Table 1: Comparison of Exact Methods and Heuristics

F: *Feasible Solution*
N/A: *No Solution Found*

RESULTS ON SMALL TESTS									
Test	Input sizes		CP		Heuristics				
	N classes	M rooms	f	t(s)	f min	f max	f avg	std dev	t avg(s)
input1.txt	6	10	6	0.040600000	6	6	6	0	0.000362
input2.txt	5	3	5	0.028500000	5	5	5	0	0.000039
input3.txt	14	9	14	0.047000000	14	14	14	0	0.000138
input4.txt	12	1	3	0.013700000	3	3	3	0	0.000126
input5.txt	20	6	20	0.046600000	20	20	20	0	0.000145
input6.txt	14	3	14	0.030700000	14	14	14	0	0.000083
input7.txt	9	8	9	0.027500000	9	9	9	0	0.000051
input8.txt	2	5	2	0.014100000	2	2	2	0	0.000029
input9.txt	9	7	9	0.032200000	9	9	9	0	0.000052
input10.txt	2	9	2	0.013900000	2	2	2	0	0.000068
input11.txt	18	4	18	0.047300000	18	18	18	0	0.000167
input12.txt	2	1	2	0.013800000	2	2	2	0	0.000063
input13.txt	8	8	8	0.032700000	8	8	8	0	0.000045
input14.txt	18	1	16	0.029300000	14	14	14	0	0.000090
input15.txt	19	7	14	0.045600000	13	13	13	0	0.000193
input16.txt	10	4	10	0.030400000	10	10	10	0	0.000104
input17.txt	2	5	2	0.014300000	2	2	2	0	0.000068
input18.txt	1	6	1	0.014200000	1	1	1	0	0.000081
input19.txt	9	7	9	0.033100000	9	9	9	0	0.000143
input20.txt	8	3	8	0.028500000	8	8	8	0	0.000075
input21.txt	3	9	3	0.015000000	3	3	3	0	0.000101
input22.txt	15	4	15	0.033700000	15	15	15	0	0.000071
input23.txt	11	5	11	0.028400000	11	11	11	0	0.000107
input24.txt	17	8	17	0.062900000	17	17	17	0	0.000079
input25.txt	19	5	19	0.045600000	17	17	17	0	0.000077
input26.txt	1	8	1	0.013000000	1	1	1	0	0.000227
input27.txt	9	3	9	0.032500000	9	9	9	0	0.000089
input28.txt	8	8	8	0.029100000	8	8	8	0	0.000083
input29.txt	6	10	6	0.028900000	6	6	6	0	0.000081
input30.txt	1	9	1	0.011100000	1	1	1	0	0.000048
input31.txt	8	10	8	0.033800000	8	8	8	0	0.000128
input32.txt	14	7	14	0.048500000	14	14	14	0	0.000298
input33.txt	5	3	5	0.028300000	5	5	5	0	0.000106
input34.txt	12	8	12	0.043200000	12	12	12	0	0.000080
input35.txt	12	2	12	0.032200000	12	12	12	0	0.000138
input36.txt	16	4	8	0.028900000	8	8	8	0	0.000088
input37.txt	11	7	11	0.031600000	11	11	11	0	0.000081
input38.txt	14	3	13	0.028400000	13	13	13	0	0.000084
input39.txt	8	7	8	0.030400000	8	8	8	0	0.000051
input40.txt	2	7	2	0.014900000	2	2	2	0	0.000074
input41.txt	18	2	13	0.031600000	13	13	13	0	0.000080
input42.txt	20	4	20	0.046000000	19	19	19	0	0.000184
input43.txt	14	5	14	0.030600000	14	14	14	0	0.000070
input44.txt	18	8	18	0.047200000	18	18	18	0	0.000282
input45.txt	2	10	2	0.011500000	2	2	2	0	0.000059
input46.txt	11	9	11	0.048200000	11	11	11	0	0.000063
input47.txt	5	7	5	0.030400000	5	5	5	0	0.000083
input48.txt	16	1	16	0.029600000	16	16	16	0	0.000085
input49.txt	7	8	7	0.030800000	7	7	7	0	0.000045
input50.txt	10	3	10	0.029700000	10	10	10	0	0.000076