

5.272 neq

	DESCRIPTION	LINKS
Origin	Arithmetic.	
Constraint	<code>neq(VAR1, VAR2)</code>	
Synonym	<code>rel</code> .	
Arguments	<pre>VAR1 : dvar VAR2 : dvar</pre>	
Purpose	Enforce the fact that two variables are not equal.	
Example	<div style="border: 1px solid black; padding: 2px; display: inline-block;">(1, 8)</div> <p>The <code>neq</code> constraint holds since 1 is not equal to 8.</p>	
Symmetries	<ul style="list-style-type: none"> Arguments are permutable w.r.t. permutation (VAR1, VAR2). A value in VAR1 or VAR2 can be renamed to any unused value. 	
Systems	<code>neq</code> in Choco , <code>rel</code> in Gecode , <code>#"<code>=</code>"</code> in SICStus .	
See also	<p>common keyword: <code>geq</code>, <code>leq</code> (<i>binary constraint, arithmetic constraint</i>).</p> <p>generalisation: <code>neq_cst</code> (<i>constant added</i>), <code>not_all_equal</code>.</p> <p>implied by: <code>gt</code>, <code>lt</code>.</p> <p>negation: <code>eq</code>.</p> <p>system of constraints: <code>alldifferent</code>.</p>	
Keywords	<p>constraint arguments: binary constraint.</p> <p>constraint type: predefined constraint, arithmetic constraint.</p> <p>filtering: arc-consistency.</p>	

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