051	565,607	
2051	-607,1451	V
2051	-565,1451	
2051	-607,1479	
2051	-565,1479	V
2051	1451,1479	
2055	469,901	
2065	569,611	
2065	-611,1461	
2065	-569,1461	V
2065	-611,1489	V
2065	-569,1489	
2065	1461,1489	
2079	449,559	
2093	453,565	V
2101	577,621	P
2103	-821,1513	
2107	-587,1485	V
2121	-587,1499	
2147	-603,1657	V
2149	-943,1521	P
2163	913,1531	P
2163	-493,1559	
2185	-613,1687	V
2187	649,811	V
2191	593,607	V
2209	-847,1597	V
2217	-619,1595	
2247	-949,1619	
2261	-669,1269	
2303	-673,1623	V
2345	-989,1691	
2359	-1027,1669	
2375	-667,1833	V
2401	-883,1469	V
2425	1019,1069	PF
2431	1709,1753	V
2475	-889,1091	PF
2523	-695,1567	V
2525	-911,1109	PF
2575	1081,1131	PF
2583	-715,1861	
2883	-1115,1675	V

19 crossing

481	-83,411	V
497	339,395	
537	173,185	C
543	151,175	C
567	-181,449	V
585	-317,463	V
589	87,273	V
627	-97,511	
663	-353,565	V
689	-375,579	V
697	-109,571	
703	-109,479	
711	-403,545	V
721	-293,573	
729	-233,559	V
741	-119,509	
749	533,589	C
775	-171,529	
777	-331,611	C
781	635,657	C
791	-163,515	
791	-341,621	C
793	-211,647	V
817	-131,667	
819	-197,631	
819	587,643	C
825	-149,599	
847	-379,673	
861	275,299	C
867	265,277	C
869	-159,633	

871	-151,733	V
875	-403,683	
889	-409,703	
893	-231,709	V
897	-215,613	
909	-137,671	
921	497,731	
927	-191,673	V
957	-431,805	C
963	517,731	C
969	305,341	C
969	667,769	
973	-201,633	
979	633,721	V
979	-449,823	C
981	527,745	C
995	189,209	C
995	-403,557	F
999	-215,793	V
1001	719,829	V
1005	181,191	C
1005	-563,643	F
1029	557,815	
1037	-163,857	
1045	-183,733	
1045	-221,881	
1053	-217,485	V
1053	-289,719	V
1071	781,851	
1077	835,853	
1083	845,857	
1089	-709,743	V
1089	505,901	V
1107	-307,863	V
1121	-197,787	
1121	-235,943	
1125	-257,607	V
1125	-623,877	V
1125	-271,881	
1125	-253,917	
1131	-271,773	
1131	613,877	
1139	-303,513	V
1143	-637,887	V
1143	-617,907	V
1155	-263,947	
1155	949,971	C
1161	-323,901	V
1169	241,255	V
1177	865,975	V
1179	-767,805	V
1183	-281,811	
1183	-313,935	V
1185	817,907	
1191	821,941	
1197	-281,517	V
1199	207,317	V
1199	339,427	V
1199	-205,939	
1199	-547,983	
1211	-355,961	V
1215	-251,559	V
1215	-341,829	V
1219	225,331	V
1219	839,1001	
1221	211,343	V
1221	-553,997	
1233	-259,563	V
1235	-321,979	V
1239	673,979	
1241	-267,549	V
1245	707,953	
1265	-287,1033	
1267	933,989	
1267	865,991	
1269	-289,1007	V

1271	285,367	V
1271	-359,1035	V
1281	943,1013	
1287	-581,985	V
1293	991,1009	
1305	-709,1031	V
1305	-287,1063	
1309	-411,1031	V
1309	-739,1039	V
1323	1019,1073	V
1331	351,373	V
1331	595,1079	V
1331	617,1101	V
1337	279,293	
1337	-773,1061	V
1341	-277,965	V
1347	745,1033	
1353	767,1037	
1357	-393,941	
1359	-319,977	V
1363	-429,981	
1369	-253,1005	
1375	-357,1007	V
1377	-433,971	V
1387	1093,1131	V
1395	-293,1003	V
1395	-439,1091	V
1407	1079,1091	
1411	-399,763	
1411	-495,1165	
1413	-779,1105	V
1419	323,389	V
1419	1019,1151	V
1421	1021,1049	P
1421	-771,1119	V
1425	263,1013	V
1431	-451,503	V
1435	-401,1139	V
1441	273,405	V
1441	383,537	V
1441	259,783	V
1441	589,1113	V
1441	-315,1137	
1445	-633,1143	
1449	313,331	
1449	-331,1109	V
1449	-313,1109	
1449	-331,1145	
1449	-313,1145	V
1449	1109,1145	
1455	823,1117	
1457	1025,1149	
1463	277,387	V
1463	269,801	V
1463	269,1039	V
1463	801,1039	V
1463	599,1131	V
1463	1017,1157	
1467	317,335	
1467	-335,1123	
1467	-317,1123	V
1467	-335,1159	V
1467	-317,1159	
1467	1123,1159	
1469	-349,1007	
1477	387,809	V
1477	1027,1153	
1479	-619,809	V
1485	337,403	V
1485	-467,523	V
1501	-345,1077	
1501	1187,1225	V
1503	-349,1091	V
1503	-841,1163	V
1513	265,401	
1515	1043,1163	

1517	-645,835	V
1519	1079,1121	P
1519	-825,1191	V
1521	-343,1061	
1521	-319,1103	V
1521	-479,1177	V
1539	-469,1061	V
1539	-485,1081	V
1547	337,363	C
1557	-365,1129	V
1569	1001,1091	
1573	703,1275	V
1575	-481,1229	V
1593	301,895	V
1593	-343,1223	V
1593	-881,1243	V
1611	-367,875	V
1611	-1039,1109	V
1611	-343,1241	
1615	-687,947	V
1615	-337,1193	
1629	-1049,1123	V
1629	-925,1247	V
1631	-513,1279	V
1633	1201,1343	
1643	369,475	V
1643	-461,1341	V
1647	311,905	V
1647	-919,1277	V
1649	-435,1197	V
1649	1293,1361	
1653	-439,1301	V
1659	941,1151	V
1665	-509,1291	V
1671	1159,1213	
1673	751,1229	V
1677	361,757	
1683	-353,769	V
1683	-295,941	
1683	-437,1093	V
1701	-395,739	V
1701	-521,1171	V
1703	321,373	
1703	-399,1173	
1705	453,607	V
1705	-443,1107	V
1705	1337,1403	V
1715	-967,1357	V
1717	-371,1261	V
1719	-403,743	V
1727	1269,1401	V
1731	379,775	
1739	391,539	V
1745	-733,1037	F
1751	-377,1289	V
1755	-1043,1063	F
1757	509,789	V
1757	-367,1139	
1757	1355,1383	C
1763	-467,1253	V
1767	-769,967	C
1771	723,1229	V
1771	-381,1367	V
1773	-799,1361	V
1779	383,545	
1779	1237,1279	
1785	-317,997	
1785	1121,1259	
1791	-1013,1375	V
1793	-321,973	
1793	-761,1413	
1799	-991,1417	V
1807	-409,1259	
1817	335,815	
1817	-527,1267	
1819	-477,987	

Table 1 (continued)

1819 -483,1319 V	2117 393,451	2453 535,1427 V	2831 -1051,1583
1819 1427,1495	2121 -563,1663 V	2457 -1583,1693 V	2835 1591,2011 V
1827 -743,1429	2139 -833,1651 V	2461 -539,1899 V	2849 -615,1651
1827 -1081,1439 V	2147 -775,1259 V	2461 1109,1937 V	2849 1207,2021 V
1833 413,503	2147 -449,1585	2475 -689,1741 V	2853 -871,2009 V
1837 -339,1007	2149 1523,1663 C	2481 1405,1903	2859 803,845
1837 -779,1447	2157 1669,1687	2493 -695,1717 V	2859 617,1289
1839 403,505	2163 487,607	2495 -1023,1477 F	2865 787,847
1839 995,1457	2163 1669,1697 C	2501 -689,1935 V	2869 -1019,1699 C
1843 -405,1495	2167 -491,1279	2505 -1483,1523 F	2869 -1265,1759
1845 1039,1309	2167 -469,1555	2509 547,573 C	2869 -1611,1809 V
1855 -767,1467	2167 -777,1587 V	2513 1765,1807 C	2873 879,1695 V
1863 -433,809 V	2167 1699,1765 V	2513 -737,1965 V	2893 -767,1819 C
1869 -773,1459	2171 -495,1509	2519 -677,1809	2905 2059,2101 C
1885 -441,1299	2185 -463,1607	2527 -685,1975 V	2907 -889,1049 V
1887 431,575	2189 -499,1295	2541 751,943	2907 -1049,1705 V
1887 1327,1495	2189 -579,1411 V	2541 739,1117 V	2907 889,1705 V
1891 -669,1035 C	2189 1689,1711 V	2541 -1103,1801 C	2907 -1033,1721 C
1893 409,577	2189 -477,1723	2541 1787,1949	2913 1771,2101
1893 1211,1313	2191 1539,1553 C	2553 -781,1841	2913 2095,2107
1897 -529,1501 V	2191 -641,1711 V	2555 717,1447 V	2915 -773,1867 C
1903 873,1565 V	2201 499,641 V	2555 -1109,1811 C	2915 -631,2141
1911 -431,1333	2211 1411,1537	2555 1837,1977 C	2915 2107,2283 V
1911 1331,1373 P	2211 1219,1711	2565 1481,1519 C	2925 -893,1057 V
1917 1501,1555 V	2217 505,679	2573 583,749 V	2933 1661,2067 V
1925 -563,1523 V	2219 -619,1733 V	2575 -931,1129 F	2933 1655,2075 V
1935 1093,1523 C	2227 589,657 C	2585 -709,1821 V	2933 -1243,2109 C
1941 425,545	2227 -481,981 V	2595 1577,1883	2945 -1077,1647
1941 437,857	2233 -619,1643	2597 -1525,2045 V	2945 -1329,1709
1941 1363,1369	2245 -913,1317 F	2603 -733,2007 V	2947 821,1283 V
1947 1073,1523	2249 -509,1567	2625 -1151,1549 F	2947 857,1699 V
1947 -367,1525	2255 -887,917 F	2639 781,1145 V	2947 -1293,2075 C
1953 593,845 V	2255 -611,1589 V	2643 725,785	2959 -639,1715
1953 -695,1073 C	2257 -833,997 V	2649 571,1195	2967 677,821
1953 -695,1507 C	2265 1267,1753	2651 701,745	2967 881,1097
1953 1073,1507 C	2265 1249,1771	2651 -745,1917 V	2973 883,1099
1955 347,517	2271 1271,1757	2651 -701,1917	2975 -803,2333 V
1967 597,1159 V	2277 -485,1783	2651 -745,1939	2979 -911,2095 V
1967 -431,1255	2289 -1355,1795 V	2651 -701,1939 V	2981 -831,2183 V
1967 -705,1517 C	2291 1613,1671 V	2651 1917,1939	2993 1221,1303 V
1969 887,1603 V	2295 673,1013 C	2651 2051,2073 V	3027 1859,2177
1971 -449,1513 V	2303 -827,1415	2653 1151,1909 V	3047 -819,2239
1995 431,899	2317 -981,1793 C	2653 1935,2075	3047 -823,2389
1995 -529,1571 V	2317 -1277,1817 V	2673 707,751	3073 -859,2403 V
2001 457,877	2317 -625,1825 V	2673 -751,1933	3075 701,1349
2001 1391,1451	2319 1633,1777	2673 -707,1933 V	3081 703,1351
2001 1103,1565	2321 -643,1667	2673 -751,1955 V	3087 2185,2227 P
2001 1409,1583	2321 -493,1795	2673 -707,1955	3097 -1301,1739 V
2009 -551,1417	2325 1613,1673	2673 1933,1955	3127 -1123,1209 V
2009 1399,1427 P	2325 1301,1799	2695 -1583,2113 V	3129 -1325,1909
2009 -1133,1569 V	2329 687,1027 C	2697 1945,1957	3129 -1325,2251 C
2013 -523,1457 V	2329 -615,1051 V	2717 -575,1999	3129 1909,2251
2015 -459,1401 C	2337 1307,1345	2717 -735,2125 V	3135 -829,2021 V
2021 457,629 V	2345 -1017,1663 C	2737 1927,1941 P	3143 -1363,2229 C
2023 -619,1593 V	2353 -537,1635	2737 1927,1969 C	3157 -887,1983 V
2023 -373,1599 V	2359 -1039,1657 C	2737 1941,1969 C	3183 941,1181
2035 -431,1571	2367 -655,1631 V	2737 1927,1983 C	3189 727,889
2041 -477,1407 C	2375 -1049,1401 F	2737 1941,1983 C	3201 -1411,1757 C
2049 449,917	2379 1349,1823	2737 1969,1983 P	3211 1863,1901 C
2049 1111,1621	2385 -661,1679 V	2751 593,767	3227 943,1405 V
2055 463,907	2387 521,1389 V	2751 1937,1951 C	3241 947,1367 V
2057 -729,1691	2387 -1035,1847 C	2751 1937,1979 P	3243 2333,2339
2061 -479,1483 V	2397 635,703 C	2751 1951,1979 C	3297 925,979
2067 -433,1687	2401 -1387,1875 V	2751 1937,1993 C	3367 2421,2435 C
2077 -905,1141 C	2403 -1549,1655 V	2751 1951,1993 P	3377 2469,2645 V
2093 -823,1615 V	2409 545,1421 V	2751 1979,1993 C	3401 -1435,1909 V
2093 -937,1637	2409 -679,1555 C	2757 595,763	3417 -745,2471 V
2093 -641,1641 V	2409 -1537,1697 V	2761 -765,2029	3439 1923,1999
2103 479,923	2421 -1525,1703 V	2761 -761,2165	3439 -1441,2017 V
2103 1345,1459	2425 -869,1071 F	2779 -1607,2173 V	3439 -1515,2199
2103 1483,1627	2427 1525,1705	2795 1217,2163 V	3479 -1027,2523
2103 1477,1645	2431 555,1439 V	2807 -1585,2195 V	3567 985,1393 C
2107 1451,1537 V	2431 -653,1569 C	2811 2033,2039	3619 -1301,2647 V
2107 -1217,1667 V	2431 -1543,1713 V	2813 -773,2069	3625 -1499,2101 F
2109 1331,1481	2433 1709,1883	2821 -1031,1577	3629 -2037,2295 V
2109 1487,1649	2439 -1535,1717 V	2821 -1275,1639	3641 -1015,2295 V

3675 -1619,2131 F	1199 883,971	1599 -293,1319	1903 -349,1499 V
3725 -1441,1539 F	1209 -331,995	1603 467,509 V	1911 407,1037 V
3725 -1339,1641 F	1215 827,953 P	1603 1101,1171 V	1917 -1061,1495 P
3751 1571,1633 P	1221 899,1009	1611 475,511 V	1925 541,611 V
3775 -1459,1561 F	1225 -559,841 V	1611 1223,1259 C	1935 1051,1481
3775 -1361,1659 F	1233 -677,967 P	1617 -377,895	1937 -607,1479 V
3777 1043,1055 C	1235 -217,1037 V	1623 379,703	1943 -1063,1489 V
3813 1415,2153 P	1239 -565,851 V	1629 355,517 V	1953 443,877
3825 -1681,2219 F	1245 239,259	1631 373,471 V	1953 -877,1355
3875 1437,2187 P	1245 239,571	1631 335,715	1953 -443,1355
3875 -1601,2249 F	1245 259,571	1631 1117,1131 V	1957 -407,1607 V
3937 1653,1715 P	1255 -241,1029	1639 -261,1345	1967 -569,1117
3993 1115,1559 C	1261 399,1023 V	1643 -345,1139 V	1967 -521,1453 V
3999 1117,1549 C	1265 -201,1031	1647 -359,739 V	1967 -585,1515
4279 -1193,3097 V	1269 917,989 P	1653 -353,1357 V	1969 -557,1423 V
4381 -1711,2683 F	1271 -267,881 V	1659 -341,1283	1971 433,613 V
4407 -1669,1721 F	1281 -263,899	1661 -455,1283 V	1971 -1099,1529 P
	1287 -713,1003 P	1665 367,493 V	1989 -437,889 V
20 crossing	1293 -269,1003	1665 -529,581 V	1989 -1111,1541 P
289 35,137 V	1299 -271,1013	1673 -513,915 V	1989 1381,1543 P
321 71,143	1305 991,1009 C	1673 -345,1089	1991 375,529
327 -73,221	1305 -727,1013 P	1677 -391,1301	1995 421,811
529 -183,461 V	1309 -597,899 V	1683 -371,751 V	1995 1157,1187 PF
539 -155,307 V	1309 1061,1083	1683 383,995 V	2001 415,919
591 191,203	1313 -209,1039	1701 389,977 V	2001 -371,1561
597 -193,431	1323 -253,1007 V	1701 1165,1249 V	2005 -1193,1213 PF
625 101,151 V	1323 955,1027 P	1703 353,691 V	2007 1375,1555 P
639 133,205 V	1339 -717,1137 P	1705 387,1007 V	2009 433,1091 V
657 -137,301 V	1347 -617,1045	1705 943,1383	2023 1191,1429 V
675 -91,359 V	1349 211,249	1715 -449,1231 V	2025 631,721 V
729 163,325 V	1357 -243,1045 V	1715 1189,1259 V	2025 -359,1261 V
729 -107,541 V	1359 -763,1049 P	1717 269,609	2033 -427,1499
745 119,179	1365 -739,1151 P	1719 -385,761 V	2047 -365,1147
755 -121,609	1369 739,887 V	1727 -469,1335 V	2049 -425,1411
781 133,221	1369 -591,1111 V	1727 -311,1361 V	2051 579,593
801 -187,347 V	1377 937,1063 P	1729 -549,933 V	2051 -593,1423 V
807 529,547	1379 -291,941	1729 395,983 V	2051 -579,1423
813 -241,551	1397 263,395	1729 1187,1271 V	2051 -593,1507
817 -435,705 V	1397 1079,1145	1737 389,515 V	2051 -579,1507 V
819 191,263 V	1407 -407,965	1737 -551,607 V	2057 1423,1507
841 -173,697 V	1417 225,647	1751 275,615	2061 -627,1515 V
845 131,391 V	1425 -223,973	1755 -397,773 V	2061 -423,1607
847 -155,461 V	1425 -451,1201	1757 381,809	2059 -577,1411
847 -181,603	1441 229,651	1757 -459,969 V	2059 -607,1523 V
869 -405,721	1441 773,1169	1757 -795,1249 P	2061 425,569 V
875 187,373	1441 -657,1181	1757 -397,1353	2061 -463,911 V
889 191,383	1441 1037,1191	1763 -381,767 V	2065 583,597
917 -197,657	1445 -509,1191 V	1767 -401,1397	2065 -431,1339
923 -295,699 V	1449 349,671	1771 375,815	2065 -473,1417
931 -163,787 V	1449 -641,1181	1771 801,1307 P	2065 -597,1433
943 -143,777	1463 233,669	1773 401,563 V	2065 -583,1433 V
949 139,445	1463 -669,1003	1781 279,817	2065 -597,1517 V
957 -173,521	1463 -233,1003	1781 -537,1381 V	2065 -583,1517
969 311,335	1463 1053,1185	1791 533,559 V	2065 1433,1517
975 -313,677	1463 -663,1195	1799 411,509 V	2065 -633,1523 V
979 -179,535	1463 -461,1231	1799 383,565 V	2071 363,439
979 525,811	1467 353,679	1799 -571,971 V	2077 -467,1641
1027 761,839 V	1467 -655,1195	1799 1235,1249 V	2079 467,647 V
1035 -157,763	1477 -675,1013	1805 -379,1331 V	2091 -367,1537
1053 -155,833	1477 -305,1165	1807 -331,1411	2091 -437,1637
1067 -497,885	1495 1181,1211	1813 -475,1289 V	2093 -941,1451 V
1077 703,733	1505 309,629	1815 1501,1531	2107 -965,1443 V
1081 -165,801	1505 -281,1219	1837 -823,1491	2109 -443,1555
1083 -337,737	1507 1165,1231	1849 345,689 V	2109 1157,1655
1083 -343,911 V	1521 -229,1123	1849 -429,1291 V	2109 -389,1663 V
1089 -395,793 V	1521 1091,1247 V	1849 1031,1461 V	2115 -457,1517 V
1089 659,923 V	1533 -433,1051	1855 -383,1207	2117 863,921
1107 -353,877 V	1539 245,283	1855 -381,1341	2119 1641,1719 V
1131 359,395	1547 1279,1305 P	1859 -291,1373	2121 457,667 V
1137 -361,779	1551 -695,1259	1869 -557,1277	2121 -971,1453 V
1155 197,307	1563 -365,1219	1881 1289,1469 P	2123 1541,1673
1157 -213,499 V	1577 -325,1233	1881 -487,1493 V	2125 1497,1667 C
1157 957,983 P	1581 -433,1301	1887 1385,1487 V	2133 -403,1649 V
1173 -179,971	1587 275,413 V	1891 -425,1311	2147 -445,1589
1183 -365,909 V	1599 241,743	1899 1319,1481 P	2147 621,1751 V
1199 227,557	1599 1219,1297 V	1899 -1049,1483 P	2149 -465,1467

