Parameter Configuration in Computational Tests

	A	B	C	D
Parameter	**sBaB (Algorithm 2) incorporating Algorithm 1**	**sBaB (Algorithm 2) with slack variable approach**	**sBaB (Algorithm 2) incorporating Algorithm 1**	**sBaB (Algorithm 2) incorporating Algorithm 1**
Tolerance [tol_init]	0.1	0.1	0.1	0.1
Max iterations [maxiter_init]	10000	10000	10000	10000
Max time in sec. [maxtime_init]	7200	7200	7200	7200
Use OBBT [use_obbt]	True	True	False	False
Use FBBT [use_fbbt]	False	False	False	False
Debugging [debug_init]	False	False	False	False
Artificially enlarge initial boxes [enlarge_box_constraints_init]	True	True	True	**False**
Restrict to exhaustive seq. of boxes around optimal point [tunnel_approach_init]	False	False	**True**	**True**
Strict removal of boxes based on lines 3-4 in Algorithm 1 [strict_removal_init]	True	True	True	**False**
Slack variable approach [var_lifting_init]	False	**True**	False	False

	1	2	3	4	5
Parameter	**MIR**	**MIR_H**	**KRAW**	**NARR_S**	**NARR_I**
Matrix inversion step in Miranda's method [inversion_phase_init]	True	False	-	-	-
Construct narrow box around local solution [narrow_box_init]	-	-	False	True	True
Size of narrow box [narrow_box_tol_init]	-	-	-	1e-5	1e-5
Used local solver [local_solver]	-	-	-	slsqp	ipopt

Some results may slightly deviate on a different machine.

Slightly different results can be achieved if you replace usage of interval arithmetic with centered forms in the code, or vice versa.

Sometimes, in the results, there are two different versions for a test problem. In such a case, a second test was made with a slightly altering model formulation or using a differing initial box.