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Dataset-2

Test name	Carbon Felt Type	Carbon Felt Thickness (mm)	Carbon Felt Price（$/m^2）	Electrode Area（m^2/Cell）	Cell Number	Carbon Felt Price（$)	Negative Electrode/Bipolar Plate Structure (mm)	Postive Electrode/Bipolar Plate Structure (mm)	Electrode/Bipolar Plate Structure Price（$/m^2）	Electrode/Bipolar Plate Structure Price（$)	Bipolar Plate Type	Bipolar Plate Price（$/m^2）	Bipolar Plate Area（m^2/per cell）	Bipolar Plate Price（$)
VFB 20180330	CF Type 1	4.2	48.59	0.072	10	69.97	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20180330	CF Type 1	4.2	48.59	0.072	10	69.97	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20180330	CF Type 1	4.2	48.59	0.072	10	69.97	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20180330	CF Type 1	4.2	48.59	0.072	10	69.97	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20180330	CF Type 1	4.2	48.59	0.072	10	69.97	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20180330	CF Type 1	4.2	48.59	0.072	10	69.97	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20180330	CF Type 1	4.2	48.59	0.072	10	69.97	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20180330	CF Type 1	4.2	48.59	0.072	10	69.97	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20180330	CF Type 1	4.2	48.59	0.072	10	69.97	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20180330	CF Type 1	4.2	48.59	0.072	10	69.97	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20180330	CF Type 1	4.2	48.59	0.072	10	69.97	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20180313	CF Type 1	4.2	48.59	0.072	10	69.97	1.8	1.8	11.66	16.79	BP Type 1	16.90	0.12	22.31
VFB 20180313	CF Type 1	4.2	48.59	0.072	10	69.97	1.8	1.8	11.66	16.79	BP Type 1	16.90	0.12	22.31
VFB 20180313	CF Type 1	4.2	48.59	0.072	10	69.97	1.8	1.8	11.66	16.79	BP Type 1	16.90	0.12	22.31
VFB 20180313	CF Type 1	4.2	48.59	0.072	10	69.97	1.8	1.8	11.66	16.79	BP Type 1	16.90	0.12	22.31
VFB 20180313	CF Type 1	4.2	48.59	0.072	10	69.97	1.8	1.8	11.66	16.79	BP Type 1	16.90	0.12	22.31
VFB 20180313	CF Type 1	4.2	48.59	0.072	10	69.97	1.8	1.8	11.66	16.79	BP Type 1	16.90	0.12	22.31
VFB 20180313	CF Type 1	4.2	48.59	0.072	10	69.97	1.8	1.8	11.66	16.79	BP Type 1	16.90	0.12	22.31
VFB 20180313	CF Type 1	4.2	48.59	0.072	10	69.97	1.8	1.8	11.66	16.79	BP Type 1	16.90	0.12	22.31
VFB 20180313	CF Type 1	4.2	48.59	0.072	10	69.97	1.8	1.8	11.66	16.79	BP Type 1	16.90	0.12	22.31
VFB 20180313	CF Type 1	4.2	48.59	0.072	10	69.97	1.8	1.8	11.66	16.79	BP Type 1	16.90	0.12	22.31
VFB 20180313	CF Type 1	4.2	48.59	0.072	10	69.97	1.8	1.8	11.66	16.79	BP Type 1	16.90	0.12	22.31
VFB 20171215	CF Type 1	3.0	34.51	0.072	10	49.69	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20171215	CF Type 1	3.0	34.51	0.072	10	49.69	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20171215	CF Type 1	3.0	34.51	0.072	10	49.69	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20171215	CF Type 1	3.0	34.51	0.072	10	49.69	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20171215	CF Type 1	3.0	34.51	0.072	10	49.69	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20171215	CF Type 1	3.0	34.51	0.072	10	49.69	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20171215	CF Type 1	3.0	34.51	0.072	10	49.69	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20171215	CF Type 1	3.0	34.51	0.072	10	49.69	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20171215	CF Type 1	3.0	34.51	0.072	10	49.69	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20171215	CF Type 1	3.0	34.51	0.072	10	49.69	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20171215	CF Type 1	3.0	34.51	0.072	10	49.69	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20171215	CF Type 1	3.0	34.51	0.072	10	49.69	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20171215	CF Type 1	3.0	34.51	0.072	10	49.69	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31

VFB 20171215	CF Type 1	3.0	34.51	0.072	10	49.69	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20171215	CF Type 1	3.0	34.51	0.072	10	49.69	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20171215	CF Type 1	3.0	34.51	0.072	10	49.69	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20171215	CF Type 1	3.0	34.51	0.072	10	49.69	3.3	3.3	21.38	30.79	BP Type 1	16.90	0.12	22.31
