The Boston house-price data of Harrison, D. and Rubinfeld, D.L. 'Hedonic prices and the demand for clean air', J. Environ. Economics & Management, vol.5, 81-102, 1978. Used in Belsley, Kuh & Welsch, 'Regression diagnostics ...', Wiley, 1980. N.B. Various transformations are used in the table on pages 244-261 of the latter. Variables in order: CRIM per capita crime rate by town ZNproportion of residential land zoned for lots over 25,000 sq.ft. INDUS proportion of non-retail business acres per town Charles River dummy variable (= 1 if tract bounds river; 0 CHAS otherwise) NOX nitric oxides concentration (parts per 10 million) average number of rooms per dwelling RMAGE proportion of owner-occupied units built prior to 1940 DIS weighted distances to five Boston employment centres index of accessibility to radial highways RAD TAX full-value property-tax rate per \$10,000 PTRATIO pupil-teacher ratio by town 1000(Bk - 0.63)^2 where Bk is the proportion of blacks by town % lower status of the population LSTAT Median value of owner-occupied homes in \$1000's MEDV 0.00632 18.00 2.310 0 0.5380 6.5750 65.20 4.0900 296.0 15.30 396.90 4.98 24.00 7.070 78.90 0.02731 0.00 0.4690 6.4210 4.9671 242.0 17.80 396.90 9.14 21.60 7.070 0 0.4690 0.02729 0.00 7.1850 242.0 61.10 4.9671 17.80 4.03 34.70 392.83 0.03237 0.00 2.180 0 0.4580 6.9980 45.80 6.0622 222.0 18.70 394.63 2.94 33.40 0.00 2.180 0.06905 0.4580 7.1470 54.20 6.0622 222.0 18.70 396.90 5.33 36.20 0.02985 0.00 2.180 0 0.4580 6.4300 58.70 6.0622 222.0 18.70 5.21 28.70 394.12 0.08829 12.50 7.870 0 0.5240 6.0120 66.60 5.5605 311.0 15.20 395.60 12.43 22.90

7.870 0 0.5240 6.1720 96.10 5.9505

311.0

0.14455

12.50

15.20									
396.90	19.15								
0.21124	12.50	7.870	0	0.5240	5.6310	100.00	6.0821	5	311.0
15.20									
386.63	29.93	16.50							
0.17004	12.50	7.870	0	0.5240	6.0040	85.90	6.5921	5	311.0
15.20									
386.71	17.10	18.90							
0.22489	12.50	7.870	0	0.5240	6.3770	94.30	6.3467	5	311.0
15.20									
392.52	20.45	15.00							
0.11747	12.50	7.870	0	0.5240	6.0090	82.90	6.2267	5	311.0
15.20									
396.90	13.27	18.90							
0.09378	12.50	7.870	0	0.5240	5.8890	39.00	5.4509	5	311.0
15.20									
390.50	15.71	21.70							
0.62976	0.00	8.140	0	0.5380	5.9490	61.80	4.7075	4	307.0
21.00									
396.90	8.26	20.40							
0.63796	0.00	8.140	0	0.5380	6.0960	84.50	4.4619	4	307.0
21.00									
380.02	10.26	18.20							
0.62739	0.00	8.140	0	0.5380	5.8340	56.50	4.4986	4	307.0
21.00									
395.62	8.47	19.90							
1.05393	0.00	8.140	0	0.5380	5.9350	29.30	4.4986	4	307.0
21.00									
386.85	6.58	23.10							
0.78420	0.00	8.140	0	0.5380	5.9900	81.70	4.2579	4	307.0
21.00									
386.75	14.67	17.50							
0.80271	0.00	8.140	0	0.5380	5.4560	36.60	3.7965	4	307.0
21.00									
288.99	11.69	20.20							
0.72580	0.00	8.140	0	0.5380	5.7270	69.50	3.7965	4	307.0
21.00									
390.95	11.28	18.20							
		8.140	0	0.5380	5.5700	98.10	3.7979	4	307.0
21.00									
376.57	21.02	13.60							
0.85204		8.140	0	0.5380	5.9650	89.20	4.0123	4	307.0
21.00									
392.53	13.83	19.60							
1.23247		8.140	0	0.5380	6.1420	91.70	3.9769	4	307.0
21.00									
396.90	18.72	15.20							
0.98843		8.140	0	0.5380	5.8130	100.00	4.0952	4	307.0
21.00			-		. = - •			=	
394.54	19.88	14.50							
		8.140	0	0.5380	5.9240	94.10	4.3996	4	307.0
			-					-	

21.00									
394.33	16.30	15.60							
0.84054	0.00	8.140	0	0.5380	5.5990	85.70	4.4546	4	307.0
21.00									
303.42	16.51	13.90							
0.67191	0.00	8.140	0	0.5380	5.8130	90.30	4.6820	4	307.0
21.00									
376.88	14.81	16.60							
0.95577	0.00	8.140	0	0.5380	6.0470	88.80	4.4534	4	307.0
21.00									
306.38	17.28	14.80							
0.77299	0.00	8.140	0	0.5380	6.4950	94.40	4.4547	4	307.0
21.00									
387.94	12.80	18.40							
1.00245	0.00	8.140	0	0.5380	6.6740	87.30	4.2390	4	307.0
21.00									
380.23	11.98	21.00							
1.13081		8.140	0	0.5380	5.7130	94.10	4.2330	4	307.0
21.00			_					_	
360.17	22.60	12.70							
1.35472		8.140	0	0.5380	6.0720	100.00	4.1750	4	307.0
21.00		01210	•				101.00	-	
376.73	13.04	14.50							
1.38799	0.00	8.140	0	0.5380	5.9500	82.00	3.9900	4	307.0
21.00	0.00	0.110	Ū	0.0000	0.,000	02.00		-	00,10
232.60	27.71	13.20							
1.15172	0.00	8.140	0	0.5380	5.7010	95.00	3.7872	4	307.0
21.00	0.00	0.110	Ŭ	0.5500	3.7010	33.00	3.7072	•	307.0
358.77	18.35	13.10							
1.61282	0.00	8.140	0	0.5380	6.0960	96.90	3.7598	4	307.0
21.00	0.00	0.110	Ŭ	0.5500	0.0300	30.30	3.7330	•	307.0
248.31	20.34	13.50							
0.06417	0.00	5.960	0	0.4990	5.9330	68.20	3.3603	5	279.0
19.20	0.00	3.300	Ŭ	0.1330	3.7550	00.20	3.3003	J	273.0
396.90	9.68	18.90							
0.09744	0.00	5.960	0	0.4990	5.8410	61.40	3.3779	5	279.0
19.20	0.00	3.300	Ū	0.4330	3.0410	01.40	3.3113	3	273.0
	11.41	20 00							
0.08014			0	0 4990	5 8500	41 50	3 9342	5	279 N
19.20	0.00	3.300	Ŭ	0.1330	3.0300	11.50	3.3312	J	273.0
	8.77	21 00							
		5.960	0	0 4990	5 9660	30 20	3 8473	5	279 N
19.20	0.00	3.300	Ū	0.4330	3.7000	30.20	3.0473	3	273.0
393.43	10.13	24 70							
			0	0 4280	6 5950	21 80	5.4011	3	252.0
18.30	73.00	2.550	Ū	0.4200	0.3330	21.00	3.4011	3	232.0
	4.32	30 80							
0.03359		2.950	0	0 4280	7 0240	15 80	5 4011	2	252.0
18.30	, 5 . 00	2.750	5	0.4200	7.0240	13.00	2.4011	3	232.0
395.62	1.98	34.90							
		6.910	Ω	0 4480	6 7700	2 00	5.7209	2	233.0
0.12/44	0.00	0.910	J	0.4400	0.7700	2.90	3.1203	J	233.0

17.90									
385.41	4.84	26.60							
0.14150		6.910	0	0.4480	6.1690	6.60	5.7209	3	233.0
17.90									
383.37	5.81	25.30							
0.15936	0.00	6.910	0	0.4480	6.2110	6.50	5.7209	3	233.0
17.90									
394.46	7.44	24.70							
0.12269		6.910	0	0.4480	6.0690	40.00	5.7209	3	233.0
17.90		00220	•				00,200	_	
389.39	9.55	21.20							
0.17142	0.00	6.910	0	0.4480	5.6820	33.80	5.1004	3	233.0
17.90	0.00	0.510	ŭ	0.1100	3.0020	00.00	3.1331	Ū	200.0
396.90	10.21	19.30							
0.18836	0.00	6.910	0	0.4480	5.7860	33.30	5.1004	3	233.0
17.90	0.00	0.510	Ü	0.1100	3.7000	33.30	3.1004	3	233.0
396.90	14.15	20.00							
0.22927	0.00	6.910	0	0.4480	6.0300	85.50	5.6894	3	233.0
17.90	0.00	0.510	U	0.4400	0.0300	03.30	3.0074	3	233.0
392.74	18.80	16.60							
0.25387	0.00	6.910	0	0.4480	5.3990	95.30	5.8700	3	233.0
17.90	0.00	0.910	U	0.4400	3.3990	93.30	3.8700	3	233.0
396.90	30.81	14.40							
0.21977	0.00	6.910	0	0.4480	5.6020	62.00	6.0877	3	233.0
17.90	0.00	0.910	U	0.4400	3.0020	02.00	0.0077	3	233.0
396.90	16.20	19.40							
0.08873		5.640	0	0.4390	5.9630	45.70	6.8147	4	243.0
16.80	21.00	3.040	U	0.4390	3.9030	45.70	0.0147	4	243.0
395.56	13.45	19.70							
0.04337	21.00	5.640	0	0.4390	6.1150	63.00	6.8147	4	243.0
16.80	21.00	5.040	U	0.4390	0.1130	03.00	0.0147	4	243.0
393.97	9.43	20.50							
0.05360	21.00	5.640	0	0.4390	6.5110	21.10	6.8147	4	243.0
16.80	21.00	3.040	U	0.4390	0.5110	21.10	0.0147	4	243.0
396.90	5.28	25.00							
0.04981	21.00	5.640	0	0.4390	5.9980	21.40	6.8147	4	243.0
16.80	21.00	3.040	U	0.4390	3.9960	21.40	0.0147	4	243.0
396.90	0 12	22 40							
0.01360			Λ	0 4100	5 0000	17 60	7 2107	2	460 O
21.10	73.00	4.000	U	0.4100	3.0000	47.00	7.3197	3	409.0
396.90	14.80	10 00							
0.01311			Λ	0 4030	7 2400	21 00	9 6066	5	226 0
17.90	90.00	1.220	U	0.4030	7.2490	21.90	0.0900	5	220.0
395.93	4 01	25 40							
0.02055			0	0 4100	6 2020	25 70	0 1076	2	212 0
17.30	83.00	0.740	U	0.4100	0.3030	33.70	9.1070	2	313.0
	5 7 <i>7</i>	24 70							
0.01432			0	0 4110	6 9160	40 E0	0 2240	E	256 0
15.10	100.00	1.320	U	0.4110	0.0100	40.30	0.3240	J	230.0
392.90	3 UE	21 60							
0.15445		5.130	0	0 4520	6.1450	20 20	7 01/0	O	201 0
0.13445	25.00	5.130	U	0.4530	0.1450	29.20	7.0148	Ø	284.0

