

Supplement to
POLYNOMIAL INVARIANTS OF 2-BRIDGE KNOTS
THROUGH 22 CROSSINGS

TAIZO KANENOBU AND TOSHIO SUMI

Table 1

	10 crossing	15 crossing	429 -89,331	693 -205,481	V	591 415,469	C
49	-15,27	V	429 -89,333	693 -191,481	V	595 -257,467	
51	11,23		429 331,353	693 -151,481		607 323,473	
57	-13,41		435 -91,341	693 -205,509	V	611 107,159	
			441 -103,191	693 -191,509		623 447,489	C
	11 crossing		451 -85,355	693 -151,509	V	623 -165,493	V
			455 -97,323	693 481,509		627 -119,547	
105	29,41	C	459 107,143	693 -205,535	V	627 -115,457	
			473 -85,257	693 -191,535	V	629 -113,351	
	12 crossing		473 -217,389	693 -151,535		639 -145,521	C
63	-13,43		477 -209,389	693 481,535	P	645 203,227	C
81	19,37	V	480 103,205	693 509,535		655 499,511	
91	19,37		483 -221,313	711 -155,319	V	651 199,205	C
105	23,47		483 -221,331	715 163,423	V	651 -205,509	V
111	-25,77		483 313,331	721 165,417	V	651 -199,509	
121	-43,89		483 -221,373	729 217,271	V	651 -205,515	V
133	-29,97		483 313,373	735 -223,539	V	651 -199,515	
147	-43,83	V	483 331,373	737 167,435	V	651 509,515	
159	47,59		483 -113,379	747 -169,329	V	667 123,199	
165	-49,119		489 -145,335	749 171,423	V	671 -153,551	
	13 crossing		493 107,277	749 -223,547	V	699 493,535	
			333 -71,271	759 -205,587	V	699 379,541	
99	-17,71		341 -61,247	765 173,227	V	703 -395,441	V
135	-37,107		341 -145,269	777 -341,541	P	705 497,557	
143	-27,105		343 239,253	777 -317,571		713 -127,517	V
153	-83,121	V	351 -199,269	779 -165,573		715 127,387	V
161	113,127	C	497 253,281	781 371,615		715 -161,421	
171	-97,131	V	369 -113,283	507 -157,389	V	715 -327,587	
180	-53,145		385 117,173	517 -113,371	V	721 -221,563	V
189	-79,149	V	385 -71,281	525 -113,377	V	737 137,405	V
203	-80,159	C	385 -163,303	529 -229,369	V	737 -169,437	
213	65,77	C	529 311,413	519 187,229	V	737 -333,601	
219	61,67	C	399 -173,313	537 167,191		745 -303,417	F
231	167,181	C	429 307,335	537 -125,295		747 -205,515	V
245	-103,137	F	429 131,155	539 -141,391	V	749 199,585	V
255	-143,163	F	399 121,163	543 127,235		753 409,595	
	14 crossing		459 -127,359	543 -169,377		755 -423,483	F
121	-23,65	V	473 -305,333	551 -243,327	V	759 461,551	
159	35,71		473 193,365	551 -149,431	V	759 431,581	C
161	37,51	V	477 -301,335	553 125,225		777 599,613	
165	-37,113		477 -263,373	553 -153,379		781 -177,637	
169	-31,125		495 -203,277	555 -251,319		783 -505,539	V
169	-53,129	V	495 -311,349	559 -119,397		783 -217,611	V
207	43,61	V	495 -277,383	561 -163,313		799 143,211	V
209	-59,161	V	495 203,383	581 -261,403		801 -443,625	V
221	-41,163		505 -283,323	581 -263,409	P	807 445,619	
225	-47,103	V	513 -143,397	589 -123,435		813 176,367	
231	-41,125		517 117,139	595 -177,333		813 461,623	V
231	53,137	V	531 -149,373	595 269,439	P	819 -457,635	
243	55,109	V	551 -119,403	597 -139,461		819 -179,667	
245	-71,139	V	649 -181,457	603 419,473	P	825 -233,647	
253	-47,139	V	745 -313,437	605 -219,441	V	833 601,615	P
253	57,149	V	755 -443,463	621 449,485	V	833 -489,659	V
259	50,143		621 -341,487	621 341,487	P	837 -539,577	V
259	55,183		623 141,279	623 141,279		837 -233,649	V
261	-61,113		169 27,79	625 349,399	F	841 -249,621	
267	83,95	V	213 47,95	629 -133,513		851 -157,625	
273	-85,197	V	219 -49,149	637 -167,449	V	861 619,625	
275	-73,213	V	245 39,59	639 -353,499	P	861 487,661	
279	65,83	V	255 -41,209	651 149,191	V	867 665,671	
287	61,121		275 -47,217	657 -367,509	P	867 -239,679	V
289	171,205	V	287 -59,221	663 -193,487		869 -185,673	
297	215,233	P	289 -101,239	665 -139,491		873 -245,601	V
301	65,31		343 -99,195	671 485,529		875 479,619	V
315	-173,247	P	351 73,109	675 -379,521	P	889 233,487	V
321	205,223		361 -75,267	675 487,523	P	899 -407,823	
327	-97,227		363 -67,197	679 187,201		909 -277,641	
329	-71,237		369 -67,169	679 -201,471	V	913 -197,529	
333	-187,257	P	375 119,131	679 -187,471		915 209,251	
351	253,271	P	377 -99,307	679 -201,499		915 197,257	
361	-153,227	V	381 79,175	679 -187,499	V	917 -543,717	V
363	-131,265	PF	381 -121,275	679 471,499		921 199,253	
505	293,313	PF	385 -87,263	693 151,191	V	921 647,707	V
			405 91,181	693 151,205	V	927 -283,725	
			427 -127,293	693 191,205	V	931 -389,523	V

