

Using Groove for analysing RPGame models

Model Driven Engineering

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Overview

- Type graph
- Transformation rules
- Control program
- Analysis

Type graph

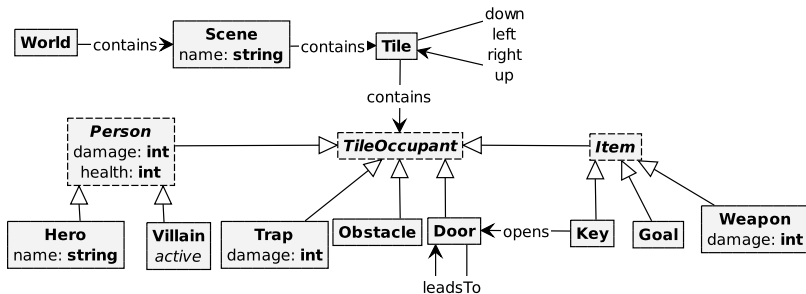


Figure : RPGGame metamodel in AToMPM

Transformation rules

moving characters

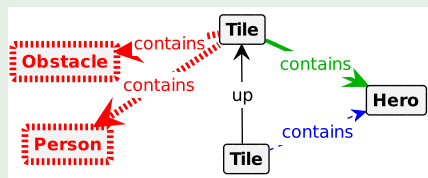


Figure : Transformation rule to move the Hero

Transformation rules

attacking characters

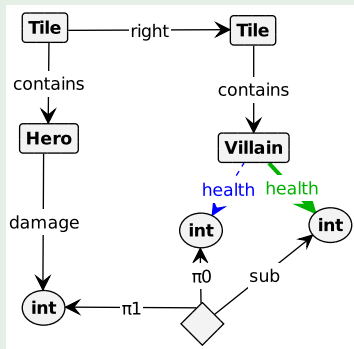


Figure : Transformation rule to let the Hero attack

Transformation rules

activating villains

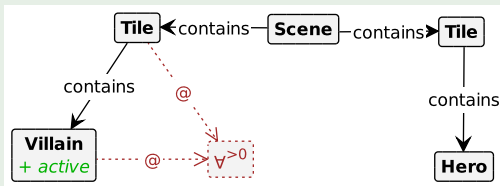


Figure : Transformation rule that activates the villains

Transformation rules

end condition

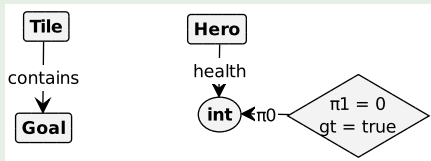
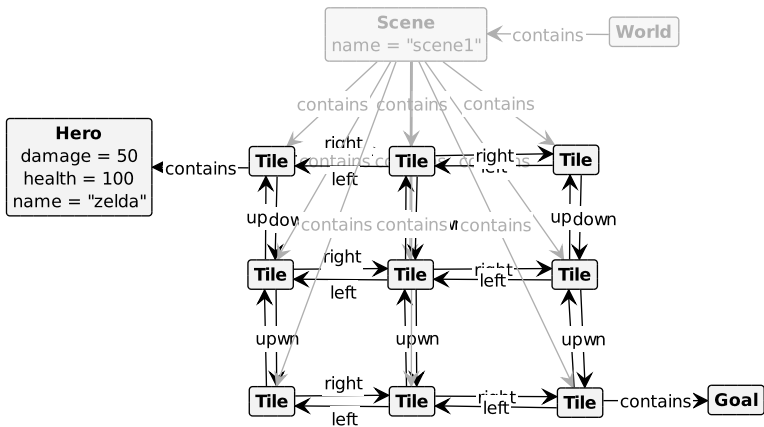


