

## 5.238 lt

	DESCRIPTION	LINKS
<b>Origin</b>	Arithmetic.	
<b>Constraint</b>	$lt(VAR1, VAR2)$	
<b>Synonyms</b>	rel, xltly.	
<b>Arguments</b>	VAR1 : <a href="#">dvar</a> VAR2 : <a href="#">dvar</a>	
<b>Purpose</b>	Enforce the fact that the first variable is strictly less than the second variable.	
<b>Example</b>	(1, 8)	
	The <code>lt</code> constraint holds since 1 is strictly less than 8.	
<b>Symmetries</b>	<ul style="list-style-type: none"> <li>• VAR1 can be replaced by any value <math>&lt;</math> VAR2.</li> <li>• VAR2 can be replaced by any value <math>&gt;</math> VAR1.</li> </ul>	
<b>Systems</b>	<code>lt</code> in <a href="#">Choco</a> , <code>rel</code> in <a href="#">Gecode</a> , <code>xltly</code> in <a href="#">JaCoP</a> , <code>#j</code> in <a href="#">SICStus</a> .	
<b>See also</b>	<b>common keyword:</b> <a href="#">eq</a> ( <i>binary constraint, arithmetic constraint</i> ). <b>implies:</b> <a href="#">leq</a> , <a href="#">neq</a> . <b>implies (if swap arguments):</b> <a href="#">gt</a> . <b>negation:</b> <a href="#">geq</a> .	
<b>Keywords</b>	<b>constraint arguments:</b> <a href="#">binary constraint</a> . <b>constraint type:</b> <a href="#">predefined constraint</a> , <a href="#">arithmetic constraint</a> . <b>filtering:</b> <a href="#">arc-consistency</a> .	

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