Table 1 (continued)

1819	V	2117	V	2453	355,1427	V	2831	-1051,1583	3675	-1619,2131	F	1199	V	1589	V	1903	-349,1469	V	2140	-577,1579	V	2345	V	
1819	V	2121	V	2835	1581,2011	V	3725	-1444,1559	F	3725	-1444,1559	F	1209	V	1603	V	1911	407,1037	V	2148	-571,1585	V	2345	V
1827	V	2139	V	2849	-615,1651	F	3725	-1339,1641	F	3725	-1339,1641	F	1215	V	1603	V	1917	-1061,1498	P	2150	-571,1585	V	2345	V
1833	V	2147	V	2853	1207,2021	V	3725	1371,1653	F	3725	1371,1653	F	1221	V	1611	V	1925	541,611	V	2162	-971,1705	V	2349	V
1837	V	2149	V	2859	803,845	F	3775	-1061,1659	F	3775	-1061,1659	F	1233	V	1611	V	1933	1051,1461	V	2167	1007,1795	V	2349	V
1837	V	2157	V	2859	817,289	F	3775	1041,1055	C	3775	1041,1055	C	1233	V	1623	V	1943	-1063,1489	V	2185	401,591	V	2353	V
1839	V	2163	V	2849	698,1717	V	3818	1415,2153	P	3818	1415,2153	P	1239	V	1629	V	1963	443,877	V	2185	633,1783	V	2359	V
1839	V	2163	V	2849	1023,1447	F	3825	169,2219	F	3825	169,2219	F	1249	V	1631	V	1963	-877,1385	V	2187	-451,1007	V	2359	V
1839	V	2163	V	2849	1023,1447	F	3825	169,2219	F	3825	169,2219	F	1249	V	1631	V	1963	-877,1385	V	2187	-451,1007	V	2359	V
1843	V	2168	V	2869	-1035,1299	C	3893	-1035,1299	C	3893	-1035,1299	C	1255	V	1631	V	1967	-569,1117	V	2189	-577,1403	V	2367	V
1843	V	2168	V	2869	-1035,1299	C	3893	-1035,1299	C	3893	-1035,1299	C	1255	V	1631	V	1967	-569,1117	V	2189	-577,1403	V	2367	V
1845	V	2169	V	2873	765,1807	C	3937	1653,1715	P	3937	1653,1715	P	1265	V	1639	V	1967	-569,1117	V	2189	-577,1403	V	2367	V
1845	V	2169	V	2873	765,1807	C	3937	1653,1715	P	3937	1653,1715	P	1265	V	1639	V	1967	-569,1117	V	2189	-577,1403	V	2367	V
1855	V	2167	V	2882	-767,1819	C	3899	1115,1559	C	3899	1115,1559	C	1265	V	1647	V	1967	-569,1117	V	2189	-577,1403	V	2367	V
1855	V	2167	V	2882	-767,1819	C	3899	1115,1559	C	3899	1115,1559	C	1265	V	1647	V	1967	-569,1117	V	2189	-577,1403	V	2367	V
1869	V	2171	V	2907	889,1049	V	4275	1143,1509	V	4275	1143,1509	V	1265	V	1659	V	1971	475,1423	V	2193	-633,1801	V	2373	V
1869	V	2171	V	2907	889,1049	V	4275	1143,1509	V	4275	1143,1509	V	1265	V	1659	V	1971	475,1423	V	2193	-633,1801	V	2373	V
1887	V	2189	V	2907	1049,1705	V	4401	-1711,2653	F	4401	-1711,2653	F	1281	V	1661	V	1971	-1099,1529	P	2201	-653,1193	V	2379	V
1887	V	2189	V	2907	1049,1705	V	4401	-1711,2653	F	4401	-1711,2653	F	1281	V	1661	V	1971	-1099,1529	P	2201	-653,1193	V	2379	V
1893	V	2189	V	2907	1033,1721	C	4500	crossing		4500	crossing		1287	V	1665	V	1989	-437,889	V	2201	-461,1527	V	2387	V
1893	V	2189	V	2907	1033,1721	C	4500	crossing		4500	crossing		1287	V	1665	V	1989	-437,889	V	2201	-461,1527	V	2387	V
1893	V	2189	V	2907	1033,1721	C	4500	crossing		4500	crossing		1287	V	1665	V	1989	-437,889	V	2201	-461,1527	V	2387	V
1897	V	2191	V	2915	-773,1667	C	289	35,137	V	289	35,137	V	1305	V	1673	V	1995	421,911	V	2211	-623,1819	V	2401	V
1897	V	2191	V	2915	-773,1667	C	289	35,137	V	289	35,137	V	1305	V	1673	V	1995	421,911	V	2211	-623,1819	V	2401	V
1903	V	2201	V	2915	-631,2141	F	327	-73,221	V	327	-73,221	V	1305	V	1673	V	1995	1157,1187	PF	2217	487,991	V	2401	V
1903	V	2201	V	2915	-631,2141	F	327	-73,221	V	327	-73,221	V	1305	V	1673	V	1995	1157,1187	PF	2217	487,991	V	2401	V
1911	V	2211	V	2945	2107,2283	C	529	188,461	V	529	188,461	V	1309	V	1683	V	2001	415,919	V	2219	-907,1629	V	2401	V
1911	V	2211	V	2945	2107,2283	C	529	188,461	V	529	188,461	V	1309	V	1683	V	2001	415,919	V	2219	-907,1629	V	2401	V
1917	V	2217	V	2933	1661,2067	V	593	153,207	V	593	153,207	V	1323	V	1701	V	2005	-1193,1213	PF	2223	461,479	V	2403	V
1917	V	2217	V	2933	1661,2067	V	593	153,207	V	593	153,207	V	1323	V	1701	V	2005	-1193,1213	PF	2223	461,479	V	2403	V
