

5.219 `leq_cst`

DESCRIPTION

LINKS

Origin	Arithmetic.
Constraint	<code>leq_cst(VAR1, VAR2, CST2)</code>
Arguments	VAR1 : <code>dvar</code> VAR2 : <code>dvar</code> CST2 : <code>int</code>
Purpose	Enforce the fact that the first variable is less than or equal to the sum of the second variable and the constant.
Example	<div>(5, 2, 4)</div> <p>The <code>leq_cst</code> constraint holds since 5 is less than or equal to $2 + 4$.</p>
Typical	$CST2 \neq 0$ $VAR1 < VAR2 + CST2$
Symmetries	<ul style="list-style-type: none"> Arguments are permutable w.r.t. permutation (VAR1) (VAR2, CST2). VAR1 can be replaced by any value $\leq VAR2 + CST2$. VAR2 can be replaced by any value $\geq VAR1 - CST2$. CST2 can be replaced by any value $\geq VAR1 - VAR2$.
See also	common keyword: <code>geq_cst</code> (<i>binary constraint, arithmetic constraint</i>). implied by: <code>distance</code> , <code>eq_cst</code> . specialisation: <code>leq</code> (<i>constant set to 0</i>).
Keywords	constraint arguments: binary constraint. constraint type: predefined constraint, arithmetic constraint. filtering: arc-consistency. modelling exercises: metro.

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