Figure : Transformation rule checking the end condition

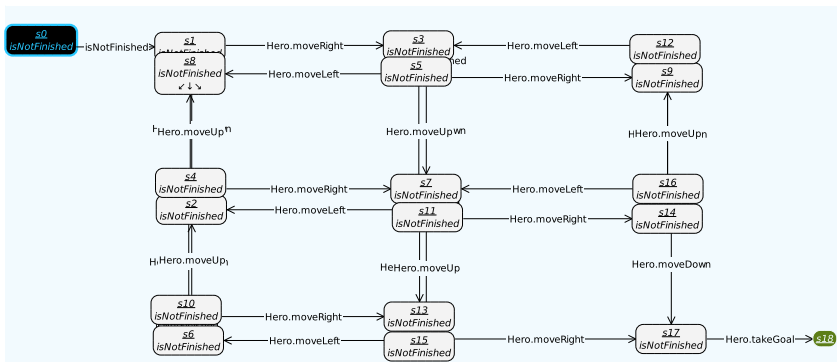
Analysis

Analysis



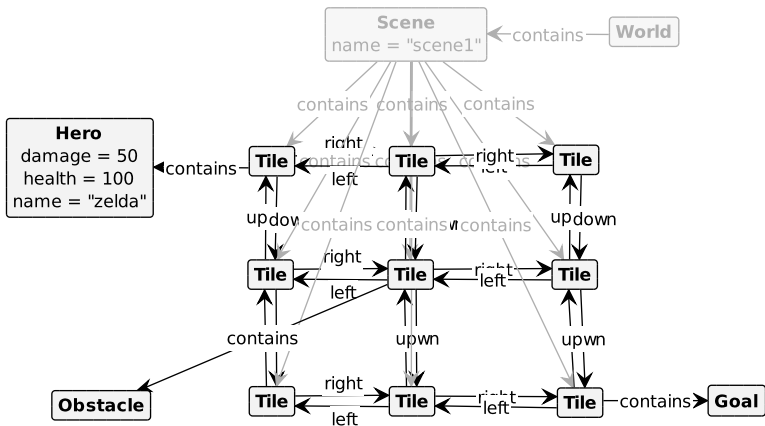
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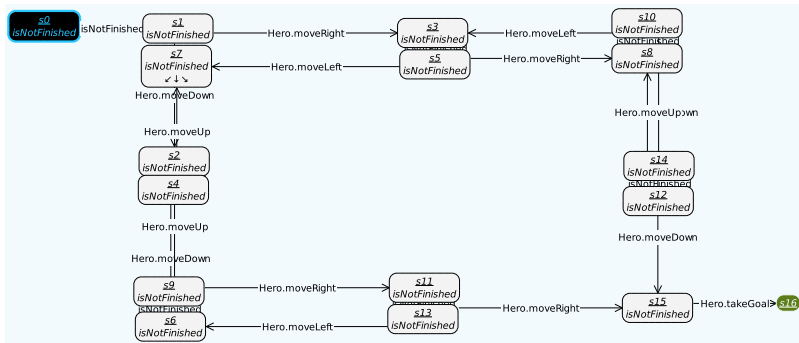
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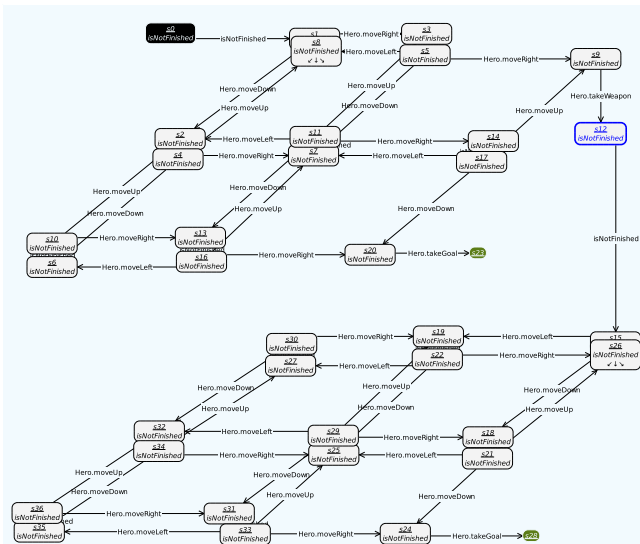
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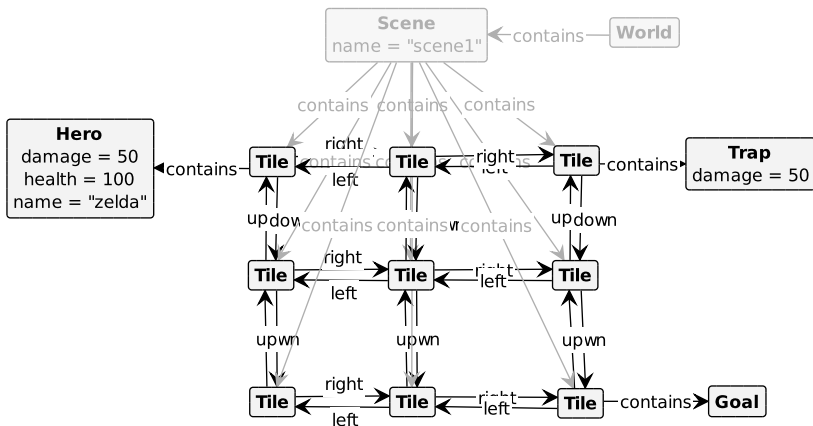
