

5.161 `geq`

| | DESCRIPTION | LINKS |
|-------------------|---|-------|
| Origin | Arithmetic. | |
| Constraint | <code>geq(VAR1, VAR2)</code> | |
| Synonyms | <code>rel</code> , <code>xgteqy</code> . | |
| Arguments | VAR1 : <code>dvar</code> VAR2 : <code>dvar</code> | |
| Purpose | Enforce the fact that the first variable is greater than or equal to the second variable. | |
| Example | (8, 1) | |
| | The <code>geq</code> constraint holds since 8 is greater than or equal to 1. | |
| Symmetries | <ul style="list-style-type: none"> • VAR1 can be replaced by any value \geq VAR2. • VAR2 can be replaced by any value \leq VAR1. | |
| Systems | <code>geq</code> in Choco , <code>rel</code> in Gecode , <code>xgteqy</code> in JaCoP , <code>#i=</code> in SICStus . | |
| See also | common keyword: <code>neq</code> (<i>binary constraint, arithmetic constraint</i>). generalisation: <code>geq_cst</code> (<i>constant added</i>). implied by: <code>abs_value</code> , <code>eq</code> , <code>gt</code> . implies (if swap arguments): <code>leq</code> . negation: <code>lt</code> . | |
| Keywords | constraint arguments: binary constraint. constraint type: predefined constraint, arithmetic constraint. filtering: arc-consistency. | |

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