Appendix A

				D.	atabase for	Rectangular CCFST C	olumns				
N	B (mm)	H (mm)	t (mm)	L (mm)	L/B	E _o (MPa)	f _{0.2} (MPa)	f _u (MPa)	n	f' _{c,cyl}	N Test (kN)
1	51.0	51.0	1.8	150.0	2.9	205100.0	353.0	680.9	10.4	21.5	234.0
2	51.0	51.0	1.8	150.0	2.9	205100.0	353.0	680.9	10.4	21.5	243.0
3	51.0	51.0	1.8	150.0	2.9	205100.0	353.0	680.9	10.4	34.9	268.0
4	51.0	51.0	1.8 2.9	150.0	2.9 2.9	205100.0	353.0	680.9	10.4	34.9	274.0
5 6	51.0 51.0	51.0 51.0	2.9	150.0 150.0	2.9	207900.0 207900.0	440.0 440.0	743.8 743.8	8.2 8.2	21.5 21.5	358.0 364.0
7	51.0	51.0	2.9	150.0	2.9	207900.0	440.0	743.8	8.2	34.9	394.0
8	51.0	51.0	2.9	150.0	2.9	207900.0	440.0	743.8	8.2	34.9	393.0
9	100.0	100.0	2.9	300.0	3.0	195700.0	358.0	664.9	8.3	21.5	705.0
10	100.0	100.0	2.9	300.0	3.0	195700.0	358.0	664.9	8.3	21.5	716.0
11	100.0	100.0	2.9	300.0	3.0	195700.0	358.0	664.9	8.3	34.9	765.0
12	100.0	100.0	2.9	300.0	3.0	195700.0	358.0	664.9	8.3	34.9	742.0
13	101.0	101.0	5.1	300.0	3.0	202100.0	435.0	727.2	7.0	21.5	1352.0
14	101.0	101.0	5.1	300.0	3.0	202100.0	435.0	727.2	7.0	21.5	1348.0
15 16	101.0 101.0	101.0 101.0	5.1 5.1	300.0 300.0	3.0 3.0	202100.0 202100.0	435.0 435.0	727.2 727.2	7.0 7.0	34.9 34.9	1434.0 1461.0
17	152.0	152.0	2.9	450.0	3.0	192600.0	268.0	585.9	6.8	21.5	1035.0
18	152.0	152.0	2.9	450.0	3.0	192600.0	268.0	585.9	6.8	21.5	1062.0
19	152.0	152.0	2.9	450.0	3.0	192600.0	268.0	585.9	6.8	34.9	1074.0
20	152.0	152.0	2.9	450.0	3.0	192600.0	268.0	585.9	6.8	34.9	1209.0
21	150.0	150.0	4.8	450.0	3.0	192200.0	340.0	644.8	5.6	21.5	1804.0
22	150.0	150.0	4.8	450.0	3.0	192200.0	340.0	644.8	5.6	21.5	1798.0
23	150.0	150.0	4.8	450.0	3.0	192200.0	340.0	644.8	5.6	34.9	1947.0
24	150.0	150.0	4.8	450.0	3.0	192200.0	340.0	644.8	5.6	34.9	1976.0
25 26	100.3 100.3	100.3 100.3	2.8	440.0 440.0	4.4 4.4	182000.0 182000.0	390.3 390.3	762.1 762.1	6.7 6.7	36.3 75.4	767.6 1090.5
27	99.8	99.3	3.0	299.0	3.0	217000.0	365.0	707.0	6.0	49.1	830.0
28	101.0	100.5	3.0	299.0	3.0	217000.0	365.0	707.0	6.0	68.1	1004.0
29	101.0	100.5	3.0	299.0	3.0	217000.0	365.0	707.0	6.0	86.4	1162.0
30	121.0	120.5	5.0	358.0	3.0	201000.0	317.0	665.0	6.3	49.1	1373.0
31	120.0	120.0	5.0	359.0	3.0	201000.0	317.0	665.0	6.3	68.1	1566.0
32	120.5	119.5	5.0	357.0	3.0	201000.0	317.0	665.0	6.3	86.4	1840.0
33	150.0	149.5	5.0	447.0	3.0	210000.0	324.0	673.0	7.8	49.1	1860.0
34 35	150.0 150.0	149.5 149.5	5.0 5.0	449.0 449.0	3.0	210000.0 210000.0	324.0 324.0	673.0 673.0	7.8 7.8	68.1 86.4	2218.0 2612.0
36	100.1	49.7	5.0	299.0	3.0	199000.0	322.0	671.0	3.4	49.1	720.0
37	100.2	49.7	5.0	299.0	3.0	199000.0	322.0	671.0	3.4	68.1	768.0
38	100.1	49.7	5.0	299.0	3.0	199000.0	322.0	671.0	3.4	86.4	837.0
39	149.5	100.3	5.0	448.0	3.0	201000.0	321.0	669.0	6.0	49.1	1419.0
40	149.8	100.4	5.0	447.0	3.0	201000.0	321.0	669.0	6.0	68.1	1643.0
41	149.7	100.3	5.0	445.0	3.0	201000.0	321.0	669.0	6.0	86.4	1920.0
42	160.0	160.0	2.9	480.0	3.0	202800.0	446.2	735.0	4.9	35.2	1461.5
43 44	160.0 160.0	160.0 160.0	2.9	480.0 480.0	3.0 3.0	202800.0 202800.0	446.2 446.2	735.0	4.9 4.9	35.2	1534.1
45	160.0	160.0	2.9	480.0	3.0	202800.0	446.2	735.0 735.0	4.9	41.1 41.1	1584.9 1532.8
46	160.0	160.0	3.9	480.0	3.0	197400.0	414.5	704.4	4.6	35.2	2039.6
47	160.0	160.0	3.9	480.0	3.0	197400.0	414.5	704.4	4.6	35.2	1930.6
48	160.0	160.0	4.8	480.0	3.0	197900.0	431.9	715.4	6.7	35.2	2124.6
49	160.0	160.0	4.8	480.0	3.0	197900.0	431.9	715.4	6.7	35.2	2011.9
50	160.0	160.0	2.9	480.0	3.0	202800.0	446.2	735.0	4.9	35.4	1543.3
51	160.0	160.0	2.9	480.0	3.0	202800.0	446.2	735.0	4.9	35.4	1590.0
52	160.0	160.0	2.9	480.0	3.0	202800.0	446.2	735.0	4.9	47.0	1768.8
53 54	160.0 160.0	160.0 160.0	2.9 3.9	480.0 480.0	3.0 3.0	202800.0 197400.0	446.2 414.5	735.0 704.4	4.9 4.6	47.0 35.4	1913.8 1955.4
55	160.0	160.0	3.9	480.0	3.0	197400.0	414.5	704.4	4.6	35.4	1896.5
56	160.0	160.0	4.8	480.0	3.0	197900.0	431.9	715.4	6.7	35.4	2151.5
57	160.0	160.0	4.8	480.0	3.0	197900.0	431.9	715.4	6.7	35.4	2141.3
58	160.0	160.0	2.9	480.0	3.0	202800.0	446.2	735.0	4.9	37.8	1724.6
59	160.0	160.0	2.9	480.0	3.0	202800.0	446.2	735.0	4.9	37.8	1780.0
60	160.0	160.0	2.9	480.0	3.0	202800.0	446.2	735.0	4.9	41.9	1689.7
61	160.0	160.0	2.9	480.0	3.0	202800.0	446.2	735.0	4.9	41.9	1765.1
62 63	160.0 160.0	160.0 160.0	3.9 3.9	480.0 480.0	3.0	197400.0 197400.0	414.5 414.5	704.4 704.4	4.6 4.6	37.8 37.8	2007.1 1947.0
64	160.0	160.0	4.8	480.0	3.0	197400.0	414.5	704.4	6.7	37.8	2215.0
	100.0	100.0	7.0	→50.0	J.0	15,500.0	1 731.3	, , , , , , ,		37.0	

65	160.0	160.0	4.8	480.0	3.0	197900.0	431.9	715.4	6.7	37.8	2196.8
66	100.0	100.0	2.0	300.0	3.0	202500.0	385.0	481.0	12.4	30.0	534.0
67	100.0	100.0	2.0	300.0	3.0	202500.0	385.0	481.0	12.4	53.0	687.0
68	100.0	100.0	2.0	300.0	3.0	202500.0	385.0	481.0	12.4	74.0	836.0
69	100.0	100.0	5.0	300.0	3.0	180000.0	458.0	632.0	3.7	30.0	1410.0
70 71	100.0	100.0 100.0	5.0 5.0	300.0 300.0	3.0	180000.0 180000.0	458.0 458.0	632.0 632.0	3.7 3.7	53.0 74.0	1488.0 1559.0
72	150.0	150.0	6.0	300.0	2.0	194000.0	497.0	762.0	3.0	46.6	2768.0
73	150.0	150.0	6.0	300.0	2.0	194000.0	497.0	762.0	3.0	61.9	2972.0
74	150.0	150.0	6.0	300.0	2.0	194000.0	497.0	762.0	3.0	83.5	3020.0
75	150.0	150.0	3.0	300.0	2.0	189000.0	448.0	699.0	4.0	46.6	1382.0
76	150.0	150.0	3.0	300.0	2.0	189000.0	448.0	699.0	4.0	61.9	1620.0
77	150.0	150.0	3.0	300.0	2.0	189000.0	448.0	699.0	4.0	83.5	1851.0
78	200.0	200.0	4.0	300.0	1.5	200000.0	503.0	961.0	4.0	46.6	1627.0
79	200.0	200.0	4.0	300.0	1.5	200000.0	503.0	961.0	4.0	83.5	2180.0
80	160.0	160.0	3.0	300.0	1.9	208000.0	536.0	766.0	5.0	46.6	882.0
81	160.0	160.0	3.0	300.0	1.9	208000.0	536.0	766.0	5.0	61.9	1015.0
82	160.0	160.0	3.0	300.0	1.9	208000.0	536.0	766.0	5.0	83.5	1280.0
83	140.0	140.0	3.0	300.0	2.1	212000.0	486.0	736.0	6.0	46.6	1049.0
84	140.0	140.0	3.0	300.0	2.1	212000.0	486.0	736.0	6.0	61.9	1097.0
85	140.0	140.0	3.0	300.0	2.1	212000.0	486.0	736.0	6.0	83.5	1259.0
86 87	120.0 120.0	120.0 120.0	1.8 1.8	360.0 360.0	3.0 3.0	185000.0 185000.0	286.7 286.7	789.6 789.6	6.7 6.7	50.7 47.8	923.4 871.5
88	120.0	120.0	1.8	360.0	3.0	185000.0	286.7	789.6 789.6	6.7	47.8	8/1.5 848.5
88	120.0	120.0	1.8	360.0	3.0	185000.0	286.7	789.6 789.6	6.7	45.8	848.5
90	120.0	120.0	1.8	360.0	3.0	185000.0	286.7	789.6	6.7	46.9	857.1
91	120.0	120.0	1.8	360.0	3.0	185000.0	286.7	789.6	6.7	45.0	826.9
92	120.0	120.0	1.8	360.0	3.0	185000.0	286.7	789.6	6.7	44.2	831.1
93	200.7	97.1	4.0	600.0	3.0	207500.0	301.5	671.1	10.0	41.2	1422.9
94	200.2	98.5	4.0	600.0	3.0	207500.0	301.5	671.1	10.0	41.7	1350.2
95	200.7	97.9	4.0	600.0	3.0	207500.0	301.5	671.1	10.0	41.0	1388.7
96	200.2	98.9	4.0	600.0	3.0	207500.0	301.5	671.1	10.0	37.8	1291.8
97	150.5	150.5	5.8	450.0	3.0	194000.0	497.0	761.0	3.0	46.6	2768.1
98	150.6	150.6	5.8	450.0	3.0	194000.0	497.0	761.0	3.0	61.9	2972.0
99	150.5	150.5	5.8	450.0	3.0	194000.0	497.0	761.0	3.0	83.5	3019.9
100	150.5	150.5	2.8	450.0	3.0	189000.0	448.0	699.0	4.0	46.6	1381.5
101	150.5	150.5	2.8	450.0	3.0	189000.0	448.0	699.0	4.0	61.9	1620.0
102	150.6	150.6	2.8	450.0	3.0	189000.0	448.0	699.0	4.0	83.5	1851.3
103	197.1 197.6	109.5 109.6	4.1 4.0	600.0 600.0	3.0 3.0	200000.0 200000.0	503.0 503.0	961.0 961.0	4.0 4.0	46.6 83.5	1627.2 2180.0
104 105	160.5	81.3	2.9	480.0	3.0	208000.0	536.0	766.0	5.0	46.6	881.5
105	160.7	80.7	2.9	480.0	3.0	208000.0	536.0	766.0	5.0	61.9	1014.5
107	160.6	80.4	2.9	480.0	3.0	208000.0	536.0	766.0	5.0	83.5	1280.1
108	140.2	80.1	3.1	420.0	3.0	212000.0	486.0	736.0	6.0	46.6	1048.7
109	140.2	80.1	3.1	420.0	3.0	212000.0	486.0	736.0	6.0	61.9	1096.9
110	140.3	80.0	3.1	420.0	3.0	212000.0	486.0	736.0	6.0	83.5	1258.8
111	63.5	63.5	1.5	190.5	3.0	198000.0	470.0	735.4	3.5	30.0	276.0
112	63.5	63.5	1.5	190.5	3.0	198000.0	470.0	735.4	3.5	40.0	293.0
113	76.2	50.8	1.5	228.6	3.0	198000.0	470.0	735.4	3.5	30.0	242.0
114	76.2	50.8	1.5	228.6	3.0	198000.0	470.0	735.4	3.5	40.0	266.0
115	76.2	76.2	1.5	228.6	3.0	198000.0	470.0	735.4	3.5	30.0	391.0
116	76.2	76.2	1.5	228.6	3.0	198000.0	470.0	735.4	3.5	40.0	413.0
117	101.6	50.8	1.5	304.8	3.0	198000.0	470.0	735.4	3.5	30.0	330.0
118 119	101.6 51.0	50.8 51.0	1.5 2.9	304.8 150.0	3.0 2.9	198000.0 207900.0	470.0 440.0	735.4 743.8	3.5 8.2	40.0 21.5	359.0 363.0
120	101.0	101.0	5.1	300.0	3.0	207900.0	435.0	743.8	7.0	21.5	1360.0
121	101.0	101.0	2.9	300.0	3.0	195700.0	358.0	664.9	8.3	34.9	763.0
122	152.0	152.0	2.9	450.0	3.0	192600.0	268.0	585.9	6.8	34.9	1178.0
123	150.5	150.5	5.8	450.0	3.0	194000.0	497.0	737.5	3.0	46.6	2745.0
124	100.0	100.0	4.9	300.0	3.0	180000.0	458.0	682.8	3.7	53.0	1565.0
125	60.0	60.0	1.0	180.0	3.0	200000.0	258.0	409.0	10.0	22.7	114.0
126	60.0	60.0	1.0	210.0	3.5	200000.0	258.0	409.0	10.0	22.7	131.0
127	60.0	60.0	1.0	240.0	4.0	200000.0	258.0	409.0	10.0	22.7	126.0
128	80.0	80.0	1.0	240.0	3.0	200000.0	258.0	409.0	10.0	22.7	190.0
