

5.158 `in_set`

	DESCRIPTION	LINKS
Origin	Used for defining constraints with set variables.	
Constraint	<code>in_set(VAL, SET)</code>	
Synonyms	<code>dom</code> , <code>member</code> .	
Arguments	VAL : <code>dvar</code> SET : <code>svar</code>	
Purpose	Constraint variable VAL to belong to set SET.	
Example	<code>(3, {1, 3})</code>	
Remark	When SET is fixed the <code>in_set</code> constraint is referenced under the name <code>dom</code> in Gecode .	
Systems	<code>member</code> in Choco , <code>dom</code> in Gecode , <code>rel</code> 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: <code>in</code> (<i>value constraint</i>). specialisation: <code>in_interval</code> (<i>set variable replaced by fixed interval</i>).	
Keywords	constraint arguments: constraint involving set variables. constraint type: predefined constraint, value constraint. modelling: included.	

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