2149 -877,1579	2345 537,1073		
2149 -571,1585 V	2345 -711,1389 V		
2151 1561,1705 V	2345 -1013,1633 P		
2163 -971,1501	2349 -485,1081 V		
2167 1007,1795 V	2349 421,1291 V		
2175 -479,1771	2349 1603,1693 P		
2185 401,591	2353 -1393,1865 V		
2185 633,1783 V	2359 -619,1299 V		
2187 -451,1007 V	2359 969,1643 P		
2187 1493,1583 P	2363 419,1043		
2187 1297,1783 V	2363 1507,1927		
2189 -577,1403 V	2367 -491,1087 V		
2189 1017,1813 V	2369 1537,1949 V		
2191 -1007,1497	2373 -533,1303		
2191 -1003,1501 V	2373 -737,1831		
2193 791,1199 V	2375 -617,1883 V		
2201 -653,1193 V	2379 -739,1865		
2201 -461,1527 V	2387 -675,1745 V		
2209 471,659 V	2397 -649,1765		
2209 1409,1691 V	2401 981,1079 V		
2211 -689,1735	2401 -1079,1665 V		
2211 -623,1819 V	2401 -981,1665 V		
2217 487,991	2401 -729,1707 V		
2219 -907,1629 V	2401 -1079,1763 V		
2219 1245,1709	2401 -981,1763 V		
2223 461,479 V	2401 1665,1763 V		
2223 -1447,1517 P	2403 -1345,1949 V		
2223 -469,1637	2405 -697,1893 Va		
2223 -409,1757 V	2407 1319,1651 V		
2227 413,583 V	2407 -629,1695 V		
2227 1223,1837	2409 427,1303 V		
2231 -987,1221 V	2409 -647,1993 V		
2233 1627,1759	2419 -547,1995		
2247 493,991	2421 1327,1865		
2247 -509,1535	2421 1375,1913		
2247 -479,1733	2421 -1309,1919 V		
2249 -527,1549	2431 431,1315 V		
2255 -393,1657	2431 -673,2011 V		
2257 -1239,1445 V	2439 1325,1867		
2259 635,887 V	2439 1337,1879		
2261 397,473	2439 -1319,1933 V		
2261 397,997	2443 -747,1339 V		
2261 473,997	2443 1573,1885		
2261 -479,1867	2443 -865,1927		
2263 -621,1861	2445 -511,1919		
2271 -475,1565	2453 425,1317 V		
2271 -499,1781	2457 -745,1355 V		
2275 -397,1683	2457 1577,1895		
2277 409,497	2457 -1333,1943 V		
2277 -523,1351	2457 -1355,1993 V		
2289 1331,1763	2457 745,1993 V		
2299 485,617	2475 511,691 V		
2299 397,1233 V	2479 -557,1959		
2299 -617,1693 V	2481 -545,1915		
2299 -485,1693	2481 1363,1945		
2299 -617,1803	2483 461,735		
2299 -485,1803 V	2483 -1073,1371		
2299 1693,1803	2485 529,1369 V		
2299 1055,1891 V	2485 -519,1959		
2303 -1051,1581 V	2487 517,1141		
2303 -1035,1597 V	2487 1397,1919		
2309 -699,1653 V	2491 1819,2031 V		
2313 -1505,1579 P	2493 569,1145 V		
2317 489,1037	2499 659,701 V		
2317 -675,1311 V	2499 -1121,1735 V		
2317 -1065,1583	2513 535,1487 V		
2319 485,1061	2513 -727,1835		
2319 -521,1819	2519 1853,1941		
2321 -533,1377	2523 1393,1741 V		
2337 529,611	2527 -1065,1595 V		
2337 -611,1685	2529 -529,1157 V		
2337 -529,1685 V	2533 -449,1863		
2337 -509,1705	2533 -913,2067		
2337 -611,1849 V	2535 -593,1747		
2337 -529,1849	2535 -527,1783		
2337 1685,1849	2535 -1133,1957		

Table 1 (continued)

2541 551,703		2757 -859,2129		2913 -659,2275		3073 2131,2243	V	3267 -2105,2251	P		
2541 439,1363	V	2757 -601,2153		2915 541,1601	V	3073 -673,2407		3267 -1387,2573	V		
2541 -703,1871	V	2761 585,629		2915 621,1681	V	3081 1721,2387		3269 -967,2519			
2541 -551,1871		2761 1985,2139		2915 861,1851	P	3087 -869,2239	V	3275 1839,1939	F		
2541 -703,1957		2763 1987,2185	V	2915 -1191,2251		3087 2143,2269	V	3283 -951,2381	V		
2541 -551,1957	V	2779 599,851	V	2915 -783,2363	V	3087 -869,2365	V	3285 763,907	V		
2541 1871,1957		2779 -733,1649	V	2925 -1841,2059	P	3087 2239,2365	V	3291 767,1427			
2541 1145,2069	V	2779 -827,1973		2925 1613,2263		3091 -549,1673		3297 -983,1843	V		
2555 583,1167		2779 -785,2029		2925 2257,2293	P	3097 -701,2233	V	3297 -755,2423			
2555 -541,1881		2783 527,1539	V	2933 663,1087		3097 -819,2441	V	3303 769,1489	V		
2561 -597,2003		2783 -747,2003	V	2933 -621,2039		3101 671,1261		3303 2275,2383	P		
2563 471,559		2783 1277,2289	V	2933 -1269,2083		3101 -923,2227		3315 2351,2611			
2563 1843,1975		2793 653,1565	V	2933 -619,2139		3101 2153,2265	V	3321 -1499,2027			
2567 -705,2117		2795 -849,2161	V	2937 -641,2131	V	3111 -857,2237		3321 2287,2305	P		
2573 -539,1785	V	2805 653,1217		2937 1327,2395	V	3113 701,1833	V	3325 -1439,2341	P		
2581 -813,1857		2805 -827,2063		2941 541,1329		3113 -679,2269	V	3325 -983,2447			
2583 1417,1993	P	2805 -827,2173		2941 -1043,2417		3123 673,727	V	3337 -729,2395	V		
2583 1997,2033	C	2805 2063,2173		2943 809,827	V	3125 1749,1999	F	3339 -781,1445	V		
2595 607,1123		2807 605,745	V	2943 -1907,2017	P	3129 -731,2203		3339 -781,2399	V		
2595 583,1147		2807 643,1261		2945 -2081,2259	V	3131 -1411,1751	V	3339 1445,2399	P		
2597 685,755	V	2807 1923,2049	V	2947 667,1097		3135 -709,2429		3351 -781,2357			
2601 713,1019	V	2807 1819,2171		2947 -877,1649		3135 1403,2543	V	3367 711,1901	V		
2601 -1019,1429	V	2807 -615,2213		2947 -639,2049		3135 -677,2557	V	3367 -771,2337			
2601 -713,1429	V	2809 637,1167	V	2961 2083,2137	P	3141 -659,1435	V	3383 -983,1907			
2601 -1019,2041	V	2809 -741,1803	V	2967 -671,1639		3143 -955,1859	V	3383 -915,2485			
2601 -713,2041	V	2811 -829,2195		2967 1657,2299		3143 -711,2257		3383 2455,2489	V		
2601 1429,2041	P	2813 2033,2207	C	2967 -1667,2335	V	3143 -865,2313		3393 733,1487			
2607 1871,1915		2817 661,787	V	2975 873,887	V	3143 1759,2427		3393 -1921,2603	V		
2611 -545,2045		2817 659,1271	V	2975 673,1287		3151 1735,2195		3395 919,989	V		
2629 499,1455	V	2821 -661,1943		2975 641,1661	V	3157 -1425,1773		3395 717,1963	V		
2629 -741,2141	V	2835 593,647	V	2975 641,1761	V	3157 -849,2033	V	3399 -775,2657	V		
2629 -697,2163	V	2835 -647,1943		2975 1661,1761	F	3157 1413,2561	V	3401 769,2479	V		
2635 -1193,1473	V	2835 -593,1943		2975 -887,2173		3159 721,739	V	3401 -903,2677	V		
2635 -723,2167		2835 -647,1997		2975 -873,2173		3159 -739,2177		3403 -1535,2073			
2637 547,601	V	2835 -593,1997		2975 -887,2187		3159 -721,2177		3403 -949,2371	V		
2639 -731,1803		2835 1943,1997	P	2975 -873,2187		3159 -739,2195		3405 1039,1231			
2639 -809,1837	V	2839 -997,2343		2975 2173,2187	V	3159 -721,2195		3411 779,1537			
2639 -579,1913		2849 -671,1585	V	2975 1613,2447		3159 2177,2195	P	3411 -1931,2617	V		
2639 -1089,1927		2849 -625,2007		2979 625,823	V	3161 -681,1771		3421 -909,2501	V		
2643 1483,2041		2853 599,797	V	2979 679,1363	V	3177 -745,1373	V	3423 943,1013			
2645 -1149,1841	V	2859 -623,2215		2989 869,911	V	3177 2189,2297	P	3423 -1013,2431	V		
2645 1609,2069	V	2859 -851,2233		2995 1083,1323	F	3179 729,1885	V	3423 -943,2431			
2649 -553,1865		2865 -667,1973		2995 1767,1777	PF	3179 -843,2589	V	3423 -1013,2459			
2649 -595,2045		2869 2117,2215		2997 647,701	V	3185 -729,2211		3423 -943,2459	V		
2649 1463,2069		2871 787,805	V	2997 2053,2107	P	3185 -943,2307	V	3423 2431,2459			
2651 699,1663	V	2871 -763,2021	V	3003 647,1655	V	3189 745,1381		3429 -1945,2627	V		
2651 743,1707	V	2871 -763,2075	V	3003 -677,1769		3189 -949,2471		3431 633,727			
2651 1907,1951		2871 2021,2075	P	3003 -1345,2087		3193 719,925	V	3437 947,1017			
2653 -767,1507		2871 1313,2357	V	3005 1077,1327	Fa	3197 1761,2221		3437 -753,2193			
2653 -555,1923		2873 -843,1605		3005 -1783,1823	PF	3199 681,863	V	3437 -1017,2441			
2653 -571,2047		2873 -655,1997		3013 845,937	V	3199 -975,1767	V	3437 -947,2441	V		
2655 -623,1147	V	2873 1295,2111	V	3015 707,833	V	3199 2335,2349	V	3437 -1017,2469	V		
2673 559,577	V	2873 -1251,2115		3021 1669,2359		3199 -881,2465		3437 -947,2469			
2673 -577,2195	V	2877 659,1175		3025 881,1321	V	3201 -595,1759		3437 2441,2469			
2673 -559,2195	V	2877 1835,2225		3025 573,1673	V	3211 1773,2049		3439 -727,2655			
2675 1883,2097	V	2883 -1303,1859	V	3025 -659,1761	V	3213 -2071,2213	P	3439 -909,2711	V		
2679 -701,2119	V	2883 2047,2233	V	3025 -1689,1941	F	3225 -1811,2059	F	3451 745,915	V		
2681 571,711	V	2889 -1873,1979	P	3025 -837,2177	V	3227 731,1313		3459 2207,2405			
2681 -817,1481	V	2889 2231,2267	P	3025 1363,2463	V	3227 675,1355		3465 -1013,1957	V		
2681 -799,1499		2891 811,881	V	3027 1691,2345		3227 -703,2265		3465 -1009,2449			
2691 -585,1229	V	2893 537,1589	V	3029 -693,2103		3227 -1397,2291		3477 -739,2719			
2697 563,1235		2893 611,663	V	3031 -921,1659	V	3231 -2083,2225	P	3479 741,2043	V		
2701 2125,2199		2893 855,1845	P	3031 -633,1965		3231 1775,2495	P	3481 -1533,2007	V		
2703 1493,2111		2893 -1185,2237		3031 -661,2391		3233 701,913	V	3481 -1061,2125	V		
2709 577,829	V	2893 -801,2345	V	3033 2201,2327	V	3239 2389,2553	V	3483 -809,1513	V		
2709 1949,2147	V	2899 -675,2001		3043 1345,2399	V	3241 711,1361		3485 751,921	V		
2717 -633,1875		2905 657,1233		3047 647,691		3241 -1403,2301		3493 -1025,1969	V		
2727 -1547,2089	V	2905 -1269,1719		3047 -687,1795		3245 1423,1433	F	3493 -797,2423			
2727 -515,2131	V	2907 619,1265		3051 -1655,2413	V	3249 911,1253	V	3501 -815,1519	V		
2737 -725,1907	V	2907 -857,1625		3055 -711,2109		3249 -1253,1825	V	3505 1267,1537	Fa		
2737 -619,1943		2907 -1831,2045	P	3059 -641,2361		3249 -911,1825	V	3507 -1073,2545			
2737 1531,2109		2907 -1265,2135		3059 -821,2399		3249 -2093,2239	P	3509 -991,2749	V		
2737 1205,2157	V	2907 -619,2135		3069 841,907	P	3249 -1253,2509	V	3509 -747,2751	V		
2739 743,809	P	2907 2243,2279	C	3069 2207,2351	V	3249 -911,2509	V	3513 757,1585			
2745 1991,2171	V	2911 -1605,2371	V	3069 2219,2405	P	3249 1825,2509	P	3513 2135,2549			
2751 -731,1915	V	2913 -1307,2257		3073 649,901	V	3249 2539,2557	C	3519 -745,2893			

Table 1 (continued)

3521 -969,2447		3751 -813,2905	V	3999 2257,3137		4269 -973,2963		4837 1047,2797	V		
3521 -1545,2501	P	3759 -1103,2119	V	4009 -1635,2317		4269 -1189,3071		4837 -1359,3485			
3523 -807,2755		3771 2713,2893	V	4015 867,1087		4277 927,1193	V	4847 -1057,2125	V		
3531 973,995	C	3773 855,1107	V	4025 -877,3113		4277 1185,1255	V	4863 -1447,3419			
3535 1501,2511	P	3773 -1093,2659	V	4047 -1193,2845		4301 2429,3041	V	4865 1053,2747	V		
3549 -1565,2075		3773 -1051,2715	V	4053 883,925		4305 -1867,3047	P	4875 1999,2149	PF		
3553 -1057,2003		3777 815,1703		4053 1097,1139	V	4313 -1759,2781		4883 -1105,3521	V		
3553 2577,2611	V	3781 -1563,2237		4053 883,1777		4313 -1211,3329	V	4921 -1321,3859			
3555 997,1393	V	3787 1059,1129	V	4053 925,1777		4319 989,1783		4925 2069,2169	PF		
3563 771,1595		3787 825,1583		4053 913,1789		4319 1829,3063	P	4925 -1769,2171	PF		
3563 -813,2617		3787 -1101,2145	V	4053 883,1819		4323 -1207,2999		4939 -1069,2865			
3565 803,1033	V	3787 -1541,2787		4053 925,1819		4345 941,2521	V	4963 -1451,2803	V		
3567 769,1609		3813 -1351,2089	C	4053 1777,1819		4345 -1163,2787	P	4975 -1789,2191	PF		
3567 -1609,1999		3813 -1723,2461		4053 2489,2915		4345 -1613,3193		5017 -1961,3691			
3567 -769,1999		3815 -1111,2159		4063 1833,2989	V	4347 985,2455	V	5025 -1811,2209	PF		
3573 1057,1111	V	3815 -1137,2783		4067 1119,1189	V	4351 -1775,2805		5035 -1363,3937	V		
3575 2517,2803	V	3817 -1605,2993		4067 -1133,2885	V	4351 -1221,3359	V	5041 1847,2131	V		
3577 757,2017	V	3825 2657,2693	P	4081 -1831,2833	V	4361 1275,1289	V	5041 3123,3549	V		
3577 771,2101	V	3829 -1115,2167		4101 935,1799		4361 923,2519	V	5043 1967,2213	V		
3577 -1007,2521	V	3829 -835,2447		4101 2623,2845		4361 -1291,3159	V	5043 -1477,2951	V		
3591 -1063,2773		3831 827,1727		4101 2617,2851		4367 -1169,2801	P	5043 3199,3691	V		
3601 -821,2503		3831 -1067,2329		4101 -1217,3217		4367 2791,3209		5047 -2215,2935	V		
3615 -779,2509		3831 -1169,2755		4103 -1085,2577		4369 2467,3079	V	5053 -2217,2929	V		
3615 -1007,2623		3831 -839,2761		4107 887,1553	V	4371 953,1961		5071 1405,1823			
3619 1283,1537		3831 -863,2773		4107 937,1801		4371 -989,3079		5073 -1373,3967	V		
3619 -1537,2599		3837 -1171,2783		4107 -1111,2885	V	4375 947,1283	V	5075 -1831,2229	PF		
3619 -1283,2599		3843 893,1073	V	4109 1153,1195		4377 1303,1615		5075 2131,2231	PF		
3619 -829,2643		3855 -869,2729		4109 -1195,2907	V	4377 -1291,3083		5075 -1983,3733			
3619 1483,2799	V	3857 831,1041	V	4109 -1153,2907		4377 -1339,3149		5093 3263,3725			
3619 -1537,2853		3861 -1085,2489		4109 -1195,2963		4403 -1237,2537		5125 2101,2251	PF		
3619 -1283,2853		3861 -875,3019	V	4109 -1153,2963	V	4417 -1923,3125		5141 -1363,3725			
3619 2599,2853		3869 2727,2833	V	4109 2907,2963		4417 -963,3461		5159 1381,1425	P		
3621 793,1621		3871 1065,1079	V	4109 2385,3173		4445 -1243,2567	V	5183 3163,3601	V		
3627 -1129,1289	V	3871 839,2183	V	4123 933,1157		4459 -1303,3163	V	5201 -1187,3797			
3629 821,2607	V	3871 -1699,2251	V	4123 933,1199	V	4473 -1849,3263		5225 -2303,3017			
3629 2671,2801		3875 -1377,2127	C	4123 1157,1199		4479 -1225,3457		5225 -1131,3031			
3633 823,1627		3875 -1749,2499		4123 -1199,2917		4489 1207,1743	V	5243 -1551,3799	V		
3633 -1075,2039		3879 -2479,2693	P	4123 -1157,2917	V	4495 1017,1307	V	5247 -2203,2945	P		
3641 983,1291		3883 1027,1401		4123 -933,2917		4499 1193,1215	C	5249 -1133,2943			
3641 1487,2811	V	3883 841,2253	V	4123 -1199,2973	V	4501 1027,1857		5299 -1467,4091			
3641 -1543,2867		3887 841,887	P	4123 -1157,2973		4501 -1263,2595		5313 1427,1471	C		
3645 1081,1351	V	3891 1147,1447		4123 -933,2973	V	4503 -1219,3521	V	5327 1153,1489	V		
3645 -847,1583	V	3891 2489,2699		4123 2917,2973		4515 -1313,2557		5335 1433,1477	P		
3655 -1009,2689		3891 -1075,2705		4123 -1199,3183		4515 -977,3293		5339 -1489,4131	V		
3661 -991,2147	V	3893 2865,3069	V	4123 -1157,3183	V	4533 1025,1997		5353 1987,3789	V		
3661 -1009,2827		3895 -1033,3067	V	4123 -933,3183		4533 -1685,3187		5397 -1495,3937			
3663 -1139,1303	V	3897 -2489,2707	P	4123 2917,3183	V	4539 1027,1999		5401 1949,3797	V		
3667 -801,2673		3901 1183,1747	V	4123 2973,3183		4539 3209,3311	V	5403 1597,2005			
3669 -1013,2545		3913 -1705,2775	P	4125 2659,3011		4541 -1275,3505	V	5425 1503,1517	V		
3669 -1025,2551		3913 -1661,2811		4131 2911,3013	V	4557 -1999,2651	V	5453 -1177,3989			
3669 -791,2647		3913 -1165,3021		4151 -1149,2981		4563 -1873,2573	V	5457 3329,3947			
3675 -841,2309	V	3915 2839,3071	C	4155 947,1823		4571 2659,3529		5489 2011,3859	V		
3675 -793,2657		3927 -1201,2777	V	4155 -1619,2989		4577 999,1045	P	5525 3091,3241	F		
3681 839,857	V	3927 -1699,2789		4161 1117,1231		4593 2579,3545		5547 1547,2321	V		
3689 779,1031	V	3927 1703,2825	P	4161 -937,2999		4613 -1005,3335		5555 1493,2043			
3689 2021,2083	C	3927 -1651,3079		4161 -1231,3263		4613 -1045,3365		5575 -3119,3571	F		
3689 -1021,2619		3939 1205,1421		4161 -1117,3263		4631 1943,3627	V	5577 1499,2005			
3705 1603,2857	V	3939 887,1739		4165 1161,1231	V	4641 2605,3583		5605 -1517,4383	V		
3717 1103,1157	V	3939 863,1763		4165 -1217,2997	V	4655 1009,2689	V	5611 3137,3261			
3717 787,1537		3939 -899,2737		4171 -1101,3027		4655 -1899,2699		5613 -1667,4063			
3717 -1081,2105		3939 -1091,2833		4179 947,2417	V	4695 -1397,2953		5625 3299,3449	F		
3721 -1341,2197	V	3945 1207,1423		4179 -1217,3011		4699 -1387,3439		5667 -1565,4087			
3721 -1097,2685	V	3951 2743,2779	P	4205 -1159,2611	V	4701 -1063,3305		5671 1657,3459	V		
3729 805,1025		3953 -1089,2797	V	4209 961,1651	P	4719 -1253,3697	V	5673 -2377,3203	P		
3729 1007,1051	C	3955 837,1103	V	4209 -917,2959		4739 -1401,2661		5673 -1567,4103			
3729 -1025,2591		3955 -1613,2907	V	4209 -1253,2965		4739 -1321,2741	V	5675 -3181,3629	F		
3729 -805,2591		3959 -1167,2899		4213 1117,1161	C	4743 -1451,3343	V	5719 2115,2521			
3729 -817,2699		3961 855,2215	V	4215 -919,2969		4743 -1307,3715	V	5721 -1691,4123			
3729 -1033,2705		3961 -1153,2893		4215 -961,3041		4753 1077,1329	V	5725 3209,3359	F		
3731 809,1543		3969 -1637,2899	V	4225 -1559,2991	V	4755 -1411,3671		5727 -1693,4145			
3731 -1103,2593		3983 843,1165	V	4249 921,1243	V	4757 -3037,3353	V	5733 -2515,3335	V		
3731 -1627,2637		3983 909,1625		4249 -1903,2953		4761 2759,3449	V	5735 2497,3607	P		
3731 2165,2875		3983 -1119,2815		4255 971,1661	P	4767 -1409,2677	V	5775 -1613,4177			
3737 -1093,2947	V	3993 -911,2887		4255 -1911,2381		4805 -1859,2791	V	5797 2525,3647	P		
3741 -2389,2657	V	3999 2195,2257	C	4263 1301,1541		4807 2017,3765	V	5833 2141,2571			
3743 857,1005		3999 2195,3137		4263 2341,3343		4829 3395,3527	V	5859 -2459,3307	P		

Table 1 (continued)

