

## 1 without cuts

### 1.1 with default settings

first sol.		final sol.			
time(s)	gap	time	gap	%opt	root gap
0.191592	0.0340969	34.7534	9.86058e-07	100	-0.548572

### 1.2 with $t_{e+1} - t_e$ bounds

first sol.		final sol.			
time(s)	gap	time	gap	%opt	root gap
0.170545	0.0328778	30.2945	8.58986e-07	100	-0.552093

## 2 with cuts

### 2.1 with preemptive cuts

first sol.		final sol.				
time(s)	gap	time	gap	%opt	# cuts	root gap
0.178289	0.0383951	30.3072	1.46653e-06	100	1	-inf

### 2.2 with preemptive cuts and $t_{e+1} - t_e$ bounds

first sol.		final sol.				
time(s)	gap	time	gap	%opt	# cuts	root gap
0.290435	0.0328078	33.052	1.0025e-06	100	1	-0.550327