VFB 20160115	CF Type 1	3.0	34.51	0.072	10	49.69	0.0	0.0	0.00	0.00	BP Type 1	16.90	0.12	22.31
VFB 20160115	CF Type 1	3.0	34.51	0.072	10	49.69	0.0	0.0	0.00	0.00	BP Type 1	16.90	0.12	22.31
VFB 20160115	CF Type 1	3.0	34.51	0.072	10	49.69	0.0	0.0	0.00	0.00	BP Type 1	16.90	0.12	22.31
VFB 20160115	CF Type 1	3.0	34.51	0.072	10	49.69	0.0	0.0	0.00	0.00	BP Type 1	16.90	0.12	22.31
VFB 20160115	CF Type 1	3.0	34.51	0.072	10	49.69	0.0	0.0	0.00	0.00	BP Type 1	16.90	0.12	22.31
VFB 20160115	CF Type 1	3.0	34.51	0.072	10	49.69	0.0	0.0	0.00	0.00	BP Type 1	16.90	0.12	22.31
VFB 20160115	CF Type 1	3.0	34.51	0.072	10	49.69	0.0	0.0	0.00	0.00	BP Type 1	16.90	0.12	22.31
VFB 20160115	CF Type 1	3.0	34.51	0.072	10	49.69	0.0	0.0	0.00	0.00	BP Type 1	16.90	0.12	22.31
VFB 20160115	CF Type 1	3.0	34.51	0.072	10	49.69	0.0	0.0	0.00	0.00	BP Type 1	16.90	0.12	22.31
VFB 20160115	CF Type 1	3.0	34.51	0.072	10	49.69	0.0	0.0	0.00	0.00	BP Type 1	16.90	0.12	22.31
VFB 20160115	CF Type 1	3.0	34.51	0.072	10	49.69	0.0	0.0	0.00	0.00	BP Type 1	16.90	0.12	22.31
VFB 20130228	CF Type 2	4.0	320.42	0.064	5	205.07	3.0	3.0	19.44	12.44	BP Type 1	16.90	0.12	12.17
VFB 20130228	CF Type 2	4.0	320.42	0.064	5	205.07	3.0	3.0	19.44	12.44	BP Type 1	16.90	0.12	12.17
VFB 20130228	CF Type 2	4.0	320.42	0.064	5	205.07	3.0	3.0	19.44	12.44	BP Type 1	16.90	0.12	12.17
VFB 20130228	CF Type 2	4.0	320.42	0.064	5	205.07	3.0	3.0	19.44	12.44	BP Type 1	16.90	0.12	12.17
VFB 20130228	CF Type 2	4.0	320.42	0.064	5	205.07	3.0	3.0	19.44	12.44	BP Type 1	16.90	0.12	12.17
VFB 20130228	CF Type 2	4.0	320.42	0.064	5	205.07	3.0	3.0	19.44	12.44	BP Type 1	16.90	0.12	12.17
VFB 20130228	CF Type 2	4.0	320.42	0.064	5	205.07	3.0	3.0	19.44	12.44	BP Type 1	16.90	0.12	12.17
VFB 20130228	CF Type 2	4.0	320.42	0.064	5	205.07	3.0	3.0	19.44	12.44	BP Type 1	16.90	0.12	12.17
VFB 20130228	CF Type 2	4.0	320.42	0.064	5	205.07	3.0	3.0	19.44	12.44	BP Type 1	16.90	0.12	12.17
VFB 20130228	CF Type 2	4.0	320.42	0.064	5	205.07	3.0	3.0	19.44	12.44	BP Type 1	16.90	0.12	12.17
VFB 20130228	CF Type 2	4.0	320.42	0.064	5	205.07	3.0	3.0	19.44	12.44	BP Type 1	16.90	0.12	12.17
VFB 20130228	CF Type 2	4.0	320.42	0.064	5	205.07	3.0	3.0	19.44	12.44	BP Type 1	16.90	0.12	12.17
VFB 20130228	CF Type 2	4.0	320.42	0.064	5	205.07	3.0	3.0	19.44	12.44	BP Type 1	16.90	0.12	12.17
VFB 20130228	CF Type 2	4.0	320.42	0.064	5	205.07	3.0	3.0	19.44	12.44	BP Type 1	16.90	0.12	12.17
VFB 20121119	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121119	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121119	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121119	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121119	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121119	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121119	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121119	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121119	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121119	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17

VFB 20121119	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121119	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121119	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121018	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121018	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121018	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121018	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121018	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121018	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121018	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121018	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121018	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121018	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121018	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121018	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121018	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121107	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121107	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121107	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121107	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121107	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121107	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121107	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121107	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20121107	CF Type 2	4.0	320.42	0.072	5	230.70	2.0	2.0	12.96	9.33	BP Type 1	16.90	0.12	12.17
