5.341   same_sign

Origin   Arithmetic.

Constraint   same_sign(VAR1, VAR2)

Arguments   VAR1 : dvar
                    VAR2 : dvar

Restriction

Purpose   Enforce the fact that the product of the first and second variables is greater than or equal to 0.

Example   (7, 1)

                    The same_sign constraint holds since 7 and 1 have the same sign.

Typical   VAR1 $\neq$ 0
                    VAR2 $\neq$ 0

Symmetry   Arguments are permutable w.r.t. permutation (VAR1, VAR2).

See also   **comparison swapped:** opposite_sign.

                    implied by: divisible_or, eq, sign_of.

Keywords   **constraint arguments:** binary constraint.

                    constraint type: predefined constraint, arithmetic constraint.

                    filtering: arc-consistency.