5.422   zero_or_not_zero

Origin   Arithmetic.

Constraint   zero_or_not_zero(VAR1, VAR2)

Synonyms   zeros_or_not_zeros, not_zero_or_zero, not_zeros_or_zeros.

Arguments   VAR1 : dvar
                         VAR2 : dvar

Purpose   Enforce the fact that either both variables are equal to 0, or both variables are not equal
                         to 0.

Example $(1, 8)$

                         The zero_or_not_zero constraint holds since values 1 and 8 are both not equal to
                         zero.

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

See also   **implied by:** abs_value, divisible_or, eq, sign_of.

                         implies (if swap arguments): abs_value.

Keywords   **constraint arguments:** binary constraint.

                         constraint type: predefined constraint, arithmetic constraint.