VFB 20130428	CF Type 2	4.0	320.42	0.072	20	922.82	3.8	3.8	24.62	70.90	BP Type 1	16.90	0.12	42.59
VFB 20130428	CF Type 2	4.0	320.42	0.072	20	922.82	3.8	3.8	24.62	70.90	BP Type 1	16.90	0.12	42.59
VFB 20130428	CF Type 2	4.0	320.42	0.072	20	922.82	3.8	3.8	24.62	70.90	BP Type 1	16.90	0.12	42.59
VFB 20130428	CF Type 2	4.0	320.42	0.072	20	922.82	3.8	3.8	24.62	70.90	BP Type 1	16.90	0.12	42.59
VFB 20130428	CF Type 2	4.0	320.42	0.072	20	922.82	3.8	3.8	24.62	70.90	BP Type 1	16.90	0.12	42.59
VFB 20130428	CF Type 2	4.0	320.42	0.072	20	922.82	3.8	3.8	24.62	70.90	BP Type 1	16.90	0.12	42.59
VFB 20130428	CF Type 2	4.0	320.42	0.072	20	922.82	3.8	3.8	24.62	70.90	BP Type 1	16.90	0.12	42.59
VFB 20130428	CF Type 2	4.0	320.42	0.072	20	922.82	3.8	3.8	24.62	70.90	BP Type 1	16.90	0.12	42.59
VFB 20130428	CF Type 2	4.0	320.42	0.072	20	922.82	3.8	3.8	24.62	70.90	BP Type 1	16.90	0.12	42.59
VFB 20130428	CF Type 2	4.0	320.42	0.072	20	922.82	3.8	3.8	24.62	70.90	BP Type 1	16.90	0.12	42.59
VFB 20130716	CF Type 2	4.0	320.42	0.059	5	189.05	3.0	3.0	19.44	11.47	BP Type 1	16.90	0.12	12.17
VFB 20130716	CF Type 2	4.0	320.42	0.059	5	189.05	3.0	3.0	19.44	11.47	BP Type 1	16.90	0.12	12.17
VFB 20130716	CF Type 2	4.0	320.42	0.059	5	189.05	3.0	3.0	19.44	11.47	BP Type 1	16.90	0.12	12.17
VFB 20130716	CF Type 2	4.0	320.42	0.059	5	189.05	3.0	3.0	19.44	11.47	BP Type 1	16.90	0.12	12.17
VFB 20130716	CF Type 2	4.0	320.42	0.059	5	189.05	3.0	3.0	19.44	11.47	BP Type 1	16.90	0.12	12.17
VFB 20130716	CF Type 2	4.0	320.42	0.059	5	189.05	3.0	3.0	19.44	11.47	BP Type 1	16.90	0.12	12.17

VFB 20130716	CF Type 2	4.0	320.42	0.059	5	189.05	3.0	3.0	19.44	11.47	BP Type 1	16.90	0.12	12.17
VFB 20130716	CF Type 2	4.0	320.42	0.059	5	189.05	3.0	3.0	19.44	11.47	BP Type 1	16.90	0.12	12.17
VFB 20130716	CF Type 2	4.0	320.42	0.059	5	189.05	3.0	3.0	19.44	11.47	BP Type 1	16.90	0.12	12.17
VFB 20130716	CF Type 2	4.0	320.42	0.059	5	189.05	3.0	3.0	19.44	11.47	BP Type 1	16.90	0.12	12.17
VFB 20130716	CF Type 2	4.0	320.42	0.059	5	189.05	3.0	3.0	19.44	11.47	BP Type 1	16.90	0.12	12.17
VFB 20130716	CF Type 2	4.0	320.42	0.059	5	189.05	3.0	3.0	19.44	11.47	BP Type 1	16.90	0.12	12.17
VFB 20130716	CF Type 2	4.0	320.42	0.059	5	189.05	3.0	3.0	19.44	11.47	BP Type 1	16.90	0.12	12.17
VFB 20130716	CF Type 2	4.0	320.42	0.059	5	189.05	3.0	3.0	19.44	11.47	BP Type 1	16.90	0.12	12.17
VFB 20130716	CF Type 2	4.0	320.42	0.059	5	189.05	3.0	3.0	19.44	11.47	BP Type 1	16.90	0.12	12.17
VFB 20130716	CF Type 2	4.0	320.42	0.059	5	189.05	3.0	3.0	19.44	11.47	BP Type 1	16.90	0.12	12.17
VFB 20130716	CF Type 2	4.0	320.42	0.059	5	189.05	3.0	3.0	19.44	11.47	BP Type 1	16.90	0.12	12.17
VFB 20130716	CF Type 2	4.0	320.42	0.059	5	189.05	3.0	3.0	19.44	11.47	BP Type 1	16.90	0.12	12.17
VFB 20130716	CF Type 2	4.0	320.42	0.059	5	189.05	3.0	3.0	19.44	11.47	BP Type 1	16.90	0.12	12.17

End-Plate Type	End-Plate Price（$）	Seal Type	Seal Price（$/Cell）	Seal Price（$）	Membrane Type	Membrane Price（$/m2）	Membrane Area（m^2）	Membrane Price（$）	Flow Field Type	Frame Price（$）	Stack Price（$）	Electrolyte Concentration (mol/L)	Electrolyte Price（$/L）	Electrolyte Volume (L)
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	571.02	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	571.02	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	571.02	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	571.02	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	571.02	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	571.02	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	571.02	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	571.02	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	571.02	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	571.02	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	557.03	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	557.03	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	557.03	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	557.03	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	