19.70									
390.68	6.86	23.30							
0.10328	25.00	5.130	0	0.4530	5.9270	47.20	6.9320	8	284.0
19.70									
396.90	9.22	19.60							
0.14932	25.00	5.130	0	0.4530	5.7410	66.20	7.2254	8	284.0
19.70									
395.11	13.15	18.70							
0.17171	25.00	5.130	0	0.4530	5.9660	93.40	6.8185	8	284.0
19.70									
378.08	14.44	16.00							
0.11027	25.00	5.130	0	0.4530	6.4560	67.80	7.2255	8	284.0
19.70									
396.90	6.73	22.20							
0.12650	25.00	5.130	0	0.4530	6.7620	43.40	7.9809	8	284.0
19.70		01200	•		00,020			_	
	9.50	25.00							
0.01951		1.380	0	0.4161	7.1040	59.50	9.2229	3	216.0
18.60	17.50	1.500	Ŭ	0.1101	, • 1010	33.30	J•2225	3	210.0
393.24	8.05	33.00							
0.03584		3.370	0	0.3980	6.2900	17.80	6.6115	4	337.0
16.10	00.00	3.370	U	0.3300	0.2300	17.00	0.0115	-	337.0
396.90	4.67	23.50							
0.04379		3.370	0	0.3980	5.7870	31.10	6.6115	4	337.0
16.10	80.00	3.370	U	0.3900	3.7070	31.10	0.0113	4	337.0
396.90	10.24	19.40							
0.05789		6.070	0	0.4090	5.8780	21.40	6.4980	4	345.0
18.90	12.50	0.070	U	0.4090	3.0700	21.40	0.4960	4	345.0
396.21	8.10	22.00							
0.13554		6.070	0	0.4090	5.5940	36.80	6.4980	4	345.0
18.90	12.50	0.070	U	0.4090	3.3940	30.00	0.4960	4	345.0
396.90	12 00	17.40							
0.12816	13.09 12.50	6.070	0	0.4090	5.8850	33.00	6.4980	4	345.0
18.90	12.50	6.070	0	0.4090	3.0030	33.00	0.4960	4	345.0
	0 70	20.00							
396.90 0.08826	8.79	20.90	^	0 4120	6 4170	<i>c c</i> 0	5.2873	4	205 0
	0.00	10.810	0	0.4130	6.4170	0.00	5.28/3	4	305.0
19.20	6 70	24 20							
383.73	6.72	24.20	^	0 4120	F 0610	17 50	F 2072	4	205 0
0.15876	0.00	10.810	U	0.4130	5.9610	17.50	5.2873	4	305.0
19.20	0 00	01 70							
376.94	9.88	21.70	^	0 4120	6 0650	7 00	F 0070	4	205 0
0.09164	0.00	10.810	0	0.4130	6.0650	7.80	5.2873	4	305.0
19.20									
390.91	5.52	22.80	^	0 4120	6 0450	6 00	F 0070		205 0
0.19539	0.00	10.810	0	0.4130	6.2450	6.20	5.2873	4	305.0
19.20									
377.17	7.54	23.40	_	0 40=6			4 0545	_	206 6
0.07896	0.00	12.830	0	0.4370	6.2730	6.00	4.2515	5	398.0
18.70		0.4. 1.0							
394.92	6.78	24.10	_					_	
0.09512	0.00	12.830	0	0.4370	6.2860	45.00	4.5026	5	398.0

18.70									
383.23	8.94	21.40							
0.10153	0.00	12.830	0	0.4370	6.2790	74.50	4.0522	5	398.0
18.70									
373.66	11.97	20.00							
0.08707	0.00	12.830	0	0.4370	6.1400	45.80	4.0905	5	398.0
18.70									
386.96	10.27	20.80							
0.05646	0.00	12.830	0	0.4370	6.2320	53.70	5.0141	5	398.0
18.70					002020		000212	_	
386.40	12.34	21.20							
0.08387	0.00	12.830	0	0.4370	5.8740	36.60	4.5026	5	398.0
18.70	0.00	12.000	Ü	0.1370	3.0710	30.00	1.3020	3	330.0
396.06	9.10	20.30							
0.04113		4.860	0	0.4260	6.7270	33.50	5.4007	4	281.0
19.00	23.00	4.000	Ü	0.4200	0.7270	33.30	3.4007		201.0
396.90	5.29	28.00							
0.04462		4.860	0	0.4260	6.6190	70.40	5.4007	4	281.0
19.00	23.00	4.000	U	0.4200	0.0190	70.40	3.4007	4	201.0
395.63	7.22	23.90							
0.03659	25.00	4.860	0	0.4260	6.3020	32.20	5.4007	4	281.0
19.00	23.00	4.000	U	0.4200	0.3020	32.20	3.4007	4	201.0
396.90	6.72	24.80							
0.03551		4.860	0	0.4260	6.1670	46.70	5.4007	4	281.0
19.00	23.00	4.000	U	0.4200	0.1070	40.70	3.4007	4	201.0
390.64	7.51	22.90							
0.05059	0.00	4.490	0	0.4490	6.3890	48.00	4.7794	3	247.0
18.50	0.00	4.490	U	0.4490	0.3690	40.00	4.7794	3	247.0
396.90	9.62	23.90							
0.05735	0.00	4.490	0	0.4490	6.6300	56.10	4.4377	3	247.0
18.50	0.00	4.490	U	0.4490	0.0300	30.10	4.43//	3	247.0
392.30	6.53	26.60							
0.05188	0.00	4.490	0	0.4490	6.0150	45.10	4.4272	3	247.0
18.50	0.00	4.490	U	0.4490	0.0130	43.10	4.42/2	3	247.0
395.99	12.86	22.50							
0.07151	0.00	4.490	0	0.4490	6.1210	56.80	3.7476	3	247.0
18.50	0.00	4.490	U	0.4490	0.1210	30.00	3.7470	3	247.0
	8.44	22.20							
		3.410	٥	0 4800	7 0070	96 30	2 /217	2	270 0
17.80	0.00	3.410	U	0.4090	7.0070	80.30	3.4217	2	270.0
	5.50	22 60							
0.05302		3.410	٥	0 4900	7 0700	62 10	2 /1/5	2	270 0
17.80	0.00	3.410	U	0.4690	7.0790	03.10	3.4145	2	270.0
396.06	5.70	20 70							
			0	0 4900	6.4170	66 10	2 0022	2	270 0
17.80	0.00	3.410	U	0.4090	0.4170	00.10	3.0923	2	270.0
	8.81	22 60							
		3.410	0	0 4000	6.4050	72 00	2 0021	2	270 0
17.80	0.00	3.410	U	0.4090	0.4030	13.90	3.0921	Z	210.0
	0 20	22 00							
0.04203		22.00 15.040	0	0 4640	6.4420	E2 60	2 6650	1	270 0
0.04203	20.00	15.040	U	0.4040	0.4420	55.00	3.0039	4	2/0.0

18.20									
395.01	8.16	22.90							
0.02875	28.00	15.040	0	0.4640	6.2110	28.90	3.6659	4	270.0
18.20									
396.33	6.21	25.00							
0.04294	28.00	15.040	0	0.4640	6.2490	77.30	3.6150	4	270.0
18.20									
396.90	10.59	20.60							
0.12204	0.00	2.890	0	0.4450	6.6250	57.80	3.4952	2	276.0
18.00									
357.98	6.65	28.40							
0.11504	0.00	2.890	0	0.4450	6.1630	69.60	3.4952	2	276.0
18.00									
391.83	11.34	21.40							
0.12083	0.00	2.890	0	0.4450	8.0690	76.00	3.4952	2	276.0
18.00									
396.90	4.21	38.70							
0.08187	0.00	2.890	0	0.4450	7.8200	36.90	3.4952	2	276.0
18.00									
393.53	3.57	43.80							
0.06860		2.890	0	0.4450	7.4160	62.50	3.4952	2	276.0
18.00			_					_	
396.90	6.19	33.20							
0.14866		8.560	0	0.5200	6.7270	79.90	2.7778	5	384.0
20.90			•					_	
394.76	9.42	27.50							
0.11432		8.560	0	0.5200	6.7810	71.30	2.8561	5	384.0
20.90	0.00	0.500	ŭ	0.0200	00,010	, 1,00	2.0001	J	001.0
395.58	7.67	26.50							
0.22876		8.560	0	0.5200	6.4050	85.40	2.7147	5	384.0
20.90	0.00	0.300	Ü	0.3200	0.1030	03.10	2.7117	3	301.0
70.80	10.63	18.60							
0.21161		8.560	0	0.5200	6.1370	87.40	2.7147	5	384.0
20.90	0.00	0.500	ŭ	0.0200	0.10,0	0,110	20,11,	J	001.0
394.47	13.44	19.30							
0.13960		8.560	0	0.5200	6.1670	90.00	2.4210	5	384.0
20.90	0.00	0.500	ŭ	0.0200	3.1373	30.00	201210	J	001.0
392.69	12.33	20.10							
0.13262		8.560	0	0.5200	5.8510	96.70	2.1069	5	384.0
20.90	0.00	0.300	Ü	0.3200	3.0310	30.70	2.1003	3	301.0
394.05	16.47	19.50							
0.17120		8.560	٥	0 5200	5.8360	91 90	2.2110	5	384.0
20.90	0.00	0.300	Ü	0.3200	3.0300	J1.J0	2.2110	3	301.0
395.67	18.66	19.50							
0.13117		8.560	0	0 5200	6.1270	85 20	2.1224	5	384.0
20.90	0.00	0.300	Ü	0.3200	0.1270	03.20	2.1221	3	301.0
387.69	14.09	20.40							
0.12802		8.560	0	0.5200	6.4740	97 10	2.4329	5	384.0
20.90	3.00	3.300	J	0.5200	0.1/10	> 1 • ± 0	2.4327	5	224.0
395.24	12.27	19.80							
		8.560	0	0 5200	6.2290	91 20	2.5451	5	384.0
0.20303	0.00	0.500	U	0.5200	0.2230	J 1 • Z U	2.3431	5	304.0

