

5.333 remainder

	DESCRIPTION	LINKS
Origin	Arithmetic.	
Constraint	<code>remainder(Q, D, R)</code>	
Synonyms	modulo, mod.	
Arguments	Q : dvar D : dvar R : dvar	
Restrictions	$Q \geq 0$ $D > 0$ $R \geq 0$ $R < D$	
Purpose	Enforce R to be equal to the remainder of the division of Q by D.	
Example	<div>(15, 2, 1)</div> <p>The <code>remainder</code> constraint holds since 1 is the rest of the division of 15 by 2.</p>	
Arg. properties	Functional dependency : R determined by Q and D.	
Keywords	constraint arguments : ternary constraint , pure functional dependency . constraint type : predefined constraint , arithmetic constraint . modelling : functional dependency .	

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