557.03	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	557.03	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	557.03	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	557.03	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	550.74	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	550.74	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	550.74	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	550.74	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	550.74	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	550.74	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	550.74	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	550.74	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	550.74	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	550.74	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	550.74	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	550.74	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	550.74	1.65	3.38	20

875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	550.74	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	550.74	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	550.74	1.65	3.38	20
875 End-Plate	199.44	S Type 1	2.11	84.51	M Tpye 1	84.51	1.2	101.41	FF Type 2	62.60	550.74	1.65	3.38	20
875 End-Plate	199.44	S Type 2	1.41	56.34	M Tpye 2	1183.10	1.2	1419.72	FF Type 3	62.60	1810.09	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	56.34	M Tpye 2	1183.10	1.2	1419.72	FF Type 3	62.60	1810.09	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	56.34	M Tpye 2	1183.10	1.2	1419.72	FF Type 3	62.60	1810.09	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	56.34	M Tpye 2	1183.10	1.2	1419.72	FF Type 3	62.60	1810.09	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	56.34	M Tpye 2	1183.10	1.2	1419.72	FF Type 3	62.60	1810.09	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	56.34	M Tpye 2	1183.10	1.2	1419.72	FF Type 3	62.60	1810.09	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	56.34	M Tpye 2	1183.10	1.2	1419.72	FF Type 3	62.60	1810.09	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	56.34	M Tpye 2	1183.10	1.2	1419.72	FF Type 3	62.60	1810.09	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	56.34	M Tpye 2	1183.10	1.2	1419.72	FF Type 3	62.60	1810.09	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	56.34	M Tpye 2	1183.10	1.2	1419.72	FF Type 3	62.60	1810.09	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	539.29	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	539.29	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	539.29	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	539.29	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	539.29	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	539.29	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	539.29	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	539.29	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	539.29	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	539.29	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	539.29	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	539.29	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	539.29	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	539.29	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2-Chang	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2-Chang	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2-Chang	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2-Chang	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2-Chang	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2-Chang	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2-Chang	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2-Chang	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2-Chang	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2-Chang	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2-Chang	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20