5883 -2297,4243
5921 3311,3435
5937 1763,2195
5943 1765,2197
5991 -1673,3655
5997 3671,4325
6045 1787,2243
6061 4261,4393 V
6213 -1735,4481
6241 -2369,3951 V
6265 -3817,4583 V
6267 -1861,4517
6281 -1687,4023 P
6303 -1745,3985 P
6327 -2789,3671
6419 -1899,4651 V
6561 -2753,4051 V
6627 -2539,4793 V
7203 -2647,4409 V
7375 3049,3099 PF
7475 -2891,3089 PF
7525 -2909,3111 PF
7625 3151,3201 PF
8801 3359,3411 PFa

21 crossing

507 83,437
645 -209,221 C
651 -181,211 C
711 -229,563 V
729 -395,577 V
783 107,647
891 -505,683 V
899 125,745
909 -293,697 V
945 173,227 V
945 -673,743 C
957 511,775 V
973 415,765 C
979 167,453 V
987 425,775 C
1015 -727,797 C
1067 193,775
1077 -347,371 C
1079 -345,817 V
1083 -331,349 C
1111 203,809
1131 -233,521
1175 -211,989 V
1183 177,1019
1215 -323,1027 V
1225 -929,1031 V
1241 -211,1013 V
1243 1009,1031 P
1249 -503,697 F
1255 -703,803 F
1261 -999,1077
1275 -971,1069 V
1293 -413,449 C
1299 -409,415 C
1299 -701,1031
1323 709,1003 V
1323 -419,1051 V
1325 -239,1111 V
1343 325,1141
1347 -919,1069
1359 -373,923 V
1377 253,739 V
1395 -913,947 V
1417 -453,1073 V
1431 767,1085 V
1431 -397,1115 V
1449 -803,1129 V
1449 265,1175
1457 229,1073
1457 -253,1235 V

1461 -301,343
1461 -791,1157
1467 -817,1139 V
1485 -413,1153 V
1495 -289,309 C
1505 -271,291 C
1509 -311,317
1509 -1171,1195
1515 -1181,1199
1519 -349,1205 V
1519 -1179,1241
1521 -995,1033 V
1539 287,827 V
1547 321,1317
1557 -437,1057 V
1563 -847,1213
1599 -851,1363
1611 361,1313
1639 373,1343
1649 -573,1367 V
1649 -1367,1401
1649 573,1401
1659 289,1223
1661 1191,1279 V
1671 -1141,1279
1677 -1145,1325
1683 317,779 V
1683 767,1379
1705 321,761 V
1705 773,1393
1725 -937,1363
1729 -373,1375 V
1731 -983,1325
1749 897,1429
1749 485,1451
1749 -1427,1471 C
1767 -1367,1405
1767 373,1489
1767 563,1493
1781 -969,1497
1791 431,1387
1791 395,1459
1809 331,385 V
1833 -1405,1429
1833 -317,1555 V
1837 313,981
1839 -427,847
1843 577,1547
1843 387,1551
1845 -589,1301 V
1863 -595,1457 V
1863 -1415,1507
1869 433,1525
1881 -1037,1471 V
1887 -443,815
1887 -1045,1447
1891 417,1291
1893 -391,865
1893 -1073,1451
1897 -1125,1507 V
1899 -607,659 V
1903 327,437 V
1903 433,521 V
1917 -395,1333 V
1919 355,1583
1925 787,1487 V
1925 871,1619 C
1927 303,1419
1935 -1039,1469 C
1941 -455,893
1947 -457,889
1947 797,1505 V
1947 -1493,1511
1947 457,1637
1947 889,1637 C
1953 -1049,1483 C

1969 447,535 V
1969 337,1053 V
1971 367,475 V
1989 -635,691 V
1991 353,1649
1995 -379,419 C
1995 -419,911
1995 -379,911
2001 -1651,1697 C
2007 -1123,1553 V
2009 -461,701 V
2009 1441,1483 P
2009 -629,1555 V
2015 477,633 V
2015 381,1479
2015 -1081,1709 V
2023 -465,711 V
2025 -647,1567 V
2035 347,1087
2041 1401,1583 V
2041 -1103,1723 V
2043 -421,941 V
2043 -653,1435 V
2049 -1159,1573
2051 1123,1459 V
2057 353,1101 V
2057 463,1211 V
2065 541,1131 V
2065 -1459,1641
2067 -311,961
2071 325,1689
2077 381,1495
2079 1643,1697 V
2079 935,1711
2091 -1501,1535
2093 -631,1623 V
2093 -607,1661 V
2093 -1545,1775 C
2097 505,1637
2107 1499,1555 P
2109 -1439,1619
2119 -1679,1783
2121 -1171,1685 V
2123 571,1761
2123 -1741,1785 C
2133 -467,1693 V
2133 1633,1741 V
2139 -367,553
2139 -1583,1813 C
2145 367,1147 V
2147 337,1467
2147 623,1753
2147 681,1811 V
2167 391,1179 V
2167 403,1191
2169 -661,1481 V
2183 451,1843
2185 347,1497
2185 631,1781
2185 687,1837 V
2187 1675,1729 V
2189 379,1175 V
2189 389,1185
2189 401,1197 V
2189 -645,1621 V
2189 1015,1811
2191 -1243,1739 V
2197 493,519 P
2197 -389,1743 V
2197 -1249,1793 V
2205 -1711,1801
2205 1021,1861 V
2219 -695,1559 V
2219 -1199,1755 V
2219 -1277,1761 V
2223 -679,1733 V

2223 -385,1877 V
2231 -1845,1891 C
2241 -1459,1529 V
2241 -1241,1747 V
2241 1715,1823 V
2245 -943,1337 F
2249 -1277,1837 V
2255 -1343,1363 F
2259 -509,1219 V
2261 -1543,1781
2261 359,1845
2277 -1229,1807 V
2289 -1237,1787 V
2289 -719,1801 V
2289 965,1819
2291 533,707 V
2295 -1493,1567 V
2295 -1279,1781 V
2295 1813,1867 V
2295 -1493,1873 V
2295 1567,1873 V
2299 395,1231 V
2299 527,1363 V
2301 -347,607
2301 -721,1757 V
2313 -707,1795 V
2317 -653,1839 V
2319 -479,539
2321 401,1909
2329 -1499,1901 V
2329 -487,1927 V
2331 -733,1607 V
2345 1333,1627 V
2353 1615,1797 V
2359 -487,501
2359 1059,1733 V
2363 -667,1951 V
2365 439,1959
2367 -725,1615 V
2367 -745,1847 V
2369 -715,1631 V
2373 -551,557
2379 -1541,1631
2379 1661,1817 V
2385 -1319,1861 V
2401 -547,839 V
2401 -1303,1889 V
2403 -541,1907 V
2405 1113,2023 V
2407 565,1551 V
2409 457,1333 V
2409 1075,1951
2409 635,1961
2413 443,1989
2415 -421,1091
2415 1051,1919
2421 -763,851 V
2421 -457,983
2427 -509,569
2431 -381,641
2431 381,1999
2431 641,1999
2431 1125,2009
2433 -511,565
2439 -767,859 V
2439 -461,997
2443 705,1097 V
2453 421,553 V
2453 1801,1889 V
2457 1003,1705 V
2475 -581,1069 V
2475 581,1381
2475 1069,1381
2475 -1381,1919 V
2475 581,1919
2475 1069,1919

2481 -1699,1801
2485 -571,899 V
2493 -515,1147 V
2493 -785,1933 V
2499 -1357,1961 V
2507 -935,1153
2513 -787,1367 V
2519 1069,1985
2519 435,2051
2519 1157,2073
2529 -797,1741 V
2541 -547,1147
2547 -535,1163 V
2555 527,1663
2563 1087,2019
2583 -487,1115
2583 -809,1405 V
2587 -1537,2045 V
2597 -2013,2119
2611 -1437,2021 V
2611 -821,2049 V
2619 -541,1817 V
2623 -757,951
2625 613,2137
2635 579,1801
2637 -619,1829 V
2639 1215,2069
2639 -1901,2097
2641 469,2077
2643 -569,833
2649 -583,1183
2651 1217,2149
2651 1229,2159
2653 1221,2089
2665 -417,1223
2669 -469,707
2681 -1453,2075 V
2695 509,619 V
2695 1877,1933 P
2695 1877,2087 V
2695 1933,2087 V
2695 -729,2141 V
2697 -1849,1939
2709 481,1489 V
2709 -569,1879 V
2737 831,1181 V
2737 565,1781
2737 -767,2021 V
2737 -2111,2153 C
2737 -1481,2259 V
2743 -827,2127 V
2745 -1229,2101 V
2747 -475,1083 V
2751 -617,755
2751 835,1621 V
2755 1207,1777
2757 -607,757
2759 1263,1759
2761 1245,2249
2761 523,2271
2763 -521,1261
2763 -1501,2183 V
2769 -485,1219
2771 435,2285
2779 -1643,2151 V
2793 1945,1987 P
2793 827,2297
2811 -1823,1925
2829 623,2045
2831 2233,2309 V
2835 521,1601 V
2839 499,1587
2839 1303,2085
2849 -1285,1601 V
2849 505,2311
2859 -653,899

Table 1 (continued)

2859 -641,1265
2865 -619,901
2867 643,1989
2869 529,2039 V
2873 -609,1125 V
2873 -601,2357 V
2875 611,2241
2875 2017,2267 V
2877 -503,1303
2877 -901,2081 V
2889 605,1247 V
2891 -911,1567 V
2891 -659,2295 V
2893 501,1553 V
2893 811,2379
2893 1339,2391
2905 -891,1599 V
2907 -637,655
2907 535,2065 V
2907 -655,2225 V
2907 637,2225
2907 -2225,2297
2907 -637,2297 V
2907 655,2297
2913 -677,1331
2915 1301,2361
2915 817,2373
2921 -1645,2265 V
2925 -641,659
2925 -641,2239 V
2925 659,2239
2925 -2239,2311
2925 -659,2311 V
2925 641,2311
2933 -605,633
2933 1045,2263 C
2941 521,1643
2941 1349,2165
2943 2279,2387 V
2945 1351,1909
2945 2327,2403 V
2947 1055,2273 C
2967 -653,833
2967 -689,1289
2967 -641,1337
2973 -691,1285
2973 -679,1303
2983 883,2453
2989 -937,1625 V
2989 -687,2337 V
2989 -1695,2365 V
2993 -2077,2159
2995 -1213,1757 F
2997 559,1693 V
3003 541,1633
3003 -941,2293 V
3005 -1187,1217 F
3025 571,1671 V
3025 681,1781 V
3027 -1949,2087
3027 -2075,2195
3031 -2069,2377
3043 -1647,2501 V
3047 559,1667
3047 577,2481
3051 -899,2215 V
3069 -691,1667 V
3069 -797,2239 V
3073 -1353,2159 V
3073 -705,2431 V
3075 -677,1373
3081 -691,1363
3081 -1667,2441
3087 -1753,2363 V
3091 857,2509
3103 1395,2381 V

3105 727,1417 V
3105 -721,2159 V
3111 -551,823
3113 657,877 V
3113 587,1719 V
3123 -655,2171 V
3123 -923,2479 V
3129 -2029,2143
3129 -2155,2479
3131 555,2273
3135 557,1697
3135 -1697,2483
3135 557,2483
3135 679,2599
3139 -655,913
3139 -2233,2319
3143 821,863 V
3143 -2425,2467 C
3145 653,2237
3145 1107,2593
3151 -553,827
3151 -1787,2169 V
3157 -551,879
3157 587,1735
3157 599,1747 V
3157 2041,2305 V
3157 1411,2559
3171 -1747,2495 V
3171 -893,2509 V
3179 839,1125 V
3179 591,2027
3179 2303,2633 V
3183 -725,1397
3183 -2191,2245
3183 -2239,2521
3185 -1009,2491 V
3185 -841,2519 V
3189 -715,895
3193 -979,2523 V
3193 -571,2529 V
3195 -749,2221 V
3195 -659,2311 V
3195 -2341,2521
3197 717,995 V
3197 -1801,2201 V
3197 681,2631
3199 -1739,2475 V
3199 -1893,2517 V
3199 -927,2531 V
3211 563,2253
3213 607,1795 V
3223 -875,2271 V
3239 941,2257
3243 -2069,2255
3245 611,1791
3249 737,2503
3249 -1753,2579 V
3267 -967,1145 V
3267 617,1805 V
3267 749,1937 V
3269 1329,2575
3277 -601,2563 V
3283 -1007,2311 V
3283 -867,2563 V
3283 -2545,2679
3285 -689,1501 V
3285 -707,2317 V
3287 577,2307
3289 1483,2679
3291 -2269,2311
3297 -751,1039
3297 -1039,2321 V
3297 751,2321
3297 -1817,2579
3297 -2321,2609
3297 -751,2609 V

3297 1039,2609
3303 -767,1435 V
3315 -1007,2563 V
3321 -989,1225 V
3321 -685,1529 V
3321 -919,2267 V
3325 -2363,2573 C
3333 -2413,2615 C
3335 2433,2723 V
3339 697,2165
3345 -2167,2293
3345 -1813,2647
3351 -1853,2615
3351 -2309,2651
3355 1427,2647 V
3355 2449,2779 V
3357 -787,1451 V
3357 -2185,2291 V
3357 -931,2363 V
3357 -731,2437 V
3363 1481,1823
3367 -2365,2393 C
3367 -1061,2439 V
3367 -893,2649 V
3373 -701,2449 V
3375 -739,2591 V
3377 713,1941 V
3377 955,2183 V
3377 -877,2193 V
3377 -2153,2379 V
3379 787,1005 V
3381 1481,1969
3381 -1037,2449 V
3381 -911,2617 V
3381 -1945,2675 V
3383 -895,997 C
3383 -605,2761 V
3383 -2653,2789
3393 -2137,2387 V
3395 -779,2651 V
3395 -1039,2671 V
3397 -709,1503
3397 2157,2789 V
3399 -883,2207 V
3399 -2159,2395 V
3399 2173,2503 V
3399 -1843,2689
3403 -769,1445
3405 -1883,2657
3411 -2147,2401 V
3411 635,2767
3417 -965,2809 V
3421 645,1889 V
3421 1455,2699 V
3421 2457,2809 V
3427 -1943,2657 V
3439 783,2475
3443 639,2793
3447 -2243,2353 V
3447 -959,2425 V
3447 -743,2731 V
3451 -1013,1523 C
3451 2047,2453 V
3453 -2395,2401
3453 -2377,2701
3459 -2231,2381
3459 -2369,2489
3459 -2699,2705
3465 -1021,1289 V
3465 -1061,2719 V
3471 727,2833
3479 941,1083 V
3479 -925,2449 V
3479 -1973,2717 V
3483 -719,1603 V
3483 -971,2377 V

3485 -1027,1537 C
3485 2067,2477 V
3487 739,2693
3493 -1095,2531 V
3493 1485,2703 C
3493 -927,2741 V
3495 -1433,2077 F
3503 621,2543
3503 -983,2859 V
3505 -2083,2123 F
3507 -2473,2719
3509 925,947 V
3509 -1035,1231 V
3509 1605,2881 V
3509 1627,2903 V
3513 -2477,2741
3519 -1595,1975 V
3521 1521,2503 C
3531 665,1949
3535 1557,2483 C
3535 -2481,2789 C
3537 2761,2869 V
3553 -941,1043 C
3553 -1047,1263 V
3553 -973,2503 V
3553 925,2749
3553 -1263,2917 V
3553 1047,2917 V
3553 -2787,2923
3555 -1591,2729 V
3555 757,2753
3555 -1919,2821 V
3561 -2455,2755
3561 -2761,2785
3563 -1117,2509 V
3563 1539,2757 C
3565 -1093,2817 V
3567 -781,1597
3567 -2459,2789
3573 -769,1613 V
3573 -2021,2743 V
3575 -779,831 C
3575 -1579,2121 F
3577 -951,2591 V
3577 -1091,2829 V
3589 2595,2817 P
3591 935,1943 V
3591 -773,2809 V
3591 -1943,2845 V
3591 -935,2845 V
3597 679,811 V
3597 785,2093 V
3597 2317,2581 V
3599 1587,1953
3599 1061,2477
3601 839,2485
3609 -745,2603 V
3615 -1993,2803
3615 -2539,2821
3619 625,977 V
3619 821,2137
3619 2495,2777 V
3619 1579,2825
3625 -1299,1601 F
3625 1621,2781 V
3627 -821,1597 V
3629 -965,2855 V
3633 635,2683
3633 1585,2873
3641 629,1003 V
3641 829,2153
3641 2855,2987 V
3649 785,2097 V
3657 -2587,2693
3661 -1153,2571 V
3661 -1061,2859 V

3661 -2167,2873 V
3663 773,971 V
3663 -799,1643 V
3663 -761,1681 V
3663 -1643,2131 V
3663 799,2131 V
3667 975,2837
3667 1081,3011 V
3669 -2047,2845
3669 -2839,2863
3675 -2351,2549
3675 -1121,2869 V
3681 -769,1685 V
3681 -1093,2921 V
3685 1091,2539
3685 991,2991
3689 -773,835 C
3689 -2591,2647 C
3689 -2647,2715
3689 -2591,2715
3689 -1039,2881 V
3689 -2033,2895 V
3699 -845,1621 V
3699 1117,2719
3703 783,1105 V
3707 -963,2689 V
3717 971,1097 V
3723 -2059,2881
3723 -2053,2911
3729 -2087,2885
3731 1143,1689 V
3731 867,2577
3731 705,2629
3731 2697,2879 V
3731 -2677,2887 C
3737 -1097,2943 V
3741 793,3077
3743 781,2765
3745 -1523,2217 F
3749 1697,2029
3751 989,1033 V
3751 1695,3059 V
3751 1739,3103 V
3753 -811,1691 V
3753 -845,2881 V
3753 -2035,2969 V
3755 -1477,1527 F
3757 -2109,3059 V
3759 -785,799
3759 -1153,2069 V
3759 -1013,2641 V
3771 -1123,2711 V
3773 -1189,2045 V
3773 1709,2787 V
3773 801,2917
3775 1631,2119
3775 -2619,3081
3777 -851,1151
3777 -827,1157
3777 -2089,2947
3781 -1543,1657
3781 869,2713
3781 793,2789
3781 -991,2989 V
3783 -829,1153
3783 -2111,2933
3787 -1003,2931 V
3787 1695,2983
3789 -787,1739 V
3791 699,2059
3791 1341,3119
3807 -829,1709 V
3813 -859,1169 C
3815 1103,1677 V
3815 2103,2817 V
3815 -2809,2991

Table 1 (continued)