1925	V	2219	V	2933	1655,2075	V	597	-193,431	V	597	-193,431	V	1339	V	1703	V	2007	1375,1555	P	2223	-1447,1517	P	2403	V
1925	V	2219	V	2933	1655,2075	V	597	-193,431	V	597	-193,431	V	1339	V	1703	V	2007	1375,1555	P	2223	-1447,1517	P	2403	V
1935	V	2227	V	2945	-1077,1647	V	639	193,205	V	639	193,205	V	1349	V	1705	V	2009	433,1091	V	2223	-469,1637	V	2405	V
1935	V	2227	V	2945	-1077,1647	V	639	193,205	V	639	193,205	V	1349	V	1705	V	2009	433,1091	V	2223	-469,1637	V	2405	V
1941	V	2233	V	2947	821,1283	V	675	-91,351	V	675	-91,351	V	1357	V	1715	V	2035	-359,1261	V	2223	-469,1637	V	2407	V
1941	V	2233	V	2947	821,1283	V	675	-91,351	V	675	-91,351	V	1357	V	1715	V	2035	-359,1261	V	2223	-469,1637	V	2407	V
1947	V	2249	V	2947	857,1699	V	729	163,325	V	729	163,325	V	1367	V	1715	V	2035	-359,1261	V	2223	-469,1637	V	2407	V
1947	V	2249	V	2947	857,1699	V	729	163,325	V	729	163,325	V	1367	V	1715	V	2035	-359,1261	V	2223	-469,1637	V	2407	V
1953	V	2257	V	2947	-1793,707	C	745	119,179	V	745	119,179	V	1368	V	1719	V	2047	-365,1147	V	2249	-457,1549	V	2419	V
1953	V	2257	V	2947	-1793,707	C	745	119,179	V	745	119,179	V	1368	V	1719	V	2047	-365,1147	V	2249	-457,1549	V	2419	V
1955	V	2263	V	2967	-773,1667	C	783	133,279	V	783	133,279	V	1368	V	1729	V	2047	-365,1147	V	2249	-457,1549	V	2419	V
1955	V	2263	V	2967	-773,1667	C	783	133,279	V	783	133,279	V	1368	V	1729	V	2047	-365,1147	V	2249	-457,1549	V	2419	V
1955	V	2263	V	2967	-773,1667	C	783	133,279	V	783	133,279	V	1368	V	1729	V	2047	-365,1147	V	2249	-457,1549	V	2419	V
1967	V	2269	V	2973	-481,1333	V	801	-187,347	V	801	-187,347	V	1397	V	1729	V	2051	-593,1423	V	2249	-457,1549	V	2431	V
1967	V	2269	V	2973	-481,1333	V	801	-187,347	V	801	-187,347	V	1397	V	1729	V	2051	-593,1423	V	2249	-457,1549	V	2431	V
1967	V	2269	V	2973	-481,1333	V	801	-187,347	V	801	-187,347	V	1397	V	1729	V	2051	-593,1423	V	2249	-457,1549	V	2431	V
1969	V	2295	V	2973	821,1283	V	819	173,697	V	819	173,697	V	1407	V	1729	V	2051	-593,1423	V	2249	-457,1549	V	2431	V
1969	V	2295	V	2973	821,1283	V	819	173,697	V	819	173,697	V	1407	V	1729	V	2051	-593,1423	V	2249	-457,1549	V	2431	V
1971	V	2303	V	2973	-481,1333	V	841	-173,697	V	841	-173,697	V	1425	V	1751	V	2051	-593,1423	V	2249	-457,1549	V	2431	V
1971	V	2303	V	2973	-481,1333	V	841	-173,697	V	841	-173,697	V	1425	V	1751	V	2051	-593,1423	V	2249	-457,1549	V	2431	V
1971	V	2303	V	2973	-481,1333	V	841	-173,697	V	841	-173,697	V	1425	V	1751	V	2051	-593,1423	V	2249	-457,1549	V	2431	V
1995	V	2317	V	2947	857,1699	V	845	131,391	V	845	131,391	V	1425	V	1751	V	2051	-593,1423	V	2249	-457,1549	V	2431	V
1995	V	2317	V	2947	857,1699	V	845	131,391	V	845	131,391	V	1425	V	1751	V	2051	-593,1423	V	2249	-457,1549	V	2431	V
2001	V	2317	V	2947	857,1699	V	845	131,391	V	845	131,391	V	1425	V	1751	V	2051	-593,1423	V	2249	-457,1549	V	2431	V
2001	V	2317	V	2947	857,1699	V	845	131,391	V	845	131,391	V	1425	V	1751	V	2051	-593,1423	V	2249	-457,1549	V	2431	V
2001	V	2317	V	2947	857,1699	V	845	131,391	V	845	131,391	V	1425	V	1751	V	2051	-593,1423	V	2249	-457,1549	V	2431	V
2001	V	2317	V	2947	857,1699	V	845	131,391	V	845	131,391	V	1425	V	1751	V	2051	-593,1423	V	2249	-457,1549	V	2431	V
2001	V	2317	V	2947	857,1699	V	845	131,391	V	845	131,391	V	1425	V	1751	V	2051	-593,1423	V	2249	-457,1549	V	2431	V
2001	V	2317	V	2947	857,1699	V	845	131,391	V	845	131,391	V	1425	V	1751	V	2051	-593,1423	V	2249	-457,1549	V	2	

Table 1 (continued)

Table with 10 columns: numerical ID, numerical value, letter code, numerical value, letter code, numerical value, letter code, numerical value, letter code, numerical value, letter code. The table contains multiple rows of data, some with 'C' or 'P' codes and others with 'V' codes.