129	80.0	80.0	1.0	280.0	3.5	200000.0	258.0	409.0	10.0	22.7	182.0
130	80.0	80.0	1.0	320.0	4.0	200000.0	258.0	409.0	10.0	22.7	166.0
131	100.0	100.0	1.0	300.0	3.0	200000.0	258.0	409.0	10.0	22.7	258.0
132	100.0	100.0	1.0	350.0	3.5	200000.0	258.0	409.0	10.0	22.7	237.0
133	100.0	100.0	1.0	400.0	4.0	200000.0	258.0	409.0	10.0	22.7	233.0
134	60.0	60.0	1.0	180.0	3.0	200000.0	258.0	409.0	10.0	29.4	142.0
135	60.0	60.0	1.0	210.0	3.5	200000.0	258.0	409.0	10.0	29.4	107.0

197 80.0 80.0 1.0 280.0 3.0 2000000 258.0 409.0 10.0 294 320.0 10.8 80.0 80.0 1.0 224.0 2000000 258.0 409.0 10.0 234.0 2010 10.0 200.0 200.0 200.0 200.0 200.0 200.0 10.0 224.0 2010 200.0 200.0 200.0 200.0 200.0 10.0 224.0 2010 200.0												
198 80.0 80.0 1.0 220.0 3.5 2000000 258.0 400.0 10.0 224 221.0 10.9 80.0 10.0 224 221.0 10.9 10.0	136	60.0	60.0	1.0	240.0	4.0	200000.0	258.0	409.0	10.0	29.4	117.0
198 88.0 89.0 1.0 330.0 4.0 2000000 258.0 469.0 100 29.4 221.0	_											
100												
191 100.0 100.0 100.0 380.0 35.0 20000.0 286.0 409.0 100.0 224 252.0 152 142 401.1 39.9 38 178.5 45.5 20000.0 479.0 479.0 60.0 426 481.0 441.1 39.9 31.8 179.5 45.5 20000.0 479.0 479.0 60.0 60.0 426 511.8 144 401.1 39.9 31.8 179.5 45.5 20000.0 479.0 479.0 60.0 60.0 50.0 511.8 185 401.1 39.9 31.8 179.1 41.5 20000.0 479.0 492.0 60.0 140.0 511.8 185 401.1 39.9 31.8 179.1 41.5 20000.0 479.0 492.0 60.0 140.0 511.8 185 401.1 39.9 31.8 38.1 179.1 41.5 20000.0 479.0 492.0 60.0 141.6 589.1 41.6												
192 193 38 1789 4.5 2000000 479.0 492.0 6.0 42.6 477.5 144 40.1 59.8 3.8 179.5 4.5 20000000 479.0 492.0 6.0 42.6 481.0 145 40.1 59.8 3.8 179.5 4.5 20000000 479.0 492.0 6.0 80.8 146 40.1 59.8 3.8 179.5 4.5 20000000 479.0 492.0 6.0 80.8 147 60.1 60.2 2.8 179.7 3.0 21000000 449.0 461.0 6.0 42.5 484.2 147 60.1 60.2 2.8 179.7 3.0 21000000 449.0 461.0 6.0 40.5 148 60.1 60.1 80.1 2.8 179.2 3.0 21000000 449.0 461.0 6.0 40.5 149 60.1 60.1 80.1 2.8 179.2 3.0 21000000 449.0 461.0 6.0 80.9 149 80.1 80.1 80.1 80.1 80.1 80.1 80.1 149 80.1 80.1 80.1 80.1 80.1 80.1 80.1 149 80.1 80.1 80.1 80.1 80.1 80.1 80.1 150 59.9 80.2 3.7 240.0 40 21000000 451.0 464.0 7.0 816.5 876.6 151 80.1 80.1 80.1 80.1 80.1 80.1 80.1 152 59.9 80.2 3.7 240.0 40 21000000 451.0 464.0 7.0 816.6 876.6 153 40.2 99.7 19 2309.0 7.5 2000000 420.0 452.0 80.0 42.6 398.3 154 40.2 99.7 19 300.0 7.5 2000000 420.0 452.0 80.0 42.6 398.3 154 40.2 99.7 19 300.0 7.5 2000000 420.0 452.0 80.0 42.6 398.3 156 79.9 129.0 28.3 539.9 4.5 2000000 381.0 441.0 80.0 52.6 570.8 157 79.9 120.0 2.8 539.9 4.5 2000000 381.0 441.0 80.0 53.6 158 80.0 120.0 5.0 580.0 6.0 2000000 581.0 77.9 50.0 53.2 172.0 158 80.0 120.0 5.0 580.0 6.0 2000000 581.0 77.9 50.0 53.2 172.0 158 80.0 120.0 5.0 380.0 6.0 2000000 581.0 77.9 5.0 35.2 172.0 159 140.0 120.0 100.0 3.0 400.0 40.0 3.0 2000000 581.0 77.9 5.0 35.2 172.0 159 140.0 120.0 100.0 3.0 400.0 40.0 2000000 581.0 77.0 50.0 43.2 172.0 159 140.0 120.0 100.0 3.0												
143 401 59.8 3.8 179.5 4.5 206000.0 479.0 472.0 6.0 42.6 531.8 144 401 59.9 3.8 179.5 4.5 206000.0 479.0 479.0 60.0 80.0 531.8 145 401 59.8 3.8 179.1 4.5 206000.0 479.0 479.0 60.0 60.0 314.6 535.1 40.0 60.0 40.0 60.0 40.0 60.0 40.0 60.0 40.0 60.0 40.0 60.0 40.0 60.0 40.0 60.0 40.0 60.0 40.0 60.0 40.0 60.0 40.0 60.0 40.0 60.0 40.0 60.0 40.0 60.0 40.0 60.0 40												
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151 59.8 80.2 3.7 240.0 4.0 210000.0 451.0 464.0 7.0 114.6 999.6 152 599.9 80.2 3.7 2401. 4.0 210000.0 451.0 464.0 7.0 114.6 999.6 153 40.2 99.7 1.9 299.9 7.5 20000.0 420.0 420.0 8.0 42.6 398.3 154 40.2 99.7 1.9 300.0 7.5 20000.0 420.0 420.0 8.0 42.6 398.3 155 40.2 99.7 1.9 300.0 7.5 20000.0 420.0 420.0 8.0 42.6 876.1 155 40.2 99.7 1.9 300.0 7.5 20000.0 420.0 420.0 8.0 114.6 674.1 156 79.9 119.0 2.8 359.8 4.5 20000.0 381.0 443.0 8.0 42.6 870.8 157 77.9 120.0 2.8 359.9 4.5 20000.0 381.0 443.0 8.0 80.9 125.5 157 77.9 120.0 2.8 359.9 4.5 20000.0 381.0 443.0 8.0 80.9 125.5 159 60.0 120.0 4.0 360.0 6.0 19500.0 388.0 757.3 5.0 35.2 1261.0 159 60.0 120.0 4.0 360.0 6.0 19500.0 588.0 757.3 5.0 35.2 1261.0 159 60.0 120.0 4.0 360.0 6.0 25000.0 588.0 757.3 5.0 35.2 1261.0 161 80.0 120.0 4.0 360.0 4.5 19600.0 558.0 779.2 5.0 35.2 1362.0 163 120 120.0 4.0 360.0 4.5 19600.0 558.0 779.2 5.0 35.2 1362.0 163 120 120.0 4.0 360.0 3.0 203000.0 558.0 779.2 5.0 35.2 1272.0 163 120 120.0 5.0 360.0 3.0 203000.0 578.0 779.2 5.0 35.2 2275.0 165 120.0 120.0 5.0 360.0 3.0 203000.0 578.0 789.3 5.0 35.2 2275.0 165 120.0 120.0 3.0 400.0 3.0 400.0 3.0 203000.0 578.0 789.3 5.0 35.2 2275.0 165 120.0 120.0 3.0 400.0 3.0 203000.0 578.0 789.3 5.0 35.2 2275.0 165 120.0 120.0 3.0 400.0 3.0 203000.0 578.0 360.5 35.2 2275.0 35.2 2275.0 35.2 2275.0 35.2 2275.0 35.2 2275.0 35.2 2275.0 35.2 2275.0 35.2 2275.0 35.2 2275.0 35.2 2275.0 35.2 2275.0 35.2 2275.0 35.2 2275.0 35.2 2275.0 35.2 2275.0 35.2 2275.0 35.2 2275.0 35	149	59.9				4.0	210000.0	451.0	464.0	7.0	42.6	
185	150											
153	151	59.8	80.2	3.7	240.0	4.0	210000.0	451.0		7.0	114.6	999.6
194 40.2 99.7 1.9 300.0 7.5 200000.0 420.0 452.0 8.0 80.9 534.6 195.6 40.2 99.7 1.9 300.0 7.5 200000.0 420.0 452.0 8.0 114.6 674.1 156.1 77.9 119.9 2.8 359.8 4.5 200000.0 381.0 443.0 8.0 42.6 870.8 115.7 79.9 120.0 2.8 359.8 4.5 200000.0 381.0 443.0 8.0 80.9 1255.2 158.1 79.9 120.0 2.8 359.9 4.5 200000.0 381.0 443.0 8.0 80.9 1255.2 158.1 159.6 60.0 120.0 4.0 360.0 6.0 195000.0 581.0 787.9 4.0 352.2 1561.0 150.0 60.0 120.0 5.0 360.0 6.0 200000.0 581.0 787.9 4.0 352.2 1562.0 161.8 80.0 120.0 4.0 360.0 4.5 195000.0 581.0 787.9 4.0 352.2 1562.0 162.8 163.0	152	59.9	80.2	3.7	240.1	4.0	210000.0	451.0	464.0	7.0	114.6	976.6
165	153		99.7		299.9	7.5	200000.0	420.0	452.0	8.0	42.6	398.3
1966 79.9 119.9 2.8 359.8 4.5 200000.0 381.0 443.0 8.0 42.6 870.8	154	40.2	99.7	1.9	300.0	7.5	200000.0	420.0	452.0	8.0	80.9	534.6
157 79.9 120.0 2.8 359.9 4.5 200000.0 381.0 443.0 8.0 80.9 1255.2 158.0 79.9 120.0 2.8 359.9 4.5 200000.0 381.0 443.0 8.0 80.9 1255.2 158.0 159.0 60.0 120.0 4.0 360.0 6.0 195000.0 581.0 787.9 4.0 35.2 1261.0 159.0 60.0 120.0 4.0 360.0 6.0 200000.0 581.0 787.9 4.0 35.2 1261.0 159.0 60.0 120.0 4.0 360.0 4.5 196000.0 516.0 751.0 5.0 35.2 1362.0 159.0 60.0 120.0 5.0 360.0 4.5 200000.0 558.0 792.0 5.0 35.2 1362.0 159.0 159.0 120.0 120.0 5.0 360.0 3.0 203000.0 578.0 793.9 5.0 35.2 1362.0 159.0 159.0 120.0 120.0 5.0 360.0 3.0 203000.0 578.0 793.9 5.0 35.2 2275.0 35.2 1362.0 159.0 120.0 120.0 5.0 360.0 3.0 203000.0 578.0 793.9 5.0 35.2 2275.0 35.2 1275.0 35.2 2275.0 35.2	155	40.2	99.7		300.0	7.5	200000.0	420.0	452.0	8.0	114.6	674.1
188	156	79.9	119.9	2.8	359.8	4.5	200000.0	381.0	443.0	8.0	42.6	870.8
199 600 1200 4.0 360.0 6.0 199000.0 538.0 757.3 5.0 35.2 1261.0 160 600 120.0 5.0 360.0 6.0 200000.0 581.0 787.3 4.0 35.2 1632.0 1632	157											
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181 80.0 120.0 4.0 360.0 4.5 196000.0 516.0 751.0 5.0 35.2 1352.0 160 280.0 120.0 5.0 360.0 4.5 200000.0 558.0 779.2 5.0 35.2 1352.0 161 120.0 120.0 4.0 360.0 3.0 203000.0 549.0 783.9 5.0 35.2 1351.0 164 120.0 120.0 5.0 360.0 3.0 203000.0 570.0 795.3 5.0 35.2 2275.0 165 120.0 120.0 6.0 360.0 3.0 203000.0 570.0 795.3 5.0 35.2 2284.0 166 120.0 120.0 3.0 400.0 4.0 222000.0 266.0 615.0 7.4 37.0 698.0 167 250.0 250.0 3.0 850.0 3.4 202000.0 266.0 615.0 7.4 37.0 698.0 168 100.0 100.0 3.0 400.0 4.0 222000.0 266.0 615.0 7.4 37.0 698.0 168 100.0 100.0 3.0 400.0 4.0 199000.0 511.0 716.0 7.5 37.0 1038.9 179 120.0 120.0 3.8 360.0 3.4 199000.0 511.0 776.0 7.5 37.0 1038.9 179 120.0 120.0 3.8 360.0 3.0 200000.0 581.0 747.0 6.0 43.8 1586.0 177 120.0 120.0 3.8 360.0 3.0 200000.0 581.0 747.0 6.0 43.8 1586.0 173 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 43.8 1586.0 173 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 43.8 1598.0 173 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 43.8 1598.0 173 140.0 140.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 2159.0 175 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 2159.0 175 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 2159.0 175 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 2159.0 175 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 2159.0 175	159	60.0	120.0	4.0	360.0	6.0	195000.0	538.0	757.3	5.0	35.2	1261.0