3825 -889,1661 V	4023 -919,2825 V	4215 -949,1291	4383 -1001,3427 V	4593 -991,1273			
3829 1081,2175 V	4023 -2285,3079 V	4215 -2903,3233	4383 947,3427	4599 -965,2101 V			
3829 -2819,3015	4025 1053,1067 V	4221 899,2987	4387 -769,2013	4599 -1003,3335 V			
3831 -2143,2965	4025 1739,2889 V	4221 1795,3001 V	4399 1789,3449 V	4599 -1003,3377 V			
3837 -2645,2705	4025 -2903,3183	4221 -2987,3295	4401 -1385,1549 V	4599 3335,3377 V			
3837 -2141,2975	4041 -923,2227 V	4221 899,3295	4401 -1297,3167 V	4599 1943,3637			
3839 2819,2973 V	4041 883,3113	4223 -2329,3439 V	4403 1209,1335 V	4601 2527,3169 V			
3839 2757,3131 V	4043 1505,2233	4225 967,2933	4403 2501,3103 V	4607 -1221,2077 V			
3839 1753,3149 V	4043 927,2805 C	4235 1143,1187 V	4403 -3061,3467	4607 -975,3615 V			
3843 1135,2647	4059 -2237,3175 V	4235 1893,3433 V	4411 1013,3189	4609 1245,1641 V			
3861 691,1021 V	4063 -861,3185 V	4235 1937,3477 V	4417 1277,2539 V	4609 1237,1655 V			
3861 -881,2089 V	4067 1121,1247 V	4239 -1261,3077 V	4417 3063,3203 V	4609 3559,3603 V			
3861 1439,2843 V	4067 -1275,2211 V	4239 -1259,3349 V	4417 2433,3259 V	4613 1949,3601			
3861 833,3017	4067 3133,3299 V	4249 -1299,2985 V	4417 -3071,3463	4617 -1079,3349 V			
3871 1749,2855 V	4069 945,2811 C	4249 -1865,2991 V	4419 -923,2023 V	4625 983,3767			
3871 -1219,2995 V	4077 -2627,2809 V	4255 -1301,3299 V	4419 -1211,3199 V	4631 821,1283 V			
3871 -2227,3023 V	4077 -881,2863 V	4257 -893,1237	4431 -2693,3215	4631 1961,3645 V			
3875 -877,1187 C	4077 -847,2933 V	4257 -995,1843 V	4437 1033,1381 V	4631 3403,3777 V			
3875 -1401,1699 F	4077 -2215,3221 V	4257 1901,3449	4437 -931,3209 V	4635 -1087,2003 V			
3879 -2137,2999 C	4081 -1081,2867 V	4263 1133,1175 V	4445 -1181,3439 V	4635 -1049,3361 V			
3879 -1751,3001 V	4081 -1101,3211 V	4263 1259,1931 V	4455 -1007,1963 V	4641 -2671,3629 V			
3879 -2191,3053 C	4081 2999,3351 V	4269 -1327,1519	4455 -1403,3133 V	4647 -3359,3371			
3883 695,1091 V	4097 -2299,3209 V	4269 -2939,2999	4459 -1023,1609 V	4653 1699,3001			
3883 827,2239 V	4101 -2641,2827	4275 -1003,3083 V	4459 3093,3275 V	4653 -1003,3569 V			
3885 -811,839	4101 -2323,3145	4277 -909,937	4459 -2619,3499 V	4655 1427,2043 V			
3885 -2677,2977	4103 757,1153 V	4277 -1347,2319 V	4465 1017,3213	4655 -2043,2563 V			
3887 905,2683	4103 1461,2953 V	4277 -1311,3309 V	4469 3231,3449 P	4655 -1427,2563 V			
3891 -3011,3017	4103 943,3215	4293 -935,1927 V	4473 1049,3179	4655 -2043,3277 V			
3893 -2133,3171 V	4103 3217,3349 V	4293 -1351,3023 V	4473 -3179,3235 C	4655 -1427,3277 V			
3897 -2147,3013 C	4107 -1259,3181 V	4301 899,2643	4473 -1049,3235 V	4655 2563,3277 V			
3897 -2153,3019 C	4109 1075,1257 V	4305 -899,1831	4473 1961,3529 C	4659 -2739,3645 V			
3897 -2149,3047 V	4109 2893,2921 P	4305 899,2791	4477 793,969 V	4669 -2649,3651 V			
3897 -841,3083 V	4109 -2921,2949 C	4305 1831,2791	4477 1233,1255 V	4671 -1009,3293 V			
3901 -1225,1689	4109 -2893,2949 C	4305 -2791,3089	4477 -1165,3147 V	4671 -2537,3691 V			
3905 1037,1103 V	4109 -2921,2977 C	4305 899,3089	4477 2001,3629 V	4675 1391,3309			
3905 1767,3187 V	4109 -2893,2977 C	4305 1831,3089 C	4477 2023,3651 V	4681 -1957,2693 V			
3913 -831,1691	4109 2949,2977 P	4307 -2357,2475	4485 -967,2023	4689 -1841,3379 V			
3913 831,2523	4113 -965,1777 V	4311 -905,3109 V	4491 -967,3155 V	4689 -2113,3629 V			
3913 1691,2523	4113 -1145,2833 V	4313 905,3181	4491 -1325,3229 V	4695 -1013,2117			
3913 909,2703	4113 -931,2957 V	4317 -2755,2995	4495 -1377,3553 V	4697 -1663,1997			
3913 -2523,2781	4121 -719,1817	4319 1895,3041 C	4499 1593,3291	4697 1663,3371			
3913 831,2781	4123 1081,1263 V	4319 3133,3175 V	4501 1181,1237 V	4697 1997,3371 C			
3913 1691,2781 C	4123 -2903,2931 C	4319 1529,3407 C	4501 1377,2035 V	4697 -3621,3635 C			
3925 -1721,2329 F	4123 -2931,2959 C	4323 2713,3175 V	4501 3125,3265 V	4697 1289,3683			
3927 1697,2791 C	4123 2903,2959 P	4329 -1289,3139 V	4501 1985,3525 C	4697 -3371,3705			
3933 -889,2855 V	4123 -2959,2987 C	4329 -1315,3347 V	4501 -3481,3551 C	4697 1663,3705 C			
3939 -2773,3019	4123 -2903,2987 C	4335 -1189,3401 V	4505 1303,1337 P	4697 1997,3705			
3945 -2237,3023	4123 2931,2987 P	4345 823,1197 V	4509 -1027,3527 V	4707 -2633,3643 V			
3945 -2771,3059	4123 -1263,3259 V	4345 777,3403	4509 -1333,3563 V	4709 -1015,2079 V			
3955 -1209,3061 V	4123 -1081,3259 V	4347 991,1369 V	4511 1051,3113	4709 987,2857			
3955 -901,3089 V	4125 761,1091 V	4347 -1369,1529 V	4511 1033,3131	4711 2035,3349 C			
3969 1175,1217 V	4125 871,2371 V	4347 -991,1529 V	4515 1991,3559 C	4725 -1079,3331 V			
3969 -1171,1475 V	4131 -863,2971 V	4347 -1369,2357 V	4527 -1031,1987 V	4725 1387,3473			
3969 -829,2879 V	4141 -1701,2339 V	4347 -991,2357 V	4527 -977,3469 V	4725 -2683,3617 V			
3971 1839,3283	4141 1135,3211	4347 1529,2357 V	4527 1027,3545	4739 -1279,3719 V			
3979 -873,1795	4147 883,1169 V	4347 1297,3077	4531 1313,3149	4741 1303,3405			
3979 -1217,2739 V	4149 -871,1895 V	4347 -1961,3331 V	4531 -1221,3507 V	4741 1703,3489			
3983 -1059,2355 V	4149 -905,2983 V	4351 999,3123	4533 -3271,3289	4741 2007,3731			
3983 -1221,2797 V	4151 -1103,2915 V	4351 919,3203	4537 -989,1041 C	4743 2143,2755			
3987 -1175,1483 V	4151 1735,3275 C	4361 -2561,3431 V	4541 -1199,3581 V	4743 2147,3065			
3987 -1105,2747 V	4155 -2353,3187	4365 -943,997	4543 -981,995	4743 -1033,3413 V			
3993 -899,1763	4161 -2927,3191	4365 -997,3377 V	4543 -2665,3593 V	4743 -1301,3721 V			
3993 -875,1787	4165 1107,1233 V	4365 943,3377	4557 1345,2059 V	4749 -2887,3427			
3993 -2575,2749	4167 -949,2939 V	4365 -3377,3413	4557 809,3307	4753 -1259,1457 V			
3999 -839,901 C	4171 -2369,3257 V	4365 -943,3413 V	4559 1043,1431 V	4753 -1457,2617 V			
3999 -901,1765	4183 779,2941 V	4365 997,3413	4563 -1063,3311 V	4753 1259,2617 V			
3999 -839,1765	4185 743,3037	4367 827,1179 V	4563 -1349,3493 V	4753 -2617,2815 V			
3999 -2267,3065	4185 -1243,3203 V	4371 -1199,1361	4565 1933,3593 V	4753 -1259,2815 V			
3999 -2753,3095	4185 -901,3239 V	4375 -1179,2571 V	4565 3307,3703 V	4753 1457,2815 V			
4005 -913,3173 V	4199 963,2913	4375 -1269,3421 V	4571 -2711,3575 V	4753 3415,3429 P			
4009 873,2925	4199 959,3019	4375 1779,3431	4581 -1265,3631 V	4769 -1247,3773 V			
4011 1187,1733 V	4203 -905,1897 V	4381 1005,3039	4585 -1237,3217 V	4777 -1267,3765 V			
4011 -2893,3131	4203 -959,3325 V	4383 -947,1001	4587 -989,1277	4779 -1423,1763 V			
4023 749,857 V	4207 1103,1117 V	4383 -947,3391 V	4587 977,2645 V	4779 -1459,3293 V			
4023 -2593,2771 V	4207 2361,2991 V	4383 1001,3391	4587 1219,2887 V	4779 -1117,3437 V			
4023 -935,2791 V	4207 -2977,3327	4383 -3391,3427	4587 -1357,3395 V	4785 1033,2773			

Table 1 (continued)

4785 1099,3499	4945 -1047,2173	5181 1183,3811	5423 2019,3991	5665 2323,4383
4795 -3497,3777	4947 -3901,4037	5185 -1119,3811 V	5425 -1663,3923 V	5667 -1223,2555
4797 -1427,1771 V	4949 1513,2171 V	5187 -3665,4057	5425 -3063,4273 V	5667 -3931,4099
4797 -1465,3377 V	4949 -2171,2729 V	5193 -1183,2279 V	5427 -1601,2017 V	5673 -3941,4115
4803 -1349,1493	4949 -1513,2729 V	5201 1535,1577 V	5427 -1261,2357 V	5677 3215,4027 V
4809 -1321,1495	4949 2773,3445 V	5201 2867,3623 V	5439 1441,1609 V	5677 2501,4377 C
4823 -1279,3385 V	4949 -2171,3485 V	5201 3665,3819 V	5439 -2395,3821 V	5677 -3985,4391 C
4825 1087,1473 V	4949 -1513,3485 V	5203 1101,1123 V	5439 -3067,4283 V	5677 -3999,4475 C
4829 1095,2851 V	4949 2729,3485 V	5211 -2951,3997 V	5451 -1619,1661	5679 -1561,2225 V
4829 1361,3117 C	4961 -1473,3499 V	5211 -1187,4033 V	5451 -1175,1667	5679 1241,4447
4829 -1423,3483 V	4963 -1563,3589 V	5211 -2827,4121 V	5453 -3153,3229 C	5679 -1595,4453 V
4829 -1745,3523 V	4965 -3571,3589	5219 -1125,3839 V	5453 -3865,3921 C	5687 1055,1231 V
4829 1965,3721	4977 -1471,3821 V	5225 1193,3757	5453 -3229,4219 V	5687 1233,1299 V
4829 2021,3777	4983 2033,3845	5241 -1195,1459	5453 -3153,4219	5691 1241,3637
4829 2217,3973 V	4983 1351,3907	5241 -1597,1897	5453 -4219,4295	5691 3281,4037 V
4833 -2179,3707 V	4991 1447,3475	5241 -3347,3641	5453 -3229,4295	5691 -4009,4457 C
4849 1129,3347	4991 3461,3517 V	5243 2939,3653 V	5453 -3153,4295 V	5695 -1229,2511 V
4851 -1105,1289 V	4991 2831,3531 V	5243 3711,3767 P	5453 -4271,4299 C	5695 -3653,3997 V
4851 -1289,1483 V	4995 -1079,2251 V	5243 -1545,3805 V	5457 -1531,1699	5697 -1601,4123 V
4851 1105,1483 V	5005 1409,2839 V	5247 -1561,1937 V	5459 1955,3863	5709 2341,4417
4851 -1483,1751 V	5013 -1409,3055 V	5247 -1553,3859 V	5463 -1235,3931 V	5715 -1697,4387 V
4851 -1105,1751 V	5019 -1145,1391	5263 -2213,2955 V	5467 1237,4021	5719 2393,4409 C
4851 1289,1751 V	5027 2067,3895	5263 -1377,4163 V	5481 1453,1663 V	5719 2057,4423 C
4851 -1483,2675 V	5031 -1379,1975 V	5265 -1223,2287 V	5481 1165,3533	5721 -1253,1595
4851 -1105,2675 V	5033 2253,3947	5285 1537,2293 V	5481 1277,3887	5721 -1697,2117
4851 1289,2675 V	5035 -2047,2817 V	5285 1531,2301 V	5481 -3887,3943 C	5731 -1545,4197 V
4851 1751,2675 V	5035 -2827,3177 V	5285 -3831,4139 C	5481 -1277,3943 V	5733 -3233,4495 V
4851 2027,2713	5035 1053,3717	5285 -4141,4169 C	5481 -3847,4295 C	5735 2033,3143 C
4851 -2675,2869 V	5043 -1057,1385	5287 -1397,1431 C	5487 1237,1591 V	5735 -2251,3299 V
4851 -1751,2869 V	5047 3585,3641 P	5287 -1401,3835 V	5489 -1619,3947 V	5735 2487,3603 V
4851 -1289,2869 V	5049 1075,1339 V	5291 1423,1467 V	5491 -1185,4325 V	5735 2499,3609 C
4851 1105,2869 V	5049 895,1357 V	5291 -1545,1619	5495 1459,1669 V	5735 2593,3703 V
4851 1483,2869 V	5049 -1153,2213 V	5291 1211,3673	5495 3897,3953 P	5747 2423,4495
4851 -1283,3127 V	5049 -2863,3869 V	5295 -1567,1963	5497 1453,3975	5753 1297,4159
4851 1313,3131 C	5049 -2773,3959 V	5295 -3809,3821	5499 -1519,4349 V	5755 -2537,3213 F
4851 -3127,3341 V	5061 -2971,3917 V	5299 1535,3049 V	5511 -1207,2467	5757 2045,3409 C
4851 1283,3341 V	5067 -1177,3665 V	5299 3679,3735 V	5517 -3121,4235 V	5759 1257,4059
4851 -2713,3791 C	5071 3247,3665 V	5299 3001,3813 V	5517 -1541,4363 V	5763 -1523,2509 C
4851 2027,3791	5071 3921,3965 V	5299 -3841,4177 C	5523 2435,3877 C	5763 1763,3395 V
4851 -2623,3845 V	5071 1107,3997	5301 -1157,2005 V	5523 -3245,4273 V	5771 1251,1599 V
4851 2227,3991 V	5073 -3709,4171 V	5301 -1453,3821 V	5525 2497,4367	5775 -3691,4009
4865 -1109,1761 V	5073 1075,3731	5313 -1405,1493	5533 1027,1533 V	5775 3181,4021 V
4865 -1311,3519 V	5079 -3119,3653	5313 -1493,3853 V	5537 1525,1693 V	5777 2073,4087
4867 2197,2825	5083 -1077,2281	5313 1405,3853	5537 3919,3933 P	5781 -1771,2083
4867 2193,3135	5085 -1109,2281 V	5313 -3853,3875	5539 1521,1637 V	5781 -4019,4181
4869 -1487,1759 V	5089 3013,3545 V	5313 -1405,3875 V	5539 -1547,4021 V	5789 1591,1759 V
4869 -3137,3355 V	5089 2209,3607 C	5313 1493,3875	5551 -1697,4015 V	5795 2059,3431 C
4869 -1111,3731 V	5089 3587,3741 V	5319 -1495,3833 V	5551 -1523,4301 V	5795 -3253,3663 V
4869 -2675,3757 C	5089 -3679,4015 C	5319 -2987,4105 V	5553 -1265,3901 V	5797 -1227,2275 V
4869 -2725,3767 V	5093 939,3989	5327 -1629,2937 V	5555 3511,4061 V	5797 -1537,2523 C
4869 -2633,3859 V	5093 1103,4133	5327 -1411,3853 V	5555 4017,4523 V	5797 -1533,2615 V
4873 3139,3579 V	5093 3683,4189 V	5335 -1411,1499	5559 -1643,1703	5797 2059,3181 C
4873 3557,3953 V	5103 1081,1405 V	5335 -1411,3869 V	5559 -3865,4009	5797 -2275,3335 V
4875 1343,3857	5103 1335,1507 V	5335 1499,3869	5561 2309,4301 V	5797 1227,3335 V
4883 -1991,2143	5103 2215,3617 C	5335 -3869,3891	5565 -1201,1699	5797 1773,3405 V
4883 1031,3595	5115 1153,1483 V	5335 -1499,3891 V	5567 -2347,3125 V	5797 1537,3645 C
4883 -1289,3851 V	5117 -1353,3713 V	5335 1411,3891	5577 4079,4541 V	5797 2523,3645 C
4891 -3855,3989	5121 -1193,2221 V	5335 2171,4111	5579 2307,4393	5797 -1533,3737 V
4893 -1039,1067	5121 -1159,2255 V	5335 2193,4133	5593 1697,1711 V	5797 2615,3737 V
4893 2761,3475 V	5127 -1169,2249	5337 -2929,4187 V	5593 2313,4385	5797 2383,4491
4895 1057,2837	5131 -2833,4013 V	5341 1415,1471 V	5611 2443,3075 C	5797 2613,4721 V
4905 -1447,3557 V	5133 -1171,2251	5343 -1661,1901	5619 -1231,1555	5805 -1727,4177 V
4907 1075,3131	5137 2091,3959	5343 -3709,3877	5619 -1543,1663	5805 -3293,4447 V
4907 2123,3525 V	5139 -1201,2225 V	5349 -1153,2413	5621 -3099,4349 V	5805 -3149,4591 V
4907 -3447,3783 C	5139 -1435,4073 V	5349 -3413,3719	5625 -1307,4057 V	5809 2551,4549 V
4911 -1529,1745	5141 -1433,3761 V	5355 -2939,4201 V	5625 -1543,4343 V	5819 1237,3353 V
4917 -1531,1747	5143 2259,4035 V	5363 2365,3029 C	5627 -3147,4435 V	5819 -1635,3655 V
4923 -1147,2135 V	5145 -2267,3613 V	5375 1211,1641 V	5629 1289,3907	5819 1543,3715 C
4923 -1505,3463 V	5145 3571,3781 V	5383 1635,1649 V	5635 1667,1723 V	5819 1257,4551
4935 -3541,3569 C	5159 -2273,3623 V	5383 1573,2329 V	5635 1217,4073	5819 1269,4583
4935 -1391,3859 V	5159 -1527,3709 V	5391 -1229,4135 V	5643 2099,3163	5819 2623,4739 V
4935 -1447,3887 V	5175 -2927,3973 V	5397 -1481,1601	5649 -1501,4085 V	5829 -1313,1613
4939 1337,3547	5175 3643,4057 V	5397 2291,3833 V	5649 2479,4355 C	5829 -1277,2609
4939 2015,3811	5181 1843,3163	5401 -1593,3973 V	5649 2003,4369 C	5831 2393,4059 V
4941 -1117,2177 V	5181 -3163,3727	5415 -1519,4181 V	5661 -1555,4439 V	5833 2103,3423
4941 -1511,3403 V	5181 1843,3727	5423 1227,3899	5665 1557,4163	5833 -3271,3461

Table 1 (continued)

5845	2577,4103	C	6231	-1361,2731	V	6615	-3821,5209	V	7201	4149,4529	V
5873	2487,4225	C	6235	1727,1843	V	6629	-4803,5111	C	7203	-1945,5573	V
5873	2179,4545	C	6237	-1829,4891	V	6633	-2599,4781	V	7217	-2207,3979	V
5883	-4087,4231		6245	-2743,3487	F	6639	-4171,4669		7239	-2209,2617	C
5887	1277,1741	V	6245	-2753,3987	F	6639	-4675,5137		7239	2687,3029	V
5887	3483,4099	V	6259	2567,4843	V	6645	-4193,4667		7249	-2153,2797	V
5887	2553,4175	C	6261	-1853,2321		6647	1413,5211		7249	1569,5251	
5887	2189,4555	C	6265	2221,4939	C	6651	-1865,2569	V	7249	-2621,5287	V
5889	-1741,1795		6273	-1663,1697	C	6657	-4673,4813	C	7271	-2159,2813	V
5889	-3767,4085		6273	-1759,4541	V	6657	2783,5149	C	7271	-2027,4583	V
5907	2191,4339		6275	-2261,2759	F	6669	-2815,3911	V	7277	-4079,4193	
5909	2593,3809		6279	-1355,1369		6669	1439,4879		7279	1569,5275	
5909	1275,4323		6281	2637,4921		6669	-3745,5147	V	7279	2011,5355	
5921	2579,3249	C	6289	-1663,4957	V	6671	2399,5225	C	7285	3047,4083	C
5929	2437,4131	V	6291	-1729,4553	V	6683	-3667,4077	C	7301	2715,4437	
5933	-3313,4677	V	6291	-3455,4933	V	6693	-1459,5165	V	7325	-3029,4321	F
5937	-1667,1757		6307	-1845,4945	V	6699	-4717,5165	C	7325	5157,5743	V
5937	-1337,2621		6309	-3541,4871	V	6707	-1871,5189	V	7335	-2057,5287	V
5943	-1661,4681	V	6315	-4033,4387		6755	-3793,4313	F	7337	-2019,5373	V
5947	-1659,4601	V	6315	-4441,4939		6765	-3713,4123	C	7347	-2035,2863	C
5949	-1669,4667	V	6319	1865,4383		6771	-1865,5239	V	7353	-4277,4315	
5951	2117,4351		6321	-1441,1933		6783	-1793,5347	V	7363	5323,5767	P
5951	1611,4373		6321	-1933,4451	V	6795	-3847,5213	V	7375	-3249,4351	F
5985	-1681,4619	V	6321	1441,4451		6801	-3805,5263		7381	-2177,2729	V
5991	-1367,1829		6321	-4385,4559		6807	-3809,5267		7403	2051,5363	
5991	-3823,4165		6321	-4451,4943		6811	2013,4937		7421	-1571,3135	
5995	-2163,3347	F	6321	-1441,4943	V	6813	-3857,5227	V	7425	-2669,3271	F
5997	-3833,4163		6321	1933,4943		6825	-1843,4793	V	7429	-2003,2173	C
5997	-3767,4229		6325	-2479,2581	F	6851	-2003,2989	C	7449	-2057,2279	C
6003	1301,1649	V	6325	-2781,3669	F	6851	-2879,3941	V	7475	-4411,4559	F
6003	-1687,2315	V	6325	-2479,4881	V	6853	-4827,4967	C	7525	-4439,4591	F
6003	-1649,4633	V	6325	2581,4881	V	6853	-4813,5289	C	7533	3311,4769	C
6003	-1301,4633	V	6327	-3551,4885	V	6859	3951,3989	P	7557	-2087,2105	C
6005	-3353,3853	F	6335	-1711,4589	V	6867	-5311,5381	C	7563	-2089,2095	C
6013	-1621,4357	V	6335	-1767,4967	V	6887	-5043,5431	C	7575	-2731,3329	F
6013	2617,4703		6341	1843,2589	V	6895	3023,5403	C	7579	-5363,5575	
6013	-1677,4735	V	6347	1431,4641		6895	-3987,5407	V	7581	-2129,5851	V
6021	-1655,4339	V	6355	2277,3917		6897	1495,1561	V	7581	-2119,5945	V
6027	-1597,4367	V	6365	-1347,1883		6897	-2851,3041		7595	3183,3307	P
6041	-1767,4757	V	6365	-1883,4683	V	6909	-3991,5417	V	7623	1651,2113	V
6045	1367,1757	V	6365	1347,4683		6923	-3909,5429	V	7625	-3351,4499	F
6049	-1631,4681	V	6371	-2489,4917	V	6929	-3803,3885	C	7651	3211,5899	C
6051	-1795,2239		6375	-1789,1891		6931	3047,5437	C	7657	2841,4323	P
6051	-1363,2671		6375	1897,2647	V	6941	-4361,4879	V	7665	-2141,2339	C
6061	3881,4431	V	6377	-4651,5001		6957	-1951,4241	V	7671	-2119,2341	C
6061	4395,4747	V	6399	2269,4051		6963	-4381,4891		7675	-3171,4529	F
6061	1367,4749		6413	1363,1385	V	6969	-4901,5393		7719	2863,4357	P
6069	-1325,4387	V	6417	1451,1865	V	6993	-1853,4141	V	7733	2131,4943	C
6069	-1667,4759	V	6425	-2621,3729	F	7007	-1889,4117	V	7733	-2157,5983	V
6075	-2479,3521	F	6429	-1909,1969		7007	-1889,4481	V	7755	2083,4957	C
6083	1129,1635	V	6429	-4463,4625		7007	4117,4481	V	7771	1677,5685	
6083	2155,3849		6433	2689,5041	C	7009	2751,5159		7773	-2153,2171	C
6083	2679,4695	C	6435	-1777,4937	V	7011	-1967,5413	V	7773	-2165,3035	C
6099	-1859,2207		6443	-1737,1907	C	7021	-2077,3063	C	7781	3265,3389	P
6099	-3535,3611	C	6461	-4673,4981	C	7021	-4943,5419	C	7805	3263,5657	C
6099	-3901,4231		6461	2713,5093	C	7029	-1895,4495	V	7831	4379,4543	V
6105	-1393,2677		6475	2719,5071	C	7029	2951,5507		7843	3447,4965	C
6125	-1623,4313	V	6477	-4549,4561		7031	3091,4335		7843	2173,5725	
6139	-1655,4323	V	6477	-3571,5065		7059	2929,3949		7847	-5673,6149	C
6147	-1717,4709	V	6479	2405,2747	V	7063	3097,5463	C	7859	2165,5781	
6153	-4327,4339		6483	-4565,4571		7063	-5451,5465	C	7881	-2411,2843	C
6159	-1387,1717		6495	-2863,3647	F	7081	-2089,4919	V	7887	-2413,2845	C
6159	-3395,4817		6505	-2857,3653	F	7087	-4083,4159		7889	-2885,5053	V
6161	1301,1705	V	6507	-3691,4985	V	7091	-5137,5473	C	7909	-2205,5737	V
6165	-1703,4723	V	6517	2383,2763	V	7095	-2099,2521	V	7961	-2873,4669	V
6169	2719,3481	C	6517	-1763,5097	V	7105	-1919,4171	V	7973	-2153,4681	V
6175	-2421,2519	F	6519	-3577,3659	C	7131	-5009,5015		7975	-2153,2197	
6175	-2719,3581	F	6523	-2339,4777	V	7139	-2113,2639	V	7975	-2197,5767	V
6177	1331,4469		6523	4757,5109	V	7163	-4015,4167		7975	2153,5767	
6193	2227,4549		6525	2869,5119	C	7173	-2003,5503	V	7975	-5767,5833	
6207	-1901,2237		6545	-1767,4183	V	7181	4251,5253	V	7975	-2153,5833	V
6207	-1415,2723		6559	1937,1993	V	7183	-2125,2671	V	7975	2197,5833	
6209	-1677,4371	V	6565	1479,4761		7191	-1559,5209	V	7987	-2201,5623	V
6223	2735,3615		6573	-4735,5141		7199	-1941,5571	V	7989	-2231,3113	C
6223	-1903,4509	V	6611	-4263,4647	V	7201	-2975,3165		7995	-2227,3103	C
6225	-2239,2741	F	6611	-1843,4823	V	7201	-2599,4223	V	7997	-2159,2203	