Table 1 (continued)

Table with 10 columns: numerical ID, numerical value, letter code, numerical value, letter code, numerical value, letter code, numerical value, letter code, numerical value, letter code. This is a continuation of the data from the first table, showing numerical values and their corresponding letter codes.

Table 1 (continued)

Table with columns for IDs (e.g., 5243, 5244, 5245...), coordinates (e.g., 5571-1120.3883), names (e.g., V, V, V...), and a final column of IDs (e.g., 6525, 6526...).

Table 1 (continued)

Table with columns for IDs (e.g., 5243, 5244, 5245...), coordinates (e.g., 5571-1307.2407), names (e.g., V, V, V...), and a final column of IDs (e.g., 6525, 6526...).

Table 1 (continued)

6727	1521.3705	V	6787	1	7021	2857.5167	V	7343	2251.5197	V	7503	4837.5167	V	8037	-5	V	8236	2019.6710	V
6728	1526.3907	V	6888	1	7022	4481.4883	V	7344	3117.5275	V	7504	1969.5167	V	8038	-7	V	8237	1727.2263	V
6729	1697.4505	V	6889	1	7023	3235.4997	V	7345	1559.5679	V	7505	2029.5277	V	8041	1	V	8251	1747.5135	V
6730	1697.4505	V	6890	1	7024	3235.4997	V	7346	2613.5779	V	7506	3333.5791	V	8042	7	V	8252	1781.2805	V
6731	1909.4861	V	6891	1	7025	1584.7044	V	7347	2133.5791	V	7507	3231.5643	V	8043	7	V	8253	4649.4605	V
6732	1423.3875	V	6892	1	7026	3093.3851	V	7348	2017.5693	V	7508	4211.4443	V	8044	-3	V	8254	1683.2623	V
6733	1427.4843	V	6893	1	7027	1637.3061	V	7349	5101.5643	V	7509	1699.3307	V	8045	-5	V	8259	2435.5809	V
6734	1431.4953	V	6894	1	7028	4057.5007	P	7350	2339.5113	V	7510	1687.3319	V	8046	-5	V	8261	2185.6505	V
6735	1907.3313	V	6895	1	7029	1879.5049	V	7351	3185.5225	V	7511	1781.5171	V	8047	7	V	8262	1801.3709	V
6736	1459.2979	V	6896	1	7030	1879.5049	V	7352	3185.5225	V	7512	1781.5171	V	8048	7	V	8263	2185.6505	V
6737	1459.2979	V	6897	1	7031	1879.5049	V	7353	3185.5225	V	7513	1781.5171	V	8049	7	V	8264	1801.3709	V
6738	1459.2979	V	6898	1	7032	1879.5049	V	7354	3185.5225	V	7514	1781.5171	V	8050	7	V	8265	2185.6505	V
6739	1459.2979	V	6899	1	7033	1879.5049	V	7355	3185.5225	V	7515	1781.5171	V	8051	7	V	8266	1801.3709	V
6740	1459.2979	V	6900	1	7034	1879.5049	V	7356	3185.5225	V	7516	1781.5171	V	8052	7	V	8267	2185.6505	V
6741	1459.2979	V	6901	1	7035	1879.5049	V	7357	3185.5225	V	7517	1781.5171	V	8053	7	V	8268	1801.3709	V
6742	1459.2979	V	6902	1	7036	1879.5049	V	7358	3185.5225	V	7518	1781.5171	V	8054	7	V	8269	2185.6505	V
6743	1459.2979	V	6903	1	7037	1879.5049	V	7359	3185.5225	V	7519	1781.5171	V	8055	7	V	8270	1801.3709	V
6744	1459.2979	V	6904	1	7038	1879.5049	V	7360	3185.5225	V	7520	1781.5171	V	8056	7	V	8271	2185.6505	V
6745	1459.2979	V	6905	1	7039	1879.5049	V	7361	3185.5225	V	7521	1781.5171	V	8057	7	V	8272	1801.3709	V
6746	1459.2979	V	6906	1	7040	1879.5049	V	7362	3185.5225	V	7522	1781.5171	V	8058	7	V	8273	2185.6505	V
6747	1459.2979	V	6907	1	7041	1879.5049	V	7363	3185.5225	V	7523	1781.5171	V	8059	7	V	8274	1801.3709	V
6748	1459.2979	V	6908	1	7042	1879.5049	V	7364	3185.5225	V	7524	1781.5171	V	8060	7	V	8275	2185.6505	V
6749	1459.2979	V	6909	1	7043	1879.5049	V	7365	3185.5225	V	7525	1781.5171	V	8061	7	V	8276	1801.3709	V
6750	1459.2979	V	6910	1	7044	1879.5049	V	7366	3185.5225	V	7526	1781.5171	V	8062	7	V	8277	2185.6505	V
6751	1459.2979	V	6911	1	7045	1879.5049	V	7367	3185.5225	V	7527	1781.5171	V	8063	7	V	8278	1801.3709	V
6752	1459.2979	V	6912	1	7046	1879.5049	V	7368	3185.5225	V	7528	1781.5171	V	8064	7	V	8279	2185.6505	V
6753	1459.2979	V	6913	1	7047	1879.5049	V	7369	3185.5225	V	7529	1781.5171	V	8065	7	V	8280	1801.3709	V
6754	1459.2979	V	6914	1	7048	1879.5049	V	7370	3185.5225	V	7530	1781.5171	V	8066	7	V	8281	2185.6505	V
6755	1459.2979	V	6915	1	7049	1879.5049	V	7371	3185.5225	V	7531	1781.5171	V	8067	7	V	8282	1801.3709	V
6756	1459.2979	V	6916	1	7050	1879.5049	V	7372	3185.5225	V	7532	1781.5171	V	8068	7	V	8283	2185.6505	V