00.00									
20.90	15 55	10 40							
391.23		19.40	^	0 5000	C 1050	F 4 4 0	0 7770	_	204.0
0.10793	0.00	8.560	0	0.5200	6.1950	54.40	2.7778	5	384.0
20.90	10 00	01 50							
393.49	13.00	21.70	_					_	
0.10084	0.00	10.010	0	0.5470	6.7150	81.60	2.6775	6	432.0
17.80									
395.59	10.16	22.80							
0.12329	0.00	10.010	0	0.5470	5.9130	92.90	2.3534	6	432.0
17.80									
394.95	16.21	18.80							
0.22212	0.00	10.010	0	0.5470	6.0920	95.40	2.5480	6	432.0
17.80									
396.90	17.09	18.70							
0.14231	0.00	10.010	0	0.5470	6.2540	84.20	2.2565	6	432.0
17.80									
388.74	10.45	18.50							
0.17134	0.00	10.010	0	0.5470	5.9280	88.20	2.4631	6	432.0
17.80									
344.91	15.76	18.30							
0.13158	0.00	10.010	0	0.5470	6.1760	72.50	2.7301	6	432.0
17.80									
393.30	12.04	21.20							
0.15098	0.00	10.010	0	0.5470	6.0210	82.60	2.7474	6	432.0
17.80									
394.51	10.30	19.20							
0.13058	0.00	10.010	0	0.5470	5.8720	73.10	2.4775	6	432.0
17.80									
338.63	15.37	20.40							
0.14476	0.00	10.010	0	0.5470	5.7310	65.20	2.7592	6	432.0
17.80									
391.50	13.61	19.30							
0.06899	0.00	25.650	0	0.5810	5.8700	69.70	2.2577	2	188.0
19.10									
389.15	14.37	22.00							
0.07165	0.00	25.650	0	0.5810	6.0040	84.10	2.1974	2	188.0
19.10									
377.67	14.27	20.30							
0.09299	0.00	25.650	0	0.5810	5.9610	92.90	2.0869	2	188.0
19.10									
378.09	17.93	20.50							
0.15038	0.00	25.650	0	0.5810	5.8560	97.00	1.9444	2	188.0
19.10									
370.31	25.41	17.30							
0.09849	0.00	25.650	0	0.5810	5.8790	95.80	2.0063	2	188.0
19.10									
379.38	17.58	18.80							
0.16902	0.00	25.650	0	0.5810	5.9860	88.40	1.9929	2	188.0
19.10									
385.02	14.81	21.40							
0.38735	0.00	25.650	0	0.5810	5.6130	95.60	1.7572	2	188.0

19.10									
359.29	27.26								
0.25915	0.00	21.890	0	0.6240	5.6930	96.00	1.7883	4	437.0
21.20									
392.11	17.19	16.20							
0.32543	0.00	21.890	0	0.6240	6.4310	98.80	1.8125	4	437.0
21.20									
396.90	15.39	18.00							
0.88125	0.00	21.890	0	0.6240	5.6370	94.70	1.9799	4	437.0
21.20									
396.90	18.34	14.30							
0.34006	0.00	21.890	0	0.6240	6.4580	98.90	2.1185	4	437.0
21.20									
395.04	12.60	19.20							
1.19294	0.00	21.890	0	0.6240	6.3260	97.70	2.2710	4	437.0
21.20									
396.90	12.26	19.60							
0.59005	0.00	21.890	0	0.6240	6.3720	97.90	2.3274	4	437.0
21.20									
385.76	11.12	23.00							
0.32982	0.00	21.890	0	0.6240	5.8220	95.40	2.4699	4	437.0
21.20									
388.69	15.03	18.40							
0.97617	0.00	21.890	0	0.6240	5.7570	98.40	2.3460	4	437.0
21.20									
262.76	17.31	15.60							
0.55778	0.00	21.890	0	0.6240	6.3350	98.20	2.1107	4	437.0
21.20									
394.67	16.96	18.10							
0.32264	0.00	21.890	0	0.6240	5.9420	93.50	1.9669	4	437.0
21.20									
378.25	16.90	17.40							
0.35233	0.00	21.890	0	0.6240	6.4540	98.40	1.8498	4	437.0
21.20									
394.08	14.59	17.10							
0.24980	0.00	21.890	0	0.6240	5.8570	98.20	1.6686	4	437.0
21.20									
392.04	21.32	13.30							
0.54452	0.00	21.890	0	0.6240	6.1510	97.90	1.6687	4	437.0
21.20									
396.90	18.46	17.80							
0.29090	0.00	21.890	0	0.6240	6.1740	93.60	1.6119	4	437.0
21.20									
388.08	24.16	14.00							
1.62864	0.00	21.890	0	0.6240	5.0190	100.00	1.4394	4	437.0
21.20									
396.90	34.41	14.40							
3.32105	0.00	19.580	1	0.8710	5.4030	100.00	1.3216	5	403.0
14.70									
396.90	26.82	13.40							
4.09740	0.00	19.580	0	0.8710	5.4680	100.00	1.4118	5	403.0

14.70									
396.90		15.60							
2.77974	0.00	19.580	0	0.8710	4.9030	97.80	1.3459	5	403.0
14.70									
396.90	29.29	11.80							
2.37934	0.00	19.580	0	0.8710	6.1300	100.00	1.4191	5	403.0
14.70									
172.91	27.80	13.80							
2.15505	0.00	19.580	0	0.8710	5.6280	100.00	1.5166	5	403.0
14.70									
169.27	16.65	15.60							
2.36862	0.00	19.580	0	0.8710	4.9260	95.70	1.4608	5	403.0
14.70									
391.71	29.53	14.60							
2.33099	0.00	19.580	0	0.8710	5.1860	93.80	1.5296	5	403.0
14.70									
356.99	28.32	17.80							
2.73397	0.00	19.580	0	0.8710	5.5970	94.90	1.5257	5	403.0
14.70									
351.85	21.45	15.40							
1.65660	0.00	19.580	0	0.8710	6.1220	97.30	1.6180	5	403.0
14.70									
372.80	14.10	21.50							
1.49632	0.00	19.580	0	0.8710	5.4040	100.00	1.5916	5	403.0
14.70									
341.60	13.28	19.60							
1.12658	0.00	19.580	1	0.8710	5.0120	88.00	1.6102	5	403.0
14.70									
343.28	12.12	15.30							
2.14918	0.00	19.580	0	0.8710	5.7090	98.50	1.6232	5	403.0
14.70									
261.95	15.79	19.40							
1.41385	0.00	19.580	1	0.8710	6.1290	96.00	1.7494	5	403.0
14.70									
321.02	15.12	17.00							
3.53501	0.00	19.580	1	0.8710	6.1520	82.60	1.7455	5	403.0
14.70									
88.01	15.02	15.60							
2.44668	0.00	19.580	0	0.8710	5.2720	94.00	1.7364	5	403.0
14.70									
88.63	16.14	13.10							
1.22358	0.00	19.580	0	0.6050	6.9430	97.40	1.8773	5	403.0
14.70									
363.43	4.59	41.30							
1.34284	0.00	19.580	0	0.6050	6.0660	100.00	1.7573	5	403.0
14.70									
353.89	6.43	24.30							
1.42502	0.00	19.580	0	0.8710	6.5100	100.00	1.7659	5	403.0
14.70									
364.31	7.39	23.30							
1.27346	0.00	19.580	1	0.6050	6.2500	92.60	1.7984	5	403.0

14.70									
338.92	5.50	27.00							
1.46336	0.00	19.580	0	0.6050	7.4890	90.80	1.9709	5	403.0
14.70									
374.43	1.73	50.00							
1.83377	0.00	19.580	1	0.6050	7.8020	98.20	2.0407	5	403.0
14.70									
389.61	1.92	50.00							
1.51902	0.00	19.580	1	0.6050	8.3750	93.90	2.1620	5	403.0
14.70									
388.45	3.32	50.00							
2.24236	0.00	19.580	0	0.6050	5.8540	91.80	2.4220	5	403.0
14.70									
395.11	11.64	22.70							
2.92400	0.00	19.580	0	0.6050	6.1010	93.00	2.2834	5	403.0
14.70									
240.16	9.81	25.00							
2.01019	0.00	19.580	0	0.6050	7.9290	96.20	2.0459	5	403.0
14.70									
369.30	3.70	50.00							
1.80028	0.00	19.580	0	0.6050	5.8770	79.20	2.4259	5	403.0
14.70			•			,,,,,		_	
227.61	12.14	23.80							
2.30040	0.00	19.580	0	0.6050	6.3190	96.10	2.1000	5	403.0
14.70	0.00	19.000	Ū		0.0130	30010	201000	J	10010
297.09	11.10	23.80							
2.44953	0.00	19.580	0	0.6050	6.4020	95.20	2.2625	5	403.0
14.70	0.00	19.300	Ū	0.0030	0.1020	33.20	2.2023	3	103.0
330.04	11.32	22.30							
1.20742	0.00	19.580	0	0.6050	5.8750	94.60	2.4259	5	403.0
14.70	0.00	13.300	Ū	0.0050	3.0730	74.00	2.4233	3	103.0
292.29	14.43	17.40							
2.31390	0.00	19.580	0	0.6050	5.8800	97.30	2.3887	5	403.0
14.70	0.00	19.300	Ū	0.0030	3.0000	37.50	2.3007	J	103.0
348.13	12.03	19.10							
0.13914		4.050	0	0.5100	5.5720	88.50	2.5961	5	296.0
16.60	0.00	4.030	Ū	0.5100	3.3720	00.50	2.3301	3	250.0
396.90	14.69	23.10							
0.09178		4.050	0	0 5100	6.4160	84 10	2.6463	5	296.0
16.60	0.00	4.030	Ū	0.5100	0.4100	04.10	2.0403	3	250.0
395.50	9.04	23.60							
0.08447		4.050	0	0.5100	5.8590	68 70	2.7019	5	296.0
16.60	0.00	4.030	Ū	0.5100	3.0370	00.70	2.7013	3	250.0
393.23	9.64	22.60							
0.06664		4.050	0	0.5100	6.5460	33.10	3.1323	5	296.0
16.60	0.00	4.030	Ū	0.5100	0.5400	33.10	3.1323	3	230.0
390.96	5.33	29.40							
0.07022		4.050	0	0.5100	6.0200	47 20	3.5549	5	296.0
16.60	3.00	1.030	•	0.5100	0.0200	11.20	0.0047	,	2000
393.23	10.11	23.20							
0.05425		4.050	0	0 5100	6.3150	73 40	3.3175	5	296.0
0.03423	0.00	4.030	J	0.5100	0.5150	13.40	3.3113	5	2,000

