

5.183 `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>rel</code> in Gecode , <code>domin</code> in Gecode .	
Used in	<code>bipartite</code> , <code>clique</code> , <code>connected</code> , <code>cutset</code> , <code>dag</code> , <code>discrepancy</code> , <code>disj</code> , <code>inverse_set</code> , <code>k_cut</code> , <code>link_set_to_booleans</code> , <code>open_alldifferent</code> , <code>open_among</code> , <code>open_atleast</code> , <code>open_atmost</code> , <code>open_global_cardinality</code> , <code>open_global_cardinality_low_up</code> , <code>path_from_to</code> , <code>proper_forest</code> , <code>roots</code> , <code>strongly_connected</code> , <code>sum</code> , <code>sum_set</code> , <code>symmetric</code> , <code>symmetric_cardinality</code> , <code>symmetric_gcc</code> , <code>tour</code> .	
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.	

20030820

1353