6757	1459.2979	V	6917	1	7051	1879.5049	V	7373	3185.5225	V	7533	1781.5171	V	8069	7	V	8284	1801.3709	V
6758	1459.2979	V	6918	1	7052	1879.5049	V	7374	3185.5225	V	7534	1781.5171	V	8070	7	V	8285	2185.6505	V
6759	1459.2979	V	6919	1	7053	1879.5049	V	7375	3185.5225	V	7535	1781.5171	V	8071	7	V	8286	1801.3709	V
6760	1459.2979	V	6920	1	7054	1879.5049	V	7376	3185.5225	V	7536	1781.5171	V	8072	7	V	8287	2185.6505	V
6761	1459.2979	V	6921	1	7055	1879.5049	V	7377	3185.5225	V	7537	1781.5171	V	8073	7	V	8288	1801.3709	V
6762	1459.2979	V	6922	1	7056	1879.5049	V	7378	3185.5225	V	7538	1781.5171	V	8074	7	V	8289	2185.6505	V
6763	1459.2979	V	6923	1	7057	1879.5049	V	7379	3185.5225	V	7539	1781.5171	V	8075	7	V	8290	1801.3709	V
6764	1459.2979	V	6924	1	7058	1879.5049	V	7380	3185.5225	V	7540	1781.5171	V	8076	7	V	8291	2185.6505	V
6765	1459.2979	V	6925	1	7059	1879.5049	V	7381	3185.5225	V	7541	1781.5171	V	8077	7	V	8292	1801.3709	V
6766	1459.2979	V	6926	1	7060	1879.5049	V	7382	3185.5225	V	7542	1781.5171	V	8078	7	V	8293	2185.6505	V
6767	1459.2979	V	6927	1	7061	1879.5049	V	7383	3185.5225	V	7543	1781.5171	V	8079	7	V	8294	1801.3709	V
6768	1459.2979	V	6928	1	7062	1879.5049	V	7384	3185.5225	V	7544	1781.5171	V	8080	7	V	8295	2185.6505	V
6769	1459.2979	V	6929	1	7063	1879.5049	V	7385	3185.5225	V	7545	1781.5171	V	8081	7	V	8296	1801.3709	V
6770	1459.2979	V	6930	1	7064	1879.5049	V	7386	3185.5225	V	7546	1781.5171	V	8082	7	V	8297	2185.6505	V
6771	1459.2979	V	6931	1	7065	1879.5049	V	7387	3185.5225	V	7547	1781.5171	V	8083	7	V	8298	1801.3709	V
6772	1459.2979	V	6932	1	7066	1879.5049	V	7388	3185.5225	V	7548	1781.5171	V	8084	7	V	8299	2185.6505	V
6773	1459.2979	V	6933	1	7067	1879.5049	V	7389	3185.5225	V	7549	1781.5171	V	8085	7	V	8300	1801.3709	V
6774	1459.2979	V	6934	1	7068	1879.5049	V	7390	3185.5225	V	7550	1781.5171	V	8086	7	V	8301	2185.6505	V
6775	1459.2979	V	6935	1	7069	1879.5049	V	7391	3185.5225	V	7551	1781.5171	V	8087	7	V	8302	1801.3709	V
6776	1459.2979	V	6936	1	7070	1879.5049	V	7392	3185.5225	V	7552	1781.5171	V	8088	7	V	8303	2185.6505	V
6777	1459.2979	V	6937	1	7071	1879.5049	V	7393	3185.5225	V	7553	1781.5171	V	8089	7	V	8304	1801.3709	V
6778	1459.2979	V	6938	1	7072	1879.5049	V	7394	3185.5225	V	7554	1781.5171	V	8090	7	V	8305	2185.6505	V
6779	1459.2979	V	6939	1	7073	1879.5049	V	7395	3185.5225	V	7555	1781.5171	V	8091	7	V	8306	1801.3709	V
6780	1459.2979	V	6940	1	7074	1879.5049	V	7396	3185.5225	V	7556	1781.5171	V	8092	7	V	8307	2185.6505	V
6781	1459.2979	V	6941	1	7075	1879.5049	V	7397	3185.5225	V	7557	1781.5171	V	8093	7	V	8308	1801.3709	V
6782	1459.2979	V	6942	1	7076	1879.5049	V	7398	3185.5225	V	7558	1781.5171	V	8094	7	V	8309	2185.6505	V
6783	1459.2979	V	6943	1	7077	1879.5049	V	7399	3185.5225	V	7559	1781.5171	V	8095	7	V	8310	1801.3709	V
6784	1459.2979	V	6944	1	7078	1879.5049	V	7400	3185.5225	V	7560	1781.5171	V	8096	7	V	8311	2185.6505	V
6785	1459.2979	V	6945	1	7079	1879.5049	V	7401	3185.5225	V	7561	1781.5171	V	8097	7	V	8312	1801.3709	V
6786	1459.2979	V	6946	1	7080	1879.5049	V	7402	3185.5225	V	7562	1781.5171	V	8098	7	V	8313	2185.6505	V
6787	1459.2979	V	6947	1	7081	1879.5049	V	7403	3185.5225	V	7563	1781.5171	V	8099	7	V	8314	1801.3709	V
6788	1459.2979	V	6948	1	7082	1879.5049	V	7404	3185.5225	V	7564	1781.5171	V	8100	7	V	8315	2185.6505	V
6789	1459.2979	V	6949	1	7083	1879.5049	V	7405	3185.5225	V	7565	1781.5171	V	8101	7	V	8316	1801.3709	V
6790	1459.2979	V	6950	1	7084	1879.5049	V	7406	3185.5225	V	7566	1781.5171	V	8102	7	V	8317	2185.6505	V
6791	1459.2979	V	6951	1	7085	1879.5049	V	7407	3185.5225	V	7567	1781.5171	V	8103	7	V	8318	1801.3709	V
6792	1459.2979	V	6952	1	7086	1879.5049	V	7408	3185.5225	V	7568	1781.5171	V	8104	7	V	8319	2185.6505	V
6793	1459.2979	V	6953	1	7087	1879.5049	V	7409	3185.5225	V	7569	1781.5171	V	8105	7	V	8320	1801.3709	V
6794	1459.2979	V	6954	1	7088	1879.5049	V	7410	3185.5225	V	7570	1781.5171	V	8106	7	V	8321	2185.6505	V

