

Invalid No Optional lower multiplicity

Abbreviation

Optional[1]

Description

This validation rule checks to see if the parameter's (without the «optional» stereotype applied) lower value of multiplicity is greater than zero.

Severity

warning

Constrained Element

Parameter

Solvers

To fix this, open the Parameter's Specification window and set the **Multiplicity** property's lower value to greater than zero.

Example

Heat Water(recovered : Heat [0..*], cold dirty : H2O, hot dirty : H2O)

-hot dirty : H2O

-recovered : Heat

in recovered : Heat [0..*]

in cold dirty : H2O

out hot dirty : H2O

in cold dirty : H2O

in recovered : Heat [0..*]

out hot dirty : H2O

→

Heat Water(recovered : Heat [1..*], cold dirty : H2O, hot dirty : H2O)

-hot dirty : H2O

-recovered : Heat

in recovered : Heat [1..*]

in cold dirty : H2O

out hot dirty : H2O

in cold dirty : H2O

in recovered : Heat [1..*]

out hot dirty : H2O

Specification of Parameter recovered

Specification of Parameter properties

Specify properties of the selected Parameter in the properties specification table. Choose the Expert or All options from the Properties drop-down list to see more properties.

recovered

in recovered : Heat [0..*]

Documentation/Comments

Navigation/Hyperlinks

Inner Elements

Relations

Connectors

Tags

Constraints

Traceability

Allocations

Parameter

Name recovered

Owner Heat Water [Distiller::Distill...

Applied Stereotype

Type Heat [Distiller::Item Types]

Direction in

Multiplicity 0..*

To Do

Rate

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Specification of Parameter recovered

Specification of Parameter properties

Specify properties of the selected Parameter in the properties specification table. Choose the Expert or All options from the Properties drop-down list to see more properties.

recovered

in recovered : Heat [1..*]

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Parameter

Name recovered

Owner Heat Water [Distiller::Distill...

Applied Stereotype

Type Heat [Distiller::Item Types]

Direction in

Multiplicity 1..*

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The *recovered* Parameter multiplicity must be lower be greater than zero.