5.218 leq

DESCRIPTION LINKS

Origin Arithmetic.

Constraint leq(VAR1, VAR2)

Synonyms rel, xlteqy.

Arguments

VAR1	:	dvar
VAR2	:	dvar

Purpose Enforce the fact that the first variable is less than or equal to the second variable.

Example $(1, 8)$

The leq constraint holds since 1 is greater than or equal to 8.

Symmetries

- VAR1 can be replaced by any value $\leq$ VAR2.
- VAR2 can be replaced by any value $\geq$ VAR1.

Systems leq in **Choco**, rel in **Gecode**, xlteqy in **JaCoP**, #=< in **SICStus**.

See also

common keyword: neq (*binary constraint*,*arithmetic constraint*).

generalisation: leq_cst (constant *added*).

implied by: eq, lt.

implies (if swap arguments): geq.

negation: gt.

Keywords

constraint arguments: binary constraint.

constraint type: predefined constraint, arithmetic constraint.

filtering: arc-consistency.