Table 1 (continued)

8429	1945	V	9744	F	10005	V	10745	V
8430	1946	V	9745	F	10006	V	10746	V
8431	1947	V	9746	F	10007	V	10747	V
8432	1948	V	9747	F	10008	V	10748	V
8433	1949	V	9748	F	10009	V	10749	V
8434	1950	V	9749	F	10010	V	10750	V
8435	1951	V	9750	F	10011	V	10751	V
8436	1952	V	9751	F	10012	V	10752	V
8437	1953	V	9752	F	10013	V	10753	V
8438	1954	V	9753	F	10014	V	10754	V
8439	1955	V	9754	F	10015	V	10755	V
8440	1956	V	9755	F	10016	V	10756	V
8441	1957	V	9756	F	10017	V	10757	V
8442	1958	V	9757	F	10018	V	10758	V
8443	1959	V	9758	F	10019	V	10759	V
8444	1960	V	9759	F	10020	V	10760	V
8445	1961	V	9760	F	10021	V	10761	V
8446	1962	V	9761	F	10022	V	10762	V
8447	1963	V	9762	F	10023	V	10763	V
8448	1964	V	9763	F	10024	V	10764	V
8449	1965	V	9764	F	10025	V	10765	V
8450	1966	V	9765	F	10026	V	10766	V
8451	1967	V	9766	F	10027	V	10767	V
8452	1968	V	9767	F	10028	V	10768	V
8453	1969	V	9768	F	10029	V	10769	V
8454	1970	V	9769	F	10030	V	10770	V
8455	1971	V	9770	F	10031	V	10771	V
8456	1972	V	9771	F	10032	V	10772	V
8457	1973	V	9772	F	10033	V	10773	V
8458	1974	V	9773	F	10034	V	10774	V
8459	1975	V	9774	F	10035	V	10775	V
8460	1976	V	9775	F	10036	V	10776	V
8461	1977	V	9776	F	10037	V	10777	V
8462	1978	V	9777	F	10038	V	10778	V
8463	1979	V	9778	F	10039	V	10779	V
8464	1980	V	9779	F	10040	V	10780	V
8465	1981	V	9780	F	10041	V	10781	V
8466	1982	V	9781	F	10042	V	10782	V
8467	1983	V	9782	F	10043	V	10783	V
8468	1984	V	9783	F	10044	V	10784	V
8469	1985	V	9784	F	10045	V	10785	V
8470	1986	V	9785	F	10046	V	10786	V
8471	1987	V	9786	F	10047	V	10787	V
8472	1988	V	9787	F	10048	V	10788	V
8473	1989	V	9788	F	10049	V	10789	V
8474	1990	V	9789	F	10050	V	10790	V
8475	1991	V	9790	F	10051	V	10791	V
8476	1992	V	9791	F	10052	V	10792	V
8477	1993	V	9792	F	10053	V	10793	V
8478	1994	V	9793	F	10054	V	10794	V
8479	1995	V	9794	F	10055	V	10795	V
8480	1996	V	9795	F	10056	V	10796	V
8481	1997	V	9796	F	10057	V	10797	V
8482	1998	V	9797	F	10058	V	10798	V
8483	1999	V	9798	F	10059	V	10799	V
8484	2000	V	9799	F	10060	V	10800	V
8485	2001	V	9800	F	10061	V	10801	V
8486	2002	V	9801	F	10062	V	10802	V
8487	2003	V	9802	F	10063	V	10803	V
8488	2004	V	9803	F	10064	V	10804	V
8489	2005	V	9804	F	10065	V	10805	V
8490	2006	V	9805	F	10066	V	10806	V
8491	2007	V	9806	F	10067	V	10807	V
8492	2008	V	9807	F	10068	V	10808	V
8493	2009	V	9808	F	10069	V	10809	V
8494	2010	V	9809	F	10070	V	10810	V
8495	2011	V	9810	F	10071	V	10811	V
8496	2012	V	9811	F	10072	V	10812	V
8497	2013	V	9812	F	10073	V	10813	V
8498	2014	V	9813	F	10074	V	10814	V
8499	2015	V	9814	F	10075	V	10815	V
8500	2016	V	9815	F	10076	V	10816	V
8501	2017	V	9816	F	10077	V	10817	V