875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2-Chang	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2-Chang	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2-Chang	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 2	1183.10	0.6	709.86	FF Type 2	31.30	1220.97	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 3-Chang	1408.45	0.6	845.07	FF Type 2	31.30	1356.18	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 3-Chang	1408.45	0.6	845.07	FF Type 2	31.30	1356.18	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 3-Chang	1408.45	0.6	845.07	FF Type 2	31.30	1356.18	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 3-Chang	1408.45	0.6	845.07	FF Type 2	31.30	1356.18	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 3-Chang	1408.45	0.6	845.07	FF Type 2	31.30	1356.18	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 3-Chang	1408.45	0.6	845.07	FF Type 2	31.30	1356.18	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 3-Chang	1408.45	0.6	845.07	FF Type 2	31.30	1356.18	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 3-Chang	1408.45	0.6	845.07	FF Type 2	31.30	1356.18	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 3-Chang	1408.45	0.6	845.07	FF Type 2	31.30	1356.18	1.5	3.07	20
875 End-Plate	199.44	S Type 1	2.11	169.01	M Tpye 1	84.51	2.4	202.82	FF Type 2	125.20	1732.78	1.5	3.07	20
875 End-Plate	199.44	S Type 1	2.11	169.01	M Tpye 1	84.51	2.4	202.82	FF Type 2	125.20	1732.78	1.5	3.07	20
875 End-Plate	199.44	S Type 1	2.11	169.01	M Tpye 1	84.51	2.4	202.82	FF Type 2	125.20	1732.78	1.5	3.07	20
875 End-Plate	199.44	S Type 1	2.11	169.01	M Tpye 1	84.51	2.4	202.82	FF Type 2	125.20	1732.78	1.5	3.07	20
875 End-Plate	199.44	S Type 1	2.11	169.01	M Tpye 1	84.51	2.4	202.82	FF Type 2	125.20	1732.78	1.5	3.07	20
875 End-Plate	199.44	S Type 1	2.11	169.01	M Tpye 1	84.51	2.4	202.82	FF Type 2	125.20	1732.78	1.5	3.07	20
875 End-Plate	199.44	S Type 1	2.11	169.01	M Tpye 1	84.51	2.4	202.82	FF Type 2	125.20	1732.78	1.5	3.07	20
875 End-Plate	199.44	S Type 1	2.11	169.01	M Tpye 1	84.51	2.4	202.82	FF Type 2	125.20	1732.78	1.5	3.07	20
875 End-Plate	199.44	S Type 1	2.11	169.01	M Tpye 1	84.51	2.4	202.82	FF Type 2	125.20	1732.78	1.5	3.07	20
875 End-Plate	199.44	S Type 1	2.11	169.01	M Tpye 1	84.51	2.4	202.82	FF Type 2	125.20	1732.78	1.5	3.07	20
875 End-Plate	199.44	S Type 1	2.11	169.01	M Tpye 1	84.51	2.4	202.82	FF Type 2	125.20	1732.78	1.5	3.07	20
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	522.30	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	522.30	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	522.30	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	522.30	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	522.30	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	522.30	1.5	3.07	15

875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	522.30	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	522.30	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	522.30	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	522.30	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	522.30	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	522.30	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	522.30	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	522.30	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	522.30	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	522.30	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	522.30	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	522.30	1.5	3.07	15
875 End-Plate	199.44	S Type 2	1.41	28.17	M Tpye 1	84.51	0.6	50.70	FF Type 4	31.30	522.30	1.5	3.07	15

Electrolyte Price（$）	Compression Ratio	Charging Cut-Off Voltage (V/Cell)	Current Density	Power	CE %	VE %	EE %	UE %	Discharge Energy (Wh)	Power Cost（$）	Energy Cost（$）	Total Cost（$）	ln(P-cost)	ln(E-cost-80)
67.61	2.1	1.55	80	0.75	96.54	91.36	88.20	68.23	790.04	189.681	171.144	360.825	5.25	4.51
67.61	2.1	1.55	80	0.75	97.28	91.36	88.87	67.71	783.65	189.742	172.541	362.283	5.25	4.53
67.61	2.1	1.55	80	0.75	97.36	91.36	88.94	67.09	776.37	189.786	174.159	363.945	5.25	4.54
67.61	2.1	1.55	120	1.10	98.29	87.50	86.00	58.27	655.35	130.184	206.320	336.504	4.87	4.84
67.61	2.1	1.55	120	1.10	98.22	87.52	85.96	58.06	653.09	130.187	207.032	337.220	4.87	4.84
67.61	2.1	1.55	120	1.10	98.25	87.53	86.00	57.78	649.87	130.178	208.058	338.237	4.87	4.85
67.61	2.1	1.55	160	1.42	98.56	83.82	82.61	48.17	525.85	100.598	257.130	357.728	4.61	5.18
