

Testing Report

Operator Overload Test

plus / +

	var_free	var_nn	var_sdp	var_symm	expression	Constant
var_free	✓	✓	✓	✓	✓	✓
var_nn	✓	✓	✓	✓	✓	✓
var_sdp	✓	✓	✓	✓	✓	✓
var_symm	✓	✓	✓	✓	✓	✓
expression	✓	✓	✓	✓	✓	✓
Constant	✓	✓	✓	✓	✓	

minus / -

	var_free	var_nn	var_sdp	var_symm	expression	Constant
var_free	✓	✓	✓	✓	✓	✓
var_nn	✓	✓	✓	✓	✓	✓
var_sdp	✓	✓	✓	✓	✓	✓
var_symm	✓	✓	✓	✓	✓	✓
expression	✓	✓	✓	✓	✓	✓
Constant	✓	✓	✓	✓	✓	

mtimes / *

	var_free	var_nn	var_sdp	var_symm	expression
scalar	✓	✓	✓	✓	✓
matrix	✓	✓	not possible	not possible	✓
cell	✓	✓	✓	✓	not supported yet

eq / ==

	var_free	var_nn	var_sdp	var_symm	expression	Constant
var_free	✓	✓	✓	✓	✓	✓
var_nn	✓	✓	✓	✓	✓	✓
var_sdp	✓	✓	✓	✓	✓	✓
var_symm	✓	✓	✓	✓	✓	✓
expression	✓	✓	✓	✓	✓	✓
Constant	✓	✓	✓	✓	✓	

ge / >=

	var_free	var_nn	var_sdp	var_symm	expression	Constant
var_free	✓	✓	✓	✓	✓	✓
var_nn	✓	✓	✓	✓	✓	✓
var_sdp	✓	✓	✓	✓	✓	✓
var_symm	✓	✓	✓	✓	✓	✓
expression	✓	✓	✓	✓	✓	✓
Constant	✓	✓	✓	✓	✓	

le / <=

	var_free	var_nn	var_sdp	var_symm	expression	Constant
var_free	✓	✓	✓	✓	✓	✓
var_nn	✓	✓	✓	✓	✓	✓
var_sdp	✓	✓	✓	✓	✓	✓
var_symm	✓	✓	✓	✓	✓	✓
expression	✓	✓	✓	✓	✓	✓
Constant	✓	✓	✓	✓	✓	

other operator

	var_free	var_nn	var_sdp	var_symm	expression
times/ .*	✓	✓	✓	✓	Not support yet
uplus/ +	✓	✓	✓	✓	✓
uminus/ -	✓	✓	✓	✓	✓

Predefined Maps Test

	var_free	var_nn	var_sdp	var_symm	expression
get_value	✓	✓	✓	✓	Not supported
inprod	✓	✓	✓	✓	Not supported yet
l1_norm	✓	✓	✓	✓	✓
map_diag	✓	✓	✓	✓	Not supported yet
map_vec	✓	✓	Not supported	Not supported	Not supported
map_svec	Not supported	Not supported	✓	✓	Not supported
sum	✓	✓	✓	✓	Not supported yet
trace	✓	✓	✓	✓	Not supported

Functions in sdp_model

add_affine_constraint

lower_bound	upper_bound	twodirect_bound	affine_expression	chain
✓	✓	✓	✓	✓

add_psd_constraint

lower_bound	upper_bound	twodirect_bound	affine_expression	chain
✓	✓	✓	✓	✓

Others

add_variable	minimize	maximize	setparameter
✓	✓	✓	✓