7997	-2159,5783	V	10045	-2767,7073	V	1653	227,1253		2169	-479,967	V
7997	2203,5783		10535	-4407,5913	V	1653	257,1283	V	2185	689,1839	
7997	1731,5837		10571	-2909,7651	V	1661	-283,1367	V	2187	-323,1621	V
7997	-5783,5849		11125	-4599,6451	F	1677	-349,769		2189	409,1183	
7997	-2203,5849	V	11221	-3091,7901	V	1677	407,1361		2189	497,1293	V
7997	2159,5849		11225	-4341,4639	F	1677	349,1445		2191	501,1257	V
7997	3357,6265	V	11275	-4359,4661	F	1677	769,1445		2197	-701,1665	V
8001	3347,6175	C	11281	-3151,8159	V	1681	903,1149	V	2205	-493,977	V
8003	-3515,4639	V	11375	-4701,6599	F	1683	787,1355		2205	-421,1679	V
8029	3369,6197	C	13169	-5091,8065	F	1701	-955,1313	P	2209	1223,1787	V
8043	-5815,6221	C	13195	-5049,5101	F	1703	791,1467		2209	-941,1879	V
8071	3541,6229	C		22 crossing		1705	797,1373		2211	-601,1709	V
8085	2173,5857		361	-39,189	V	1711	237,1299		2211	-377,1801	V
8091	3401,4535	C	375	-83,167		1711	265,1327	V	2217	517,1721	
8097	-2471,2927	C	381	85,257		1719	1165,1327	P	2219	507,1263	V
8099	-3553,5703	V	625	-201,549	V	1725	359,1339		2223	497,659	V
8113	-4537,4689		637	-183,363	V	1731	361,1349		2233	355,1823	
8211	-2287,2293	C	679	-83,111		1745	-339,359		2241	-719,775	V
8217	2219,5207	C	693	85,601		1755	257,1433		2241	-515,1699	V
8239	2225,5277	C	699	-227,239		1755	341,1439		2245	-1781,1811	
8265	-2443,3067		705	229,509		1769	-303,1495	V	2255	421,1819	
8267	3625,5823	C	765	-97,653	V	1775	281,331	V	2259	-511,995	V
8281	2279,5833		783	163,253	V	1779	815,1381		2277	-389,481	
8305	-2239,6011	V	801	-167,367	V	1781	461,1307		2277	515,731	V
8319	-2323,2545	C	841	-117,637	V	1805	-571,1519	V	2277	-1729,1765	C
8319	-5075,6017		867	103,409	V	1805	-267,1557	V	2289	523,649	V
8381	-2341,3169	V	891	199,397	V	1807	263,315	V	2295	683,737	V
8381	2251,6159		961	123,247	V	1825	-289,441	V	2295	-727,1823	V
8427	-2333,5935	V	961	-187,805	V	1833	443,1403		2303	-603,1651	V
8439	-2357,3211	V	969	-637,655		1849	-861,1203	V	2329	-421,1959	V
8459	3551,6627	V	975	289,659		1875	301,451	V	2337	-605,1609	V
8493	-3569,4981	V	981	-229,425	V	1881	-1453,1541		2345	-1061,1669	P
8493	-2369,6571	V	995	-159,239		1885	-387,1563	V	2353	569,1603	
8531	1841,6241		999	233,323	V	1897	603,1023		2359	1067,1741	P
8583	-2393,2537		1005	161,809		1897	547,1301		2367	353,1879	
8583	-2375,2549		1035	151,821		1925	-311,459	V	2369	371,417	V
8587	3139,4801		1043	223,743		1925	-891,1567	P	2379	575,1621	
8589	-2377,2539		1071	-229,457		1925	877,1577		2379	1879,1957	V
8607	3179,4813		1085	-233,467		1935	857,1577		2401	-629,1709	V
8607	3103,5051		1089	-199,593	V	1947	883,1591		2401	1863,1961	V
8613	2315,6287		1113	239,797		1947	907,1615	P	2403	-443,1825	V
8637	-6229,6247		1125	-151,599	V	1953	893,1339		2409	-383,1091	
8645	2321,6359		1161	-157,367		1953	871,1591		2421	-583,1121	
8673	-3629,4867	V	1161	157,961	V	1955	609,1621		2425	1989,2039	P
8711	3185,4871		1161	367,961	V	1957	-269,909	V	2427	-1309,1927	
8721	3205,4877		1183	183,547	V	1957	-401,1453	V	2431	-387,1109	
8775	-3427,5387	F	1185	-383,407		1963	-289,919		2439	-587,1129	
8775	2591,6211		1191	385,827		1967	-625,901		2443	-775,1115	
8797	3221,4931		1199	217,653		1967	899,1349		2449	-533,1679	V
8801	-3333,3437	F	1221	223,667		1975	319,369	V	2451	563,1817	V
8833	1913,2375	V	1265	203,247	V	1991	355,1603		2453	-443,1933	V
8853	-5401,6385		1331	-483,969	V	1991	-1539,1627		2457	781,1795	
8903	1927,2391	V	1347	-883,913		2013	323,1115	V	2475	-1879,2081	P
8907	-2645,3293		1353	421,917		2023	643,1091		2479	-373,641	
8907	-2633,3305		1359	-199,431		2023	573,1387		2483	-367,1161	V
8913	-2647,3295		1369	815,1185	V	2023	-713,1667	V	2485	719,789	V
8943	-3215,6541	V	1397	261,1125		2023	531,1679		2485	1133,1707	
8965	-2467,5683	V	1455	-467,503		2025	1441,1711	V	2489	-385,2047	V
8967	-5489,6467		1461	469,1001		2035	387,1127		2491	547,1891	
9075	-2531,6379	V	1463	465,1005		2043	-305,649		2495	-479,519	
9089	3545,5333		1485	-203,1267	V	2079	613,667	V	2495	1447,1487	PF
9163	-2525,6451	V	1509	-985,1027		2079	361,1117		2505	-1493,1513	PF
9215	-5153,5343		1515	481,1031		2097	457,673	V	2505	481,2029	
9219	-6667,7115	C	1521	-469,1169	V	2101	337,1129	V	2509	2075,2127	P
9237	-2575,2743		1521	1031,1193	P	2103	491,1639		2511	1709,1961	P
9247	-2497,6687	V	1539	-845,1207	P	2115	-461,949	V	2519	-431,475	
9263	-3327,5877	V	1541	-1145,1279		2121	485,611	V	2519	-479,687	
9359	-3915,5253	V	1577	-217,1341	V	2121	967,1457		2523	-521,2089	V
9427	-2545,6025	V	1587	-551,1381	V	2133	-685,737	V	2525	-1921,2119	P
9449	-2603,5987	V	1593	1151,1241	P	2145	-587,1657	V	2527	-531,1863	V
9487	-2613,6715	V	1595	-327,1323	V	2147	679,1809		2529	-1397,1975	P
9517	4175,6017	V	1595	-277,1347	V	2151	475,637	V	2547	1769,1985	P
9559	-2839,6731	V	1611	-893,1255	P	2157	503,1195		2553	-385,533	
9691	-2867,6989	V	1629	-907,1265	P	2163	-505,937		2563	-445,577	
9703	4257,6135	V	1647	1189,1279	P	2167	493,1281	V	2563	-1839,2125	
9849	-4121,5527	V				2167	1003,1755		2565	-1421,1999	P

2573	-477,1847	V	2805	1307,2327							
2575	2111,2161	P	2807	793,891	V						
2583	-1961,2015	C	2809	529,847	V						
2587	-413,1179	V	2809	423,1059	V						
2587	475,1913		2809	-1273,2225	V						
2599	407,683	V	2811	-583,1291							
2599	-2015,2153		2817	-895,983	V						
2601	443,545	V	2817	1913,2039	P						
2601	-409,1631	V	2831	439,1929	V						
2601	1531,1837	V	2831	595,2087							
2607	415,2137		2835	-523,1313	V						
2611	-829,1409	V	2835	1157,2083							
2613	451,1693		2839	-451,1827	V						
2619	-1459,2033	P	2849	457,501	V						
2627	-2137,2211		2849	751,1951							
2629	-481,2071	V	2849	1279,1977							
2637	1831,2047	P	2849	585,2019							
2639	1185,1831		2849	-2069,2245							
2639	419,2155		2853	-905,997	V						
2643	-545,1217		2853	-1867,1937	P						
2645	459,689	V	2853	1955,2225	P						
2651	-471,493		2859	593,1951							
2651	-459,503		2869	451,1961							
2651	-493,2147	V	2871	-643,1271	V						
2651	471,2147		2871	895,2005							
2651	-2147,2191		2871	-1589,2239	P						
2651	-471,2191	V	2873	2185,2263	V						
2651	493,2191		2889	647,899	V						
2653	765,1509		2889	-649,1277	V						
2655	-1483,2057	P	2891	617,1569	V						
2673	-475,497		2899	701,2237							
2673	1819,2071	P	2899	2397,2449	P						
2673	-475,2165	V	2905	923,2017							
2673	497,2165		2907	653,923	V						
2673	-2165,2209		2907	461,1991							
2673	-497,2209	V	2921	457,503	V						
2673	475,2209		2925	553,2147							
2675	1833,2047	V	2933	773,2153							
2681	-851,1447	V	2937	-553,2417	V						
2691	421,697	V	2941	-467,1913	V						
2691	-1445,2281	P	2943	917,935	V						
2695	1193,1447		2945	473,2023	V						
2717	-463,749		2945	621,2169							
2717	573,1561		2947	935,2019							
2717	-1467,2295	P	2951	613,2507							
2727	847,865	V	2959	-529,837							
2727	-499,1229	V	2959	-2155,2331							
2737	-775,789		2959	553,2439							
2737	-789,1899	V	2961	-1651,2297	P						
2737	775,1899		2961	-2077,2329							
2737	-1899,2011		2973	-1631,2333							
2737	-775,2011	V	2979	-1949,2023	P						
2737	789,2011		2979	2041,2311	P						
2751	-779,793		2983	-473,549							
2751	725,1907		2989	643,1623	V						
2751	-779,1909	V	2997	-557,1387	V						
2751	793,1909		3003	1399,2491							
2751	-1909,2021		3009	479,2471							
2751	-793,2021	V	3013	-2233,2495							
2751	779,2021		3015	2047,2173	P						
2755	579,2031		3021	637,2225							
2757	775,2189		3021	623,2389							
2759	-573,2031	V	3025	2091,2311	V						
2761	-479,633		3027	625,2399							
2763	607,877	V	3029	557,635	V						
2769	725,2291		3047	1413,2521							
2779	593,873	V	3059	2105,2371	V						
2779	883,2043		3059	465,2525							
2781	613,865	V	3073	-631,1301							
2781	-509,1219	V	3075	977,2413							
2781	-611,1243	V	3081	-2339,2497							
2783	-1917,2159		3081	-1717,2549							
2793	-439,515		3087	-937,2213	V						
2799	-617,1249	V	3091	-527,835							
2805	-533,643		3097	-543,2611	V						
2805	-2213,2323		3101	667,975	V						

Table 1 (continued)

3129 -1349,2179 P
3131 -749,2537 V
3135 -691,1399
3135 859,2399
3135 1327,2467
3135 691,2591
3135 1399,2591
3143 669,2145
3143 851,2159
3143 1291,2189 P
3149 2157,2425 V
3151 479,2327
3157 1461,2557
3157 1467,2615
3161 -657,2613 V
3175 -1877,2187 V
3179 -1721,2495
3183 875,2527
3185 -967,2267 V
3189 667,2177
3189 703,2501
3193 -695,2189 V
3193 -575,2587 V
3197 487,2365
3199 -657,1387
3211 489,2371
3211 -575,2617 V
3227 983,2237
3227 689,2489
3237 593,671 V
3237 -677,1481
3237 725,2539
3237 887,2557
3237 -2261,2627
3241 669,2551
3243 889,2573
3245 563,1743
3245 727,2683
3247 571,2387
3249 -1369,2051 V
3249 -571,2279 V
3263 517,569 V
3263 605,2407
3267 -709,2477 V
3267 1979,2771 V
3269 1037,2267
3283 755,979 V
3287 -527,2703 V
3289 -755,1041
3289 -501,1523
3289 625,1821
3289 2493,2571 V
3289 1505,2701
3289 501,2719
3289 1523,2719
3289 -1761,2793
3291 737,1807
3315 -503,1537
3317 -615,2381 V
3321 589,913 V
3325 1013,2277
3333 703,1915
3335 1031,1811
3335 -2459,2749
3337 733,2533
3345 1061,2581
3351 691,2567
3351 1063,2627
3363 -2761,2837
3367 797,2311
3375 631,2771
3377 -623,1569
3377 -1549,2741 P
3383 707,1829 V
3383 -1835,2483
3393 1057,1843
3393 -1843,2597
3393 1057,2597
3395 979,2479
3395 1077,2493
3397 -627,885
3397 723,981 V
3397 -1425,1843 V
3399 587,1823
3399 1445,2681
3399 1523,2759 P
3401 705,781 V
3401 -597,2861 V
3405 703,1847
3405 799,2699
3411 -767,1525
3417 -601,1507
3419 519,2705
3423 703,2461
3423 -2203,2641
3429 -637,2603 V
3429 1879,2641 V
3437 709,2237
3437 1047,2523
3437 -2207,2651
3439 -709,2549 V
3443 -595,727
3451 -541,1221
3451 -717,2853 V
3451 -599,2903 V
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3481 -827,2241 V
3481 -945,2831 V
3483 -1909,2843 V
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3487 -629,761
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3591 -1039,2039 V
3591 659,2549 V
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3591 1039,2929 V
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3629 -1353,2085 V
3629 671,2581 V
3629 1051,2961 V
3633 781,2803
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3653 1137,2983 V
3661 1037,2673
3667 -675,2897 V
3669 -1981,2911
3675 -1679,2521 V
3675 823,2837
3675 -1997,2903
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3689 653,2713
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3703 -1609,2577 V
3703 2253,2897 V
3707 1007,1095 P
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3721 1463,1707 V
3721 -977,2561 V
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3885 911,2101
3885 829,2299 V
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3887 2489,3165 V
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4175 2331,2481 F
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4185 863,1277 V
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4199 3089,3427 V
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4205 -987,3247 V
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4225 2731,3121 V
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4455 -941,1249
4455 -919,2051 V
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4455 2063,3683
4459 1289,1359 V
4459 1329,1413 V
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4479 -935,2051
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4479 1259,3439
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4489 937,1607 V
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4509 -2935,3077 P
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4515 1033,3097
4525 -2541,2889 F
4527 -3509,3563 C
4531 -1389,3211 V
4533 1271,3469
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4539 -2531,3521
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4541 809,3199 V
4541 -941,3361 V
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4553 845,3357 V
4553 971,3739
4557 -2087,3121 V
4557 -1315,3305 V
4563 -2969,3115 P
4563 -1039,3485 V
4563 -851,3577 V
4563 3275,3743 V
4565 -1291,3329 V
4571 2101,3123
4571 -2055,3169 V
4575 2569,2719 F
4579 -3737,3775
4581 -2981,3127 P
4587 1867,3535
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4599 3337,3643 V
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4609 -1215,2943 V
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4615 -847,1363
4617 -953,2125 V
4617 -1057,3317 V
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4617 -1081,3563 V
4631 -795,3583 V
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4635 3163,3217 P
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4669 -1423,2579 V
4669 -2133,3203 V
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4671 -1423,1691 V
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4693 -1215,3725 V
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4695 1091,3721
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4697 -2027,3307 P
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4701 1399,3647
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4709 -2585,3875
4711 2117,3267
4711 2033,3379 P
4717 -867,2159 V
4719 815,2531 V
4719 -1115,3253 P
4719 -1277,3475 V
4719 2155,3871 V
4725 -871,3719 V
4727 -1919,2141
4727 1009,3881
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4739 -2165,3251 V
4741 2117,3841
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4743 979,1321 V
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4745 1101,3279
4745 1121,3311 P
4745 3491,3751 V
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4749 1109,3343
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4753 -2169,3263 V
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4761 -1381,2621 V
4761 3263,3281 P
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4795 -1321,1419
4795 -1097,2193
4795 -1419,3411 V
4795 1321,3411
4795 -3411,3439
4795 -1321,3439 V
4795 1419,3439
4797 1347,3693
4797 -1447,2149
4797 -995,2203 V
4797 3305,3467 P
4797 3673,3907 V
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4803 1079,3751
4805 -2171,3099 V
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4807 2193,3941 V
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4809 -1325,1423
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4809 -1325,3421 V
4809 1423,3421
4809 -3421,3449
4809 -1423,3449 V
4809 1025,3449
4809 1117,3803
4815 -1001,2209 V
4819 1089,3809
4819 3813,3935 V
4823 -1459,3735 V
4825 -887,3813 V
4829 897,2653 V
4829 -1087,3533 V
4829 2053,3809
4829 2175,3931
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4833 -3115,3329 P
4837 -2109,3419 V
4843 1267,3409
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4851 2171,3935
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4865 2227,3333
4867 3391,3763 V
4869 -3155,3337 P
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4873 -1103,3495 V
4873 -865,3755 V
4873 2207,3979 V
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4887 -3149,3367 P
4887 3817,3835 P
4887 -1123,3845 V
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4901 1045,3479
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4907 2089,3491 P
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4917 1153,3767
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4923 1109,2261 V
4923 3391,3553 P
4927 1143,3405
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4927 3645,3905 V
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4939 2213,4009
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4941 -2771,4033 V
4947 -1355,3883 V
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4959 3397,3415 P
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4961 -859,3629 V
4961 -881,3651 V
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4977 1399,1525 V
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4977 1163,3893
4979 1543,4039 V
4981 -1081,2183
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5013 -2711,3973 V
5017 -1093,2271 V
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5067 1051,1141 V
5067 -1609,1769 V
5067 -2749,4007 V
5071 -1163,1339
5071 -943,1361
5071 911,2755 V
5071 1337,3181 V
5071 -867,3973 V
5071 -2743,4129
5071 -1095,4141 V

Table 1 (continued)