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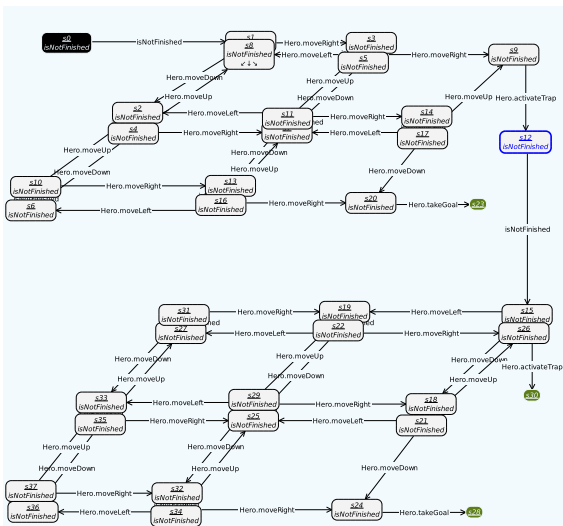
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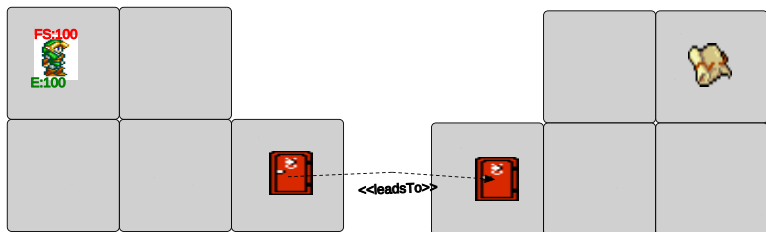
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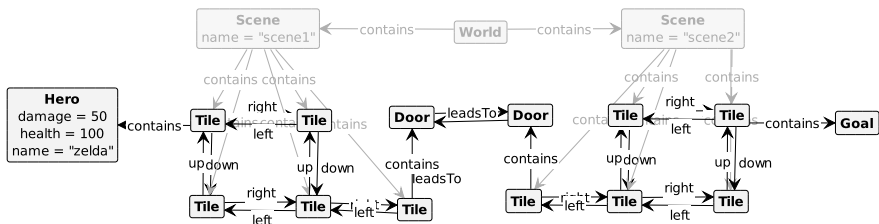
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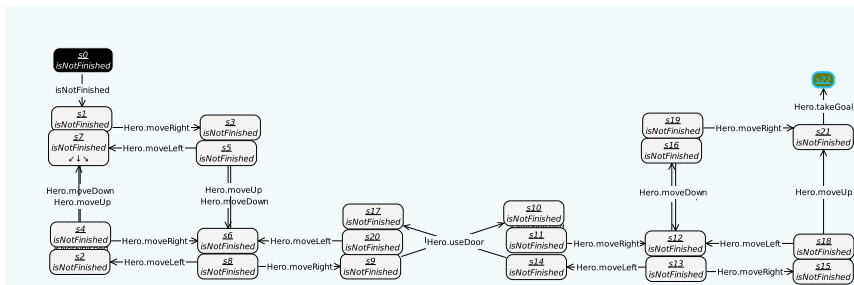
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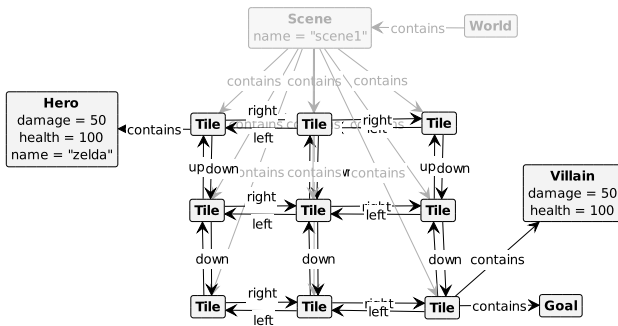
Analysis



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