67.61	2.1	1.55	160	1.42	98.73	83.81	82.75	48.05	524.50	100.595	257.792	358.386	4.61	5.18
67.61	2.1	1.55	160	1.42	98.66	83.80	82.68	47.85	522.28	100.610	258.888	359.498	4.61	5.19
67.61	2.1	1.55	200	1.72	98.91	80.14	79.27	37.63	397.71	83.116	339.976	423.092	4.42	5.56
67.61	2.1	1.55	200	1.72	98.96	80.17	79.33	37.72	398.75	83.092	339.084	422.176	4.42	5.56
67.61	2.1	1.55	200	1.72	98.96	80.21	79.37	37.82	399.89	83.089	338.118	421.207	4.42	5.55
67.61	1.5	1.55	80	0.72	97.72	86.44	84.47	65.45	725.65	193.266	186.331	379.597	5.26	4.67
67.61	1.5	1.55	80	0.72	98.42	86.63	85.26	66.10	733.56	193.094	184.323	377.418	5.26	4.65
67.61	1.5	1.55	80	0.72	98.52	86.74	85.46	66.30	736.13	192.972	183.679	376.651	5.26	4.64
67.61	1.5	1.55	100	0.88	98.85	83.73	82.77	59.50	643.39	158.500	210.153	368.653	5.07	4.87
67.61	1.5	1.55	100	0.88	98.81	83.88	82.88	59.81	647.56	158.310	208.800	367.110	5.06	4.86
67.61	1.5	1.55	100	0.88	98.81	83.91	82.91	59.80	647.47	158.310	208.831	367.140	5.06	4.86
67.61	1.5	1.55	120	1.03	99.07	81.03	80.27	52.65	555.38	135.422	243.456	378.878	4.91	5.10
67.61	1.5	1.55	120	1.03	99.04	81.20	80.42	53.34	563.39	135.209	239.995	375.205	4.91	5.08
67.61	1.5	1.55	120	1.03	99.00	81.32	80.51	53.74	568.02	135.153	238.040	373.193	4.91	5.06
67.61	1.5	1.55	140	1.17	99.13	78.61	77.93	46.42	477.94	118.902	282.904	401.806	4.78	5.31
67.61	1.5	1.55	140	1.17	99.06	78.63	77.89	46.61	479.93	118.886	281.734	400.620	4.78	5.31
67.61	1.5	1.55	140	1.17	99.12	78.69	78.00	46.86	482.72	118.848	280.100	398.948	4.78	5.30
67.61	1.5	1.55	160	1.30	99.23	76.04	75.45	39.16	392.90	106.769	344.136	450.905	4.67	5.58
67.61	1.5	1.55	160	1.31	99.26	76.13	75.57	39.51	396.78	106.685	340.773	447.458	4.67	5.56
67.61	1.5	1.55	160	1.31	99.30	76.21	75.67	39.78	399.74	106.608	338.248	444.857	4.67	5.55
67.61	1.5	1.55	80	0.75	94.87	89.91	85.29	65.46	757.72	183.242	178.444	361.686	5.21	4.59
67.61	1.5	1.55	80	0.75	94.12	89.71	84.43	64.79	749.47	183.362	180.410	363.771	5.21	4.61
67.61	1.5	1.55	120	1.09	98.26	84.74	83.26	48.71	542.90	126.693	249.052	375.745	4.84	5.13
67.61	1.5	1.55	120	1.09	98.28	84.67	83.21	48.20	537.11	126.715	251.737	378.452	4.84	5.15
67.61	1.5	1.55	120	1.09	98.39	84.61	83.25	47.81	532.62	126.766	253.858	380.624	4.84	5.16
67.61	1.5	1.55	160	1.39	98.97	79.67	78.85	29.64	316.05	99.321	427.816	527.138	4.60	5.85
67.61	1.5	1.55	160	1.39	98.97	79.74	78.91	29.88	318.81	99.281	424.113	523.394	4.60	5.84
67.61	1.5	1.55	160	1.39	98.86	79.78	78.87	30.08	321.07	99.239	421.130	520.370	4.60	5.83
67.61	1.5	1.55	80	0.74	97.39	89.03	86.70	65.82	747.84	186.438	180.802	367.240	5.23	4.61
67.61	1.5	1.55	80	0.74	98.08	89.02	87.31	65.80	747.51	186.470	180.883	367.353	5.23	4.61
67.61	1.5	1.55	80	0.74	98.24	89.02	87.45	65.65	745.69	186.492	181.323	367.815	5.23	4.62
67.61	1.5	1.55	120	1.07	98.93	84.17	83.27	53.17	581.10	129.210	232.682	361.892	4.86	5.03
67.61	1.5	1.55	120	1.07	98.82	84.23	83.24	53.27	582.34	129.154	232.185	361.338	4.86	5.03
67.61	1.5	1.55	120	1.07	98.86	84.27	83.31	53.30	582.92	129.133	231.955	361.088	4.86	5.02
67.61	1.5	1.55	160	1.36	99.16	79.65	78.98	39.90	418.94	100.882	322.744	423.626	4.61	5.49
67.61	1.5	1.55	160	1.37	99.41	79.74	79.27	40.35	423.96	100.808	318.927	419.735	4.61	5.48

67.61	1.5	1.55	160	1.37	99.25	79.82	79.22	40.60	426.79	100.756	316.811	417.567	4.61	5.47
67.61	1.5	1.55	200	1.63	99.57	75.32	75.00	27.12	266.01	84.247	508.293	592.539	4.43	6.06
67.61	1.5	1.55	200	1.64	99.43	75.46	75.03	27.61	272.80	84.133	495.634	579.767	4.43	6.03
67.61	1.5	1.55	200	1.64	99.58	75.60	75.28	28.20	278.08	84.027	486.231	570.257	4.43	6.01
46.09	1.5	1.55	80	0.75	95.56	90.55	86.54	83.32	657.15	599.976	140.287	740.263	6.40	4.10
46.09	1.5	1.55	80	0.75	96.19	90.62	87.17	83.59	659.02	600.185	139.888	740.073	6.40	4.09
46.09	1.5	1.55	80	0.75	96.15	90.58	87.09	83.26	655.93	600.669	140.548	741.217	6.40	4.10
46.09	1.5	1.55	100	0.93	95.27	88.54	84.35	77.37	599.74	488.422	153.716	642.138	6.19	4.30
46.09	1.5	1.55	100	0.93	96.71	88.38	85.47	77.03	596.73	488.747	154.490	643.237	6.19	4.31
46.09	1.5	1.55	100	0.93	96.63	88.31	85.34	76.75	594.17	489.055	155.156	644.211	6.19	4.32
46.09	1.5	1.55	100	0.92	96.46	88.24	85.12	76.44	591.43	489.334	155.875	645.209	6.19	4.33
46.09	1.5	1.55	120	1.09	95.30	86.23	82.17	70.31	534.93	414.727	172.340	587.067	6.03	4.53
