

5.127 eq

	DESCRIPTION	LINKS
Origin	Arithmetic.	
Constraint	<code>eq(VAR1, VAR2)</code>	
Synonym	<code>xeqy</code> .	
Arguments	VAR1 : <code>dvar</code> VAR2 : <code>dvar</code>	
Restriction		
Purpose	Enforce the fact that two variables are equal.	
Example	<div style="border: 1px solid black; padding: 2px; display: inline-block;">(8, 8)</div> The eq constraint holds since 8 is equal to 8.	
Symmetries	<ul style="list-style-type: none"> Arguments are permutable w.r.t. permutation (VAR1, VAR2). All occurrences of a value in VAR1 or VAR2 can be renamed to any unused value. 	
Systems	<code>eq</code> in Choco , <code>rel</code> in Gecode , <code>xeqy</code> in JaCoP , <code>#=</code> in SICStus .	
See also	common keyword: <code>gt</code> , <code>lt</code> (<i>binary constraint, arithmetic constraint</i>). generalisation: <code>all_equal</code> (<i>equality between more than two variables</i>), <code>eq_cst</code> (<i>constant added</i>), <code>eq_set</code> (<i>variable replaced by set variable</i>). implies: <code>abs_value</code> , <code>geq</code> , <code>leq</code> . negation: <code>neq</code> .	
Keywords	constraint arguments: binary constraint. constraint type: predefined constraint, arithmetic constraint. filtering: arc-consistency.	

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