162 80.0 120.0 5.0 360.0 4.5 200000.0 558.0 779.2 5.0 35.2 1732.0 163 120.0 120.0 5.0 360.0 3.0 203000.0 578.0 779.2 5.0 35.2 1815.0 164 120.0 120.0 5.0 360.0 3.0 203000.0 578.0 795.3 5.0 35.2 2275.0 165 120.0 120.0 5.0 360.0 3.0 203000.0 578.0 795.3 5.0 35.2 2275.0 166 120.0 120.0 5.0 360.0 3.0 203000.0 578.0 802.7 5.0 35.2 2275.0 166 120.0 120.0 3.0 400.0 4.0 202000.0 266.0 615.0 7.4 37.0 698.0 167 250.0 250.0 3.0 850.0 3.4 202000.0 266.0 615.0 7.4 37.0 6788.0 168 100.0 100.0 3.0 400.0 4.0 202000.0 266.0 615.0 7.4 37.0 12795.0 169 250.0 250.0 3.0 850.0 3.4 199000.0 511.0 716.0 7.5 37.0 1386.3 170 120.0 120.0 3.8 360.0 3.0 200000.0 581.0 747.0 6.0 43.8 1568.0 171 120.0 120.0 3.8 360.0 3.0 200000.0 581.0 747.0 6.0 43.8 1598.0 172 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 43.8 1598.0 173 140.0 140.0 3.8 430.0 3.0 200000.0 581.0 747.0 6.0 43.8 1259.0 175 160.0 150.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 1259.0 176 120.0 120.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 1259.0 176 120.0 120.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 1259.0 176 120.0 120.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 1259.0 177 120.0 120.0 5.9 360.0 3.0 199420.0 535.0 724.0 5.5 43.8 2159.0 178 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 2159.0 179 140.0 140.0 5.9 480.0 3.0 199420.0 535.0 724.0 5.5 43.8 2159.0 179 140.0 140.0 5.9 480.0 3.0 199420.0 535.0 724.0 5.5 43.8 2159.0 180 160.0 160.0 5.9 480.0 3.0 199420.0 535.0 724.0 5.5 43.8 2159.0	160	60.0	120.0	5.0	360.0	6.0	200000.0	581.0	787.9	4.0	35.2	1632.0
180 120.0	161	80.0	120.0	4.0	360.0	4.5	196000.0	516.0	751.0	5.0	35.2	1362.0
194 120.0 120.0 5.0 380.0 3.0 203000.0 578.0 795.3 5.0 35.2 2275.0 106 120.0 120.0 6.0 380.0 3.0 203000.0 598.0 802.7 5.0 35.2 22854.0 106 120.0 120.0 120.0 3.0 400.0 4.0 202000.0 266.0 615.0 7.4 37.0 698.0 107 250.0 250.0 3.0 850.0 3.4 202000.0 266.0 615.0 7.4 37.0 6798.0 107 250.0 250.0 3.0 850.0 3.4 202000.0 266.0 615.0 7.4 37.0 1098.0 109 250.0 250.0 3.0 850.0 3.4 202000.0 266.0 615.0 7.4 37.0 1098.0 109 250.0 250.0 3.0 850.0 3.4 199900.0 511.0 716.0 7.5 37.0 1038.9 109 250.0 250.0 3.0 850.0 3.4 199900.0 511.0 716.0 7.5 37.0 3186.3 3170 120.0 3.8 360.0 3.0 20000.0 581.0 747.0 6.0 43.8 1568.0 171 120.0 120.0 3.8 360.0 3.0 200000.0 581.0 747.0 6.0 43.8 1598.0 172 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 43.8 1598.0 173 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 43.8 1598.0 175 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 2155.0 176 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 2155.0 176 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 2155.0 176 200.0 200.0 3.8 600.0 3.0 200000.0 581.0 747.0 6.0 43.8 2155.0 176 200.0 200.0 3.8 600.0 3.0 199420.0 535.0 724.0 5.5 43.8 2079.0 179 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 43.8 2079.0 179 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 43.8 2079.0 181 120.0 120.0 7.8 360.0 3.0 199420.0 535.0 724.0 5.5 43.8 2272.0 181 120.0 120.0 7.8 360.0 3.0 199420.0 535.0 724.0 5.5 43.8 2272.0 181 120.0 120.0 7.8 360.0 3.0 199420.0 535.0 724.0 5.5 43.8 2272.0 181 140.0 140.0 7.8 420.0 3.0	162	80.0	120.0	5.0	360.0	4.5	200000.0	558.0	779.2	5.0	35.2	1732.0
168	163	120.0	120.0	4.0	360.0	3.0	203000.0	549.0	783.9	5.0	35.2	1815.0
166	164	120.0	120.0	5.0	360.0	3.0	203000.0	578.0	795.3	5.0	35.2	2275.0
167 250.0 250.0 3.0 850.0 3.4 202000.0 266.0 615.0 7.4 37.0 2709.0 168 100.0 100.0 3.0 400.0 4.0 199000.0 511.0 716.0 7.5 37.0 1038.9 169 250.0 250.0 3.0 850.0 3.4 199000.0 511.0 716.0 7.5 37.0 3186.3 170 120.0 120.0 3.8 360.0 3.0 200000.0 581.0 747.0 6.0 43.8 1598.0 171 120.0 120.0 3.8 360.0 3.0 200000.0 581.0 747.0 6.0 43.8 1598.0 172 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 43.8 1598.0 173 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 43.8 1598.0 174 160.0 160.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 43.8 2195.0 175 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 2195.0 176 200.0 200.0 3.8 600.0 3.0 200000.0 581.0 747.0 6.0 43.8 2195.0 177 120.0 120.0 5.9 360.0 3.0 199420.0 535.0 740.0 5.5 33.8 2151.0 178 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 33.8 2151.0 179 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 33.8 2151.0 180 160.0 160.0 5.9 480.0 3.0 199420.0 535.0 724.0 5.5 33.9 2151.0 181 120.0 120.0 7.8 360.0 3.0 199420.0 535.0 724.0 5.5 33.9 2151.0 181 120.0 120.0 7.8 360.0 3.0 199420.0 535.0 724.0 5.5 33.9 2151.0 181 120.0 120.0 7.8 360.0 3.0 199420.0 535.0 724.0 5.5 33.9 2351.0 182 120.0 120.0 7.8 360.0 3.0 199420.0 535.0 724.0 5.5 33.9 2351.0 183 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 2823.0 184 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 3601.0 185 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3361.0 186 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3361.0	165	120.0	120.0	6.0	360.0	3.0	203000.0	598.0	802.7	5.0	35.2	2854.0
188 100.0 100.0 3.0 400.0 4.0 19900.0 511.0 716.0 7.5 37.0 1038.9 170 120.0 120.0 3.8 360.0 3.4 19900.0 511.0 716.0 7.5 37.0 3186.3 170 120.0 120.0 3.8 360.0 3.0 200000.0 581.0 747.0 6.0 43.8 1598.0 171 120.0 120.0 3.8 360.0 3.0 200000.0 581.0 747.0 6.0 43.8 1598.0 171 120.0 120.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 43.8 1598.0 1732.0 173 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 38.9 1732.3 173 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 38.9 1732.3 174 180.0 180.0 180.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 2195.0 175 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 2195.0 175 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 2195.0 176 200.0 200.0 3.8 600.0 3.0 200000.0 581.0 747.0 6.0 44.7 2981.0 177 120.0 120.0 5.9 360.0 3.0 199420.0 535.0 724.0 5.5 43.8 2079.0 178 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 38.9 2151.0 179 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 38.9 2352.0 180 160.0 160.0 5.9 480.0 3.0 199420.0 535.0 724.0 5.5 38.9 2352.0 180 160.0 160.0 7.8 360.0 3.0 198640.0 542.0 736.0 5.4 43.8 2823.0 183 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 3153.0 184 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 3153.0 184 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 3153.0 184 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 3153.0 186 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3353.0 186 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3353.0 186 160.0 160.0 7.8	166	100.0	100.0	3.0	400.0	4.0	202000.0	266.0	615.0	7.4	37.0	698.0
Fig. 250.0 250.0 3.0 850.0 3.4 19900.0 511.0 716.0 7.5 37.0 3186.3 170 120.0 120.0 3.8 360.0 3.0 200000.0 581.0 747.0 6.0 43.8 1568.0 171 120.0 120.0 3.8 360.0 3.0 200000.0 581.0 747.0 6.0 43.8 1568.0 172 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 43.8 1598.0 1723.0 173 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 6.0 38.9 1732.0 173 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 38.9 1732.0 174 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 2195.0 175 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 2195.0 176 200.0 200.0 3.8 600.0 3.0 200000.0 581.0 747.0 6.0 43.8 2195.0 176 200.0 200.0 3.8 600.0 3.0 200000.0 581.0 747.0 6.0 44.7 2981.0 177 120.0 120.0 5.9 360.0 3.0 199420.0 535.0 724.0 5.5 38.9 2151.0 178 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 38.9 2352.0 180 160.0 160.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 38.9 2352.0 180 160.0 160.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 38.9 2352.0 180 160.0 160.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 38.9 2352.0 180 160.0 160.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 38.9 2352.0 180 160.0 160.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 38.9 2352.0 180 160.0 160.0 7.8 360.0 3.0 198640.0 542.0 736.0 5.4 43.8 2823.0 182 120.0 120.0 7.8 360.0 3.0 198640.0 542.0 736.0 5.4 43.8 2611.0 183 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 3611.0 186 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3361.0 186 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3361.0 186 160.0 160.0 7.8	167	250.0	250.0	3.0	850.0	3.4	202000.0	266.0	615.0	7.4	37.0	2709.0
170	168	100.0	100.0	3.0	400.0	4.0	199000.0	511.0	716.0	7.5	37.0	1038.9
171 120.0 120.0 3.8 360.0 3.0 200000.0 581.0 747.0 6.0 43.8 1598.0 172 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 38.9 1732.0 173 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 38.9 1732.0 174 150.0 150.0 150.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 2195.0 175 150.0 150.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 2195.0 176 200.0 200.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 2195.0 176 200.0 200.0 3.8 600.0 3.0 200000.0 581.0 747.0 6.0 44.7 2981.0 177 120.0 120.0 5.9 360.0 3.0 199420.0 535.0 724.0 5.5 43.8 2079.0 178 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 38.9 2151.0 179 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 38.9 2151.0 180 160.0 160.0 5.9 480.0 3.0 199420.0 535.0 724.0 5.5 38.9 2252.0 180 160.0 160.0 5.9 480.0 3.0 199420.0 535.0 724.0 5.5 44.7 2809.0 181 120.0 120.0 7.8 360.0 3.0 198640.0 542.0 736.0 5.4 43.8 2813.0 183 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 2813.0 184 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 2813.0 184 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 3611.0 183 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 3611.0 185 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3153.0 186 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3864.0 186 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3864.0 186 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3864.0 3.0 198640.0 542.0 736.0 5.4 43.8 3864.0 3.0 198640.0 542.0 736.0 5.4 43.8 3864.0 3.0 186 160	169	250.0	250.0	3.0	850.0	3.4	199000.0	511.0	716.0	7.5	37.0	3186.3