16.60									
395.60	6.29	24.60							
0.06642	0.00	4.050	0	0.5100	6.8600	74.40	2.9153	5	296.0
16.60									
391.27	6.92	29.90							
0.05780	0.00	2.460	0	0.4880	6.9800	58.40	2.8290	3	193.0
17.80									
396.90	5.04	37.20							
0.06588	0.00	2.460	0	0.4880	7.7650	83.30	2.7410	3	193.0
17.80									
395.56	7.56	39.80							
0.06888	0.00	2.460	0	0.4880	6.1440	62.20	2.5979	3	193.0
17.80									
396.90	9.45	36.20							
0.09103	0.00	2.460	0	0.4880	7.1550	92.20	2.7006	3	193.0
17.80									
394.12	4.82	37.90							
0.10008	0.00	2.460	0	0.4880	6.5630	95.60	2.8470	3	193.0
17.80									
396.90	5.68	32.50							
0.08308	0.00	2.460	0	0.4880	5.6040	89.80	2.9879	3	193.0
17.80			_						
391.00	13.98	26.40							
0.06047		2.460	0	0.4880	6.1530	68.80	3.2797	3	193.0
17.80			•		0.000		002.7.	_	
387.11	13.15	29.60							
0.05602		2.460	0	0.4880	7.8310	53.60	3.1992	3	193.0
17.80	0.00	2.100	ŭ	0.1000	, • 0010		011332	Ū	130.0
392.63	4.45	50.00							
0.07875		3.440	0	0.4370	6.7820	41.10	3.7886	5	398.0
15.20	10000	0.111	•		00,020			_	
	6.68	32.00							
0.12579		3.440	0	0.4370	6.5560	29.10	4.5667	5	398.0
15.20	10000	0.111	•				10000	_	
	4.56	29.80							
0.08370		3.440	0	0.4370	7.1850	38.90	4.5667	5	398.0
15.20	10000	0.111	•				10000	_	
396.90	5.39	34.90							
0.09068		3.440	0	0.4370	6.9510	21.50	6.4798	5	398.0
15.20	10000	0.111	•		00000			_	
377.68	5.10	37.00							
0.06911		3.440	0	0.4370	6.7390	30.80	6.4798	5	398.0
15.20	10000	0.111	•					_	
389.71	4.69	30.50							
0.08664		3.440	0	0.4370	7.1780	26.30	6.4798	5	398.0
15.20	10000	0.111	•					_	
390.49	2.87	36.40							
0.02187		2.930	0	0.4010	6.8000	9.90	6.2196	1	265.0
15.60			-					_	
393.37	5.03	31.10							
0.01439	60.00	2.930	0	0.4010	6.6040	18.80	6.2196	1	265.0
			-					_	

15.60									
376.70	4.38	29.10							
0.01381	80.00	0.460	0	0.4220	7.8750	32.00	5.6484	4	255.0
14.40									
394.23	2.97	50.00							
0.04011	80.00	1.520	0	0.4040	7.2870	34.10	7.3090	2	329.0
12.60									
396.90	4.08	33.30							
0.04666	80.00	1.520	0	0.4040	7.1070	36.60	7.3090	2	329.0
12.60									
354.31	8.61	30.30							
0.03768	80.00	1.520	0	0.4040	7.2740	38.30	7.3090	2	329.0
12.60									
392.20	6.62	34.60							
0.03150	95.00	1.470	0	0.4030	6.9750	15.30	7.6534	3	402.0
17.00									
	4.56	34.90							
0.01778	95.00	1.470	0	0.4030	7.1350	13.90	7.6534	3	402.0
17.00									
	4.45	32.90							
0.03445		2.030	0	0.4150	6.1620	38.40	6.2700	2	348.0
14.70			_					_	
	7.43	24.10							
0.02177		2.030	0	0.4150	7.6100	15.70	6.2700	2	348.0
14.70			•		, , , , , ,	20070	012.00	_	
	3.11	42.30							
0.03510		2.680	0	0.4161	7.8530	33.20	5.1180	4	224.0
14.70	30.00	2.000	ŭ	0.1101	, • • • • •	33123	3.1133	-	221.0
	3.81	48.50							
0.02009		2.680	0	0.4161	8.0340	31.90	5.1180	4	224.0
14.70	33.00	2.000	Ü	0.1101	0.0510	31.70	3.1100	•	221.0
390.55	2.88	50.00							
0.13642	0.00	10.590	0	0.4890	5.8910	22.30	3.9454	4	277.0
18.60	0.00	10.000	ŭ	0.1000	0.0010	22.00	0.7101	-	277.0
396.90	10.87	22.60							
0.22969	0.00	10.590	0	0.4890	6.3260	52.50	4.3549	4	277.0
18.60	0.00	10.000	ŭ	0.1000	0.0200	52.50	10013	-	2,,,,,
394.87	10.97	24.40							
0.25199	0.00	10.590	0	0.4890	5.7830	72.70	4.3549	4	277.0
18.60	0.00	10.330	Ü	0.1000	3.7030	72.70	1.0019	•	277.0
389.43	18.06	22.50							
0.13587	0.00	10.590	1	0.4890	6.0640	59.10	4.2392	4	277.0
18.60	0.00	10.550	_	0.4000	0.0040	37.10	4.2372	-	277.0
381.32	14.66	24.40							
0.43571	0.00	10.590	1	0.4890	5 3440	100.00	3.8750	4	277.0
18.60	0.00	10.330	_	0.4000	3.3440	100.00	3.0730	-	277.0
396.90	23.09	20.00							
0.17446	0.00	10.590	1	0.4890	5.9600	92.10	3.8771	4	277.0
18.60	3.00	10.370	_	0.4070	5.7000	> Z • T O	J. 0111	- 1	2,,,,
393.25	17.27	21.70							
	0.00	10.590	1	0.4890	5 4040	88.60	3.6650	4	277.0
0.3/3/0	0.00	10.330	_	0.4030	2.4040	00.00	3.0030	4	211.0

18.60									
395.24	23.98	19.30							
0.21719	0.00	10.590	1	0.4890	5.8070	53.80	3.6526	4	277.0
18.60									
390.94	16.03	22.40							
0.14052	0.00	10.590	0	0.4890	6.3750	32.30	3.9454	4	277.0
18.60									
385.81	9.38	28.10							
0.28955	0.00	10.590	0	0.4890	5.4120	9.80	3.5875	4	277.0
18.60									
348.93	29.55	23.70							
0.19802	0.00	10.590	0	0.4890	6.1820	42.40	3.9454	4	277.0
18.60									
393.63	9.47	25.00							
0.04560	0.00	13.890	1	0.5500	5.8880	56.00	3.1121	5	276.0
16.40									
392.80	13.51	23.30							
0.07013	0.00	13.890	0	0.5500	6.6420	85.10	3.4211	5	276.0
16.40									
392.78	9.69	28.70							
0.11069	0.00	13.890	1	0.5500	5.9510	93.80	2.8893	5	276.0
16.40			_		00000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		_	
396.90	17.92	21.50							
0.11425	0.00	13.890	1	0.5500	6.3730	92.40	3.3633	5	276.0
16.40	0.00	10.000	_	0.0000	0.0700	22.10	0.0000	J	2,000
393.74	10.50	23.00							
0.35809		6.200	1	0.5070	6.9510	88.50	2.8617	8	307.0
17.40	0.00	0.200	-	0.3070	0.3310	00.50	2.0017	J	307.0
391.70	9.71	26.70							
0.40771	0.00	6.200	1	0.5070	6.1640	91.30	3.0480	8	307.0
17.40	0.00	0.200	-	0.3070	0.1010	J1.50	3.0100	J	307.0
395.24	21.46	21.70							
0.62356		6.200	1	0.5070	6.8790	77.70	3.2721	8	307.0
17.40	0.00	0.200	_	0.0070	0.0750	,,,,,	0.2721	Ū	007.0
390.39	9.93	27.50							
0.61470		6.200	0	0.5070	6.6180	80.80	3.2721	8	307.0
17.40	0.00	0.200	Ŭ	0.3070	0.0100	00.00	3.2721	J	307.0
	7.60	30.10							
			0	0.5040	8.2660	78.30	2.8944	8	307.0
17.40	0.00	0.200	Ŭ	0.5010	0.2000	70.50	2.0311	J	307.0
385.05	4.14	44.80							
0.52693		6.200	0	0 5040	8.7250	83 00	2 8944	8	307.0
17.40	0.00	0.200	Ū	0.5040	0.7230	03.00	2.0344	J	307.0
382.00	4 63	50.00							
0.38214		6.200	0	0.5040	8.0400	86.50	3.2157	8	307.0
17.40	0.00	0.200	Ŭ	0.5010	0.0100	00.50	3.2137	J	307.0
387.38	3.13	37.60							
0.41238		6.200	0	0.5040	7.1630	79.90	3.2157	8	307.0
17.40	3.00	5.200	J	0.0010	, . 1000		5.2151	3	237.0
372.08	6.36	31.60							
		6.200	0	0.5040	7.6860	17.00	3.3751	8	307.0
0.27017	0.00	0.200	9	0.0010	,	1,.00	3.3731	U	557.5

17.40									
	3.92	46.70							
0.44178	0.00	6.200	0	0.5040	6.5520	21.40	3.3751	8	307.0
17.40									
380.34	3.76	31.50							
0.53700	0.00	6.200	0	0.5040	5.9810	68.10	3.6715	8	307.0
17.40									
378.35	11.65	24.30							
0.46296	0.00	6.200	0	0.5040	7.4120	76.90	3.6715	8	307.0
17.40									
376.14	5.25	31.70							
0.57529	0.00	6.200	0	0.5070	8.3370	73.30	3.8384	8	307.0
17.40									
385.91	2.47	41.70							
0.33147	0.00	6.200	0	0.5070	8.2470	70.40	3.6519	8	307.0
17.40									
378.95	3.95	48.30							
0.44791	0.00	6.200	1	0.5070	6.7260	66.50	3.6519	8	307.0
17.40									
	8.05	29.00							
0.33045		6.200	0	0.5070	6.0860	61.50	3.6519	8	307.0
17.40			_					_	
376.75	10.88	24.00							
0.52058		6.200	1	0.5070	6.6310	76.50	4.1480	8	307.0
17.40		01200	_		00000	, , , , ,			
	9.54	25.10							
0.51183		6.200	0	0.5070	7.3580	71.60	4.1480	8	307.0
17.40	0.00	0.200	ŭ	0.0070	, • • • • • • • • • • • • • • • • • • •	, 1, 0, 0	101100	Ū	00,10
	4.73	31.50							
0.08244		4.930	0	0.4280	6.4810	18.50	6.1899	6	300.0
16.60	30.00	1.550	Ü	0.1200	0.1010	10.50	0.1033	Ŭ	300.0
	6.36	23.70							
0.09252		4.930	0	0.4280	6.6060	42.20	6.1899	6	300.0
16.60		1.300	ŭ	0.1200		12.20	0.1033	Ū	
	7.37	23.30							
0.11329		4.930	0	0.4280	6.8970	54.30	6.3361	6	300.0
16.60		1.500	ŭ	0.1200	0.03,0	51.00	0.0001	Ü	
391.25	11.38	22.00							
0.10612		4.930	0	0.4280	6.0950	65.10	6.3361	6	300.0
16.60	30.00	1.550	Ü	0.1200	0.0330	03.10	0.3301	Ŭ	300.0
394.62	12.40	20.10							
0.10290		4.930	٥	0 4280	6.3580	52 90	7.0355	6	300.0
16.60	30.00	1.550	Ü	0.1200	0.0000	32.50	, • 0000	Ŭ	300.0
372.75	11.22	22.20							
0.12757	30.00	4.930	0	0.4280	6.3930	7 80	7.0355	6	300.0
16.60	30.00	1.550	Ü	0.1200	0.0000	7.00	, • 0000	Ŭ	300.0
374.71	5.19	23.70							
0.20608	22.00	5.860	0	0.4310	5.5930	76.50	7.9549	7	330.0
19.10	22.00	3.000	J	0.4010	3.3730	, 5 • 5 0	, • , , , , ,	,	550.0
372.49	12.50	17.60							
0.19133	22.00	5.860	0	0.4310	5.6050	70.20	7.9549	7	330.0
0.19133	22.00	3.000	U	0.4310	3.0030	10.20	1.0049	,	330.0