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5079	-1141,2245	5243	-1513,3695	V	5403	-1165,2437	5577	-1037,1543		5747	-2349,4219	V
5083	-937,1351	5243	3709,3849	V	5403	2335,4145	5577	-1279,1565		5747	1259,4523	
5083	1179,3513	5257	1423,1521	V	5421	1283,3721	5577	1025,3053	V	5751	-1061,2503	V
5083	1153,4125	5257	-1119,2353		5423	-1223,1531	5577	1279,3869		5751	3941,4049	P
5089	1097,3747	5257	1455,3739		5425	1229,1719	V	5577	1565,3869		5753	2419,4511	
5093	-1147,1345	5257	3609,3791	V	5425	-2439,3761	V	5577	3931,4129	V	5757	2341,3709	V
5093	-905,1367	5263	-3373,4285		5425	1487,4463		5577	4315,4393	V	5757	-1193,4261	V
5093	915,2767	V	5263	-1113,4321	V	5427	1135,1189	V	5579	1613,3169		5767	-1507,1665	
5103	1513,1891	V	5265	-2953,4283	V	5439	1177,1723	V	5579	1165,3617		5769	1211,1607	V
5103	-1493,2791	V	5267	1183,1597	V	5439	-2491,3725	V	5579	1167,3957		5769	4007,4061	P
5103	2329,3503		5267	-3709,4295	V	5445	-967,3917	V	5587	-3081,3563	V	5775	1817,4153	
5103	1087,3757		5269	-1187,1209		5445	-1033,3983	V	5587	1625,4415		5781	-3749,3959	
5115	-1073,3547	V	5269	-4291,4335		5445	-2311,4289	V	5589	1169,1259	V	5781	1819,4193	
5115	-949,3671	V	5283	-1105,2417	V	5445	-967,4313	V	5593	1705,3089		5787	-3281,4435	V
5117	1359,4047		5283	3665,4187	V	5445	3917,4313	V	5593	2439,3953		5787	-3137,4579	V
5117	3679,4223	V	5285	1207,3623		5451	1505,3733		5593	1227,3967		5789	-1773,3169	V
5121	1069,1105	V	5285	1431,3861		5451	1517,3955		5597	2563,3063		5789	1229,4063	
5123	-3599,4035		5285	-1203,4047	V	5463	-1147,2495	V	5599	-1279,4111	V	5795	-3241,3561	
5127	1409,3925		5287	1395,4181		5467	-4303,4435		5605	1183,4327		5795	-1201,4289	V
5129	-899,1083		5287	3801,4345	V	5473	-1437,4457	V	5607	1537,1717	V	5795	-4267,4473	
5129	-2811,3307	V	5289	1229,2869		5481	2333,3931		5607	-1177,2561	V	5797	1029,3137	V
5131	1083,3043	V	5289	-997,4163	V	5481	1739,4001		5611	1269,4435		5797	2617,3739	
5131	3517,3769	V	5291	2339,2989		5481	4247,4301	P	5613	-1211,2531		5797	1511,4021	
5133	-1615,1807		5291	-983,4077	V	5487	-1151,3805	V	5619	1213,3851		5797	-1329,4193	V
5133	1411,3941		5291	-939,4099	V	5491	1543,4033		5619	1237,4067		5797	-1593,4699	V
5133	1153,3977		5295	-1237,2293		5491	1261,4035	V	5619	-3179,4313		5797	2659,4767	
5135	1567,4193	V	5295	-1141,2389		5491	-2971,4229		5621	1209,1517	V	5805	-3763,3977	P
5137	-947,1365		5301	-1001,3217	V	5491	-2971,4305		5621	1271,3049	V	5809	-1575,4077	V
5139	-1631,1795	V	5317	4079,4313	V	5491	4229,4305	V	5621	1187,3189	V	5817	3985,4111	V
5141	1805,3745		5327	1125,1545	V	5491	1441,4509		5621	-2571,3853	V	5819	4261,4305	V
5151	1091,4247		5327	1541,3765		5495	2371,3909		5625	1181,1721	V	5819	-3451,4507	
5157	-2791,4085	V	5327	3657,3769	V	5499	-1681,4241	V	5625	-3191,4309	V	5819	-1325,4549	V
5157	-2929,4199	V	5329	1167,2335	V	5499	3037,4243	P	5625	-1651,4349	V	5819	-1575,4717	V
5159	1535,1619	V	5329	2921,3067	V	5499	3955,4351	V	5629	-3109,3625		5819	2621,4737	
5159	3539,3791	V	5329	-2191,4087	V	5505	-1283,2387		5633	-999,1171		5823	-1321,2615	
5159	1077,4047		5329	-2045,4379	V	5505	1187,3973		5635	-1039,1269		5823	-3721,4043	P
5159	1159,4077		5335	-1201,3859	V	5511	-1213,2461		5635	-1559,4421	V	5823	4493,4511	P
5175	2839,4009	P	5335	-1223,3903	V	5511	1189,3983		5643	3923,4463	V	5823	-4511,4547	C
5177	4013,4075	V	5337	-1627,1931	V	5511	-3983,4489		5649	-1217,2297		5823	-4493,4547	C
5181	-3991,4013		5337	-2947,4133		5511	1189,4489		5649	-1633,3209	V	5823	-4511,4565	C
5187	1355,2837	V	5339	4187,4225	P	5513	3021,3169	V	5649	1193,3251	V	5823	-4493,4565	C
5193	1541,1649	V	5341	1219,1695	V	5517	-3047,4309	P	5655	-1751,4339	V	5823	4547,4565	P
5193	-2869,4055	P	5341	1149,3137	V	5523	965,3023		5665	-1223,1553		5829	-1307,2579	
5193	-4051,4087	C	5341	3851,3921	V	5523	-1495,3239	V	5665	2367,4427		5829	1283,4201	
5193	3767,4109	V	5341	-4141,4359		5529	-4357,4547		5667	1577,3445		5831	-1541,2675	
5203	-901,3763	V	5343	1241,4093		5533	-1467,4539	V	5667	-3205,4351		5831	-1835,3163	V
5203	-967,3829	V	5343	2441,4099		5537	1261,3095	V	5673	-3221,4343		5831	-2661,4003	V
5207	-1121,1449		5349	-3251,3881		5539	1029,4319		5681	1009,3999		5831	2063,4797	
5211	-2831,4243	V	5353	-3437,3771		5539	2427,4337	V	5681	3941,4401	V	5837	4501,4735	V
5213	1197,3615		5353	2421,3905	V	5543	1681,1727	P	5687	1077,3145	V	5841	-1085,1103	
5217	-1105,1199		5355	-2957,4147		5547	1033,2065	V	5687	-1057,4091	V	5841	-1325,2623	
5219	963,1133	V	5357	-949,3935	V	5547	-1289,3871	V	5687	-1539,4093	V	5841	-3731,4057	P
5221	-1579,2883	V	5359	-1641,2959	V	5547	3095,4385	V	5687	-1079,4113	V	5841	-1103,4507	V
5225	-1077,3873	V	5359	3717,3855	V	5551	-1655,2539		5687	2597,4665	V	5841	1085,4507	
5225	1097,4033		5359	-3779,4245		5551	-1759,2999	V	5691	-1745,3211	V	5841	-4507,4525	C
5225	-3753,4083	C	5365	951,4229		5551	-1655,3103	V	5691	1201,4021		5841	-1085,4525	V
5225	-1371,4129	V	5369	1669,4373	V	5551	2539,3103		5695	1013,1047	P	5841	1103,4525	
5225	2341,4241		5373	1117,1225	V	5551	-3103,3805		5699	-3375,4409	V	5841	-4525,4561	C
5229	1517,1559	V	5373	-1637,1945	V	5551	-2539,3805	V	5709	-4193,4633		5841	-1103,4561	V
5229	1193,2399	V	5373	2921,4115	V	5551	1655,3805		5715	1571,1751	V	5841	1085,4561	
5229	-1657,2825	V	5373	3727,4249	V	5551	1275,4341		5715	1303,2617	V	5841	4507,4561	P
5229	1517,3587		5373	989,4411		5553	1303,1699	V	5719	-1657,3245	V	5841	-4561,4579	C
5229	1559,3587		5375	-3953,4383		5555	-987,1537		5719	1583,4101		5841	-4507,4579	C
5229	1517,3629		5377	1217,4255		5555	-1251,1559		5721	-1235,2579		5841	-1085,4579	V
5229	1559,3629		5379	-1013,1453		5555	-1031,2549		5721	1283,4141		5841	1103,4579	
5229	3587,3629	V	5379	1145,3101		5555	1021,3041	V	5729	-1519,2629		5841	4525,4579	P
5235	1223,3607		5379	-3475,3959		5555	1557,3577	V	5729	-3219,4227		5845	1339,3229	V
5235	1649,3799		5383	-2973,3733		5559	1553,3811		5729	2017,4723		5845	1651,4131	
5239	-1141,3591	V	5383	1181,3873		5559	-3019,4393		5733	1345,1597	V	5859	-3797,4015	P
5239	1217,3619		5383	1419,3929		5561	-1301,4343	V	5733	1291,2623	V	5863	1345,4067	
5239	915,4311		5383	1915,4237		5565	1297,3833		5733	1315,3205	V	5863	2465,4597	
5241	-3395,3593		5391	-1265,2329	V	5565	1543,4037		5733	-1597,4115	V	5871	1043,4133	
5241	1633,4061		5395	1239,3741		5567	-1461,4399	V	5733	-1345,4115	V	5873	-1537,3237	V
5243	1135,1205	V	5395	1213,3767		5567	-1167,4571	V	5735	2591,3701		5873	1699,3335	
5243	1119,3079	V	5397	1163,3697		5571	1163,1271	V	5735	1293,3977		5873	1251,4083	

Table 1 (continued)

5873	-2559,4175	P	6027	1621,4447	6175	-1863,4787	V	6347	-1387,1783	6525	1429,1519	V
5875	-4127,4627		6027	-4673,4919	6175	1889,5009	V	6347	1167,3475	6525	1939,3661	
5877	1373,2651	V	6031	1287,4907	6177	1939,2791	V	6363	1483,2869	V	6531	-2693,4771	V
5883	-1853,2069		6039	1697,1841	V	6181	-1745,1787		6363	1951,3769	V	6537	-4211,4505	
5883	2561,4787	V	6039	1267,1843	V	6181	-1745,4373	V	6363	2753,4519		6537	2059,4703	
5887	1703,3343		6039	2141,4337		6181	1787,4373		6363	-1775,4693	V	6537	1519,5015	
5887	-1623,3655	V	6039	2473,4669	V	6181	-4373,4457		6371	1985,3595	P	6539	1519,4517	
5887	1269,4093		6039	2483,4679		6181	-1787,4457	V	6371	-3509,4429		6541	1947,3539	
5887	2543,4225	P	6039	-1307,4765	V	6181	1745,4457		6375	1453,4367		6545	-1731,2369	
5889	-1855,2071		6041	1703,1801	V	6181	-1893,4561	V	6377	1857,3609		6545	1471,4649	
5889	1627,4037		6045	-1267,4193	V	6183	1333,1441	V	6377	1397,4069		6549	-2785,3653	P
5895	1237,1633	V	6045	1379,4369		6191	4313,4395	V	6377	1789,4693		6555	2321,3889	
5895	1379,2639	V	6049	1327,3397		6201	-1301,2833	V	6399	4409,4445	P	6559	-2007,3593	V
5895	4093,4147	P	6049	-1831,4287	V	6201	1441,4283		6399	1675,4645		6559	1907,4827	
5899	-1723,4193	V	6051	-1381,2653		6205	1799,4321		6403	-1407,2319		6561	4519,4555	P
5913	-1099,2573	V	6051	-1357,2677		6207	-4021,4255		6405	-1909,2789		6565	-1827,4803	V
5913	4051,4219	P	6057	1307,1415	V	6207	2417,4465		6405	-1909,3581	V	6567	-1763,4243	V
5915	1601,1671	V	6057	-1885,2153	V	6209	1681,4311		6405	2789,3581		6567	-1745,4789	V
5915	1723,3347		6057	-1271,2767	V	6213	-2539,4001	V	6405	-3581,4531		6573	1397,4237	
5915	4181,4321	V	6061	-1643,2149		6213	-1357,4529	V	6405	-2789,4531	V	6579	1501,1537	V
5915	1097,4623		6061	1641,2477	V	6223	1317,3529	V	6405	1909,4531		6579	1739,4721	
5915	1227,4883		6061	-1125,2731		6225	-2191,2689		6409	1453,4463		6589	-4729,4773	
5917	-1351,4663	V	6061	-2477,3903	V	6233	-2817,3485	V	6409	1357,5273		6589	2707,5103	
5921	1335,4679		6061	-1641,3903	V	6237	1405,1459	V	6413	1211,3543	V	6589	-4817,5367	
5929	1385,2309	V	6061	2467,4671		6237	-2163,1649		6413	2617,4949	V	6591	-2043,2347	
5929	-1861,3221	V	6061	-3903,4681	V	6237	-1427,2801		6417	-1501,2777	V	6597	1813,2011	V
5929	1123,3279	V	6061	1641,4681	V	6237	1121,3389		6417	-1345,4451	V	6601	1397,1859	V
5929	-1629,4267	V	6061	2477,4681	V	6241	1421,1737	V	6419	1359,1695	V	6601	1923,1937	V
5929	2683,4839	V	6063	-3425,4753	V	6241	-2213,3791	V	6419	-1807,4619	V	6601	1965,2077	V
5931	1391,1643	V	6069	-1775,4483	V	6241	-1897,4423	V	6423	-2021,2261		6601	1483,3737	V
5931	1663,1807	V	6075	1331,1421	V	6251	-1181,3987	V	6429	1795,4403		6601	-1915,3743	V
5937	-1379,2579		6075	1891,2161	V	6253	-1899,4835	V	6433	1473,1697	V	6601	4665,4847	V
5937	-1307,2651		6075	-1079,3781	V	6253	1331,4883		6433	-2945,4407	V	6603	-1813,1955	C
5937	1355,4069		6083	-1147,4397	V	6255	4349,4799	V	6433	1861,4635		6615	1499,1919	V
5943	1255,1675	V	6083	1605,4443		6259	-1735,4491	V	6433	4547,4729	V	6615	-1933,4703	V
5943	-1865,3229	V	6083	-1613,4491	V	6259	2571,4847	V	6433	1805,4957		6627	1411,1975	V
5943	1381,3371		6083	-1613,4965	V	6261	-1427,2747		6435	1999,4931		6627	4229,5075	V
5943	1609,4369		6083	4491,4965	V	6265	-1663,4623	V	6435	2693,5033		6629	1437,1521	V
5947	3417,3455	V	6093	-1895,2167	V	6267	1429,4523		6437	-1683,2399		6629	1403,1921	V
5947	-1545,4715	V	6093	-1429,2633	V	6273	-1471,2711	V	6443	1197,1775	V	6629	-1399,2885	
5949	-3227,4705	V	6093	4421,4673	V	6275	-2209,2711		6443	1389,3599	V	6629	2969,4607	
5951	-1285,1615		6095	1369,3439	V	6279	-1097,1643		6453	-3655,4949	V	6631	1389,5185	
5951	-1633,1677	C	6099	-3955,4177		6279	4379,4517	V	6461	1825,3713		6633	-1751,1861	
5957	4155,4615	V	6105	-3749,4391		6279	1913,4583		6461	-2791,4573	P	6633	-3755,5089	V
5959	-1773,4287	V	6107	1675,5023		6279	-1837,4631	V	6461	2797,4587		6641	-4549,4905	
5967	-1111,2615	V	6111	1433,1865	V	6281	-3699,4865		6463	-4755,5317		6647	1189,1393	V
5967	4139,4571	V	6123	1867,4987	V	6281	-1425,4911	V	6467	-1505,2903	V	6647	1433,3733	
5971	-1249,2531		6125	-1401,3849	V	6281	-1373,4919	V	6471	-4171,4457	P	6647	5125,5217	V
5971	1587,3293	V	6129	4733,4787	P	6281	2811,5095	V	6471	3575,4997	P	6647	-3719,5257	
5971	-3379,4601		6137	-1405,4409	V	6289	-1339,4619	V	6471	-5003,5057	C	6655	2333,4687	V
5977	2333,4397	V	6137	-1595,4865	V	6289	-1765,4855	V	6475	-1697,2753	V	6657	-2881,4721	P
5977	-1663,4615	V	6139	1389,3335	V	6303	1171,3463	V	6475	-1697,3567	V	6657	1417,4855	
5985	-1271,1579		6139	-1781,3481	V	6303	2821,5113	V	6475	2753,3567	V	6657	3055,5491	
5985	-1313,2537		6147	1823,1913	V	6305	2767,3473		6475	2819,4581		6669	1549,2035	V
5985	-1271,4399	V	6147	4459,4711	V	6305	1323,5177		6475	2803,4597		6669	2929,4183	V
5985	1579,4399		6147	3377,4763	P	6307	1335,1447	V	6475	-1697,4603	V	6671	-1949,3679	V
5985	-1669,4421	V	6149	-1667,1733	C	6307	1439,1663	V	6475	2753,4603	P	6671	2887,4793	P
5985	-4399,4721		6149	-4519,4805		6307	-1443,2575		6475	3567,4603	V	6671	-1767,4813	V
5985	-1579,4721	V	6153	-1403,2699		6307	-1331,2659		6479	-1819,5001	V	6681	-1831,5243	V
5985	1271,4721		6153	-3481,4723		6309	-1933,2273	V	6479	1777,5329		6683	-4197,4931	
5989	1101,3361	V	6157	1143,1667	V	6309	-3523,4925		6489	-1417,1829		6687	-3793,5123	V
5991	1661,4309		6157	2399,3971		6321	1751,2003	V	6489	-4181,4471	P	6693	1973,4609	
5995	-1693,2133		6159	-1405,2701		6321	-1847,4537	V	6489	4667,4973	V	6693	1537,5225	
5995	2463,4643		6159	1381,4439		6321	1759,4547		6489	-3625,5027	P	6695	5167,5453	V
6001	-1571,2713		6165	-3443,4777	P	6325	1971,3581	P	6501	-1801,5129	V	6697	1937,4649	
6003	1777,1867	V	6167	-1741,1783		6325	-3483,4403		6503	1481,1789	V	6697	-2103,5137	V
6003	-1661,4687	V	6167	1669,4225		6327	-1193,1373		6503	-1401,2911		6699	4651,4735	V
6013	-1887,3267	V	6167	1627,4281		6327	-1445,2851		6503	-2977,4455	V	6699	-3677,5255	
6013	1751,4269		6167	-1783,4363	V	6327	-1669,4991	V	6503	1891,5011		6705	1561,3001	V
6013	4125,4391	V	6167	1741,4363		6331	-1985,4833	V	6513	-1993,5021	V	6707	3867,3905	V
6013	1317,4717		6167	-4363,4447		6335	4393,4477	V	6517	1413,1721	V	6707	-1883,5177	V
6017	-1599,4363	V	6167	-1741,4447	V	6341	2859,4661	V	6517	1793,1835	V	6713	1847,1945	V
6021	-1121,2713	V	6167	1783,4447		6341	4593,5171	V	6517	-2981,4467	V	6713	1455,3807	V
6023	-4763,4953		6167	-1887,4553	V	6341	2901,5213	V	6517	4521,4787	V	6713	-3067,4605	V
6027	1373,3893	V	6171	1165,3409	V	6345	-1943,2287	V	6517	-1829,5031	V	6727	1543,1851	V
6027	-1679,4285	V	6171	2531,4775	V	6345	4411,4861	V	6523	1833,4205		6727	1991,2117	V

Table 1 (continued)