172	170	120.0	120.0	3.8	360.0	3.0	200000.0	581.0	747.0	6.0	43.8	1568.0
173	171	120.0	120.0	3.8	360.0	3.0	200000.0	581.0	747.0	6.0	43.8	1598.0
174 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 2195.0 176 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 2158.0 177 120.0 120.0 5.9 360.0 3.0 200000.0 535.0 724.0 5.5 43.8 2079.0 178 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 43.8 2079.0 178 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 38.9 2151.0 179 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 38.9 2151.0 179 140.0 140.0 5.9 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 2823.0	172	140.0	140.0	3.8	420.0	3.0	200000.0	581.0	747.0	6.0	38.9	1732.0
175 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 43.8 2158.0 176 200.0 200.0 3.8 600.0 3.0 200000.0 581.0 747.0 6.0 44.7 2981.0 177 120.0 120.0 5.9 360.0 3.0 199420.0 535.0 724.0 5.5 43.8 2079.0 179 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 38.9 2151.0 179 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 38.9 2151.0 180 160.0 160.0 5.9 480.0 3.0 1998420.0 535.0 724.0 5.5 48.8 2823.0 181 120.0 7.8 360.0 3.0 198640.0 542.0 736.0 5.4 43.8 2611.0 182	173	140.0	140.0	3.8	420.0	3.0	200000.0	581.0	747.0	6.0	38.9	1723.0
176 200.0 200.0 3.8 600.0 3.0 200000.0 581.0 747.0 6.0 44.7 2981.0 177 120.0 120.0 5.9 360.0 3.0 199420.0 535.0 724.0 5.5 43.8 2079.0 178 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 38.9 2151.0 179 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 38.9 2151.0 180 160.0 160.0 5.9 480.0 3.0 199420.0 535.0 724.0 5.5 38.9 2352.0 180 160.0 160.0 5.9 480.0 3.0 199420.0 535.0 724.0 5.5 44.7 2809.0 181 120.0 120.0 7.8 360.0 3.0 198640.0 542.0 736.0 5.4 43.8 2823.0 182 120.0 120.0 7.8 360.0 3.0 198640.0 542.0 736.0 5.4 43.8 2823.0 183 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 3153.0 184 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 3153.0 185 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3061.0 185 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3061.0 185 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3772.0 187 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 52.4 2174.0 188 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 52.4 2174.0 189 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 52.4 2174.0 199 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 52.4 2446.0 199 180.0 180.0 3.8 540.0 3.0 200000.0 581.0 747.0 6.0 52.4 2446.0 199 180.0 180.0 3.8 540.0 3.0 200000.0 581.0 747.0 6.0 52.4 2446.0 199 180.0 180.0 3.8 540.0 3.0 199420.0 535.0 724.0 5.5 54.8 2622.0 199 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 54.8 2622.0 199 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 54.8 2622.0 199 140.0 140.0 7.8 420.0 3.0	174	160.0	160.0	3.8	480.0	3.0	200000.0	581.0	747.0	6.0	43.8	2195.0
177 120.0 120.0 5.9 360.0 3.0 199420.0 535.0 724.0 5.5 43.8 2079.0 178 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 38.9 2151.0 179 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 38.9 2252.0 180 160.0 160.0 5.9 480.0 3.0 199420.0 535.0 724.0 5.5 44.7 2809.0 181 120.0 120.0 7.8 360.0 3.0 198640.0 542.0 736.0 5.4 43.8 2823.0 182 120.0 120.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 2621.0 182 120.0 120.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 3061.0	175	160.0	160.0	3.8	480.0	3.0	200000.0	581.0	747.0	6.0	43.8	2158.0
178 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 38.9 2151.0 179 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 38.9 2352.0 180 160.0 160.0 5.9 480.0 3.0 199420.0 535.0 724.0 5.5 34.4 72809.0 181 120.0 120.0 7.8 360.0 3.0 198640.0 542.0 736.0 5.4 43.8 2823.0 182 120.0 120.0 7.8 360.0 3.0 198640.0 542.0 736.0 5.4 43.8 2611.0 183 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 3153.0 185 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3772.0	176	200.0	200.0	3.8	600.0	3.0	200000.0	581.0	747.0	6.0	44.7	2981.0
179 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 38.9 2352.0 180 160.0 160.0 5.9 480.0 3.0 199420.0 535.0 724.0 5.5 44.7 2809.0 181 120.0 120.0 7.8 360.0 3.0 198640.0 542.0 736.0 5.4 43.8 2823.0 182 120.0 120.0 7.8 360.0 3.0 198640.0 542.0 736.0 5.4 43.8 2611.0 183 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 3153.0 184 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 3366.0 186 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3366.0	177	120.0	120.0	5.9	360.0	3.0	199420.0	535.0	724.0	5.5	43.8	2079.0
180 160.0 160.0 5.9 480.0 3.0 199420.0 535.0 724.0 5.5 44.7 2809.0 181 120.0 120.0 7.8 360.0 3.0 198640.0 542.0 736.0 5.4 43.8 2823.0 182 120.0 120.0 7.8 360.0 3.0 198640.0 542.0 736.0 5.4 43.8 2823.0 183 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 3153.0 184 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 3061.0 185 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3364.0 186 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 52.4 2174.0	178	140.0	140.0	5.9	420.0	3.0	199420.0	535.0	724.0	5.5	38.9	2151.0
181	179	140.0	140.0	5.9	420.0	3.0	199420.0	535.0	724.0	5.5	38.9	2352.0
182 120.0 120.0 7.8 360.0 3.0 198640.0 542.0 736.0 5.4 43.8 2611.0 183 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 3153.0 185 160.0 160.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 3061.0 186 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3864.0 186 160.0 160.0 7.8 480.0 3.0 200000.0 542.0 736.0 5.4 43.8 3772.0 187 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 52.4 2174.0 189 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 52.4 2759.0	180	160.0	160.0	5.9	480.0	3.0	199420.0	535.0	724.0	5.5	44.7	2809.0
183 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 3153.0 184 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 3061.0 185 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3864.0 186 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3864.0 187 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 52.4 2174.0 188 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 52.4 2174.0 189 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 52.4 2759.0	181	120.0	120.0	7.8	360.0	3.0	198640.0	542.0	736.0	5.4	43.8	2823.0
184 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 43.8 3061.0 185 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3864.0 186 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3772.0 187 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 52.4 2174.0 188 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 52.4 1926.0 189 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 52.4 2759.0 190 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 52.4 2759.0	182	120.0	120.0	7.8	360.0	3.0	198640.0	542.0	736.0	5.4	43.8	2611.0
185 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3864.0 186 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3772.0 187 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 52.4 2174.0 189 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 52.4 2759.0 190 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 52.4 2759.0 190 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 52.4 2759.0 191 180.0 180.0 3.8 540.0 3.0 200000.0 581.0 747.0 6.0 52.4 2872.0												
185 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3864.0 186 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 43.8 3772.0 187 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 52.4 2174.0 189 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 52.4 2759.0 190 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 52.4 2759.0 190 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 52.4 2759.0 191 180.0 180.0 3.8 540.0 3.0 200000.0 581.0 747.0 6.0 52.4 2872.0	184	140.0	140.0	7.8	420.0	3.0	198640.0	542.0	736.0	5.4	43.8	3061.0