8502	2018	V	9817	F	10078	V	10818	V
8503	2019	V	9818	F	10079	V	10819	V
8504	2020	V	9819	F	10080	V	10820	V
8505	2021	V	9820	F	10081	V	10821	V
8506	2022	V	9821	F	10082	V	10822	V
8507	2023	V	9822	F	10083	V	10823	V
8508	2024	V	9823	F	10084	V	10824	V
8509	2025	V	9824	F	10085	V	10825	V
8510	2026	V	9825	F	10086	V	10826	V
8511	2027	V	9826	F	10087	V	10827	V
8512	2028	V	9827	F	10088	V	10828	V
8513	2029	V	9828	F	10089	V	10829	V
8514	2030	V	9829	F	10090	V	10830	V
8515	2031	V	9830	F	10091	V	10831	V
8516	2032	V	9831	F	10092	V	10832	V
8517	2033	V	9832	F	10093	V	10833	V
8518	2034	V	9833	F	10094	V	10834	V
8519	2035	V	9834	F	10095	V	10835	V
8520	2036	V	9835	F	10096	V	10836	V
8521	2037	V	9836	F	10097	V	10837	V
8522	2038	V	9837	F	10098	V	10838	V
8523	2039	V	9838	F	10099	V	10839	V
8524	2040	V	9839	F	10100	V	10840	V
8525	2041	V	9840	F	10101	V	10841	V
8526	2042	V	9841	F	10102	V	10842	V
8527	2043	V	9842	F	10103	V	10843	V
8528	2044	V	9843	F	10104	V	10844	V
8529	2045	V	9844	F	10105	V	10845	V
8530	2046	V	9845	F	10106	V	10846	V
8531	2047	V	9846	F	10107	V	10847	V
8532	2048	V	9847	F	10108	V	10848	V
8533	2049	V	9848	F	10109	V	10849	V
8534	2050	V	9849	F	10110	V	10850	V
8535	2051	V	9850	F	10111	V	10851	V
8536	2052	V	9851	F	10112	V	10852	V
8537	2053	V	9852	F	10113	V	10853	V
8538	2054	V	9853	F	10114	V	10854	V
8539	2055	V	9854	F	10115	V	10855	V
8540	2056	V	9855	F	10116	V	10856	V
8541	2057	V	9856	F	10117	V	10857	V
8542	2058	V	9857	F	10118	V	10858	V
8543	2059	V	9858	F	10119	V	10859	V
8544	2060	V	9859	F	10120	V	10860	V
8545	2061	V	9860	F	10121	V	10861	V
8546	2062	V	9861	F	10122	V	10862	V
8547	2063	V	9862	F	10123	V	10863	V
8548	2064	V	9863	F	10124	V	10864	V
8549	2065	V	9864	F	10125	V	10865	V
8550	2066	V	9865	F	10126	V	10866	V
8551	2067	V	9866	F	10127	V	10867	V
8552	2068	V	9867	F	10128	V	10868	V
8553	2069	V	9868	F	10129	V	10869	V
8554	2070	V	9869	F	10130	V	10870	V
8555	2071	V	9870	F	10131	V	10871	V
8556	2072	V	9871	F	10132	V	10872	V
8557	2073	V	9872	F	10133	V	10873	V
8558	2074	V	9873	F	10134	V	10874	V
8559	2075	V	9874	F	10135	V	10875	V
8560	2076	V	9875	F	10136	V	10876	V
8561	2077	V	9876	F	10137	V	10877	V
8562	2078	V	9877	F	10138	V	10878	V
8563	2079	V	9878	F	10139	V	10879	V
8564	2080	V	9879	F	10140	V	10880	V
8565	2081	V	9880	F	10141	V	10881	V
8566	2082	V	9881	F	10142	V	10882	V
8567	2083	V	9882	F	10143	V	10883	V
8568	2084	V	9883	F	10144	V	10884	V
8569	2085	V	9884	F	10145	V	10885	V
8570	2086	V	9885	F	10146	V	10886	V
8571	2087	V	9886	F	10147	V	10887	V
8572	2088	V	9887	F	10148	V	10888	V
8573	2089	V	9888	F	10149	V	10889	V
8574	2090	V	9889	F	10150	V	10890	V
8575	2091	V	9890	F	10151	V	10891	V
8576	2092							