19.10									
389.13	18.46	18.50							
0.33983	22.00	5.860	0	0.4310	6.1080	34.90	8.0555	7	330.0
19.10									
390.18	9.16	24.30							
0.19657	22.00	5.860	0	0.4310	6.2260	79.20	8.0555	7	330.0
19.10									
376.14	10.15	20.50							
0.16439	22.00	5.860	0	0.4310	6.4330	49.10	7.8265	7	330.0
19.10									
374.71	9.52	24.50							
0.19073	22.00	5.860	0	0.4310	6.7180	17.50	7.8265	7	330.0
19.10									
393.74	6.56	26.20							
0.14030	22.00	5.860	0	0.4310	6.4870	13.00	7.3967	7	330.0
19.10									
	5.90	24.40							
0.21409		5.860	0	0.4310	6.4380	8.90	7.3967	7	330.0
19.10									
377.07	3.59	24.80							
0.08221		5.860	0	0.4310	6.9570	6.80	8.9067	7	330.0
19.10			•	001010				•	
	3.53	29.60							
0.36894		5.860	0	0.4310	8.2590	8.40	8.9067	7	330.0
19.10	22.00	3.333	ŭ	0.1010	0.2000	0.10		•	
	3.54	42.80							
0.04819		3.640	0	0.3920	6.1080	32.00	9.2203	1	315.0
16.40	00.00	3.010	Ü	0.0320	0.1000	32.00	J. 2200	_	313.0
	6.57	21.90							
0.03548		3.640	0	0.3920	5.8760	19.10	9.2203	1	315.0
16.40	00.00	3.010	Ü	0.0320	3.0700	17.10	J. 2200	_	313.0
	9.25	20.90							
0.01538		3.750	0	0.3940	7.4540	34.20	6.3361	3	244.0
15.90	30.00	01/00	ŭ	0.0310	, • 10 10	31023	0.0001	Ū	211.0
	3.11	44.00							
0.61154		3.970	0	0.6470	8.7040	86.90	1.8010	5	264.0
13.00	20.00	3.370	Ü	0.0170	0.7010	00.50	1.0010	3	201.0
	5.12	50.00							
0.66351			0	0.6470	7 3330	100 00	1 8946	5	264.0
13.00	20.00	3.370	Ü	0.0170	7.5550	100.00	1.0310	3	201.0
	7.79	36 00							
0.65665		3.970	٥	0.6470	6 8420	100 00	2 0107	5	264.0
13.00	20.00	3.370	Ü	0.0470	0.0420	100.00	2.0107	3	201.0
	6.90	30 10							
0.54011		3.970	٥	0.6470	7 2030	81 80	2 1121	5	264.0
13.00	20.00	3.370	Ü	0.0470	7.2030	01.00	2.1121	3	201.0
	9.59	33 80							
0.53412		3.970	Ω	0.6470	7 5200	89 40	2 1302	5	264.0
13.00	20.00	3.710	5	0.01/0	1.5200	07.40	2.1370	5	204.0
388.37	7 26	43.10							
0.52014		3.970	0	0.6470	8 3080	91 50	2.2885	5	264.0
0.32014	20.00	3.910	U	0.04/0	0.0900	71.50	2.2003	J	204.0

13.00									
386.86	5.91	48.80							
0.82526	20.00	3.970	0	0.6470	7.3270	94.50	2.0788	5	264.0
13.00									
393.42	11.25	31.00							
0.55007	20.00	3.970	0	0.6470	7.2060	91.60	1.9301	5	264.0
13.00									
387.89	8.10	36.50							
0.76162		3.970	0	0.6470	5.5600	62.80	1.9865	5	264.0
13.00									
392.40	10.45	22.80							
0.78570		3.970	0	0.6470	7.0140	84.60	2.1329	5	264.0
13.00			•			0 2 0 0 0		_	
384.07	14.79	30.70							
0.57834		3.970	0	0.5750	8.2970	67.00	2.4216	5	264.0
13.00	20.00	0.570	ŭ	0.0750	0.23,0	0,100	201210	J	201.0
	7.44	50.00							
0.54050		3.970	0	0.5750	7.4700	52.60	2.8720	5	264.0
13.00	20.00	3.370	Ü	0.3730	, • 1,00	32.00	2.0720	3	201.0
390.30	3.16	43.50							
0.09065		6.960	1	0.4640	5.9200	61.50	3.9175	3	223.0
18.60	20.00	0.500	_	0.4040	3.7200	01.50	3.7173	3	223.0
391.34	13.65	20.70							
0.29916		6.960	0	0.4640	5.8560	42.10	4.4290	3	223.0
18.60	20.00	0.500	U	0.4040	3.0300	42.10	4.4230	3	223.0
388.65	13.00	21.10							
0.16211		6.960	0	0.4640	6.2400	16.30	4.4290	3	223.0
18.60	20.00	0.900	U	0.4040	0.2400	10.30	4.4290	3	223.0
396.90	6.59	25.20							
0.11460		6.960	0	0.4640	6.5380	58.70	3.9175	3	223.0
18.60	20.00	0.900	U	0.4040	0.5500	30.70	3.9173	3	223.0
394.96	7.73	24.40							
0.22188		6.960	1	0.4640	7.6910	51.80	4.3665	3	223.0
18.60	20.00	0.900	_	0.4040	7.0910	31.00	4.3003	3	223.0
	6.58	35.20							
0.05644	40.00	6.410	1	0.4470	6.7580	32.90	4.0776	4	254.0
17.60	40.00	0.410	_	0.4470	0.7500	32.90	4.0770	4	234.0
396.90	2 52	32.40							
0.09604			Λ	0 4470	6 8540	/2 RU	1 2673	1	25/ 0
17.60	40.00	0.410	U	0.4470	0.8340	42.00	4.2073	4	234.0
	2.98	32 00							
		6.410	1	0 4470	7 2670	40 00	1 7972	1	254 0
17.60	40.00	0.410	1	0.4470	7.2070	49.00	4.7072	4	234.0
	6.05	33 30							
0.06127			1	0.4470	6 9260	27 60	1 9629	1	254 0
17.60	40.00	0.410	1	0.4470	0.0200	27.00	4.0020	4	234.0
	1 16	22 10							
0.07978	4.16	6.410	0	0 4470	6 1020	22 10	1 1402	Л	25/ 0
17.60	40.00	0.410	U	0.44/0	0.4020	32.10	4.1403	4	234.0
	7 10	20 10							
	7.19		0	0 4430	6 0120	22 20	4 1007	E	216 0
0.21038	20.00	3.330	U	0.4429	0.8170	32.20	4.100/	Э	216.0

14.90									
396.90	4.85	35.10							
0.03578	20.00	3.330	0	0.4429	7.8200	64.50	4.6947	5	216.0
14.90									
387.31	3.76	45.40							
0.03705	20.00	3.330	0	0.4429	6.9680	37.20	5.2447	5	216.0
14.90									
392.23	4.59	35.40							
0.06129	20.00	3.330	1	0.4429	7.6450	49.70	5.2119	5	216.0
14.90									
377.07	3.01	46.00							
0.01501	90.00	1.210	1	0.4010	7.9230	24.80	5.8850	1	198.0
13.60									
395.52	3.16	50.00							
0.00906	90.00	2.970	0	0.4000	7.0880	20.80	7.3073	1	285.0
15.30									
394.72	7.85	32.20							
0.01096	55.00	2.250	0	0.3890	6.4530	31.90	7.3073	1	300.0
15.30									
394.72	8.23	22.00							
0.01965		1.760	0	0.3850	6.2300	31.50	9.0892	1	241.0
18.20			_					_	
341.60	12.93	20.10							
0.03871		5.320	0	0.4050	6.2090	31.30	7.3172	6	293.0
16.60	02.00	01020	•		00200	02000			
396.90	7.14	23.20							
0.04590		5.320	0	0.4050	6.3150	45.60	7.3172	6	293.0
16.60	52.50	0.020	ŭ	0.1000	0.0100	10.00	, •01,2	Ū	230.0
396.90	7.60	22.30							
0.04297		5.320	0	0.4050	6.5650	22.90	7.3172	6	293.0
16.60	52.50	0.020	ŭ	0.1000	0.0000		, • • • • • •	Ü	230.0
371.72	9.51	24.80							
0.03502		4.950	0	0.4110	6.8610	27.90	5.1167	4	245.0
19.20		1.330	ŭ	0.1110	0.0010	2,,,,	311107	-	210.0
	3.33	28.50							
0.07886		4.950	0	0.4110	7.1480	27.70	5.1167	4	245.0
19.20		1.330	ŭ	0.1110	, , , , ,	27.70	311107	-	210.0
396.90	3.56	37.30							
0.03615	80.00	4.950	0	0.4110	6.6300	23.40	5.1167	4	245.0
19.20	00.00	1.550	Ü	0.1110	0.0000	23.10	3.1107	•	213.0
396.90	4.70	27.90							
0.08265	0.00	13.920	0	0.4370	6.1270	18.40	5.5027	4	289.0
16.00	0.00	13.720	Ü	0.1370	0.1270	10.10	3.3027	•	203.0
396.90	8.58	23.90							
0.08199	0.00	13.920	0	0.4370	6.0090	42.30	5.5027	4	289.0
16.00	0.00	13.720	Ü	0.1370	0.0000	12.50	3.3027	•	203.0
396.90	10.40	21.70							
0.12932	0.00	13.920	0	0.4370	6.6780	31.10	5.9604	4	289.0
16.00	3.00	10.720	J	0.40/0	0.0700	51.10	J. J. U. T.	-1	200.0
396.90	6.27	28.60							
0.05372	0.00	13.920	0	0.4370	6.5490	51.00	5.9604	4	289.0
0.03312	0.00	13.920	U	0.43/0	0.5490	21.00	3.7004	4	209.0