187 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 52.4 2174.0 188 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 52.4 1926.0 189 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 52.4 2759.0 190 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 52.4 2759.0 191 180.0 180.0 3.8 540.0 3.0 200000.0 581.0 747.0 6.0 52.4 2446.0 192 180.0 180.0 3.8 540.0 3.0 200000.0 581.0 747.0 6.0 52.4 2872.0 192 180.0 180.0 3.8 540.0 3.0 199420.0 535.0 724.0 5.5 54.8 2622.0	185	160.0	160.0	7.8		3.0	198640.0	542.0	736.0	5.4	43.8	3864.0
188 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 52.4 1926.0 189 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 52.4 2759.0 190 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 52.4 2446.0 191 180.0 180.0 3.8 540.0 3.0 200000.0 581.0 747.0 6.0 52.4 2446.0 192 180.0 180.0 3.8 540.0 3.0 200000.0 581.0 747.0 6.0 52.4 2270.0 192 180.0 180.0 3.8 540.0 3.0 200000.0 581.0 747.0 6.0 52.4 2270.0 193 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 54.8 2622.0	186	160.0	160.0	7.8	480.0	3.0	198640.0	542.0	736.0	5.4	43.8	3772.0
189 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 52.4 2759.0 190 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 52.4 2446.0 191 180.0 180.0 3.8 540.0 3.0 200000.0 581.0 747.0 6.0 52.4 2872.0 192 180.0 180.0 3.8 540.0 3.0 200000.0 581.0 747.0 6.0 52.4 2872.0 193 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 54.8 2622.0 194 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 54.8 2622.0 195 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 52.4 3338.0	187	140.0	140.0	3.8	420.0	3.0	200000.0	581.0	747.0	6.0	52.4	2174.0
190 160.0 160.0 3.8 480.0 3.0 200000.0 581.0 747.0 6.0 52.4 2446.0 191 180.0 180.0 3.8 540.0 3.0 200000.0 581.0 747.0 6.0 52.4 2872.0 192 180.0 180.0 3.8 540.0 3.0 200000.0 581.0 747.0 6.0 52.4 2701.0 193 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 54.8 2622.0 194 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 54.8 2622.0 194 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 52.4 3338.0 195 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 52.4 3339.0	188	140.0	140.0	3.8	420.0	3.0	200000.0	581.0	747.0	6.0	52.4	1926.0
191 180.0 180.0 3.8 540.0 3.0 200000.0 581.0 747.0 6.0 52.4 2872.0 192 180.0 180.0 3.8 540.0 3.0 200000.0 581.0 747.0 6.0 52.4 2701.0 193 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 54.8 2622.0 194 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 54.8 2622.0 195 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 52.4 3338.0 196 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 52.4 3338.0 197 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 54.8 3711.0	189	160.0	160.0	3.8	480.0	3.0	200000.0	581.0	747.0	6.0	52.4	2759.0
192 180.0 180.0 3.8 540.0 3.0 200000.0 581.0 747.0 6.0 52.4 2701.0 193 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 54.8 2622.0 194 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 54.8 2709.0 195 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 52.4 3338.0 196 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 52.4 3338.0 197 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 54.8 3560.0 198 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 54.8 3711.0	190	160.0	160.0	3.8	480.0	3.0	200000.0	581.0	747.0	6.0	52.4	2446.0
193 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 54.8 2622.0 194 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 54.8 2709.0 195 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 52.4 3338.0 196 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 52.4 3338.0 197 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 52.4 3339.0 198 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 54.8 3560.0 198 160.0 180.0 7.8 540.0 3.0 198640.0 542.0 736.0 5.4 54.8 3711.0	191	180.0	180.0	3.8	540.0	3.0	200000.0	581.0	747.0	6.0	52.4	2872.0
194 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 54.8 2709.0 195 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 52.4 3338.0 196 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 52.4 3339.0 197 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 54.8 3560.0 198 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 54.8 3711.0 199 180.0 180.0 7.8 540.0 3.0 198640.0 542.0 736.0 5.4 52.4 4296.0 200 180.0 180.0 7.8 540.0 3.0 198640.0 542.0 736.0 5.4 52.4 4296.0	192	180.0	180.0	3.8	540.0	3.0	200000.0	581.0	747.0	6.0	52.4	2701.0
194 140.0 140.0 5.9 420.0 3.0 199420.0 535.0 724.0 5.5 54.8 2709.0 195 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 52.4 3338.0 196 140.0 140.0 7.8 420.0 3.0 198640.0 542.0 736.0 5.4 52.4 3339.0 197 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 54.8 3560.0 198 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 54.8 3711.0 199 180.0 180.0 7.8 540.0 3.0 198640.0 542.0 736.0 5.4 52.4 4296.0 200 180.0 180.0 7.8 540.0 3.0 198640.0 542.0 736.0 5.4 52.4 4296.0												
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197 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 54.8 3560.0 198 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 54.8 3711.0 199 180.0 180.0 7.8 540.0 3.0 198640.0 542.0 736.0 5.4 52.4 4296.0 200 180.0 180.0 7.8 540.0 3.0 198640.0 542.0 736.0 5.4 52.4 4296.0 201 140.0 140.0 11.9 420.0 3.0 198640.0 535.0 732.0 6.1 52.4 5323.0 202 160.0 160.0 11.9 480.0 3.0 196040.0 535.0 732.0 6.1 52.4 5667.0 203 180.0 180.0 11.9 540.0 3.0 196040.0 535.0 732.0 6.1 52.4 5667.0							198640.0					
198 160.0 160.0 7.8 480.0 3.0 198640.0 542.0 736.0 5.4 54.8 3711.0 199 180.0 180.0 7.8 540.0 3.0 198640.0 542.0 736.0 5.4 52.4 4296.0 200 180.0 180.0 7.8 540.0 3.0 198640.0 542.0 736.0 5.4 52.4 4304.0 201 140.0 140.0 11.9 420.0 3.0 196040.0 535.0 732.0 6.1 52.4 5323.0 202 160.0 160.0 11.9 480.0 3.0 196040.0 535.0 732.0 6.1 52.4 5667.0 203 180.0 180.0 11.9 540.0 3.0 196040.0 535.0 732.0 6.1 52.4 5667.0 203 180.0 180.0 3.0 196040.0 535.0 732.0 6.1 52.4 6544.0 204 140.0												
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205 140.0 140.0 3.8 420.0 3.0 200000.0 581.0 747.0 6.0 64.9 1787.0												
	206	200.0	200.0	3.8	600.0	3.0	200000.0	581.0	747.0	6.0	64.9	3120.0

207	250.0	250.0	3.8	750.0	3.0	200000.0	581.0	747.0	6.0	64.9	4484.0
208	140.0	140.0	5.9	420.0	3.0	199420.0	535.0	724.0	5.5	64.9	2669.0
209	160.0	160.0	5.9	480.0	3.0	199420.0	535.0	724.0	5.5	64.9	3181.0
210	140.0	140.0	7.8	420.0	3.0	198640.0	542.0	736.0	5.4	64.9	3337.0
211	140.0	140.0	7.8	420.0	3.0	198640.0	542.0	736.0	5.4	64.9	3351.0

				Database	for Circular CCF	ST Columns				
N	D (mm)	t (mm)	L (mm)	L/D	E _o (MPa)	f _{0.2} (MPa)	f _u (MPa)	n	f' _{c_cyl}	N_Test
1	50.8	1.2	150	2.95	195000	291.0	611.2	7.0	20.0	106.0
2	50.8	1.2	150	2.95	195000	291.0	611.2	7.0	20.0	112.0
3	50.8	1.2	150	2.95	195000	291.0	611.2	7.0	30.0	134.0
4	50.8	1.2	150	2.95	195000	291.0	611.2	7.0	30.0	130.0
5	50.8	1.6	150	2.95	195000	298.0	617.3	7.0	20.0	132.0
6	50.8	1.6	150	2.95	195000	298.0	617.3	7.0	20.0	140.0
7	50.8	1.6	150	2.95	195000	320.0	635.4	7.0	30.0	167.0
8	50.8	1.6	150	2.95	195000	320.0	635.4	7.0	30.0	162.0
9	101.6	1.6	300	2.95	195000	320.0	635.4	7.0	20.0	421.0
10	101.6	1.6	300	2.95	195000	320.0	635.4	7.0	20.0	426.0
11	101.6	1.6	300	2.95	195000	320.0	635.4	7.0	30.0	477.0
12	101.6	1.6	300	2.95	195000	320.0	635.4	7.0	30.0	477.0
13	127.0	1.6	400	3.15	195000	274.0	595.7	7.0	20.0	664.0
14	127.0	1.6	400	3.15	195000	274.0	595.7	7.0	20.0	685.0
15	127.0	1.6	400	3.15	195000	274.0	595.7	7.0	30.0	743.0
16	127.0	1.6	400	3.15	195000	274.0	595.7	7.0	30.0	748.0
17	152.4	1.6	450	2.95	195000	279.0	600.4	7.0	20.0	816.0
18	152.4	1.6	450	2.95	195000	279.0	600.4	7.0	20.0	801.0
19	152.4	1.6	450	2.95	195000	279.0	600.4	7.0	30.0	904.0
20	152.4	1.6	450	2.95	195000	279.0	600.4	7.0	30.0	890.0
21	203.2	2.0	500	2.46	195000	259.0	581.1	7.0	20.0	1390.0
22	203.2	2.0	500	2.46	195000	259.0	581.1	7.0	20.0	1378.0
23	203.2	2.0	500	2.46	195000	259.0	581.1	7.0	30.0	1522.0
24	203.2	2.0	500	2.46	195000	259.0	581.1	7.0	30.0	1550.0
25	127.0	1.6	375	2.95	195000	274.0	595.7	7.0	62.4	284.0
26	127.0	1.6	375	2.95	195000	274.0	595.7	7.0	62.4	1288.0
27	152.4	1.6	450	2.95	195000	279.0	600.4	7.0	62.4	263.0
28	152.4	1.6	450	2.95	195000	279.0	600.4	7.0	62.4	1744.0
29	113.6	2.8	485	4.27	173900	288.6	689.5	7.6	36.3	738.0
30	113.6	2.8	485	4.27	173900	288.6	689.5	7.6	75.4	1137.0
31	101.0	1.5	440	4.36	184200	320.6	708.0	7.2	36.3	501.3
32	101.0	1.5	440	4.36	184200	320.6	708.0	7.2	75.4	819.0
33	72.8	2.8	216	2.97	206000	296.0	715.0	5.5	93.8	561.0
34	73.1	2.8	215	2.94	206000	296.0	715.0	5.5	93.8	554.0
35	73.1	2.8	216	2.95	206000	296.0	715.0	5.5	93.8	596.0
36	72.7	2.8	215	2.96	206000	296.0	715.0	5.5	93.8	485.0
37	72.8	2.8	217	2.98	206000	296.0	715.0	5.5	144.4	739.0
38	72.7	2.8	216	2.97	206000	296.0	715.0	5.5	144.4	792.0
39	72.7	2.8	221	3.04	206000	296.0	715.0	5.5	144.4	624.0
