

5.161 `geq`

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

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