16.00									
392.85	7.39	27.10							
0.14103	0.00	13.920	0	0.4370	5.7900	58.00	6.3200	4	289.0
16.00									
396.90	15.84	20.30							
0.06466	70.00	2.240	0	0.4000	6.3450	20.10	7.8278	5	358.0
14.80									
368.24	4.97	22.50							
0.05561	70.00	2.240	0	0.4000	7.0410	10.00	7.8278	5	358.0
14.80									
371.58	4.74	29.00							
0.04417		2.240	0	0.4000	6.8710	47.40	7.8278	5	358.0
14.80	, , , , ,		•					_	
390.86	6.07	24.80							
0.03537		6.090	0	0.4330	6.5900	40.40	5.4917	7	329.0
16.10	01.00	0.000	ŭ	0.1000	0.0000	10.10	3 1 1 3 1 7	•	023.0
395.75	9.50	22.00							
0.09266		6.090	0	0.4330	6.4950	18.40	5.4917	7	329.0
16.10	31.00	0.030	Ü	0.1330	0.1330	10.10	3.1317	•	323.0
383.61	8.67	26.40							
0.10000		6.090	0	0.4330	6.9820	17.70	5.4917	7	329.0
16.10	34.00	0.000	Ü	0.4550	0.3020	17.70	3.4317	,	323.0
390.43	4.86	33.10							
0.05515		2.180	0	0.4720	7.2360	41.10	4.0220	7	222.0
18.40	33.00	2.100	U	0.4720	7.2300	41.10	4.0220	,	222.0
393.68	6.93	36.10							
0.05479		2.180	0	0.4720	6.6160	58.10	3.3700	7	222.0
18.40	33.00	2.100	U	0.4720	0.0100	30.10	3.3700	,	222.0
393.36	8.93	28.40							
0.07503		2.180	0	0.4720	7.4200	71.90	3.0992	7	222.0
18.40	33.00	2.100	U	0.4720	7.4200	71.50	3.0332	,	222.0
396.90	6.47	33.40							
0.04932	33.00	2.180	0	0.4720	6.8490	70.30	3.1827	7	222.0
18.40	33.00	2.100	U	0.4720	0.0400	70.50	3.1027	,	222.0
396.90	7.53	28.20							
0.49298	0.00	9.900	0	0.5440	6.6350	82.50	3.3175	4	304.0
18.40	0.00	J. J00	U	0.5440	0.0330	02.50	3.3173	-	304.0
	4.54	22.80							
			٥	0 5440	5.9720	76 70	3 1025	1	304 0
18.40	0.00	J. 300	Ü	0.5440	3.3720	70.70	3.1023	-	301.0
	9.97	20 30							
			٥	0 5440	4.9730	37 80	2 5194	4	304 0
18.40	0.00	J. J00	U	0.5440	4.5750	37.00	2.3174	-	304.0
	12.64	16 10							
0.79041			٥	0 5440	6 1220	52 80	2 6403	1	304 0
18.40	0.00	J. 300	Ü	0.5440	0.1220	32.00	2.0403	-	301.0
	5.98	22 10							
			Ω	0 5440	6.0230	90 40	2 8340	Л	304 O
18.40	0.00	J. J. U. U	J	0.5110	0.0230	JU • 40	2.0340	7	304.0
	11.72	19.40							
		9.900	0	0 5440	6.2660	82 80	3 2622	Л	304.0
0.20930	0.00	J.JUU	J	0.5440	0.2000	02.00	3.2020	-	204.0

18.40									
393.39	7.90	21.60							
0.36920	0.00	9.900	0	0.5440	6.5670	87.30	3.6023	4	304.0
18.40									
395.69	9.28	23.80							
0.25356	0.00	9.900	0	0.5440	5.7050	77.70	3.9450	4	304.0
18.40									
396.42	11.50	16.20							
0.31827	0.00	9.900	0	0.5440	5.9140	83.20	3.9986	4	304.0
18.40									
390.70	18.33	17.80							
0.24522	0.00	9.900	0	0.5440	5.7820	71.70	4.0317	4	304.0
18.40									
396.90	15.94	19.80							
0.40202	0.00	9.900	0	0.5440	6.3820	67.20	3.5325	4	304.0
18.40									
395.21	10.36	23.10							
0.47547	0.00	9.900	0	0.5440	6.1130	58.80	4.0019	4	304.0
18.40									
396.23	12.73	21.00							
0.16760	0.00	7.380	0	0.4930	6.4260	52.30	4.5404	5	287.0
19.60									
396.90	7.20	23.80							
0.18159	0.00	7.380	0	0.4930	6.3760	54.30	4.5404	5	287.0
19.60									
396.90	6.87	23.10							
0.35114		7.380	0	0.4930	6.0410	49.90	4.7211	5	287.0
19.60									
396.90	7.70	20.40							
0.28392	0.00	7.380	0	0.4930	5.7080	74.30	4.7211	5	287.0
19.60									
391.13	11.74	18.50							
0.34109	0.00	7.380	0	0.4930	6.4150	40.10	4.7211	5	287.0
19.60									
396.90	6.12	25.00							
0.19186		7.380	0	0.4930	6.4310	14.70	5.4159	5	287.0
19.60									
393.68	5.08	24.60							
0.30347		7.380	0	0.4930	6.3120	28.90	5.4159	5	287.0
19.60									
396.90	6.15	23.00							
0.24103		7.380	0	0.4930	6.0830	43.70	5.4159	5	287.0
19.60									
396.90	12.79	22.20							
0.06617	0.00	3.240	0	0.4600	5.8680	25.80	5.2146	4	430.0
16.90		-		·	•		_		
382.44	9.97	19.30							
0.06724		3.240	0	0.4600	6.3330	17.20	5.2146	4	430.0
16.90		=	-				=	=	
375.21	7.34	22.60							
0.04544	0.00	3.240	0	0.4600	6.1440	32.20	5.8736	4	430.0
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16.90									
368.57	9.09	19.80							
0.05023	35.00	6.060	0	0.4379	5.7060	28.40	6.6407	1	304.0
16.90									
394.02	12.43	17.10							
0.03466	35.00	6.060	0	0.4379	6.0310	23.30	6.6407	1	304.0
16.90									
362.25	7.83	19.40							
0.05083	0.00	5.190	0	0.5150	6.3160	38.10	6.4584	5	224.0
20.20									
389.71	5.68	22.20							
0.03738	0.00	5.190	0	0.5150	6.3100	38.50	6.4584	5	224.0
20.20									
389.40	6.75	20.70							
0.03961	0.00	5.190	0	0.5150	6.0370	34.50	5.9853	5	224.0
20.20									
396.90	8.01	21.10							
0.03427		5.190	0	0.5150	5.8690	46.30	5.2311	5	224.0
20.20									
396.90	9.80	19.50							
0.03041	0.00	5.190	0	0.5150	5.8950	59.60	5.6150	5	224.0
20.20									
394.81	10.56	18.50							
0.03306	0.00	5.190	0	0.5150	6.0590	37.30	4.8122	5	224.0
20.20									
396.14	8.51	20.60							
0.05497		5.190	0	0.5150	5.9850	45.40	4.8122	5	224.0
20.20		01270	•				100111	_	
396.90	9.74	19.00							
0.06151	0.00	5.190	0	0.5150	5.9680	58.50	4.8122	5	224.0
20.20			_						
396.90	9.29	18.70							
0.01301	35.00	1.520	0	0.4420	7.2410	49.30	7.0379	1	284.0
15.50			_					_	
394.74	5.49	32.70							
0.02498	0.00	1.890	0	0.5180	6.5400	59.70	6.2669	1	422.0
15.90									
	8.65	16.50							
0.02543		3.780	0	0.4840	6.6960	56.40	5.7321	5	370.0
17.60			_						
396.90	7.18	23.90							
0.03049		3.780	0	0.4840	6.8740	28.10	6.4654	5	370.0
17.60									
387.97	4.61	31.20							
0.03113	0.00	4.390	0	0.4420	6.0140	48.50	8.0136	3	352.0
18.80									
385.64	10.53	17.50							
		4.390	0	0.4420	5.8980	52.30	8.0136	3	352.0
18.80									
364.61	12.67	17.20							
		4.150	0	0.4290	6.5160	27.70	8.5353	4	351.0
=		<u>-</u>		-	-	•	-		

17.90									
392.43									
0.01501	80.00	2.010	0	0.4350	6.6350	29.70	8.3440	4	280.0
17.00									
390.94	5.99	24.50							
0.02899	40.00	1.250	0	0.4290	6.9390	34.50	8.7921	1	335.0
19.70									
389.85	5.89	26.60							
0.06211	40.00	1.250	0	0.4290	6.4900	44.40	8.7921	1	335.0
19.70									
396.90	5.98	22.90							
0.07950	60.00	1.690	0	0.4110	6.5790	35.90	10.7103	4	411.0
18.30									
370.78	5.49	24.10							
0.07244	60.00	1.690	0	0.4110	5.8840	18.50	10.7103	4	411.0
18.30									
392.33	7.79	18.60							
0.01709	90.00	2.020	0	0.4100	6.7280	36.10	12.1265	5	187.0
17.00									
384.46	4.50	30.10							
0.04301	80.00	1.910	0	0.4130	5.6630	21.90	10.5857	4	334.0
22.00									
382.80	8.05	18.20							
0.10659	80.00	1.910	0	0.4130	5.9360	19.50	10.5857	4	334.0
22.00									
376.04	5.57	20.60							
8.98296	0.00	18.100	1	0.7700	6.2120	97.40	2.1222	24	666.0
20.20									
377.73	17.60	17.80							
3.84970	0.00	18.100	1	0.7700	6.3950	91.00	2.5052	24	666.0
20.20									
391.34	13.27	21.70							
5.20177	0.00	18.100	1	0.7700	6.1270	83.40	2.7227	24	666.0
20.20									
395.43	11.48	22.70							
4.26131	0.00	18.100	0	0.7700	6.1120	81.30	2.5091	24	666.0
20.20									
390.74	12.67	22.60							
4.54192	0.00	18.100	0	0.7700	6.3980	88.00	2.5182	24	666.0
20.20									
374.56	7.79	25.00							
3.83684	0.00	18.100	0	0.7700	6.2510	91.10	2.2955	24	666.0
20.20									
350.65	14.19	19.90							
3.67822	0.00	18.100	0	0.7700	5.3620	96.20	2.1036	24	666.0
20.20									
380.79	10.19	20.80							
4.22239	0.00	18.100	1	0.7700	5.8030	89.00	1.9047	24	666.0
20.20									
353.04	14.64	16.80							
3.47428	0.00	18.100	1	0.7180	8.7800	82.90	1.9047	24	666.0

