

5.273 neq_cst

	DESCRIPTION	LINKS
Origin	Arithmetic.	
Constraint	<code>neq_cst(VAR1, VAR2, CST2)</code>	
Arguments	VAR1 : dvar VAR2 : dvar CST2 : int	
Purpose	Enforce the fact that the first variable is different from the sum of the second variable and the constant.	
Example	<div style="border: 1px solid black; padding: 2px; display: inline-block;">(8, 2, 7)</div> The <code>neq_cst</code> constraint holds since 8 is different from $2 + 7$.	
Typical	$CST2 \neq 0$ $VAR1 \neq VAR2 + CST2$	
Symmetries	<ul style="list-style-type: none"> Arguments are permutable w.r.t. permutation (VAR1) (VAR2, CST2). One and the same constant can be added to VAR1 and VAR2. One and the same constant can be added to VAR1 and CST2. 	
See also	negation: eq_cst . specialisation: neq (<i>constant removed</i>).	
Keywords	characteristic of a constraint: disequality . constraint arguments: binary constraint . constraint type: predefined constraint , arithmetic constraint . filtering: arc-consistency .	

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