Table 1 (continued)

11331	-6353,8731	P	11755	6573,6813	F	11261	3751,8843	F	12951	7895,9335	F	14421	-5351,8329	P
11332	8201,8885	P	11767	-3475,6843	F	12261	-6857,9613	V	12957	3833,9109	V	14443	-5341,10415	P
11333	-2567,8170	V	11768	3487,8257	V	12267	2639,6889	V	12963	3835,9131	V	14455	5363,8409	P
11349	8170,8899	P	11809	3583,6957	V	12293	3195,7745	V	12977	2801,9493	P	14609	4309,8907	P
11363	2571,8703	P	11823	-3617,4265	F	12313	3321,3643	V	12985	3513,3397	F	14531	-4315,8913	P
11377	-6561,6609	V	11823	-4607,4945	F	12315	3439,8549	V	12985	5433,5463	F	14569	-4307,10248	V
11381	-2419,8363	V	11823	4985,8257	V	12321	7549,8889	V	13043	5394,9437	P	14575	5021,8487	P
11381	3055,8925	V	11829	-5619,4267	F	12325	5029,5179	PF	13095	4841,9269	V	14641	5413,10319	V
11391	3383,7915	V	11847	8543,8675	V	12331	7813,9001	V	13139	3637,10139	V	14663	-6433,8509	V
11391	3485,8239	V	11877	-3527,4391	F	12331	4913,9661	V	13149	4879,9307	V	14663	6433,8509	V
11397	3137,8243	V	11881	-5015,9375	F	12335	-2675,9073	V	13225	3909,5059	V	14825	6073,8509	PF
11397	3373,8249	V	11883	-3529,4393	F	12367	3325,8959	V	13237	3021,9537	V	14839	6271,8625	V
11403	-3271,6403	V	11883	-7595,8249	F	12369	3673,8585	V	13255	-7433,8473	F	14847	-4393,10757	V
11417	2603,3163	V	11883	-3271,6311	F	12383	3343,8665	V	13265	9557,9663	F	14875	6149,9249	PF
11445	3383,8237	V	11907	-4913,8695	F	12403	4475,7615	V	13287	-3945,9151	F	14975	5271,6583	C
11449	6421,7063	P	11913	8711,9217	V	12419	4413,8747	V	13329	9607,10291	V	14975	-5641,6159	PF
11451	3087,3163	P	11921	3215,3299	V	12425	-4871,5069	PF	13357	-5663,7751	V	14975	-5791,6189	PF
11451	3087,7985	V	11931	-3641,4313	F	12439	-3673,8661	V	13387	3977,8675	V	15025	-5859,6111	PF
11451	3385,8279	V	11935	-11,5251	C	12461	3309,7369	V	13443	4985,9451	V	15043	6391,8711	PF
11473	2599,8265	V	11937	-11,4417	C	12483	3353,9787	V	13467	3619,5227	V	15123	5339,6391	V
11473	3105,8375	V	11937	-11,4633	C	12489	3367,9665	V	13475	-5913,7837	V	15123	9371,10649	V
11489	3563,9067	V	11943	-11,9221	C	12495	2827,3373	F	13505	5137,5067	PF	15125	6251,6351	PF
11489	3203,8317	V	11943	6877,8257	V	12507	4651,8609	V	13689	7857,8659	V	15143	5337,8609	V
11501	4265,6491	C	11957	-11,3295	C	12509	3377,9447	V	13699	-5749,5787	V	15175	6221,6271	PF
11501	-4885,6987	P	11961	-11,9379	P	12513	-3497,9661	V	13699	-5787,7893	V	15181	5633,8747	V
11501	-6455,8371	V	11961	-11,9245	F	12561	4453,7653	V	13699	5749,7893	V	15221	5958,8531	C
11505	3511,8321	V	11995	-11,5043	F	12573	2723,7295	V	13699	-5749,7869	V	15341	4539,8829	V
11553	-6449,7079	V	11997	-11,9259	P	12573	-3403,8027	P	13699	5787,7669	V	15341	5699,8705	C
11553	3431,8353	V	12005	-11,7349	V	12575	-4929,5131	PF	13717	3767,3789	P	15379	-6625,6935	C
11557	-3415,6485	V	12011	-11,6959	V	12581	3183,7915	V	13717	4073,9673	P	15827	6329,10121	V
11563	4291,6529	C	12019	-11,4463	C	12617	5297,5359	P	13737	-5765,7915	V	16017	-5841,7039	V
11563	-4911,7028	P	12039	-11,8365	F	12627	-7087,9749	P	13737	5803,7915	V	16023	-4741,11609	V
11571	-6715,8623	V	12065	-11,5299	F	12635	5357,7297	V	13737	-7815,7991	V	16303	4401,4513	V
11571	6715,8623	V	12065	-11,8727	F	12635	-5357,7297	V	13737	7815,7991	V	16387	6073,9641	V
11605	-3117,8437	V	12068	-11,8717	F	12665	-7097,9753	P	13737	5803,7915	V	16641	-6451,10319	V
11605	-7417,8437	V	12068	-11,8717	F	12665	-7097,9753	P	13737	5803,7915	V	16641	-6451,10319	V
11607	-3443,4295	V	12103	-11,7015	F	12675	3171,5321	PF	13773	4087,9683	V	16709	12049,12093	V
11607	3215,8371	V	12103	-11,8727	F	12675	-4679,8971	V	13949	-11,10111P	V	16709	12049,12093	V
11609	2623,8373	V	12117	-11,3807	V	12709	3857,7003	V	14063	-11,8731	V	16709	12049,12093	V
11613	3433,8069	V	12117	-11,8573	F	12711	3545,9835	V	14113	-11,10323	V	16709	12049,12093	V
11619	8375,8411	P	12141	-11,9521	F	12719	-4667,8131	V	14113	-11,8307	V	16709	12049,12093	V
11625	3199,8551	V	12153	-11,8765	V	12731	3763,8153	V	14161	-11,5473	V	16709	12049,12093	V
11627	-3199,8551	V	12153	-11,8765	V	12731	3763,8153	V	14161	-11,5473	V	16709	12049,12093	V
11627	3199,8551	V	12153	-11,8765	V	12731	3763,8153	V	14161	-11,5473	V	16709	12049,12093	V
11645	3389,8239	V	12187	-11,3357	V	12745	7147,7387	V	14167	-11,8331	V	16709	12049,12093	V
11661	-7453,8095	V	12207	-11,8807	F	12745	7147,7387	V	14167	-11,8331	V	16709	12049,12093	V
11661	3257,8101	V	12221	-11,3629	P	12749	-4739,9169	V	14273	-11,8011	V	16709	12049,12093	V
11661	3257,8101	V	12221	-11,3629	P	12749	-4739,9169	V	14273	-11,8011	V	16709	12049,12093	V
11691	8423,8461	V	12245	-11,7827	F	12789	3785,9265	V	14289	-11,71193	V	16709	12049,12093	V
11715	3263,7147	V	12245	-11,7827	F	12789	3785,9265	V	14289	-11,71193	V	16709	12049,12093	V
11715	3467,8443	V	12255	-11,7061	F	12833	-5385,7243	V	14307	-11,8263	V	16709	12049,12093	V
11737	-3233,9198	V	12261	-11,8337	F	12839	-3557,10059	V	14383	-11,8947	V	16709	12049,12093	V
11737	-3233,9198	V	12261	-11,8337	F	12894	-3497,10143	V	14421	-11,8087	V	16709	12049,12093	V