20.20									
354.55	5.29								
4.55587	0.00	18.100	0	0.7180	3.5610	87.90	1.6132	24	666.0
20.20									
354.70	7.12	27.50							
3.69695	0.00	18.100	0	0.7180	4.9630	91.40	1.7523	24	666.0
20.20									
316.03	14.00	21.90							
13.52220	0.00	18.100	0	0.6310	3.8630	100.00	1.5106	24	666.0
20.20									
131.42	13.33	23.10							
4.89822	0.00	18.100	0	0.6310	4.9700	100.00	1.3325	24	666.0
20.20									
375.52	3.26	50.00							
5.66998	0.00	18.100	1	0.6310	6.6830	96.80	1.3567	24	666.0
20.20									
375.33	3.73	50.00							
6.53876	0.00	18.100	1	0.6310	7.0160	97.50	1.2024	24	666.0
20.20									
392.05	2.96	50.00							
9.23230	0.00	18.100	0	0.6310	6.2160	100.00	1.1691	24	666.0
20.20									
366.15	9.53	50.00							
8.26725	0.00	18.100	1	0.6680	5.8750	89.60	1.1296	24	666.0
20.20									
347.88	8.88	50.00							
11.10810	0.00	18.100	0	0.6680	4.9060	100.00	1.1742	24	666.0
20.20									
396.90	34.77	13.80							
18.49820	0.00	18.100	0	0.6680	4.1380	100.00	1.1370	24	666.0
20.20									
396.90	37.97	13.80							
19.60910	0.00	18.100	0	0.6710	7.3130	97.90	1.3163	24	666.0
20.20									
396.90	13.44	15.00							
15.28800	0.00	18.100	0	0.6710	6.6490	93.30	1.3449	24	666.0
20.20									
363.02	23.24	13.90							
9.82349	0.00	18.100	0	0.6710	6.7940	98.80	1.3580	2.4	666.0
20.20			•			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
396.90	21.24	13.30							
23.64820	0.00	18.100	0	0.6710	6.3800	96.20	1.3861	24	666.0
20.20			•			,,,,			
396.90	23.69	13.10							
17.86670	0.00	18.100	0	0.6710	6.2230	100.00	1.3861	24	666.0
20.20			•		00220				
393.74	21.78	10.20							
88.97620	0.00	18.100	0	0.6710	6.9680	91.90	1.4165	24	666.0
20.20			-	· 					
396.90	17.21	10.40							
15.87440	0.00	18.100	0	0.6710	6.5450	99.10	1.5192	24	666.0
			-	5.5,15	5.5150				

20.20									
396.90	21.08	10.90							
9.18702	0.00	18.100	0	0.7000	5.5360	100.00	1.5804	24	666.0
20.20									
396.90	23.60	11.30							
7.99248	0.00	18.100	0	0.7000	5.5200	100.00	1.5331	24	666.0
20.20									
396.90	24.56	12.30							
20.08490	0.00	18.100	0	0.7000	4.3680	91.20	1.4395	24	666.0
20.20									
285.83	30.63	8.80							
16.81180	0.00	18.100	0	0.7000	5.2770	98.10	1.4261	24	666.0
20.20									
396.90	30.81	7.20							
24.39380	0.00	18.100	0	0.7000	4.6520	100.00	1.4672	24	666.0
20.20									
396.90	28.28	10.50							
22.59710	0.00	18.100	0	0.7000	5.0000	89.50	1.5184	24	666.0
20.20									
396.90	31.99	7.40							
14.33370	0.00	18.100	0	0.7000	4.8800	100.00	1.5895	24	666.0
20.20									
372.92	30.62	10.20							
8.15174	0.00	18.100	0	0.7000	5.3900	98.90	1.7281	24	666.0
20.20									
396.90	20.85	11.50							
6.96215	0.00	18.100	0	0.7000	5.7130	97.00	1.9265	24	666.0
20.20									
394.43	17.11	15.10							
5.29305	0.00	18.100	0	0.7000	6.0510	82.50	2.1678	24	666.0
20.20									
378.38	18.76	23.20							
11.57790	0.00	18.100	0	0.7000	5.0360	97.00	1.7700	24	666.0
20.20									
396.90	25.68	9.70							
8.64476	0.00	18.100	0	0.6930	6.1930	92.60	1.7912	24	666.0
20.20									
396.90		13.80	_						
	0.00	18.100	0	0.6930	5.8870	94.70	1.7821	24	666.0
20.20	4 - 0 -								
396.90		12.70	•			00.00	1 5055		
	0.00	18.100	0	0.6930	6.4710	98.80	1.7257	24	666.0
20.20	17 10	10 10							
391.98		13.10	•			06.00	1 6560		
5.87205	0.00	18.100	0	0.6930	6.4050	96.00	1.6768	24	666.0
20.20	10 27	10 50							
396.90		12.50	0	0 (020	E 7470	00 00	1 (224	2.4	666.0
7.67202	0.00	18.100	U	0.6930	5./4/0	98.90	1.6334	Z 4	000.0
20.20	10 00	0 50							
393.10		8.50	0	0 6020	E 4530	100 00	1 4000	2.4	666.0
38.35180	0.00	18.100	0	0.6930	5.4530	100.00	1.4896	Z 4	000.0

20.20									
396.90		5.00	_						
9.91655	0.00	18.100	0	0.6930	5.8520	77.80	1.5004	24	666.0
20.20									
338.16		6.30							
25.04610	0.00	18.100	0	0.6930	5.9870	100.00	1.5888	24	666.0
20.20									
396.90	26.77	5.60							
14.23620	0.00	18.100	0	0.6930	6.3430	100.00	1.5741	24	666.0
20.20									
396.90	20.32	7.20							
9.59571	0.00	18.100	0	0.6930	6.4040	100.00	1.6390	24	666.0
20.20									
376.11	20.31	12.10							
24.80170	0.00	18.100	0	0.6930	5.3490	96.00	1.7028	24	666.0
20.20									
396.90	19.77	8.30							
41.52920	0.00	18.100	0	0.6930	5.5310	85.40	1.6074	24	666.0
20.20									
329.46	27.38	8.50							
67.92080	0.00	18.100	0	0.6930	5.6830	100.00	1.4254	24	666.0
20.20									
384.97	22.98	5.00							
20.71620	0.00	18.100	0	0.6590	4.1380	100.00	1.1781	24	666.0
20.20									
370.22	23.34	11.90							
11.95110	0.00	18.100	0	0.6590	5.6080	100.00	1.2852	24	666.0
20.20									
332.09	12.13	27.90							
7.40389	0.00	18.100	0	0.5970	5.6170	97.90	1.4547	24	666.0
20.20									
314.64	26.40	17.20							
14.43830	0.00	18.100	0	0.5970	6.8520	100.00	1.4655	24	666.0
20.20									
179.36	19.78	27.50							
51.13580	0.00	18.100	0	0.5970	5.7570	100.00	1.4130	24	666.0
20.20									
2.60	10.11	15.00							
14.05070	0.00	18.100	0	0.5970	6.6570	100.00	1.5275	24	666.0
20.20									
35.05	21.22	17.20							
18.81100	0.00	18.100	0	0.5970	4.6280	100.00	1.5539	24	666.0
20.20									
28.79	34.37	17.90							
28.65580	0.00	18.100	0	0.5970	5.1550	100.00	1.5894	24	666.0
20.20									
210.97	20.08	16.30							
45.74610	0.00	18.100	0	0.6930	4.5190	100.00	1.6582	24	666.0
20.20			-		. = - •			-	
88.27	36.98	7.00							
18.08460	0.00	18.100	0	0.6790	6.4340	100.00	1.8347	24	666.0
	3.00		-						

20.20									
27.25		7.20	_						
	0.00	18.100	0	0.6790	6.7820	90.80	1.8195	24	666.0
20.20									
21.57		7.50							
	0.00	18.100	0	0.6790	5.3040	89.10	1.6475	24	666.0
20.20									
127.36		10.40							
73.53410	0.00	18.100	0	0.6790	5.9570	100.00	1.8026	24	666.0
20.20									
	20.62								
11.81230	0.00	18.100	0	0.7180	6.8240	76.50	1.7940	24	666.0
20.20									
48.45	22.74	8.40							
11.08740	0.00	18.100	0	0.7180	6.4110	100.00	1.8589	24	666.0
20.20									
318.75	15.02	16.70							
7.02259	0.00	18.100	0	0.7180	6.0060	95.30	1.8746	24	666.0
20.20									
319.98	15.70	14.20							
12.04820	0.00	18.100	0	0.6140	5.6480	87.60	1.9512	24	666.0
20.20									
291.55	14.10	20.80							
7.05042	0.00	18.100	0	0.6140	6.1030	85.10	2.0218	24	666.0
20.20									
2.52	23.29	13.40							
8.79212		18.100	0	0.5840	5.5650	70.60	2.0635	24	666.0
20.20									
	17.16	11.70							
		18.100	0	0.6790	5.8960	95.40	1.9096	24	666.0
20.20									
7.68	24.39	8.30							
12.24720		18.100	0	0.5840	5.8370	59.70	1.9976	24	666.0
20.20									
24.65	15.69	10.20							
	0.00	18.100	0	0.6790	6.2020	78.70	1.8629	2.4	666.0
20.20					*******				
18.82	14.52	10.90							
7.36711	0.00	18.100	0	0.6790	6.1930	78.10	1.9356	2.4	666.0
20.20									
96.73	21.52	11.00							
	0.00	18.100	0	0.6790	6.3800	95.60	1.9682	2.4	666.0
20.20			•			2000			
60.72	24.08	9.50							
	0.00	18.100	0	0.5840	6.3480	86.10	2.0527	24	666.0
20.20	0.00	10.100	ŭ	0.0010	0.0100	00110	2002,		
83.45	17.64	14.50							
	0.00	18.100	0	0.5840	6.8330	94.30	2.0882	24	666.0
20.20	J. 00	10.100	5	0.0010	3.3330	21.00	2.002	- 1	555.5
81.33	19.69	14.10							
	0.00	18.100	٥	0.5840	6.4250	74 80	2.2004	24	666.0
0.44403	5.00	10.100	J	0.5040	0.7230	, 4.00	2.2004	24	000.0

