

5.303 `opposite_sign`

DESCRIPTION

LINKS

Origin

Arithmetic.

Constraint

`opposite_sign(VAR1, VAR2)`

Arguments

VAR1 : `dvar`
VAR2 : `dvar`

Restriction

Purpose

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

Example

$(6, -3)$

The `opposite_sign` constraint holds since 6 and -3 do not have the same sign.

Typical

$\text{VAR1} \neq 0$

Symmetry

Arguments are [permutable](#) w.r.t. permutation (`VAR1`, `VAR2`).

See also

[comparison swapped](#): `same_sign`.
[implies \(if swap arguments\)](#): `abs_value`.

Keywords

[constraint arguments](#): binary constraint.
[constraint type](#): predefined constraint, arithmetic constraint.
[filtering](#): arc-consistency.