40	72.6	2.8	216	2.98	206000	296.0	715.0	5.5	144.4	501.0
41	89.3	2.8	267	2.99	202000	292.0	727.0	4.1	93.8	924.0
42	88.9	2.8	270	3.04	202000	292.0	727.0	4.1	93.8	836.0
43	88.6	2.8	268	3.02	202000	292.0	727.0	4.1	93.8	763.0
44	88.9	2.8	266	2.99	202000	292.0	727.0	4.1	93.8	656.0
45	89.3	2.8	267	2.99	202000	292.0	727.0	4.1	144.4	1072.0
46	88.9	2.8	270	3.04	202000	292.0	727.0	4.1	144.4	816.0
47	89.3	2.8	270	3.02	202000	292.0	727.0	4.1	144.4	777.0
48	88.9	2.8	268	3.01	202000	292.0	727.0	4.1	144.4	641.0
49	159.0	2.8	480	3.01	195200	383.9	680.9	3.1	35.2	1263.6
50	159.0	2.9	480	3.02	195200	383.9	680.9	3.1	35.2	1322.2
51	159.0	2.9	480	3.02	195200	383.9	680.9	3.1	41.1	1348.7
52	159.0	2.9	480	3.02	195200	383.9	680.9	3.1	41.1	1315.6
53	159.0	3.8	480	3.02	184433	400.7	665.7	5.1	35.2	1626.8
55	133.0	3.0	400	3.02	104433	400.7	005./	3.1	35.2	1020.8

54	159.0	3.8	480	3.02	184433	400.7	665.7	5.1	35.2	1624.0
55	159.0	4.5	480	3.02	177000	401.0	647.7	7.1	35.2	1712.9
56	159.0	4.5	480	3.02	177000	401.0	647.7	7.1	35.2	1630.1
57	159.0	2.9	480	3.02	195200	383.9	680.9	3.1	34.6	1309.5
58	159.0	2.9	480	3.02	195200	383.9	680.9	3.1	34.6	1290.9
59			480					3.1		
	159.0	2.9		3.02	195200	383.9	680.9	3.1	47.0	1513.7
60	159.0	2.9	480	3.02	195200	383.9	680.9		47.0	1551.6
61	159.0	3.8	480	3.02	184433	400.7	665.7	5.1	34.6	1597.6
62	159.0	3.8	480	3.02	184433	400.7	665.7	5.1	34.6	1611.9
63	159.0	4.5	480	3.02	195200	401.0	691.3	7.1	34.6	1725.4
64	159.0	4.5	480	3.02	195200	401.0	691.3	7.1	34.6	1739.2
65	159.0	2.9	480	3.02	195200	383.9	680.9	3.1	33.8	1366.1
66	159.0	2.9	480	3.02	195200	383.9	680.9	3.1	33.8	1333.2
67	159.0	2.9	480	3.02	195200	383.9	680.9	3.1	41.9	1465.9
68	159.0	2.9	480	3.02	195200	383.9	680.9	3.1	41.9	1451.7
69	159.0	3.8	480	3.02	184433	400.7	665.7	5.1	33.8	1642.4
70	159.0	3.8	480	3.02	184433	400.7	665.7	5.1	33.8	1647.8
71	159.0	4.5	480	3.02	177000	401.0	647.7	7.1	33.8	1745.8
72	159.0	4.5	480	3.02	177000	401.0	647.7	7.1	33.8	1715.0
73	72.8	2.9	215	2.95	202000	258.0	729.0	3.8	49.9	415.0
74	72.9	2.8	216	2.96	202000	258.0	729.0	3.8	49.9	450.0
75	72.8	2.8	216	2.97	202000	258.0	729.0	3.8	49.9	377.0
76	73.3	2.8	216	2.95	202000	258.0	729.0	3.8	49.9	294.0
77	73.0	2.8	214	2.93	202000	258.0	729.0	3.8	49.9	396.0
78	73.0	2.8	215	2.95	202000	258.0	729.0	3.8	49.9	343.0
79	73.0	2.8	216	2.96	202000	258.0	729.0	3.8	49.9	252.0
80	72.8	2.8	216	2.97	202000	258.0	729.0	3.8	63.6	487.0
81	73.5	2.8	216	2.94	202000	258.0	729.0	3.8	63.6	487.0
82	73.0	2.8	216	2.96	202000	258.0	729.0	3.8	63.6	434.0
83	73.3	2.8	217	2.96	202000	258.0	729.0	3.8	63.6	339.0
84	72.8	2.8	215	2.95	202000	258.0	729.0	3.8	63.6	426.0
85	72.8	2.9	216	2.97	202000	258.0	729.0	3.8	63.6	403.0
86	72.8	2.8	216	2.97	202000	258.0	729.0	3.8	63.6	282.0
87	89.3	3.1	266	2.98	201000	321.0	673.0	4.9	63.6	750.0
88	89.3	3.2	266	2.98	201000	321.0	673.0	4.9	63.6	828.0
89	89.5	3.1	265	2.96	201000	321.0	673.0	4.9	63.6	726.0
90	89.3	3.1	265	2.97	201000	321.0	673.0	4.9	63.6	536.0
91	73.1	2.8	440	6.02	206000	298.0	725.0	4.3	102.1	567.2
92	73.8	2.8	440	5.96	206000	298.0	725.0	4.3	140.0	749.7
93	89.3	2.8	535	5.99	201000	322.0	653.0	3.8	92.3	812.8
94	89.0	2.8	536	6.02	201000	322.0	653.0	3.8	125.2	963.1
95	104.0	2.0	300	2.88	191900	412.0	631.0	4.3	31.0	699.0
96	104.0	2.0	300	2.88	191900	412.0	631.0	4.3	49.0	901.0
97	104.0	2.0	300	2.88	191900	412.0	631.0	4.3	65.0	1133.0
98	114.3	6.0	300	2.62	183600	266.0	539.0	8.4	31.0	1593.0
99	114.3	6.0	300	2.62	183600	266.0	539.0	8.4	49.0	1648.0
100	114.3	6.0	300	2.62	183600	266.0	539.0	8.4	65.0	1674.0
101	120.0	1.8	360	3	185000	286.7	789.6	6.7	50.7	823.2
102	120.0	1.8	360	3	185000	286.7	789.6	6.7	47.8	813.8
103	120.0	1.8	360	3	185000	286.7	789.6	6.7	45.8	802.2
104	120.0	1.8	360	3	185000	286.7	789.6	6.7	45.5	774.3
105	120.0	1.8	360	3	185000	286.7	789.6	6.7	46.9	806.7
106	120.0	1.8	360	3	185000	286.7	789.6	6.7	45.0	768.4
107	120.0	1.8	360	3	185000	286.7	789.6	6.7	44.2	777.2
108	168.9	2.9	510	3.02	196300	339.6	770.6	8.0	41.2	1707.5
109	168.4	2.9	510	3.03	196300	339.6	770.6	8.0	41.7	1595.1
109	108.4	2.9	210	5.03	190300	0.866	770.0	0.0	41./	1393.1

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112									-		
113 299.0 9.9 888.6 3.01 198350 242.0 634.0 5.8 32.0 5325.3 114 297.6 11.9 902.1 3.03 208420 249.0 603.0 6.3 32.0 6064.6 115 299.0 7.7 900.6 3.01 193250 248.0 633.0 6.4 35.4 4955.5 116 299.0 9.9 899.2 3.01 193350 242.0 634.0 5.8 35.4 5378.7 117 297.7 11.9 900 3.02 208420 249.0 603.0 6.3 35.4 6154.2 118 298.5 7.8 900 3.01 193250 248.0 633.0 6.4 38.2 4640.4 119 298.5 9.9 900.4 3.02 198350 242.0 634.0 5.8 38.2 5444.8 119 298.5 9.9 900.4 3.02 198350 242.0 634.0 5.8 38.2 5444.8 120 298.3 11.9 899.2 3.01 208420 249.0 603.0 6.3 38.2 6224.9 121 323.2 7.9 975 3.02 192330 544.0 725.0 5.7 34.4 10167.4 122 324.0 9.9 973.2 3 201220 542.0 7719.0 6.1 34.4 10167.4 123 323.3 11.9 976.5 3.02 192330 544.0 7725.0 5.7 40.0 10298.8 126 323.2 7.9 975.1 3.02 192330 544.0 7725.0 5.7 40.0 10298.8 126 323.3 3.9 9.9 974.6 3.02 201220 542.0 7719.0 6.1 34.4 10167.4 126 324.5 11.9 974.6 3.1 199540 542.0 774.0 6.2 34.4 1276.2 126 323.0 9.9 974.6 3.1 199540 542.0 774.0 6.2 34.0 12235.3 127 325.0 7.9 975.2 3 192330 544.0 775.0 5.7 40.0 10298.8 128 324.2 9.9 973.4 3 201220 542.0 774.0 6.2 40.0 12235.3 129 324.3 11.9 975.5 3.01 199540 542.0 774.0 6.2 43.0 13115.7 130 101.6 1.5 304.8 3 198000 470.0 7735.4 3.5 40.0 552.0 132 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 36.4 362.8 134 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 36.4 388.0 135 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 36.4 388.1 138 76.3 3.0 228.9 3 202000 258.0 709.0 4.0 85.8 694.4 140 114.4 2.9 343.2 3 195000 29											
114											
1115 299.0 7,7 900.6 3.01 193250 248.0 633.0 6.4 35.4 4955.5 116 299.0 9.9 899.2 3.01 198350 242.0 634.0 5.8 35.4 5378.7 118 298.5 7.8 900 3.01 193250 248.0 633.0 6.4 38.2 4640.4 119 298.5 7.8 900 3.01 193250 248.0 633.0 6.4 38.2 4640.4 120 298.3 11.9 899.2 3.01 208420 249.0 603.0 6.3 38.2 6224.9 121 323.2 7.9 975. 3.02 192330 544.0 725.0 5.7 34.4 10167.6 122 324.0 9.9 973.2 3 201220 542.0 774.0 6.2 34.4 10167.6 122 324.0 7.9 975.1 3.02 192330 544.0 725.0 <td></td>											
116											6064.6
117 297.7 11.9 900 3.02 208420 249.0 603.0 6.3 35.4 6154.2 118 298.5 7.8 900 3.01 193250 248.0 633.0 6.4 38.2 4640.4 120 298.3 11.9 899.2 3.01 208420 249.0 603.0 6.3 38.2 6224.9 121 323.2 7.9 975 3.02 192330 544.0 725.0 5.7 34.4 11016.6 122 324.0 9.9 973.2 3.02 199540 542.0 719.0 6.1 34.4 11016.6 123 323.3 11.9 976.5 3.02 199540 542.0 719.0 6.1 34.4 11726.2 124 323.2 7.9 975.1 3.02 201220 542.0 719.0 6.1 40.0 1298.6 125 323.0 9.9 974.6 3.02 201220 542.0 719.				900.6	3.01	193250	248.0		6.4	35.4	4955.5
118	116	299.0	9.9	899.2	3.01	198350	242.0	634.0	5.8	35.4	5378.7
119 298.3 9.9 900.4 3.02 198350 242.0 634.0 5.8 38.2 544.48 120 298.3 11.9 899.2 3.01 208420 249.0 603.0 6.3 38.2 524.9 121 323.2 7.9 975 3.02 192330 544.0 725.0 5.7 34.4 10167.4 122 324.0 9.9 973.2 3 201220 542.0 779.0 6.1 34.4 11016.6 123 323.3 11.9 975.5 3.02 199540 542.0 7724.0 6.2 34.4 1276.2 124 323.2 7.9 975.1 3.02 201220 542.0 719.0 6.1 40.0 9729.6 126 324.5 11.9 974.6 3.02 201220 542.0 7724.0 6.2 40.0 12235.3 127 325.0 7.9 975.2 3 19330 544.0 725.0<	117	297.7	11.9	900	3.02	208420	249.0	603.0	6.3	35.4	6154.2
120 298.3 11.9 899.2 3.01 208420 249.0 603.0 6.3 38.2 6224.9 121 323.2 7.9 975 3.02 192330 544.0 725.0 5.7 34.4 1016.6 122 324.0 9.9 973.2 3 201220 542.0 719.0 6.1 34.4 11016.6 123 323.3 11.9 976.5 3.02 199540 542.0 724.0 6.2 34.4 1276.2 124 323.2 7.9 975.1 3.02 192330 544.0 725.0 5.7 40.0 10298.8 125 323.0 9.9 974.6 3.02 201220 542.0 719.0 6.1 40.0 9729.6 126 324.5 11.9 974.6 3 199540 542.0 724.0 6.2 40.0 1225.3 127 325.0 7.9 975.2 3 192330 544.0 725.0 5.7 43.0 10436.7 128 324.2 9.9 973.4 3 201220 542.0 719.0 6.1 43.0 10436.7 128 324.2 9.9 973.4 3 201220 542.0 719.0 6.1 43.0 10436.7 129 324.3 11.9 975.5 3.01 199540 542.0 724.0 6.2 43.0 13115.7 130 101.6 1.5 304.8 3 198000 470.0 735.4 3.5 30.0 478.0 131 101.6 1.5 304.8 3 198000 470.0 735.4 3.5 40.0 552.0 132 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 36.4 362.8 134 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 36.4 362.8 135 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 36.4 362.8 136 76.4 3.0 229.2 3 202000 258.0 709.0 4.0 85.8 694.4 138 76.3 3.0 228.9 3 202000 258.0 709.0 4.0 85.8 694.4 138 76.3 3.0 228.9 3 202000 258.0 709.0 4.0 85.8 694.4 138 76.3 3.0 228.9 3 202000 258.0 709.0 4.0 85.8 694.4 139 76.3 3.0 228.9 3 202000 258.0 709.0 4.0 85.8 694.4 141 114.4 2.9 343.2 3 195000 293.0 678.0 7.0 36.4 86.1 144 165.4 3.0 495.9 3 202000 258.0 709.0 4.0 85.8 694.4 145 165.3 3.0 495.9 3 202000 258.0 709.0 4.0 85.8 146 60.4 2.9 151 2.49 188700 333.0 729.2 4.9 34.4 460.6 147 60.5 2.9 151	118	298.5	7.8	900	3.01	193250	248.0	633.0	6.4	38.2	4640.4
