

5.188 `leq`

	DESCRIPTION	LINKS
Origin	Arithmetic.	
Constraint	<code>leq(VAR1, VAR2)</code>	
Synonyms	<code>rel</code> , <code>xlteqy</code> .	
Arguments	VAR1 : <code>dvar</code> VAR2 : <code>dvar</code>	
Purpose	Enforce the fact that the first variable is less than or equal to the second variable.	
Example	(1, 8)	
	The <code>leq</code> constraint holds since 1 is greater than or equal to 8.	
Symmetries	<ul style="list-style-type: none"> • VAR1 can be replaced by any value \leq VAR2. • VAR2 can be replaced by any value \geq VAR1. 	
Systems	<code>leq</code> in Choco , <code>rel</code> in Gecode , <code>xlteqy</code> in JaCoP , <code>#=<</code> in SICStus .	
See also	common keyword: <code>neq</code> (<i>binary constraint, arithmetic constraint</i>). generalisation: <code>leq_cst</code> (<i>constant added</i>). implied by: <code>eq</code> , <code>lt</code> . implies if swap arguments: <code>geq</code> . negation: <code>gt</code> .	
Keywords	constraint arguments: binary constraint. constraint type: predefined constraint, arithmetic constraint. filtering: arc-consistency.	

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