6727 1521,3705 V	6877 1501,4847	7021 2857,5167	7203 2941,3235 V	7343 -2251,5197 V
6727 -2603,3907 V	6887 1445,5655	7023 -4481,4883	7203 -3235,4997 V	7343 3117,5275
6727 1959,4831	6889 1825,2821 V	7029 -1897,4505 V	7203 -2941,4997 V	7343 1559,5679
6727 1539,4943	6889 2489,2987 V	7029 4957,5101 V	7203 -3235,5291 V	7343 2613,5779
6735 -4909,4969	6889 -1495,4979 V	7037 1587,2041 V	7203 -2941,5291 V	7347 -1609,3289
6743 1423,3875 V	6889 3985,5313 V	7037 -3093,3851 P	7203 4997,5291 V	7347 2167,5063
6743 -1427,4843 V	6895 1559,4079 V	7047 -1637,3061 V	7205 -1913,2683	7353 5101,5641 V
6743 -1251,4953 V	6897 2813,3989	7049 -3057,5007 P	7205 -5171,5259	7357 2139,5113
6743 -1273,5217 V	6897 2419,4861 V	7049 1619,5059	7209 -1675,3131 V	7357 3183,5225
6751 1997,5313	6903 -1607,2995 V	7049 -1873,5085 V	7209 -1495,3311 V	7363 4135,4283 V
6753 -3707,5297	6903 2807,3743	7051 -1895,5563 V	7217 -2201,3985 V	7371 -2195,2719 V
6755 -1459,2979	6903 2867,3803 V	7051 -1943,5801 V	7217 4947,5269 V	7371 -1529,3385 V
6755 1907,3883	6909 2153,4867	7061 -1543,1957	7217 2099,5573	7373 -2181,5119 V
6755 1473,5317	6909 -1945,4901 V	7061 -1941,5557 V	7225 2209,3059 V	7375 -2649,3251 PF
6759 -1579,2927 V	6915 -1519,3091	7063 2153,4903	7225 -1531,4419 V	7381 1321,4005 V
6765 1789,4249	6915 2047,5423	7063 2999,5017 P	7225 4081,5271 V	7381 1935,5081
6765 -4249,4991	6919 1493,1833 V	7067 -1895,4981 V	7233 -1577,3245	7381 1997,5143 V
6765 1789,4991	6919 2001,2815 P	7067 -1303,5573 V	7233 2213,5029	7381 -1981,5389 V
6767 -1855,4979 V	6919 1589,4105	7071 2105,4873	7233 1625,5095	7381 3387,6071 V
6767 -1583,5285 V	6919 2891,5407	7071 -3883,5545	7239 2953,4667	7383 1595,4355
6769 -1439,2985	6921 -1613,3001 V	7073 -1541,1871	7239 -4667,4985	7383 3217,5839
6769 1957,3845	6923 1465,1577 V	7077 -2161,2557	7239 2953,4985	7385 1691,2251 V
6769 -2075,4883 V	6923 1907,2173 V	7077 1543,4877	7239 -4619,5033	7385 -2147,4183 V
6769 -3831,5227	6923 1581,4803	7077 1555,4985	7239 -1915,5705 P	7389 -1717,3209 V
6777 1871,1997 V	6923 1945,4915	7083 1595,1649 V	7245 -1571,3161	7389 -1535,3391 V
6785 -3047,3797 V	6929 3037,3827	7087 -2517,3107	7245 -2119,3971 V	7391 3101,4385
6787 -4375,4947	6939 1439,2051 V	7091 1537,2055 V	7245 3077,5203	7391 -1571,5431 V
6795 -1489,2999	6939 -2125,2501 V	7091 -1999,4079 V	7245 1529,5219	7391 5703,5779 V
6797 1447,1993 V	6939 -1289,5461 V	7091 1607,4463 V	7249 1285,3921 V	7395 -1661,3269
6797 1881,2133 V	6941 -2437,5135 V	7091 2003,5109	7249 2691,5327	7399 1695,2003 V
6797 1873,2139 V	6951 -2125,5015 V	7091 1919,5207	7249 3077,5713	7399 3221,3319 V
6797 -1443,2841	6951 2119,5077	7095 -1483,3137	7249 -5679,5965	7399 -3319,5137 V
6797 1555,4717	6951 2461,5483	7095 -2491,5249 V	7257 -2147,5233 V	7399 -3221,5137 V
6801 2117,5335	6953 1499,1839 V	7101 1619,1655 V	7259 -1537,3167	7399 -3319,5235 V
6807 -1483,3055	6953 1507,1915 V	7101 1475,1961 V	7259 -2201,4099 V	7399 -3221,5235 V
6807 1909,5225	6953 2011,2829 P	7101 -1541,5587 V	7259 2111,4111	7399 5137,5235 V
6809 1437,3913 V	6953 1473,3819 V	7105 -2897,3193 V	7259 -2201,5119 V	7401 -1621,3313
6809 -1877,4921 V	6963 -1517,1957	7105 -3193,4927 V	7259 4099,5119 V	7401 1597,5141
6809 2797,5273 V	6963 1517,4795	7105 2897,4927 V	7261 1635,4101	7401 2299,5213
6811 1541,2143 V	6963 1957,4795	7105 -3191,5229 V	7263 1565,2141 V	7403 -1963,2007 C
6811 -1973,4901 V	6965 1479,4491	7105 -4927,5223 V	7271 1289,3933 V	7407 1613,2045 V
6813 -1535,3049	6965 -1913,5143 V	7105 -2897,5223 V	7271 -1919,5319 V	7407 1721,2063 V
6817 -2085,4817 V	6965 -1597,5333 V	7105 3193,5223 V	7271 -4639,5343	7409 1671,2149 V
6825 1847,4733	6965 -4013,5367	7117 -1887,1953 C	7271 3083,5727	7413 -1693,3025
6831 -3869,5239 V	6969 2167,5465	7119 1543,2005 V	7277 -1647,1925	7421 -2167,5213 V
6831 5275,5293 P	6975 -3949,5351 V	7119 1985,2795 V	7277 3189,4069	7421 1987,5475
6837 1429,4849	6981 1601,4843	7119 -2089,4013 V	7281 -4075,5693	7425 3119,3269 PF
6845 1479,2589 V	6985 1973,4513 V	7119 1613,4469 V	7281 -3937,5771 V	7429 1669,2267 V
6845 -1851,4809 V	6985 -1317,5107 V	7119 4877,5129 V	7287 1571,5059	7429 1603,4153 V
6845 1449,5359	6985 -1581,5129 V	7139 -3207,3991 V	7287 2045,5627	7429 5249,5419 V
6847 -4039,5041	6989 -1627,3129 V	7147 2167,4209 V	7291 -5767,5997	7429 5481,6059 V
6849 1877,1895 V	6993 2069,2195 V	7147 2005,4967	7293 -1961,5233 V	7439 -4225,5809
6849 1591,1897 V	6993 4849,5071 P	7147 1557,5065	7299 -2225,2641 V	7441 -1585,3077
6849 -3883,5249 V	6993 1597,5137	7153 2183,2229 P	7299 -4025,5647	7441 -1971,5267 V
6851 -2099,2797 V	7003 3159,4475 V	7161 -1615,1901	7299 -3947,5785 V	7449 2273,5167
6851 4971,5039 V	7007 1973,2071 V	7161 1879,3925 V	7301 1541,1975 V	7449 2075,5179
6853 -1923,1993	7007 3051,3149 V	7163 -1621,1875	7301 1583,2227 V	7453 -1979,5387 V
6853 -1993,4867 V	7007 1483,4031 V	7163 1631,5155	7301 -2983,3275 V	7453 2933,5503 V
6853 1923,4867	7007 -3149,4859 V	7173 5053,5629 P	7301 1555,4117 V	7455 -1607,3083
6853 -4867,4923	7007 -3051,4859 V	7179 1577,5047	7301 -3277,5067 V	7455 -2207,4177 V
6853 -1923,4923 V	7007 -3149,4957 V	7179 2195,5209	7301 -3275,5069 V	7461 -2045,2929 V
6853 1993,4923	7007 -3051,4957 V	7185 -2239,2551	7301 2983,5069 V	7461 -4093,5855 P
6853 2089,5037	7007 4859,4957 V	7185 -1549,3241	7301 -2115,5179 V	7469 -1577,5463 V
6855 2129,4819	7011 -1453,5189 V	7189 1649,2125 V	7301 -5069,5361 V	7469 -2017,6145 V
6855 2033,5377	7011 5071,5557 V	7189 -2139,4023 V	7301 -2983,5361 V	7473 1387,2023 V
6867 -1927,1997	7017 -3853,5503	7189 1629,4079 V	7301 3275,5361 V	7473 2917,4825
6867 -1595,2983 V	7021 1599,2075 V	7191 -2119,2675 V	7303 2135,3207 V	7475 -2689,3291 PF
6867 -1927,4877 V	7021 -2151,2915 V	7191 4061,5081 V	7305 3071,4249	7475 3261,5791 V
6867 1997,4877	7021 2857,3809	7191 5047,5251 V	7315 1669,2229 V	7483 -1709,3359
6867 -4877,4933	7021 -2151,3867 V	7191 5173,5515 V	7315 -1553,3207	7483 1593,4225 V
6867 -1997,4933 V	7021 2915,3867 V	7191 5173,1649 V	7315 -2131,4139 V	7491 2063,4787 V
6867 1927,4933	7021 1591,4041 V	7201 2937,4643	7319 1679,5077	7491 3427,6151 V
6873 5431,5605 V	7021 4951,5121 V	7201 1509,5313	7325 2979,3229 PF	7497 1583,1709 V
6875 1579,4079	7021 5059,5129 V	7201 -1885,5695 P	7335 5323,5737 V	7497 1625,4313 V
6875 2043,4957	7021 5093,5161 V	7203 2087,2129 V	7341 -1613,3281	7503 -1619,3383
6875 -4937,5377 C	7021 -3809,5167	7203 1525,2197 V	7341 1661,5059	7503 1969,4837

Table 1 (continued)

7503 -4837,5167	7671 -4307,5921	7857 -1711,3527 V	8037 -1753,3605 V	8239 -2213,6719 V
7503 1969,5167	7675 3121,3371 PF	7857 -1693,3545 V	8037 -1751,3607 V	8241 -1727,2263
7503 2029,5227 V	7677 2153,2351 V	7857 -2155,5783 V	8041 -2135,2861	8251 1747,5135
7503 2333,5791	7679 -2237,4345 V	7859 1701,4411	8043 1835,5587	8253 -1781,2305
7505 3067,3143 V	7679 5533,5645 V	7865 1451,4311 V	8043 1703,5801	8253 -4549,6455 V
7505 4211,4401 V	7693 -2421,4173 V	7865 -2111,5699 V	8049 -2461,2905	8253 5969,6527 V
7509 -1699,3307	7693 2017,4215 V	7865 3609,6469 V	8049 -1813,3553	8259 -1883,3623
7509 -1687,3319	7693 1765,4929 V	7875 -1717,3533 V	8049 2395,5543	8259 2435,5809
7509 1645,5429	7697 -1613,3399	7875 3527,5473	8051 2375,5593	8261 -2185,6505 V
7509 2293,5447	7705 -2081,5959 V	7881 -5077,5431	8071 1719,2251 V	8265 -1801,3709
7511 1983,2067 V	7707 -1679,3263	7881 -5029,5479	8071 1825,2469 V	8267 2195,2461 V
7511 2081,2179 V	7707 -2425,4181 V	7881 -2125,5543 V	8071 1747,4645 V	8267 -3713,5735 V
7511 1599,4343 V	7707 1759,4573 V	7885 1811,5659	8073 2251,2269 V	8271 -4559,6469 V
7513 1597,4329 V	7711 1423,4227 V	7885 1783,5687	8073 2267,3167 V	8271 5965,6541 V
7513 -5485,5529	7711 -2083,5573 V	7887 -5045,5471	8073 -4535,6229 P	8281 2323,2421 V
7513 3437,6169 V	7711 -2039,6079 V	7887 2407,5483	8085 2393,2477 V	8281 2199,2451 V
7515 -1561,3449 V	7713 -2273,2869 V	7887 2455,5671	8085 -5813,6253	8281 -3641,6005 V
7521 3185,5945	7719 -2405,2741	7887 -5671,6089	8085 3709,6649	8295 1763,6497
7521 -4225,6125 V	7719 -1691,3455	7887 2455,6089	8091 -4439,6349 P	8303 -1901,5965 V
7525 -2711,3309 PF	7719 2405,4235	7889 2199,2213 V	8097 2477,5167	8303 -2205,6535 V
7531 3397,5539 V	7719 2741,4235 C	7889 5475,5797 V	8097 -5179,5617	8305 -1871,2201
7533 -4129,4253 C	7719 1759,5545	7893 -1651,3611 V	8099 1725,2369 V	8313 3005,5767
7535 1349,4089 V	7719 -4333,5959	7903 1787,2095 V	8099 1745,2375 V	8319 2317,5771
7535 -1591,5449 V	7731 2119,2155 V	7903 2221,2319 V	8099 2411,2481 V	8319 -4595,6497
7539 1601,4861	7731 -1669,3485 V	7903 2085,4689	8099 1753,4595 V	8321 2195,5861
7539 1627,5947	7731 -1615,3539 V	7909 2117,2139 P	8099 5835,5947 V	8323 3243,3735 V
7543 3077,4371	7733 -2041,5593 V	7911 -4969,5579 V	8099 1749,6385	8323 -2321,5799 V
7553 1647,4827	7733 -5603,5691	7911 -4427,6121 V	8103 -2389,3013	8323 1767,6017
7553 2251,5337	7733 -2077,6349 V	7913 3469,3551 V	8107 1451,4399 V	8323 3243,6113 V
7553 1707,5431	7735 1669,5429	7917 3083,5813 V	8107 -2243,5919 V	8323 3735,6113 V
7557 1655,5245	7735 -4457,5973	7917 1795,6109	8107 -1717,6357 V	8323 -2287,6141 V
7557 2237,5833	7739 -2367,5443 V	7921 2135,2313 V	8107 3653,6601 V	8323 6123,6779 V
7563 1657,5255	7749 2053,4267 V	7921 4985,5519 V	8113 3557,4803	8325 1741,2461 V
7569 1631,1649 V	7749 1775,5477	7921 -2849,5695 V	8119 1761,1853 P	8327 1887,4915
7569 -2959,5567 V	7749 -2369,5485 V	7923 -2893,4613 V	8127 2269,2395 V	8327 -6033,6451
7569 -2785,5915 V	7751 4963,6311 V	7923 -1687,5819 V	8127 -2489,5659 V	8337 -2551,5807 V
7569 5459,5999 V	7755 -2147,6367 V	7931 -2943,5091 V	8127 -2309,6001 V	8339 1885,2423 V
7575 3181,3331 PF	7761 3365,4595	7931 1713,5749	8127 -4465,6371 P	8339 -3665,4581 P
7581 1643,1727 V	7761 2255,5705	7935 -1787,3503	8129 -5979,6287	8343 1801,1819 V
7587 1721,2321 V	7767 2283,3025 V	7935 2423,5707	8141 -3579,5647 V	8343 -1817,3745 V
7595 1721,2141 V	7771 1771,5591	7945 -2151,3281	8141 -2271,5667 V	8361 1805,2489 V
7595 1987,2687 V	7771 6001,6077 V	7945 -2411,4379 V	8141 1775,6387	8365 1803,2447 V
7595 1987,4157 V	7773 -1703,3479	7945 1689,5759	8145 -1859,3571 V	8365 2489,2559 V
7595 2687,4157 P	7773 1751,5401	7947 -4993,5603 V	8151 -2137,6443 V	8365 2493,4677
7595 1637,4283 V	7773 -4363,6001	7953 3337,6229 V	8157 -1861,3577	8367 -2555,3023
7601 1733,4497	7777 -1653,2185	7955 1667,5643	8157 1837,5885	8371 1897,4941
7601 -5549,5857	7777 -2447,4219 V	7955 -1467,6273 V	8163 1847,3683 V	8371 -6111,6485
7601 3181,5945	7777 -1653,5585 V	7961 -1695,5847 V	8177 1731,5077	8371 -6151,6547
7605 -3121,4289 V	7777 2185,5585	7961 1683,5859	8177 2437,5757	8371 3771,6815
7605 -4799,5341 V	7777 5393,5603 V	7965 -5003,5617 V	8177 4611,5801 V	8373 1909,5813
7609 1647,2207 V	7777 3263,6091 V	7965 -4321,6299 V	8177 2213,6015	8379 2225,2309 V
7609 -2249,4273 V	7777 -5585,6131	7967 1801,2315 V	8181 1709,2285 V	8379 2315,2495 V
7611 -2327,2747	7777 -2185,6131 V	7973 2105,2357 V	8181 -1763,3691 V	8379 5891,6575 P
7611 -1721,3353	7777 1653,6131	7973 -1737,3457	8183 2281,2379 V	8393 1809,2341 V
7611 1667,5491	7779 1759,5357	7973 -2245,4589 V	8183 2255,2507 V	8393 2347,2445 V
7617 -4277,5879	7781 2769,4275 P	7973 -2357,5667 V	8183 1877,4747 V	8393 1899,2571 V
7625 -2751,3349 PF	7791 1765,4621 V	7973 -2105,5667 V	8183 -3569,5783 V	8393 -3427,6165 V
7625 -2313,5373 V	7797 -3401,5413 V	7975 5617,5903 V	8195 -2259,5991 V	8397 5903,6479 P
7633 -2335,5383 V	7801 -2425,5985 V	7987 1821,2381 V	8195 -2303,6453 V	8397 4609,6481 P
7637 -2097,4287 V	7803 1621,2179 V	7987 -2507,4339 V	8197 1745,2291 V	8401 -3797,4697 V
7637 1727,5889	7803 2141,3059 V	7987 1819,4633 V	8197 2173,2439 V	8405 3279,3689 V
7641 1585,2269 V	7803 -3059,4285 V	7989 -1799,3527	8197 -2375,4651 V	8405 -2461,4919 V
7641 -4213,5975 V	7803 -2141,4285 V	7995 -1801,3529	8197 -3575,5793 V	8405 5331,6151 V
7645 1743,4523	7803 -3059,6121 V	7995 2491,5621	8199 1715,2435 V	8421 -2461,4637 V
7645 -5539,5891	7803 -2141,6121 V	7999 1837,5741	8211 1793,4507	8421 1835,5923
7651 -2033,5415 V	7803 4285,6121 P	8001 -1811,3523 V	8211 1849,5699	8421 1783,5959
7657 2715,4197 C	7805 1689,4629 V	8001 5555,5765 V	8217 -5911,5999	8421 2453,6143
7657 4301,4491 V	7811 2265,5439	8007 1693,2101 V	8217 -2305,6011 V	8427 1909,3499 V
7657 -2007,6053 V	7821 2185,2329 V	8019 1675,2215 V	8217 5947,6079 V	8427 -2225,5407 V
7663 -4205,4525	7827 1763,5659	8019 -1697,5893 V	8217 5963,6359 V	8427 1837,5933
7665 -2381,2729	7833 -2377,4637 V	8023 -2347,6315 V	8217 -2275,6701 V	8435 -2467,5877 V
7665 2123,5317	7833 2323,6047	8027 4901,6189 V	8225 -2181,5729 V	8435 1829,5969
7667 5635,6043 V	7843 -4303,4427 C	8029 -2455,4531 V	8227 -1797,5997 V	8437 -1797,6101 V
7671 -4907,5321	7843 4759,6047 V	8029 -2349,5589 V	8239 -2187,5737 V	8437 -2325,6871 V
7671 2125,5333	7843 -5769,6055	8029 1741,5791	8239 1775,6009	8441 1927,3307 P
7671 1723,5393	7847 2335,6051	8029 1837,5863	8239 -1553,6455 V	8451 2339,2375 V

Table 1 (continued)

8451 5941,6625 P	8653 1833,2377 V	8881 2453,6963	9101 7137,7175 P	9297 2119,4171 V
8455 -2271,6629 V	8653 -2579,3529	8883 2459,2795 V	9105 2059,6439	9299 1949,7333
8459 2283,5359 V	8653 3767,6365	8883 6263,6443 V	9107 2063,6435	9301 -6813,7337
8459 5947,6167 V	8657 -6271,6359	8883 -5039,6805 V	9107 -2503,6597 V	9303 2131,6703
8459 -6625,6669	8659 2399,2441 V	8891 -2639,6167 V	9119 3331,6411 V	9307 1967,6807
8459 3823,6899 V	8667 1871,1961 V	8897 3911,3993 V	9125 -3849,4099	9315 2177,2573 V
8463 2329,2581 V	8667 -2557,3221 V	8897 -4015,4975 V	9135 2137,2713 V	9315 -2123,4087 V
8463 -3797,5875 V	8671 -2337,6711 V	8901 6401,6887 V	9149 1937,5367 V	9317 2831,5493 V
8463 2459,6221	8673 1961,2339 V	8907 2015,6271	9149 6681,6723 V	9317 -1979,7305 V
8469 1825,1915 V	8673 -2561,4747 V	8911 -2035,3677	9149 -5321,7055	9325 -5521,5669 F
8469 -1769,3877 V	8683 1983,6243	8911 -2447,6275 V	9153 2071,2089 V	9325 -5219,5971 F
8477 1931,5431 V	8685 2383,2437 V	8911 3159,7025	9153 -2069,4033 V	9329 3303,5535
8481 1795,4879 V	8687 1839,2383 V	8913 -2653,3289	9163 2479,2731 V	9333 2183,2759 V
8481 2593,6101	8687 -3543,3781	8919 6469,6901 V	9163 1951,5283 V	9345 2717,5293
8481 -6101,6145	8687 3543,6147	8921 2369,5613 V	9163 1975,5293 V	9345 6611,6821 V
8481 2593,6145	8687 3781,6147	8925 -2453,6283 V	9163 2479,6483	9359 2143,5489 V
8481 2509,6623	8687 -6147,6385	8925 -2453,6997 V	9163 2731,6483	9359 -4115,6595 V
8481 3833,6917 V	8687 3543,6385	8925 6283,6997 V	9163 2479,6735	9359 6497,6749 V
8487 1921,2371 V	8687 3781,6385	8937 6301,6427 V	9163 2731,6735	9361 3931,5393
8487 1937,3317 P	8691 -4801,6787	8943 1901,5153 V	9163 6483,6735 V	9361 -5245,5887
8487 1937,3809 V	8701 1615,4779 V	8953 1929,5177 V	9171 2093,2705 V	9367 -2487,6793 V
8487 3317,3809 V	8701 1843,5007 V	8953 2041,5779 V	9175 5381,5431 F	9367 -1991,6883 V
8491 -1945,3697	8701 -2329,5581 P	8953 4017,6215	9177 -2683,5183 V	9367 2041,7345
8491 -5473,6567	8701 -6801,6823	8955 1951,2041 V	9177 6493,6703 V	9369 2575,2593 V
8493 3587,5039	8703 6719,6827 P	8955 -2093,3877 V	9177 -5291,7085	9369 2629,3673 V
8493 -2255,6685 V	8717 1887,4785	8957 1955,6313	9177 -2423,7237 V	9369 -5147,7345 P
8497 3311,6241 V	8723 1619,4791 V	8959 -3899,5029 P	9183 2725,7115	9373 -2725,5309 V
8503 -1811,6219 V	8723 1853,5025 V	8961 -5005,6943	9185 -1989,6591 V	9373 2137,5455 V
8503 -2357,6245 V	8723 -2361,5569 P	8965 -2411,5729 V	9185 -7087,7197	9373 4089,6623
8505 3517,3757 P	8723 -2447,6309 V	8967 -2647,4913 V	9189 2567,2711 V	9373 6843,6885 V
8517 3755,6713 V	8729 -1997,3603	8967 3953,5197	9189 6611,7187 V	9387 -5267,7249 P
8519 -2587,4693 V	8729 2669,5163 V	8967 -2781,6313 V	9205 -1949,3889	9389 -2753,6595 V
8519 1811,6001	8729 -2397,6325 V	8973 1957,2479 V	9205 -2797,5197 V	9399 2797,6611
8519 2481,6577	8739 6745,6853 P	8973 2029,4045 V	9207 -4039,4163	9405 2131,5551 V
8519 1809,6675	8745 -3133,3863 F	8981 2655,2739 V	9207 -1993,7247 V	9405 -1999,6911 V
8523 1859,2381 V	8745 3251,6151	8981 1935,5071 V	9207 -7213,7499	9409 4149,5163
8523 5987,6185 V	8745 2603,6157	8987 -2427,7319 V	9211 3615,5201 V	9409 -2523,5431 V
8529 2531,6661	8745 -2423,6883 V	8991 2027,2471 V	9215 4043,5457	9409 -3493,6013 V
8531 1947,6135	8755 3857,3867 F	8995 3243,3973 F	9215 -3313,5807 V	9409 5821,7373 V
8531 1803,6671	8757 2405,2459 V	9005 -3227,3977 F	9217 7127,7205 V	9423 -5293,7271 P
8533 -1843,2257	8757 -2461,3377 V	9009 2039,2489 V	9219 -1999,3895	9425 -5579,5731 F
8533 1843,6011	8757 -2407,3431 V	9009 -2063,3929	9223 7111,7203 V	9425 -5281,6029 F
8533 2257,6011	8757 1895,4835 V	9021 -5039,6989	9225 5161,5461 F	9435 4147,5473
8533 1859,6135	8757 -2461,5045 V	9023 -2663,5065 V	9225 6653,7067 V	9443 -2889,5205 V
8535 2611,5921	8757 3377,5045 V	9023 -5049,6963	9225 -5461,7139 V	9447 2609,6817
8549 4793,4959 V	8757 1891,6859	9025 -3421,6269 V	9225 -5161,7139 V	9449 -2059,7401 V
8559 6011,6155 V	8769 -2365,6167 V	9027 6359,6971 P	9229 1965,5321 V	9453 2611,6833
8559 -4643,6769 V	8771 1987,4843 V	9031 3269,6349 V	9229 -2493,6747 V	9457 2799,2897 P
8561 1937,2273 V	8771 -2687,6175 V	9031 -3239,6613 V	9231 -2747,3769	9457 -2897,5209 V
8561 1853,2413 V	8775 1891,2611 V	9045 4967,6983 P	9231 2747,5809	9457 -2799,5209 V
8561 -1961,3611	8789 3269,6195 V	9045 6371,7091 P	9231 3769,5809	9457 -2897,5307 V
8561 -5489,6621	8793 1915,2455 V	9051 2441,2693 V	9237 2089,6497	9457 -2799,5307 V
8575 2493,2507 V	8793 -2057,3805 V	9051 2759,4999	9237 -5639,6677	9457 5209,5307 P
8575 -3739,6061 V	8797 2005,6329	9051 -2539,5219 V	9243 6685,7081 V	9457 6565,6691 V
8577 6221,6707 V	8799 2603,6817	9051 6527,6611 V	9243 -5171,7153 V	9459 -2063,4243 V
8583 -1871,3851	8809 1919,2011 P	9053 2041,5333	9245 2579,3869 V	9471 -2159,2515 V
8585 4841,6031 V	8811 2011,2623 V	9063 2051,7145	9245 -3343,4053 F	9471 -2515,5603 V
8589 2533,6047	8813 -1993,3271	9065 -2407,6567 V	9245 4063,4083 F	9471 2159,5603 V
8591 1585,4709 V	8813 -2385,3635	9065 6537,6663 V	9247 -2833,5093 V	9471 -2515,6065 V
8591 -2377,6225 V	8813 -2601,5127 V	9065 -2511,7109 V	9247 6415,6751 V	9471 2159,6065 V
8591 3871,6995 V	8813 1907,6227	9069 -2051,3995	9247 -5237,7139	9471 5603,6065 V
8595 6181,6721 V	8823 3895,6955 V	9073 -2395,3453	9251 -6513,6687 C	9471 6829,6913 V
8601 -2281,6743 V	8827 -1997,3281	9075 -2821,3229	9255 -3317,4087 F	9475 5309,5559 F
8613 1963,2539 V	8827 3711,5207	9075 2641,3961 V	9261 2557,2755 V	9475 -5311,6059 F
8613 6049,6247 V	8829 1925,2015 V	9075 -2053,3997	9261 2113,5431 V	9477 2215,2647 V
8617 -4821,6645	8829 -2629,3257 V	9075 -1979,5281 V	9265 2693,5467	9493 -6929,6973
8619 3785,5519 V	8833 -1915,6819 V	9079 -1959,3795	9275 -2761,5189 V	9493 -6863,7325
8631 1951,2383 V	8835 2029,6341	9079 -2397,5385 V	9275 2011,5191 V	9495 -2147,3433 V
8631 -1805,3949 V	8847 6239,6365 V	9079 3753,6623	9275 2011,5441 V	9495 -2149,4181 V
8631 -2621,5107 V	8851 2639,6265	9079 -5095,7001	9275 5191,5441 F	9495 -2147,4183 V
8633 3101,5949 V	8855 2021,4891 V	9095 2511,6691	9275 -5189,5941 F	9495 3433,4183 F
8635 -3067,6353 V	8855 3863,6257	9097 2051,5359	9275 2761,5941 V	9495 3923,4193 F
8645 1969,6221	8869 1889,5123 V	9099 2501,2537 V	9275 6437,6773 V	9499 2019,5791
8649 1867,2551 V	8869 -2717,6425 V	9099 6409,7021 P	9275 2713,6827	9499 -5791,6123
8649 -3163,4835 V	8873 3707,3897 V	9101 1983,2059 V	9279 -2003,4183 V	9499 2019,6123
8649 -2419,6323 V	8877 3155,6257 V	9101 2463,7023 V	9285 2891,6721	9499 3875,6589 V