121 323.2 7.9 975 3.02 192330 544.0 725.0 5.7 34.4 10167.4 122 324.0 9.9 973.2 3 201220 542.0 719.0 6.1 34.4 11016.6 123 323.3 11.9 976.5 3.02 199540 542.0 724.0 6.2 34.4 12776.2 124 323.2 7.9 975.1 3.02 192330 544.0 725.0 5.7 40.0 10298.8 126 324.5 11.9 974.6 3.02 201220 542.0 724.0 6.2 40.0 12235.3 127 325.0 7.9 975.2 3 192330 544.0 725.0 5.7 43.0 10436.7 128 324.2 9.9 973.4 3 201220 542.0 724.0 6.1 43.0 1310.3 129 324.3 11.9 975.5 3.01 199540 542.0 724.0<	119	298.5	9.9	900.4	3.02	198350	242.0	634.0	5.8	38.2	5444.8
122 324.0 9.9 973.2 3 201220 542.0 719.0 6.1 34.4 11016.6 123 323.3 11.9 976.5 3.02 19540 542.0 724.0 6.2 34.4 12726.2 125 323.0 9.9 974.6 3.02 201220 542.0 719.0 6.1 40.0 9729.6 126 324.5 11.9 974.6 3 199540 542.0 7719.0 6.2 40.0 12235.3 127 325.0 7.9 975.2 3 192330 544.0 725.0 5.7 43.0 1036.7 128 324.2 9.9 973.4 3 201220 542.0 719.0 6.1 43.0 1315.7 130 101.6 1.5 304.8 3 198000 470.0 735.4 3.5 40.0 1515.7 131 101.6 1.5 304.8 3 198000 470.0 735.4	120	298.3	11.9	899.2	3.01	208420	249.0	603.0	6.3	38.2	6224.9
123 323.3 11.9 976.5 3.02 199540 542.0 724.0 6.2 34.4 12726.2 124 323.2 7.9 975.1 3.02 192330 544.0 725.0 5.7 40.0 10298.8 126 323.0 9.9 974.6 3.02 201220 542.0 719.0 6.1 40.0 1929.6 126 324.5 11.9 974.6 3 199540 542.0 774.0 6.2 40.0 12235.3 127 325.0 7.9 975.2 3 192330 544.0 725.0 5.7 43.0 10436.7 128 324.2 9.9 973.4 3 201220 542.0 719.0 6.1 43.0 13150.3 129 324.3 11.9 975.5 3.01 199540 542.0 774.0 6.2 43.0 13115.7 130 101.6 1.5 304.8 3 198000 470.0 735.4 </td <td>121</td> <td>323.2</td> <td>7.9</td> <td>975</td> <td>3.02</td> <td>192330</td> <td>544.0</td> <td>725.0</td> <td>5.7</td> <td>34.4</td> <td>10167.4</td>	121	323.2	7.9	975	3.02	192330	544.0	725.0	5.7	34.4	10167.4
124 323.2 7.9 975.1 3.02 192330 544.0 725.0 5.7 40.0 10298.8 125 323.0 9.9 974.6 3.02 201220 542.0 772.0 6.2 40.0 9729.6 126 324.5 11.9 974.6 3 199540 542.0 724.0 6.2 40.0 12235.3 127 325.0 7.9 975.2 3 192330 544.0 725.0 5.7 43.0 10436.7 128 324.2 9.9 973.4 3 201220 542.0 719.0 6.1 43.0 13200.3 129 324.3 11.9 975.5 3.01 199540 542.0 7724.0 6.2 43.0 13115.7 130 101.6 1.5 304.8 3 198000 470.0 735.4 3.5 40.0 552.0 131 101.6 1.5 304.8 3 198000 470.0 735.4	122	324.0	9.9	973.2	3	201220	542.0	719.0	6.1	34.4	11016.6
125 323.0 9.9 974.6 3.02 201220 542.0 719.0 6.1 40.0 9729.6 126 324.5 11.9 974.6 3 199540 542.0 724.0 6.2 40.0 12235.3 127 325.0 7.9 975.2 3 192330 544.0 725.0 5.7 43.0 10436.7 128 324.2 9.9 973.4 3 201220 542.0 7719.0 6.1 43.0 13200.3 129 324.3 11.9 975.5 3.01 199540 542.0 724.0 6.2 43.0 13115.7 130 101.6 1.5 304.8 3 198000 470.0 735.4 3.5 30.0 478.0 131 101.6 1.5 304.8 3 198000 470.0 735.4 3.5 40.0 552.0 132 60.4 2.8 181.2 3 196000 296.0 708.0	123	323.3	11.9	976.5	3.02	199540	542.0	724.0	6.2	34.4	12726.2
126 324.5 11.9 974.6 3 199540 542.0 724.0 6.2 40.0 12235.3 127 325.0 7.9 975.2 3 192330 544.0 725.0 5.7 43.0 10436.7 128 324.2 9.9 973.4 3 201220 542.0 779.0 6.1 43.0 13200.3 129 324.3 11.9 975.5 3.01 199540 542.0 7724.0 6.2 43.0 1310.0 130 101.6 1.5 304.8 3 198000 470.0 735.4 3.5 30.0 478.0 131 101.6 1.5 304.8 3 198000 470.0 735.4 3.5 30.0 478.0 131 101.6 1.5 304.8 3 198000 470.0 735.4 3.5 30.0 250.0 132 60.4 2.8 181.2 3 196000 296.0 708.0	124	323.2	7.9	975.1	3.02	192330	544.0	725.0	5.7	40.0	10298.8
127 325.0 7.9 975.2 3 192330 544.0 725.0 5.7 43.0 10436.7 128 324.2 9.9 973.4 3 201220 542.0 719.0 6.1 43.0 13200.3 129 324.3 11.9 975.5 3.01 199540 542.0 724.0 6.2 43.0 13115.7 130 101.6 1.5 304.8 3 198000 470.0 735.4 3.5 30.0 478.0 131 101.6 1.5 304.8 3 198000 470.0 735.4 3.5 40.0 552.0 132 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 36.4 362.8 133 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 36.4 362.8 135 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 </td <td>125</td> <td>323.0</td> <td>9.9</td> <td>974.6</td> <td>3.02</td> <td>201220</td> <td>542.0</td> <td>719.0</td> <td>6.1</td> <td>40.0</td> <td>9729.6</td>	125	323.0	9.9	974.6	3.02	201220	542.0	719.0	6.1	40.0	9729.6
127 325.0 7.9 975.2 3 192330 544.0 725.0 5.7 43.0 10436.7 128 324.2 9.9 973.4 3 201220 542.0 719.0 6.1 43.0 13200.3 129 324.3 11.9 975.5 3.01 199540 542.0 724.0 6.2 43.0 13115.7 130 101.6 1.5 304.8 3 198000 470.0 735.4 3.5 30.0 478.0 131 101.6 1.5 304.8 3 198000 470.0 735.4 3.5 40.0 552.0 132 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 36.4 362.8 133 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 85.8 495.5 136 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 </td <td>126</td> <td>324.5</td> <td>11.9</td> <td>974.6</td> <td>3</td> <td>199540</td> <td>542.0</td> <td>724.0</td> <td>6.2</td> <td>40.0</td> <td>12235.3</td>	126	324.5	11.9	974.6	3	199540	542.0	724.0	6.2	40.0	12235.3
128 324.2 9.9 973.4 3 201220 542.0 719.0 6.1 43.0 13200.3 129 324.3 11.9 975.5 3.01 199540 542.0 724.0 6.2 43.0 1311.57 130 101.6 1.5 304.8 3 198000 470.0 735.4 3.5 30.0 478.0 131 101.6 1.5 304.8 3 198000 470.0 735.4 3.5 40.0 552.0 132 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 36.4 358.0 133 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 36.4 362.8 134 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 85.8 495.5 136 76.4 3.0 229.2 3 202000 258.0 709.0 4.0	127	325.0	7.9	975.2	3	192330	544.0	725.0	5.7	43.0	
130 101.6 1.5 304.8 3 198000 470.0 735.4 3.5 30.0 478.0 131 101.6 1.5 304.8 3 198000 470.0 735.4 3.5 40.0 552.0 132 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 36.4 358.0 133 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 36.4 362.8 134 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 85.8 495.5 135 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 120.0 578.5 136 76.4 3.0 229.2 3 202000 258.0 709.0 4.0 36.4 489.3 137 76.4 3.0 229.2 3 202000 258.0 709.0 4.0	128	324.2	9.9	973.4	3	201220	542.0	719.0	6.1	43.0	13200.3
131 101.6 1.5 304.8 3 198000 470.0 735.4 3.5 40.0 552.0 132 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 36.4 358.0 133 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 36.4 362.8 134 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 85.8 495.5 135 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 120.0 578.5 136 76.4 3.0 229.2 3 202000 258.0 709.0 4.0 36.4 489.3 137 76.4 3.0 228.9 3 202000 258.0 709.0 4.0 85.8 682.4 138 76.3 3.0 228.9 3 202000 258.0 709.0 4.0 <	129	324.3	11.9	975.5	3.01	199540	542.0	724.0	6.2	43.0	13115.7
131 101.6 1.5 304.8 3 198000 470.0 735.4 3.5 40.0 552.0 132 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 36.4 358.0 133 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 36.4 362.8 134 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 85.8 495.5 135 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 120.0 578.5 136 76.4 3.0 229.2 3 202000 258.0 709.0 4.0 36.4 489.3 137 76.4 3.0 228.9 3 202000 258.0 709.0 4.0 85.8 682.4 138 76.3 3.0 228.9 3 202000 258.0 709.0 4.0 <	130	101.6	1.5	304.8	3	198000	470.0	735.4	3.5	30.0	478.0
132 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 36.4 358.0 133 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 36.4 362.8 134 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 85.8 495.5 135 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 120.0 578.5 136 76.4 3.0 229.2 3 202000 258.0 709.0 4.0 36.4 489.3 137 76.4 3.0 228.9 3 202000 258.0 709.0 4.0 85.8 682.4 138 76.3 3.0 228.9 3 202000 258.0 709.0 4.0 85.8 682.4 139 76.3 3.0 228.9 3 202000 258.0 709.0 4.0 <t< td=""><td>131</td><td>101.6</td><td>1.5</td><td>304.8</td><td>3</td><td>198000</td><td>470.0</td><td>735.4</td><td>3.5</td><td>40.0</td><td>552.0</td></t<>	131	101.6	1.5	304.8	3	198000	470.0	735.4	3.5	40.0	552.0
133 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 36.4 362.8 134 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 85.8 495.5 135 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 120.0 578.5 136 76.4 3.0 229.2 3 202000 258.0 709.0 4.0 36.4 489.3 137 76.4 3.0 229.2 3 202000 258.0 709.0 4.0 85.8 682.4 138 76.3 3.0 228.9 3 202000 258.0 709.0 4.0 85.8 694.4 139 76.3 3.0 228.9 3 202000 258.0 709.0 4.0 85.8 694.4 139 76.3 3.0 228.9 3 202000 258.0 709.0 4.0 <t< td=""><td></td><td></td><td>2.8</td><td></td><td>3</td><td></td><td></td><td></td><td>6.0</td><td>36.4</td><td></td></t<>			2.8		3				6.0	36.4	
134 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 85.8 495.5 135 60.4 2.8 181.2 3 196000 296.0 708.0 6.0 120.0 578.5 136 76.4 3.0 229.2 3 202000 258.0 709.0 4.0 36.4 489.3 137 76.4 3.0 229.2 3 202000 258.0 709.0 4.0 85.8 682.4 138 76.3 3.0 228.9 3 202000 258.0 709.0 4.0 85.8 694.4 139 76.3 3.0 228.9 3 202000 258.0 709.0 4.0 185.8 694.4 139 76.3 3.0 228.9 3 202000 258.0 709.0 4.0 185.8 694.4 139 76.3 3.0 495.6 3 195000 293.0 678.0 7.0						196000					