20.20									
	12.03								
	0.00	18.100	0	0.7130	6.4360	87.90	2.3158	24	666.0
20.20									
100.19	16.22	14.30							
	0.00	18.100	0	0.7130	6.2080	95.00	2.2222	24	666.0
20.20									
100.63	15.17	11.70							
	0.00	18.100	0	0.7400	6.6290	94.60	2.1247	24	666.0
20.20									
109.85	23.27	13.40							
14.42080	0.00	18.100	0	0.7400	6.4610	93.30	2.0026	24	666.0
20.20									
27.49	18.05	9.60							
15.17720	0.00	18.100	0	0.7400	6.1520	100.00	1.9142	24	666.0
20.20									
9.32	26.45	8.70							
13.67810	0.00	18.100	0	0.7400	5.9350	87.90	1.8206	24	666.0
20.20									
68.95	34.02	8.40							
9.39063	0.00	18.100	0	0.7400	5.6270	93.90	1.8172	24	666.0
20.20									
396.90	22.88	12.80							
22.05110	0.00	18.100	0	0.7400	5.8180	92.40	1.8662	24	666.0
20.20									
391.45	22.11	10.50							
9.72418	0.00	18.100	0	0.7400	6.4060	97.20	2.0651	24	666.0
20.20									
385.96	19.52	17.10							
5.66637	0.00	18.100	0	0.7400	6.2190	100.00	2.0048	24	666.0
20.20									
395.69	16.59	18.40							
9.96654	0.00	18.100	0	0.7400	6.4850	100.00	1.9784	24	666.0
20.20									
386.73	18.85	15.40							
12.80230	0.00	18.100	0	0.7400	5.8540	96.60	1.8956	24	666.0
20.20									
240.52	23.79	10.80							
10.67180	0.00	18.100	0	0.7400	6.4590	94.80	1.9879	24	666.0
20.20									
43.06	23.98	11.80							
6.28807	0.00	18.100	0	0.7400	6.3410	96.40	2.0720	24	666.0
20.20									
318.01	17.79	14.90							
9.92485	0.00	18.100	0	0.7400	6.2510	96.60	2.1980	24	666.0
20.20									
388.52	16.44	12.60							
9.32909	0.00	18.100	0	0.7130	6.1850	98.70	2.2616	24	666.0
20.20									
396.90	18.13	14.10							
7.52601	0.00	18.100	0	0.7130	6.4170	98.30	2.1850	24	666.0

20.20									
304.21	19.31	13.00							
6.71772	0.00	18.100	0	0.7130	6.7490	92.60	2.3236	24	666.0
20.20									
0.32	17.44	13.40							
5.44114	0.00	18.100	0	0.7130	6.6550	98.20	2.3552	24	666.0
20.20									
355.29	17.73	15.20							
5.09017	0.00	18.100	0	0.7130	6.2970	91.80	2.3682	24	666.0
20.20									
385.09	17.27	16.10							
8.24809	0.00	18.100	0	0.7130	7.3930	99.30	2.4527	24	666.0
20.20									
375.87	16.74	17.80							
9.51363	0.00	18.100	0	0.7130	6.7280	94.10	2.4961	24	666.0
20.20									
6.68	18.71	14.90							
4.75237	0.00	18.100	0	0.7130	6.5250	86.50	2.4358	24	666.0
20.20									
50.92	18.13	14.10							
4.66883	0.00	18.100	0	0.7130	5.9760	87.90	2.5806	24	666.0
20.20			•						
10.48	19.01	12.70							
8.20058	0.00	18.100	0	0.7130	5.9360	80.30	2.7792	24	666.0
20.20			•						
3.50	16.94	13.50							
7.75223	0.00	18.100	0	0.7130	6.3010	83.70	2.7831	24	666.0
20.20	0.00	101100	Ū	0.7100	0.0010	00170	20,001		
272.21	16.23	14.90							
6.80117	0.00	18.100	0	0.7130	6.0810	84.40	2.7175	24	666.0
20.20	0.00	10.100	Ū	0.7130	0.0010	01.10	2.7173	2 1	000.0
396.90	14.70	20.00							
4.81213	0.00	18.100	0	0.7130	6.7010	90.00	2.5975	24	666.0
20.20	0.00	10.100	Ū	0.7130	0.7010	30.00	2.3373	2 1	000.0
255.23	16.42	16.40							
3.69311	0.00	18.100	0	0.7130	6.3760	88.40	2.5671	24	666.0
20.20	0.00	10.100	Ū	0.7130	0.3700	00.10	2.3071	2 1	000.0
	14.65	17.70							
6.65492			0	0.7130	6.3170	83.00	2.7344	24	666.0
20.20	0.00	10.100	Ū	0.7130	0.3170	00.00	2.7311	2 1	000.0
396.90	13.99	19.50							
		18.100	0	0.7130	6.5130	89.90	2.8016	24	666.0
20.20	0.00	10.100	Ū	0.7130	0.3130	03.30	2.0010	2 1	000.0
393.82	10.29	20 20							
		18.100	0	0 6550	6.2090	65 40	2 9634	24	666 0
20.20	0.00	10.100	Ū	0.0550	0.2000	03.40	2.5054	27	000.0
396.90	13.22	21 40							
		18.100	0	0 6550	5.7590	48 20	3 0665	21	666 0
20.20	0.00	10.100	J	0.0550	3.1330	40.20	3.0003	47	000.0
334.40	14.13	19.90							
		18.100	Ω	0 6550	5.9520	84 70	2 2715	21	666 0
J • 1 1470	0.00	10.100	U	0.0550	J • 9 J Z U	04.70	2.0/13	24	000.0

20.20									
22.01	17.15	19.00							
4.42228	0.00	18.100	0	0.5840	6.0030	94.50	2.5403	24	666.0
20.20									
331.29	21.32	19.10							
15.57570	0.00	18.100	0	0.5800	5.9260	71.00	2.9084	24	666.0
20.20									
368.74	18.13	19.10							
13.07510	0.00	18.100	0	0.5800	5.7130	56.70	2.8237	24	666.0
20.20									
396.90	14.76	20.10							
4.34879	0.00	18.100	0	0.5800	6.1670	84.00	3.0334	24	666.0
20.20									
396.90	16.29	19.90							
4.03841	0.00	18.100	0	0.5320	6.2290	90.70	3.0993	24	666.0
20.20									
395.33	12.87	19.60							
3.56868	0.00	18.100	0	0.5800	6.4370	75.00	2.8965	24	666.0
20.20									
393.37	14.36	23.20							
4.64689	0.00	18.100	0	0.6140	6.9800	67.60	2.5329	24	666.0
20.20									
374.68	11.66	29.80							
8.05579	0.00	18.100	0	0.5840	5.4270	95.40	2.4298	24	666.0
20.20					0.012.0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
352.58	18.14	13.80							
6.39312	0.00	18.100	0	0.5840	6.1620	97.40	2.2060	24	666.0
20.20	0.00	101100	ŭ	0.0010	0.1020	3,410	20200		
302.76	24.10	13.30							
4.87141	0.00	18.100	0	0.6140	6.4840	93.60	2.3053	24	666.0
20.20					001010		_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
396.21	18.68	16.70							
15.02340	0.00	18.100	0	0.6140	5.3040	97.30	2.1007	24	666.0
20.20					000010	,,,,,			
349.48	24.91	12.00							
10.23300	0.00	18.100	0	0.6140	6.1850	96.70	2.1705	24	666.0
20.20					001000	,,,,,			
	18.03	14.60							
			0	0.6140	6.2290	88.00	1.9512	24	666.0
20.20									
383.32	13.11	21.40							
		18.100	0	0.5320	6.2420	64.70	3.4242	24	666.0
20.20	0.00	10.100	ŭ	0.0020	0.2120	01170	011212		
396.90	10.74	23.00							
		18.100	0	0.5320	6.7500	74.90	3.3317	24	666.0
20.20	0.00	10.100	Ŭ	0.3320	0.7500	71.50	3.3317	2 1	000.0
393.07	7.74	23.70							
5.73116		18.100	0	0.5320	7.0610	77.00	3.4106	24	666.0
20.20	3.00	10.100	9	0.3320	,		5.1100	_ 1	550.0
395.28	7.01	25.00							
2.81838		18.100	٥	0 5320	5.7620	40 30	4 0083	21	666 0
2.01030	0.00	10.100	J	0.5520	3.7020	40.00	4.0703	27	000.0

20.20									
392.92	10.42	21.80							
2.37857	0.00	18.100	0	0.5830	5.8710	41.90	3.7240	24	666.0
20.20									
370.73	13.34	20.60							
3.67367	0.00	18.100	0	0.5830	6.3120	51.90	3.9917	24	666.0
20.20									
388.62	10.58	21.20							
5.69175	0.00	18.100	0	0.5830	6.1140	79.80	3.5459	24	666.0
20.20									
392.68	14.98	19.10							
4.83567	0.00	18.100	0	0.5830	5.9050	53.20	3.1523	24	666.0
20.20									
388.22	11.45	20.60							
0.15086	0.00	27.740	0	0.6090	5.4540	92.70	1.8209	4	711.0
20.10									
395.09	18.06	15.20							
0.18337	0.00	27.740	0	0.6090	5.4140	98.30	1.7554	4	711.0
20.10									
344.05	23.97	7.00							
0.20746	0.00	27.740	0	0.6090	5.0930	98.00	1.8226	4	711.0
20.10									
318.43	29.68	8.10							
0.10574	0.00	27.740	0	0.6090	5.9830	98.80	1.8681	4	711.0
20.10									
390.11	18.07	13.60							
0.11132	0.00	27.740	0	0.6090	5.9830	83.50	2.1099	4	711.0
20.10									
396.90	13.35	20.10							
0.17331	0.00	9.690	0	0.5850	5.7070	54.00	2.3817	6	391.0
19.20									
396.90	12.01	21.80							
0.27957	0.00	9.690	0	0.5850	5.9260	42.60	2.3817	6	391.0
19.20									
396.90	13.59	24.50							
0.17899	0.00	9.690	0	0.5850	5.6700	28.80	2.7986	6	391.0
19.20									
393.29	17.60	23.10							
0.28960		9.690	0	0.5850	5.3900	72.90	2.7986	6	391.0
19.20									
396.90	21.14	19.70							
0.26838		9.690	0	0.5850	5.7940	70.60	2.8927	6	391.0
19.20									
396.90	14.10	18.30							
0.23912		9.690	0	0.5850	6.0190	65.30	2.4091	6	391.0
19.20									
396.90	12.92	21.20							
0.17783		9.690	0	0.5850	5.5690	73.50	2.3999	6	391.0
19.20			-					=	
395.77	15.10	17.50							
0.22438		9.690	0	0.5850	6.0270	79.70	2.4982	6	391.0
•			-					-	

19.20									
396.90	14.33	16.80							
0.06263	0.00	11.930	0	0.5730	6.5930	69.10	2.4786	1	273.0
21.00									
391.99	9.67	22.40							
0.04527	0.00	11.930	0	0.5730	6.1200	76.70	2.2875	1	273.0
21.00									
396.90	9.08	20.60							
0.06076	0.00	11.930	0	0.5730	6.9760	91.00	2.1675	1	273.0
21.00									
396.90	5.64	23.90							
0.10959	0.00	11.930	0	0.5730	6.7940	89.30	2.3889	1	273.0
21.00									
393.45	6.48	22.00							
0.04741	0.00	11.930	0	0.5730	6.0300	80.80	2.5050	1	273.0
21.00									
396.90	7.88	11.90							