

5.224 neq

	DESCRIPTION	LINKS
Origin	Arithmetic.	
Constraint	<code>neq(VAR1, VAR2)</code>	
Synonym	<code>rel</code> .	
Arguments	VAR1 : <code>dvar</code> VAR2 : <code>dvar</code>	
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> The <code>neq</code> constraint holds since 1 is not equal to 8.	
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> in SICStus .	
See also	common keyword: <code>geq</code> , <code>leq</code> (<i>binary constraint, arithmetic constraint</i>). generalisation: <code>neq_cst</code> (<i>constant added</i>), <code>not_all_equal</code> . implied by: <code>gt</code> , <code>lt</code> . negation: <code>eq</code> . system of constraints: <code>alldifferent</code> .	
Keywords	constraint arguments: binary constraint. constraint type: predefined constraint, arithmetic constraint. filtering: arc-consistency.	

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