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139 76.3 3.0 228.9 3 202000 258.0 709.0 4.0 120.0 869.2 140 114.4 2.9 343.2 3 195000 293.0 678.0 7.0 36.4 864.1 141 114.4 3.0 343.2 3 195000 293.0 678.0 7.0 85.8 1240.2 142 114.5 2.9 343.5 3 195000 293.0 678.0 7.0 120.0 1766.7 143 165.2 3.0 495.6 3 201000 267.0 684.0 9.0 36.4 1438.3 144 165.4 3.0 496.2 3 201000 267.0 684.0 9.0 85.8 2312.2 145 165.3 3.0 495.9 3 201000 267.0 684.0 9.0 120.0 2699.3 146 60.4 2.9 151.3 2.5 188700 333.0 729.2 4.9<	137	76.4	3.0	229.2	3	202000	258.0	709.0	4.0	85.8	682.4
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141 114.4 3.0 343.2 3 195000 293.0 678.0 7.0 85.8 1240.2 142 114.5 2.9 343.5 3 195000 293.0 678.0 7.0 120.0 1766.7 143 165.2 3.0 495.6 3 201000 267.0 684.0 9.0 36.4 1438.3 144 165.4 3.0 496.2 3 201000 267.0 684.0 9.0 85.8 2312.2 145 165.3 3.0 495.9 3 201000 267.0 684.0 9.0 120.0 2699.3 146 60.4 2.9 151.3 2.5 188700 333.0 729.2 4.9 39.0 563.8 147 60.5 2.9 151 2.49 188700 333.0 729.2 4.9 39.0 581.2 148 60.5 2.9 151 2.5 188700 333.0 729.2 4.9 </td <td>139</td> <td>76.3</td> <td>3.0</td> <td>228.9</td> <td>3</td> <td>202000</td> <td>258.0</td> <td>709.0</td> <td>4.0</td> <td>120.0</td> <td>869.2</td>	139	76.3	3.0	228.9	3	202000	258.0	709.0	4.0	120.0	869.2
142 114.5 2.9 343.5 3 195000 293.0 678.0 7.0 120.0 1766.7 143 165.2 3.0 495.6 3 201000 267.0 684.0 9.0 36.4 1438.3 144 165.4 3.0 496.2 3 201000 267.0 684.0 9.0 85.8 2312.2 145 165.3 3.0 495.9 3 201000 267.0 684.0 9.0 120.0 2699.3 146 60.4 2.9 151.3 2.5 188700 333.0 729.2 4.9 39.0 563.8 147 60.5 2.9 151 2.49 188700 333.0 729.2 4.9 39.0 581.2 148 60.5 2.9 151 2.5 188700 333.0 729.2 4.9 77.0 562.9 149 60.5 3.0 151 2.5 188700 333.0 729.2 4.9 <td>140</td> <td>114.4</td> <td>2.9</td> <td>343.2</td> <td>3</td> <td>195000</td> <td>293.0</td> <td>678.0</td> <td>7.0</td> <td>36.4</td> <td>864.1</td>	140	114.4	2.9	343.2	3	195000	293.0	678.0	7.0	36.4	864.1
143 165.2 3.0 495.6 3 201000 267.0 684.0 9.0 36.4 1438.3 144 165.4 3.0 496.2 3 201000 267.0 684.0 9.0 85.8 2312.2 145 165.3 3.0 495.9 3 201000 267.0 684.0 9.0 120.0 2699.3 146 60.4 2.9 151.3 2.5 188700 333.0 729.2 4.9 39.0 563.8 147 60.5 2.9 151 2.49 188700 333.0 729.2 4.9 39.0 581.2 148 60.5 2.9 151 2.5 188700 333.0 729.2 4.9 37.0 562.9 149 60.5 3.0 151 2.5 188700 333.0 729.2 4.9 77.0 543.4 150 60.6 2.9 151 2.49 188700 333.0 729.2 4.9	141	114.4	3.0	343.2	3	195000	293.0	678.0	7.0	85.8	1240.2
144 165.4 3.0 496.2 3 201000 267.0 684.0 9.0 85.8 2312.2 145 165.3 3.0 495.9 3 201000 267.0 684.0 9.0 120.0 2699.3 146 60.4 2.9 151.3 2.5 188700 333.0 729.2 4.9 39.0 563.8 147 60.5 2.9 151 2.49 188700 333.0 729.2 4.9 39.0 563.8 148 60.5 2.9 151 2.5 188700 333.0 729.2 4.9 77.0 562.9 149 60.5 3.0 151 2.5 188700 333.0 729.2 4.9 77.0 543.4 150 60.6 2.9 151 2.49 188700 333.0 729.2 4.9 34.4 460.6 151 60.4 2.9 151 2.5 188700 333.0 729.2 4.9	142	114.5	2.9	343.5	3	195000	293.0	678.0	7.0	120.0	1766.7
145 165.3 3.0 495.9 3 201000 267.0 684.0 9.0 120.0 2699.3 146 60.4 2.9 151.3 2.5 188700 333.0 729.2 4.9 39.0 563.8 147 60.5 2.9 151 2.49 188700 333.0 729.2 4.9 39.0 581.2 148 60.5 2.9 151 2.5 188700 333.0 729.2 4.9 77.0 562.9 149 60.5 3.0 151 2.5 188700 333.0 729.2 4.9 77.0 543.4 150 60.6 2.9 151 2.49 188700 333.0 729.2 4.9 34.4 460.6 151 60.4 2.9 151 2.5 188700 333.0 729.2 4.9 34.4 462.6 152 60.5 2.9 151 2.5 188700 333.0 729.2 4.9											
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150 60.6 2.9 151 2.49 188700 333.0 729.2 4.9 34.4 460.6 151 60.4 2.9 151 2.5 188700 333.0 729.2 4.9 34.4 462.6 152 60.5 2.9 151 2.5 188700 333.0 729.2 4.9 74.0 470.0 153 60.4 2.9 151 2.5 188700 333.0 729.2 4.9 74.0 487.1 154 76.4 3.1 190 2.49 202000 288.0 742.5 7.3 39.0 706.3 155 76.3 3.1 190 2.49 202000 288.0 742.5 7.3 39.0 636.3 156 76.3 3.1 190 2.49 202000 288.0 742.5 7.3 77.0 675.4			2.9	151	2.5	188700	333.0		4.9	77.0	562.9
151 60.4 2.9 151 2.5 188700 333.0 729.2 4.9 34.4 462.6 152 60.5 2.9 151 2.5 188700 333.0 729.2 4.9 74.0 470.0 153 60.4 2.9 151 2.5 188700 333.0 729.2 4.9 74.0 487.1 154 76.4 3.1 190 2.49 202000 288.0 742.5 7.3 39.0 706.3 155 76.3 3.1 190 2.49 202000 288.0 742.5 7.3 39.0 636.3 156 76.3 3.1 190 2.49 202000 288.0 742.5 7.3 77.0 675.4	149	60.5	3.0	151		188700	333.0	729.2	4.9	77.0	543.4
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153 60.4 2.9 151 2.5 188700 333.0 729.2 4.9 74.0 487.1 154 76.4 3.1 190 2.49 202000 288.0 742.5 7.3 39.0 706.3 155 76.3 3.1 190 2.49 202000 288.0 742.5 7.3 39.0 636.3 156 76.3 3.1 190 2.49 202000 288.0 742.5 7.3 77.0 675.4	151	60.4	2.9	151	2.5	188700	333.0	729.2	4.9	34.4	462.6
154 76.4 3.1 190 2.49 202000 288.0 742.5 7.3 39.0 706.3 155 76.3 3.1 190 2.49 202000 288.0 742.5 7.3 39.0 636.3 156 76.3 3.1 190 2.49 202000 288.0 742.5 7.3 77.0 675.4	152	60.5	2.9	151	2.5	188700	333.0	729.2	4.9	74.0	470.0
155 76.3 3.1 190 2.49 202000 288.0 742.5 7.3 39.0 636.3 156 76.3 3.1 190 2.49 202000 288.0 742.5 7.3 77.0 675.4	153	60.4	2.9	151	2.5	188700	333.0	729.2	4.9	74.0	487.1
156 76.3 3.1 190 2.49 202000 288.0 742.5 7.3 77.0 675.4	154	76.4	3.1	190	2.49	202000	288.0	742.5	7.3	39.0	706.3
	155	76.3	3.1	190	2.49	202000	288.0	742.5	7.3	39.0	636.3
157 76.4 3.1 190 2.49 202000 288.0 742.5 7.3 34.4 595.1	156	76.3	3.1	190	2.49	202000	288.0	742.5	7.3	77.0	675.4
	157	76.4	3.1	190	2.49	202000	288.0	742.5	7.3	34.4	595.1

450	76.4	1 24	100.2	2.40	202000	200.0	742.5	l - 2 2	74.0	625.0
158	76.4	3.1	190.3	2.49	202000	288.0	742.5	7.3	74.0	635.0
159	114.4	3.1	285	2.49	187900	320.0	699.9	6.1	39.0	945.4
160	114.4	3.1	285	2.49	187900	320.0	699.9	6.1	77.0	1184.3
161	114.5	3.1	285	2.49	187900	320.0	699.9	6.1	34.4	906.0
162	114.4	3.1	285	2.49	187900	320.0	699.9	6.1	74.0	1245.0
163	140.1	3.0	348	2.48	195300	318.0	686.7	6.3	39.0	1191.1
164	140.1	3.1	348	2.48	195300	318.0	686.7	6.3	77.0	1789.4
165	140.2	3.0	348	2.48	195300	318.0	686.7	6.3	34.4	1135.1
166	140.1	3.0	348	2.48	195300	318.0	686.7	6.3	34.4	1145.6
167	140.2	3.0	348	2.48	195300	318.0	686.7	6.3	74.4	1711.3
168	165.0	3.1	412	2.5	198100	300.0	714.9	9.0	39.0	1442.7
169	165.4	3.1	412	2.49	198100	300.0	714.9	9.0	77.0	2290.5
170	165.0	3.1	412	2.5	198100	300.0	714.9	9.0	34.4	1323.1
171	165.2	3.1	412	2.49	198100	300.0	714.9	9.0	74.4	2269.0
172	124.8	1.3	375.3	3.01	217000	496.0	777.0	3.2	54.5	1131.0
173	125.3	1.3	374.5	2.99	217000	496.0	777.0	3.2	54.5	1142.0
174	150.1	1.7	444.8	2.96	215000	493.0	780.0	3.2	54.5	1698.0
175	149.8	1.7	444.9	2.97	215000	493.0	780.0	3.2	54.5	1661.0
176	180.7	1.7	539.7	2.99	215000	493.0	780.0	3.2	54.5	2169.0
177	180.7	1.7	540.4	2.99	215000	493.0	780.0	3.2	54.5	2193.0
178	50.9	3.1	150	2.95	195000	228.2	562.1		35.8	235.0
179	101.9	2.8	400	3.93	195000	225.7	656.4		35.8	570.0
180	114.1	2.8	400	3.51	195000	280.7	617.8		35.8	766.0
181	168.4	3.2	400	2.38	195000	281.1	615.8	8.3	35.8	1449.0
182	101.2	2.8	400	3.95	195000	324.4	647.2	8.3	31.4	729.0
183	113.9	2.9	400	3.51	195000	270.3	579.4	8.3	31.4	800.0
184	168.2	3.2	400	2.38	195000	280.1	575.3	8.3	31.4	1522.0
185	114.3	3.1	290	2.54	189099	293.0	602.1	10	43.6	831.0
186	101.0	2.0	290	2.87	208228	357.0	690.3	9.21	43.6	600.0
187	101.0	1.5	290	2.87	204581	322.0	655.6	9.09	43.6	562.0
188	219.0	3.9	620	2.83	203500	269.3	710.3	9.1	35.6	2271.0
189	219.0	3.9	620	2.83	203500	269.3	710.3	9.1	35.6	2459.0
190	219.0	3.9	620	2.83	203500	269.3	710.3	9.1	35.6	2331.0
191	219.0	3.9	620	2.83	203500	269.3	710.3	9.1	33.1	2242.0
192	219.0	3.9	620	2.83	203500	269.3	710.3	9.1	33.1	2304.0
193	219.0	3.9	620	2.83	203500	269.3	710.3	9.1	33.1	2306.0
194	219.0	3.9	620	2.83	203500	269.3	710.3	9.1	33.8	2254.0
195	219.0	3.9	620	2.83	203500	269.3	710.3	9.1	33.8	2270.0
196	219.0	3.9	620	2.83	203500	269.3	710.3	9.1	33.8	2218.0
197	114.0	4.2	350	3.07	199500	346.1	769.3	5.9	35.6	1082.0
198	114.0	4.2	350	3.07	199500	346.1	769.3	5.9	35.6	1099.0
199	114.0	4.2	350	3.07	199500	346.1	769.3	5.9	35.6	1116.0
200	114.0	4.2	350	3.07	199500	346.1	769.3	5.9	33.1	1053.0
201	114.0	4.2	350	3.07	199500	346.1	769.3	5.9	33.1	956.0
202	114.0	4.2	350	3.07	199500	346.1	769.3	5.9	33.1	1040.0
203	114.0	4.2	350	3.07	199500	346.1	769.3	5.9	33.8	1016.0
204	114.0	4.2	350	3.07	199500	346.1	769.3	5.9	33.8	1023.0
205	114.0	4.2	350	3.07	199500	346.1	769.3	5.9	33.8	990.0
206	114.0	4.2	350	3.07	199500	346.1	769.3	5.9	52.6	1318.0
207	114.0	4.2	350	3.07	199500	346.1	769.3	5.9	52.6	1317.0
208	114.0	4.2	350	3.07	199500	346.1	769.3	5.9	45.8	1171.0
209	114.0	4.2	350	3.07	199500	346.1	769.3	5.9	45.8	1174.0
210	114.0	4.2	350	3.07	199500	346.1	769.3	5.9	41.7	1074.0
211	114.0	4.2	350	3.07	199500	346.1	769.3	5.9	41.7	1091.0