

5.174 gt

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

20070821

1317