46.09	1.5	1.55	120	1.09	96.78	86.12	83.35	70.25	534.22	414.901	172.568	587.469	6.03	4.53
46.09	1.5	1.55	120	1.09	96.63	86.09	83.19	70.25	534.04	415.056	172.625	587.682	6.03	4.53
46.09	1.5	1.55	120	1.09	96.63	86.05	83.15	70.29	534.04	415.262	172.627	587.889	6.03	4.53
46.09	1.5	1.55	140	1.25	95.80	84.03	80.50	64.22	479.37	362.356	192.316	554.672	5.89	4.72
46.09	1.5	1.55	140	1.25	96.76	84.02	81.30	64.70	482.91	362.365	190.906	553.271	5.89	4.71
46.09	4	1.55	80	0.31	97.61	91.10	88.93	60.45	478.73	434.898	192.571	627.469	6.08	4.72
46.09	4	1.55	80	0.31	97.83	91.07	89.10	60.04	475.21	435.141	193.996	629.137	6.08	4.74
46.09	4	1.55	100	0.38	98.53	89.05	87.74	56.56	441.11	353.353	208.995	562.348	5.87	4.86
46.09	4	1.55	100	0.38	98.43	89.05	87.66	56.28	438.81	353.435	210.089	563.524	5.87	4.87
46.09	4	1.55	100	0.38	98.62	89.01	87.78	56.11	437.40	353.503	210.765	564.269	5.87	4.87
46.09	4	1.55	120	0.45	98.77	87.10	86.03	52.47	403.03	298.931	228.739	527.670	5.70	5.00
46.09	4	1.55	120	0.45	98.73	87.10	85.99	52.25	401.27	298.980	229.743	528.723	5.70	5.01
46.09	4	1.55	120	0.45	98.81	87.05	86.02	51.99	399.24	299.061	230.914	529.975	5.70	5.02
46.09	4	1.55	140	0.52	99.00	85.14	84.29	47.85	361.91	260.249	254.728	514.977	5.56	5.16
46.09	4	1.55	140	0.52	98.97	85.15	84.27	47.78	361.41	260.261	255.084	515.345	5.56	5.17
46.09	4	1.55	140	0.52	98.94	85.16	84.26	47.68	360.59	260.260	255.664	515.924	5.56	5.17
46.09	4	1.55	160	0.58	99.06	83.28	82.49	43.16	321.35	231.303	286.881	518.184	5.44	5.33
46.09	4	1.55	160	0.58	98.95	83.25	82.38	43.01	320.17	231.369	287.938	519.307	5.44	5.34
46.09	4	1.55	160	0.58	99.05	83.22	82.44	42.84	318.89	231.375	289.093	520.469	5.44	5.34
46.09	4	1.55	180	0.64	96.82	81.42	78.83	37.90	277.51	209.078	332.204	541.282	5.34	5.53
46.09	4	1.55	180	0.64	99.23	81.36	80.73	37.94	277.87	209.028	331.775	540.803	5.34	5.53
46.09	4	1.55	180	0.64	99.22	81.36	80.73	37.92	277.70	209.039	331.975	541.014	5.34	5.53
46.09	4	1.55	180	0.64	99.11	81.36	80.64	37.75	276.44	209.053	333.488	542.541	5.34	5.54
46.09	4	1.55	200	0.70	99.39	79.51	79.02	32.74	235.76	191.319	391.035	582.354	5.25	5.74
46.09	4	1.55	200	0.70	99.34	79.54	79.01	32.76	235.99	191.280	390.642	581.922	5.25	5.74
61.46	2	1.55	80	0.38	96.32	91.37	88.01	74.00	583.67	810.708	210.596	1021.304	6.70	4.87
61.46	2	1.55	80	0.38	96.28	91.25	87.85	73.56	579.33	811.874	212.174	1024.048	6.70	4.88
61.46	2	1.55	100	0.46	96.30	89.21	85.91	70.52	546.67	659.881	224.852	884.732	6.49	4.98
61.46	2	1.55	100	0.46	96.06	89.24	85.72	70.91	549.45	660.163	223.715	883.877	6.49	4.97
61.46	2	1.55	100	0.46	95.85	89.25	85.55	71.33	552.54	660.289	222.461	882.750	6.49	4.96
61.46	2	1.55	120	0.55	96.14	87.40	84.03	68.63	523.77	558.546	234.684	793.230	6.33	5.04
61.46	2	1.55	120	0.55	96.08	87.40	83.97	69.06	526.87	558.687	233.301	791.988	6.33	5.03
61.46	2	1.55	120	0.55	95.99	87.40	83.90	69.43	529.58	558.849	232.106	790.955	6.33	5.02
61.46	2	1.55	140	0.63	96.22	85.60	82.36	66.37	498.48	486.455	246.589	733.044	6.19	5.12
61.46	2	1.55	140	0.63	96.13	85.61	82.30	66.66	500.49	486.607	245.597	732.204	6.19	5.11
61.46	2	1.55	140	0.63	96.04	85.62	82.23	66.90	502.13	486.735	244.796	731.531	6.19	5.10

61.46	2	1.55	160	0.71	96.19	83.84	80.65	63.30	467.71	432.685	262.811	695.496	6.07	5.21
61.46	2	1.55	160	0.71	96.18	83.88	80.67	63.60	469.81	432.751	261.636	694.387	6.07	5.20
61.46	2	1.55	160	0.71	96.05	83.91	80.59	63.87	471.77	432.788	260.550	693.338	6.07	5.20
61.46	2	1.55	80	0.37	92.82	91.24	84.69	83.28	869.42	816.651	141.381	958.032	6.71	4.12
61.46	2	1.55	80	0.37	92.61	91.36	84.61	83.09	868.32	815.874	141.559	957.434	6.70	4.12
61.46	2	1.55	80	0.37	92.72	91.42	84.77	82.42	861.97	815.290	142.603	957.893	6.70	4.14
61.46	2	1.55	100	0.46	93.63	89.51	83.81	77.68	801.33	661.188	153.394	814.582	6.49	4.30
61.46	2	1.55	100	0.46	93.62	89.58	83.86	76.95	794.18	660.894	154.774	815.668	6.49	4.31
61.46	2	1.55	100	0.46	93.64	89.56	83.87	76.17	786.13	660.844	156.360	817.205	6.49	4.34
61.46	2	1.55	120	0.55	94.14	87.75	82.61	71.61	728.82	558.453	168.655	727.108	6.33	4.48
61.46	2	1.55	120	0.55	94.11	87.77	82.60	70.97	722.47	558.386	170.137	728.522	6.33	4.50
61.46	2	1.55	120	0.55	94.11	87.77	82.60	70.23	714.95	558.389	171.928	730.317	6.33	4.52
61.46	2	1.55	140	0.63	94.46	85.99	81.22	66.05	662.82	485.463	185.449	670.912	6.19	4.66
