5.183 in_set

DESCRIPTION LINKS

Origin Used for defining constraints with set variables.

Constraint in_set(VAL, SET)

Synonyms dom, member.

Arguments

VAL	:	dvar
SET	:	svar

Purpose Constraint variable VAL to belong to set SET.

Example $(3, \{1, 3\})$

Remark When SET is fixed the in_set constraint is referenced under the name dom in **Gecode**.

Systems member in **Choco**, rel in **Gecode**, dom in **Gecode**.

Used in bipartite, clique, connected, cutset, dag, discrepancy, disj, inverse_set, k_cut, link_set_to_booleans, open_alldifferent, open_among, open_atleast, open_atmost, open_global_cardinality, open_global_cardinality_low_up, path_from_to, proper_forest, roots, strongly_connected, sum, sum_set, symmetric, symmetric_cardinality, symmetric_gcc, tour.

See also **common keyword:** in *(value constraint)*.

specialisation: in_interval *(set variable replaced by fixed interval)*.

Keywords **constraint arguments:** constraint involving set variables.

constraint type: predefined constraint, value constraint.

modelling: included.