Table 1 (continued)

9499 -2609,6617 V	9745 4273,4293 F	10005 -3617,4387 F	10351 -7569,7987	10745 -2907,6303 V
9499 2831,6843	9747 2269,2881 V	10013 -4393,4517	10353 2341,6079 V	10767 2957,7921
9503 2615,6845	9747 2735,3761 V	10021 2169,5813	10353 -4645,7187 V	10767 -2459,8419 V
9505 3927,4167 F	9747 -3761,5473 V	10031 2805,2819 V	10359 2905,4039 V	10769 7745,7877 V
9513 2053,6101	9747 -2735,5473 V	10031 2287,5633 V	10359 6313,7465 P	10787 3189,7633
9513 4273,6991 V	9747 -2129,7105 V	10031 2297,7097	10371 3229,7475	10811 4021,6221
9513 -2809,7019 V	9747 -3761,7525 V	10031 -4091,7373 V	10373 -2193,4385	10813 7621,7775 V
9515 2547,2613 P	9747 -2735,7525 V	10043 -2177,7767 V	10381 -3071,5819 V	10815 2867,2993 V
9517 -3989,5373 P	9747 5473,7525 P	10045 -3051,5629 V	10381 3069,7487	10815 2447,6353 V
9519 2555,7465	9747 -2585,7675 V	10045 4533,6127	10381 2873,8005	10817 3197,6927 V
9525 5339,5639 F	9751 2885,2983 P	10045 -4143,7337 V	10387 -3019,4313	10827 3023,3221 V
9531 -6013,6695 V	9751 -2983,5375 V	10051 4411,5621	10387 2199,5701 V	10829 2871,2983 V
9531 -5255,7453 V	9751 -2885,5375 V	10053 -2819,3883 V	10395 2857,6637	10835 -7833,8383
9541 -6905,7485 C	9751 -2983,5473 V	10053 -5641,7763 P	10413 7321,8041 P	10843 7663,7915 V
9545 2029,5801	9751 -2885,5473 V	10059 2771,7757	10417 2357,6145	10849 4035,6243
9555 -2533,2927 P	9751 5375,5473 P	10063 -2979,3617	10417 -6651,7619	10849 -4023,6255 V
9555 -2927,5263 V	9751 -4285,6873 V	10063 3933,7403	10417 -8159,8203	10849 -3055,8365 V
9555 2533,5263 V	9755 4277,4287 F	10075 -3631,4429 PF	10421 4255,7373	10863 -3173,7639 V
9555 -5263,5657 P	9765 -2113,4117	10087 -2285,4253	10423 -3085,5849 V	10863 -7955,8567
9555 -2533,5657 V	9771 2729,7063	10087 -2979,7101 V	10437 -3107,5839 V	10865 2297,7953
9555 2927,5657 V	9789 2845,7195	10089 -2731,7889 V	10437 -3193,7349 V	10871 -4883,7661 V
9557 2181,6873	9793 2915,7557	10089 7303,7915 P	10443 -4601,6019 V	10871 2481,7683
9557 -2163,6891 V	9799 -2751,4143	10109 2287,5963	10443 -3185,6373 V	10879 2945,6901
9557 2161,6893	9801 5743,6931 V	10121 3955,7445	10447 4375,4437 P	10885 -2991,7579 V
9557 -2587,7473 V	9807 2699,7073	10125 -2987,3763 V	10449 2255,8237	10885 2349,8529
9567 -6037,6719 V	9809 -2851,2919	10125 -2357,4393 V	10451 3093,8065	10897 3193,7959
9569 2165,5665 V	9809 -2919,6907 V	10125 4151,4451 PF	10483 7383,7537 V	10901 -2951,3919
9571 6785,6989 V	9809 2851,6907	10127 4569,6173	10489 3097,5913	10901 2489,6453
9575 5619,5669 F	9809 -6907,6941	10127 -2741,7919 V	10491 3049,7711	10913 3021,3343 V
9579 3551,5405 P	9809 -2851,6941 V	10129 -4133,7443 V	10493 -2377,4567	10927 2365,2491 V
9579 4171,6025 P	9809 2919,6941	10129 2997,7811	10493 -3097,7389 V	10927 2897,3233 V
9583 2029,7517	9819 -2921,3625 V	10143 -2363,4399 V	10503 2447,2933 V	10933 -7697,7929 C
9585 2233,2647 V	9821 -2647,7601 V	10143 -2689,7349 V	10521 2899,8119	10961 -2501,8573 V
9585 -2533,2803 C	9823 -2249,7057 V	10149 -3155,3611	10527 7613,7745 V	10965 -3191,4549
9585 -6047,6733 V	9825 -3059,3491	10153 3671,7363	10549 -2845,6197 V	10965 -7001,7619
9585 -5437,7343 V	9825 6917,7703 V	10161 2297,2837 V	10549 2407,7463	10983 -2515,4639
9595 -2043,7047 V	9831 -3061,3493	10165 2321,7309	10571 7445,7775 V	10999 3201,6489
9603 2653,2833 V	9835 2119,2749 V	10175 4487,5873	10575 7627,8113 V	11001 4849,6361
9609 2987,6925	9837 -2299,4259 V	10175 -6519,7421	10593 7441,7621 V	11005 3359,7051
9611 -2193,4191	9837 -2245,4313 V	10179 3659,7169 V	10593 -7657,7745	11011 7919,7963 V
9611 2195,7017	9837 7115,7547 V	10185 2803,7207	10609 6593,6799 V	11019 -7037,7655
9615 2989,6959	9843 -2861,2929	10197 -5773,7823 V	10619 2423,7657	11025 3037,3373 V
9639 -2197,4229 V	9843 -2861,6931 V	10199 -2803,5723 V	10619 -5955,8327 P	11025 -4621,7769 V
9639 -2179,4247 V	9843 2929,6931	10201 -4445,6261 V	10621 -2879,8301 V	11025 6721,7981 P
9641 3579,5445 P	9843 -6931,6965	10201 -3031,6463 V	10637 2857,2879 P	11039 3055,3377 V
9641 4199,6065 P	9843 -2929,6965 V	10209 -3671,4447 V	10637 -2879,2923 C	11045 -4231,7989 V
9647 -2593,7593 V	9843 2861,6965	10209 2851,7367	10637 -2857,2923 C	11051 4669,7973
9653 -2563,2953 P	9867 -2137,2735	10215 -5783,7837 V	10637 -2879,2945 C	11073 -3379,4003
9653 -2953,5321 V	9869 2917,6325	10219 2333,6049	10637 -2857,2945 C	11073 -3277,4105
9653 2563,5321 V	9873 -6203,6961 V	10227 -2213,4451	10637 2923,2945 P	11077 -3239,3969
9653 -5321,5711 P	9875 4049,4349 PF	10227 -3119,5647 V	10637 -7693,7781	11081 4525,7691 V
9653 -2563,5711 V	9881 4459,5545	10229 6425,6531 V	10643 -7711,8349 C	11081 -3271,7719 V
9653 2953,5711 V	9881 2763,7159	10241 -3639,4493	10659 -2863,2885 C	11081 2391,8011
9657 -2185,4253 V	9889 2131,5541	10241 -2715,7211 V	10659 -2885,2929 C	11121 4067,8111
9663 3773,6973	9889 2927,6337	10241 -4229,7475 V	10659 2863,2929 P	11123 2407,3009 V
9669 -2615,6175 P	9889 -2659,7263 V	10251 7375,7933 V	10659 -2929,2951 C	11123 3291,3403 V
9669 4045,7561	9905 2139,6351	10255 -3707,4497 F	10659 -2863,2951 C	11127 -3289,4129
9671 -2553,7627 V	9905 2783,7647	10255 -4603,7117 V	10659 2885,2951 P	11129 -4845,4907 C
9673 7115,7625 V	9909 -5545,7667 V	10261 -4471,5759 P	10659 -2951,8335 V	11137 2523,3013 V
9675 2677,2713 V	9911 2263,5867	10269 -3055,3791 V	10659 -2885,8335 V	11137 2957,3083 V
9675 -2263,4187 V	9911 2927,7239	10279 -2761,8059 V	10659 2863,8335	11137 4705,8023
9691 -2621,6189 P	9917 -2785,7179 V	10279 2759,8061	10659 2929,8335	11143 -2995,4029
9691 6813,7033 V	9925 -3569,4371 PF	10283 -3035,7451 V	10659 -8335,8357	11143 -8621,8731
9691 4051,7575	9937 2247,7167	10285 7523,7567 V	10659 -2929,8357 V	11163 -4025,6589 V
9695 -2061,4071	9937 -2635,7825 V	10287 -2395,4463 V	10659 -2863,8357 V	11163 -3293,8053 V
9695 -4261,6729 V	9943 -2239,7215 V	10291 4643,5771	10659 2885,8357	11179 2419,8053
9703 -4071,5477 P	9945 -2317,4313 V	10295 2219,5769	10659 2951,8357	11181 -3097,4357
9703 6865,7491 V	9945 4157,4463 V	10295 3047,6597	10665 2483,3167 V	11187 4583,7169
9709 -2097,4077	9961 2257,2271 V	10297 -3041,7459 V	10669 -5847,6843	11221 2561,3037 V
9709 4103,5587	9961 2281,7183	10307 2231,5979	10675 2957,7543	11229 3101,7795
9709 -4357,6843 V	9987 2789,6097	10317 -2335,7439 V	10683 -5863,8381 P	11253 3013,3343 P
9709 2095,7509	9993 -6113,7211	10319 3023,5817	10701 -5873,8395 P	11281 2445,6335 V
9711 2707,3805 V	9995 4133,4383 F	10319 3003,7265	10719 -5887,8405 P	11283 3335,7831
9731 2977,7017	9999 2261,2279 V	10339 -3137,5795 V	10725 7559,7889 V	11283 3347,8167
9737 -2101,4269	10003 2811,7297	10339 -3163,7491 V	10731 -3193,6005 V	11285 -6329,8841 P
9737 2203,5367 V	10003 2263,7719	10341 2357,3077 V	10737 2993,3011 V	11295 8141,8861 P

Table 1 (continued)

11313	-6353,8731	P	11755	6573,6813	F	12261	3751,8843		12951	7895,9335	P
11331	8201,8885	P	11767	-3475,6843	V	12261	-6857,9613	V	12957	3833,9109	
11339	-3057,8775	V	11769	-3479,4367		12267	2659,6889	V	12963	3835,9131	
11343	-2567,8179	V	11795	3487,6623		12285	5347,8693		12977	-4799,7475	P
11349	8179,8899	P	11809	3583,6957	V	12293	5195,7745		12977	2801,9493	
11363	2571,6703		11823	-3617,4265		12313	3321,3643	V	12985	3513,3597	V
11377	-6361,6609		11823	-4607,4985		12315	3439,8549		12995	5453,5463	F
11381	4107,6387	V	11823	4607,8527		12321	-5107,7769	V	13015	4757,7497	P
11381	-2419,8363	V	11823	4985,8527		12321	7549,8881	P	13053	5393,8347	
11381	3055,8925		11829	-3619,4267		12325	5029,5179	PF	13095	4841,9269	
11391	3383,7915		11847	8543,8675	V	12331	-7813,9001		13139	3637,10139	
11391	3485,8239		11877	-3527,4391		12331	-8913,9661		13149	4879,9307	
11395	-3333,4087		11881	3269,4359	V	12353	-7895,9017		13197	3859,9709	
11397	3157,8243		11881	-5015,6975	V	12353	-2675,9073	V	13225	3909,5059	V
11397	3373,8249		11883	-3529,4393		12367	-3325,8959	V	13237	3021,9537	
11403	-3371,6403	V	11883	-7595,8249		12369	3673,8585		13255	-7433,8473	F
11417	2603,3163	V	11883	-3271,9311	V	12383	3343,3665	V	13265	9557,9683	V
11431	-6649,8821		11907	5249,6901		12403	4395,7535		13281	3941,8353	
11445	3383,8257		11907	-4913,8695	V	12403	4475,7615	V	13287	-3943,4915	
11449	6421,7063	V	11913	-8711,9217		12419	4413,8747	V	13329	9607,10291	P
11451	3097,3163	P	11921	3215,3299	V	12425	-4871,5069	PF	13357	-5663,7751	V
11451	3097,7955		11931	-3641,4313		12439	-3673,8661	V	13387	3977,8575	P
11451	3163,7955		11931	-7627,8281		12477	-3691,4627		13433	3721,9677	
11451	3385,8279		11935	-5199,5261	C	12481	-3309,7389	V	13443	4985,9451	
11473	2599,8265		11937	-3541,4417		12483	-3353,9787	V	13467	3619,5227	V
11473	3105,8375		11937	-3325,4633		12489	-3367,9665	V	13475	-5913,7837	V
11495	-4243,5067		11943	8645,9221	P	12495	2827,3373	V	13505	5137,5667	Fa
11499	3509,8293		11949	-6935,9221		12505	4747,5257	Fa	13561	-3725,4009	C
11499	3203,8317		11951	5017,6877		12507	4651,8809	V	13689	7957,8659	V
11501	4265,6491	C	11957	-3229,3295	C	12509	3377,3447	V	13699	-5749,5787	
11501	-4885,6987	P	11961	-6569,9379	P	12513	-3497,9661	V	13699	-5787,7893	V
11501	-7375,8101		11979	8633,9245	P	12561	4453,7633		13699	5749,7893	
11501	-6455,8875		11991	-4951,8753	V	12561	4531,7711	V	13699	-7893,7969	
11505	3511,8321		11995	4563,5043	F	12573	2723,7295	V	13699	-5749,7969	V
11533	-6449,7079		11997	8683,9259	P	12573	-3403,8027	P	13699	5787,7969	
11553	3431,8353		12005	-4411,7349	V	12575	-4929,5131	PF	13717	3767,3789	P
11557	-2637,4881		12015	2543,6593	V	12581	5155,7915	V	13717	4075,8673	P
11557	-3413,6485	V	12019	-2743,5069		12595	-3461,7989	P	13737	-5765,5803	
11563	4291,6529	C	12039	-3563,4463		12617	5297,5359	P	13737	-5765,7915	V
11563	-4911,7025	P	12030	-7687,8365		12627	-7087,9749	P	13737	5803,7915	
11571	-6715,8923		12065	5109,5299	V	12635	-5357,7297	V	13737	-7915,7991	
11591	-3063,4549	V	12089	-2759,5263		12645	-7097,9763	P	13737	-5803,7991	V
11605	-3117,7433	P	12089	8521,8719	V	12663	-7111,9773	P	13737	5765,7991	
11605	-7417,8407		12093	-7723,8401		12675	5171,5321	PF	13773	4087,9683	
11607	-3443,4295		12103	5335,7015		12675	-4679,8971	V	13949	10053,10111	P
11607	3215,8371		12103	-2739,8727	V	12685	3491,9151		13965	-4133,10117	V
11609	-4269,5117		12111	2623,7027	V	12699	3713,5207	P	14063	-3793,8261	V
11609	2625,8373		12117	3271,3607	V	12705	-3887,7003	V	14079	-5891,8131	V
11613	3433,8069		12117	-5275,8573	V	12711	-3545,9835	V	14113	-5073,10323	V
11619	8375,8411	P	12141	3259,9521		12719	-4667,8131	V	14147	-3819,8307	V
11625	3199,8551		12153	3385,8765		12731	3763,8153	V	14161	5235,5473	V
11627	-3139,4195		12173	-3419,8801	V	12733	3779,5277	P	14161	-6213,8237	V
11627	-3193,7377	P	12177	-4325,8959	V	12741	4679,7145	V	14161	-3823,8315	V
11645	3389,8239		12187	3287,3357	V	12745	7147,7387	F	14167	-6215,8231	V
11661	-7453,8095		12207	3625,8807		12745	7127,7397	F	14269	6267,9041	V
11661	3257,8101		12221	3607,3629	P	12749	-4739,9169	V	14273	-4223,8011	V
11687	-6535,6783		12245	4497,6867	V	12755	7153,7403	F	14283	8279,10349	V
11691	8425,8461	P	12245	-6867,7827	F	12789	-3785,9265	V	14289	-10447,11195	
11711	3557,6903	V	12245	-4497,7827	V	12795	3797,9013		14297	-10457,11211	
11715	3263,7147		12245	-6847,7847	F	12833	-5385,7243	V	14307	5911,8263	
11715	3467,8443		12255	4549,7061		12839	-3557,10059	V	14383	6321,8347	
11721	-7493,8135		12255	-6853,7853	F	12863	-4759,5653		14399	5323,10141	V
11737	-3235,9195	V	12261	3637,8837		12947	-3497,10143	V	14421	6353,8087	

14421	-5351,8329	P	16023	-4741,11609	V	16709	12049,12093	V	17563	6781,6807	PF
14443	-5341,10415	V	16303	4401,4513	V	16791	6359,12101	P	17589	-6739,6791	PF
14459	5365,8409	P	16587	6073,9641		16819	4973,4995	P	18373	7713,10679	
14497	6371,8373		16625	7023,10477		16849	6401,12143	P	18501	-11411,11495	
14509	4309,8907	P	16641	-6451,10319	V	16875	9899,10349	F	18543	7043,11521	
14531	4315,8913	P	16669	-4307,10245	V	16951	1939,12225	V	18723	-7109,11851	V
14573	6021,8457		16709	12049,12093	V	17161	-6551,9955	V	19683	-8261,12151	V
14641	5565,6049	V	16791	6359,12101	P	17563	6781,6807	PF	19691	14191,14249	P
14641	5413,10319	V	16819	4973,4995	P	17589	-6739,6791	PF			
14651	-6429,8521	V	16849	6401,12143	P	18373	7713,10679				
14663	-6433,8509	V	16875	9899,10349	F	18501	-11411,11495				
14801	-6193,8589	V	16951	1939,12225	V	18543	7043,11521				
14825	6079,6129	PF	17161	-6551,9955	V	18723	-7109,11851	V			
14839	6271,8625		17563	6781,6807	PF	19683	-8261,12151	V			
14847	-4393,10757	V	17589	-6739,6791	PF	19691	14191,14249	P			
14875	6149,6249	PF	18373	7713,10679							
14893	5507,10489	V	18501	-11411,11495							
14973	-6271,6581	C	18543	7043,11521							
14975	-5841,6139	PF	18723	-7109,11851	V						
14975	-5791,6189	PF	19683	-8261,12151	V						
15025	-5859,6161	PF	19691	14191,14249	P						
15025	-5809,6211	PF									
15043	6631,8719										
15123	5539,6391	V									
15123	9371,10649	V									
15125	6251,6351	PF									
15129	-4183,9347	V									
15143	5537,8809										
15175	6221,6271	PF									
15181	5635,8747										
15221	5585,8531	C									
15337	-6729,8921	V									
15341	4539,9829										
15531	5699,8705	C									
15779	-6625,6935	C									
15827	6539,10121										
15851	4379,4709	P									
16017	-5881,7039										