61.46	2	1.55	140	0.63	94.36	86.03	81.18	65.60	658.40	485.415	186.695	672.110	6.19	4.67
61.46	2	1.55	140	0.63	94.39	86.04	81.22	64.92	651.57	485.329	188.652	673.981	6.18	4.69
61.46	2	1.55	160	0.71	94.73	84.19	79.75	60.46	597.81	431.108	205.616	636.724	6.07	4.83
61.46	2	1.55	160	0.71	94.74	84.20	79.77	60.21	595.44	431.045	206.436	637.480	6.07	4.84
61.46	2	1.55	160	0.71	94.73	84.20	79.76	59.84	591.76	431.038	207.720	638.757	6.07	4.85
61.46	2	1.55	100	0.46	95.92	88.38	84.77	78.60	803.00	741.573	153.076	894.648	6.61	4.29
61.46	2	1.55	100	0.46	95.87	88.41	84.76	78.60	802.81	741.756	153.112	894.868	6.61	4.29
61.46	2	1.55	100	0.46	95.82	88.42	84.72	78.47	801.38	741.868	153.385	895.253	6.61	4.30
61.46	2	1.55	120	0.54	96.25	86.45	83.21	74.20	745.76	628.205	164.824	793.029	6.44	4.44
61.46	2	1.55	120	0.54	96.17	86.48	83.17	74.18	745.54	628.230	164.872	793.102	6.44	4.44
61.46	2	1.55	120	0.54	96.19	86.50	83.20	73.73	740.91	628.235	165.904	794.139	6.44	4.45
61.46	2	1.55	140	0.62	96.69	84.36	81.57	68.34	675.42	547.508	181.988	729.496	6.31	4.62
61.46	2	1.55	140	0.62	96.69	84.33	81.54	68.13	673.26	547.585	182.572	730.157	6.31	4.63
61.46	2	1.55	140	0.62	96.59	84.32	81.44	67.90	670.94	547.616	183.205	730.821	6.31	4.64
61.46	2	1.55	160	0.70	96.79	82.39	79.74	62.64	608.61	487.334	201.968	689.302	6.19	4.80
61.46	2	1.55	160	0.70	96.83	82.38	79.77	62.54	607.62	487.333	202.297	689.630	6.19	4.81
61.46	2	1.55	160	0.70	96.85	82.37	79.78	62.52	607.47	487.373	202.346	689.719	6.19	4.81
61.46	2	1.55	100	0.46	95.92	88.38	84.77	78.60	803.00	947.503	153.076	1100.579	6.85	4.29
61.46	2	1.55	100	0.46	95.87	88.41	84.76	78.60	802.81	947.738	153.112	1100.850	6.85	4.29
61.46	2	1.55	100	0.46	95.82	88.42	84.72	78.47	801.38	947.880	153.385	1101.265	6.85	4.30
61.46	2	1.55	120	0.54	96.25	86.45	83.21	74.20	745.76	802.654	164.824	967.478	6.69	4.44
61.46	2	1.55	120	0.54	96.17	86.48	83.17	74.18	745.54	802.686	164.872	967.558	6.69	4.44
61.46	2	1.55	120	0.54	96.19	86.50	83.20	73.73	740.91	802.692	165.904	968.596	6.69	4.45
61.46	2	1.55	140	0.62	96.69	84.36	81.57	68.34	675.42	699.547	181.988	881.536	6.55	4.62
61.46	2	1.55	140	0.62	96.69	84.33	81.54	68.13	673.26	699.646	182.572	882.218	6.55	4.63
61.46	2	1.55	140	0.62	96.59	84.32	81.44	67.90	670.94	699.686	183.205	882.891	6.55	4.64
61.46	2	1.55	160	0.70	96.79	82.39	79.74	62.64	608.61	622.663	201.968	824.631	6.43	4.80
61.46	2	1.55	160	0.70	96.83	82.38	79.77	62.54	607.62	622.663	202.297	824.959	6.43	4.81
61.46	2	1.55	160	0.70	96.85	82.37	79.78	62.52	607.47	622.713	202.346	825.059	6.43	4.81
46.09	4	1.55	80	0.31	96.74	91.14	88.16	60.82	481.96	420.909	191.281	612.190	6.04	4.71
46.09	4	1.55	80	0.31	97.61	91.10	88.93	60.45	478.73	421.194	192.571	613.765	6.04	4.72
46.09	4	1.55	80	0.31	97.83	91.07	89.10	60.04	475.21	421.430	193.996	615.426	6.04	4.74
46.09	4	1.55	100	0.38	98.53	89.05	87.74	56.56	441.11	342.219	208.995	551.214	5.84	4.86
46.09	4	1.55	100	0.38	98.43	89.05	87.66	56.28	438.81	342.298	210.089	552.387	5.84	4.87
46.09	4	1.55	100	0.38	98.62	89.01	87.78	56.11	437.40	342.365	210.765	553.130	5.84	4.87

46.09	4	1.55	120	0.45	98.77	87.10	86.03	52.47	403.03	289.511	228.739	518.251	5.67	5.00
46.09	4	1.55	120	0.45	98.73	87.10	85.99	52.25	401.27	289.559	229.743	519.303	5.67	5.01
46.09	4	1.55	120	0.45	98.81	87.05	86.02	51.99	399.24	289.637	230.914	520.551	5.67	5.02
46.09	4	1.55	140	0.52	99.00	85.14	84.29	47.85	361.91	252.048	254.728	506.776	5.53	5.16
46.09	4	1.55	140	0.52	98.97	85.15	84.27	47.78	361.41	252.061	255.084	507.145	5.53	5.17
46.09	4	1.55	140	0.52	98.94	85.16	84.26	47.68	360.59	252.060	255.664	507.723	5.53	5.17
46.09	4	1.55	160	0.58	99.06	83.28	82.49	43.16	321.35	224.015	286.881	510.896	5.41	5.33
46.09	4	1.55	160	0.58	98.95	83.25	82.38	43.01	320.17	224.079	287.938	512.017	5.41	5.34
46.09	4	1.55	160	0.58	99.05	83.22	82.44	42.84	318.89	224.084	289.093	513.178	5.41	5.34
46.09	4	1.55	180	0.64	99.23	81.36	80.73	37.94	277.87	202.441	331.775	534.217	5.31	5.53
46.09	4	1.55	180	0.64	99.22	81.36	80.73	37.92	277.70	202.453	331.975	534.427	5.31	5.53
46.09	4	1.55	180	0.64	99.11	81.36	80.64	37.75	276.44	202.466	333.488	535.954	5.31	5.54
46.09	4	1.55	200	0.70	99.39	79.51	79.02	32.74	235.76	185.291	391.035	576.326	5.22	5.74
46.09	4	1.55	200	0.70	99.34	79.54	79.01	32.76	235.99	185.253	390.642	575.895	5.22	5.74