

## 5.239 lt

	DESCRIPTION	LINKS
Origin	Arithmetic.	
Constraint	<code>lt(VAR1,VAR2)</code>	
Synonyms	<code>rel</code> , <code>xlty</code> .	
Arguments	VAR1 : <a href="#">dvar</a> VAR2 : <a href="#">dvar</a>	
Purpose	Enforce the fact that the first variable is strictly less than the second variable.	
Example	<div>(1, 8)</div> <p>The <code>lt</code> constraint holds since 1 is strictly less than 8.</p>	
Symmetries	<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>	
Systems	<code>lt</code> in <a href="#">Choco</a> , <code>rel</code> in <a href="#">Gecode</a> , <code>xlty</code> in <a href="#">JaCoP</a> , <code>#&lt;</code> in <a href="#">SICStus</a> .	
See also	<b>common keyword:</b> <a href="#">eq</a> ( <i>binary constraint</i> , <i>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> .	
Keywords	<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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