Center for Advanced Decision Support for
Water and Environmental Systems (CADSWES)
UNIVERSITY OF COLORADO **BOULDER**

RPL Set Comparison and RPL Element Numbering

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Model Comparison & Version Control

Complex Models

Evolve in time + Collaborative

Challenges

- Reproducibility
- Recovery
- Change tracking

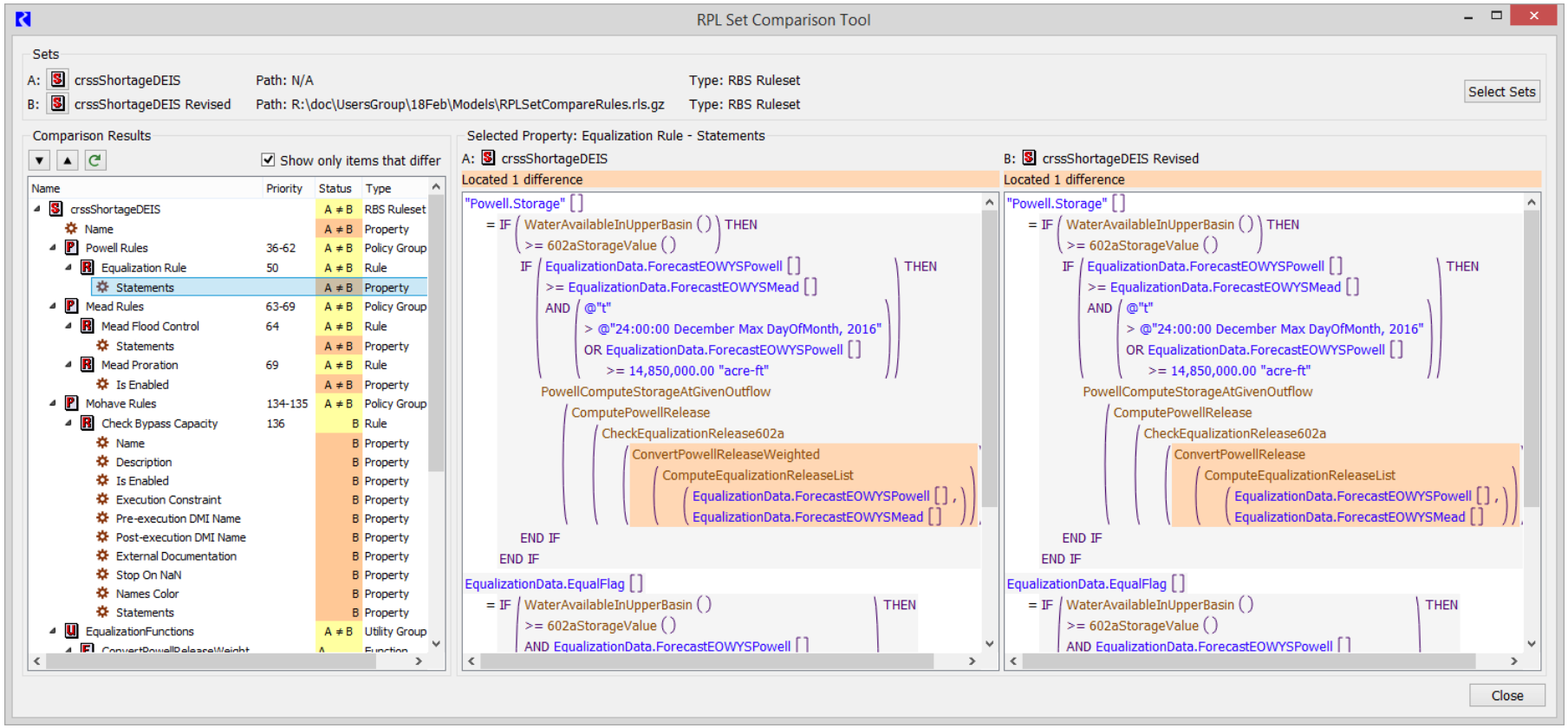
- Behavior attribution
- Parallel Development
- Tandem models

Solutions

- Understand differences between versions
- Retain history of all model file versions

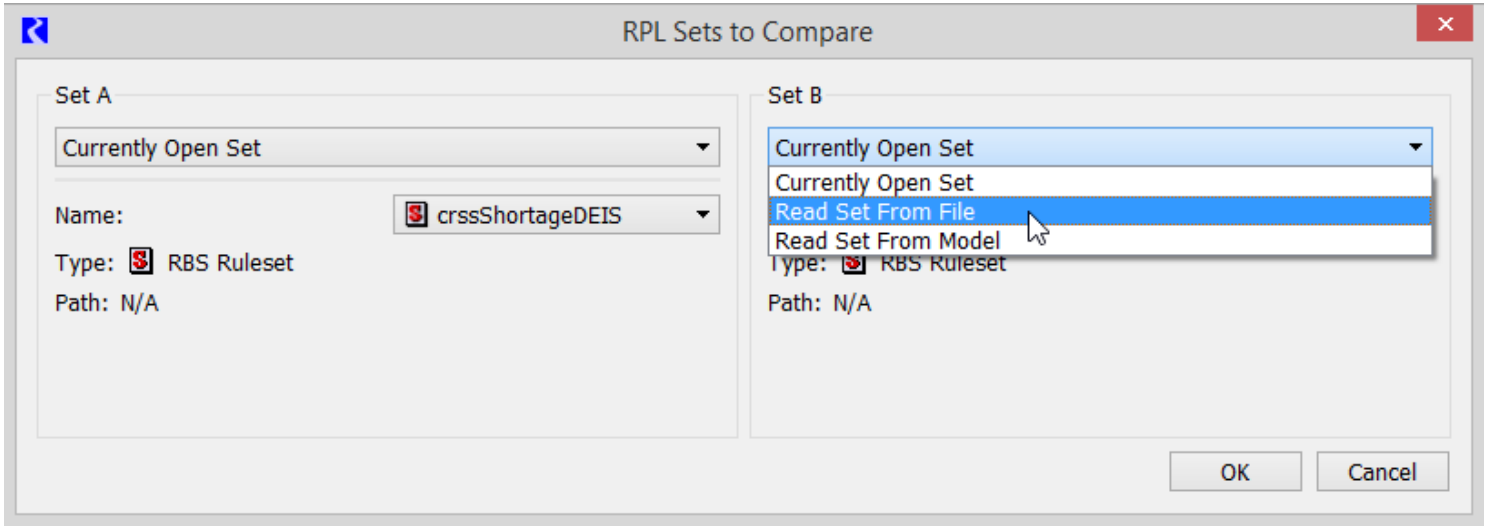
RPL Set Comparison Tool

Displays differences for two versions of a policy set



RPL Set Comparison Tool

Select sets to compare

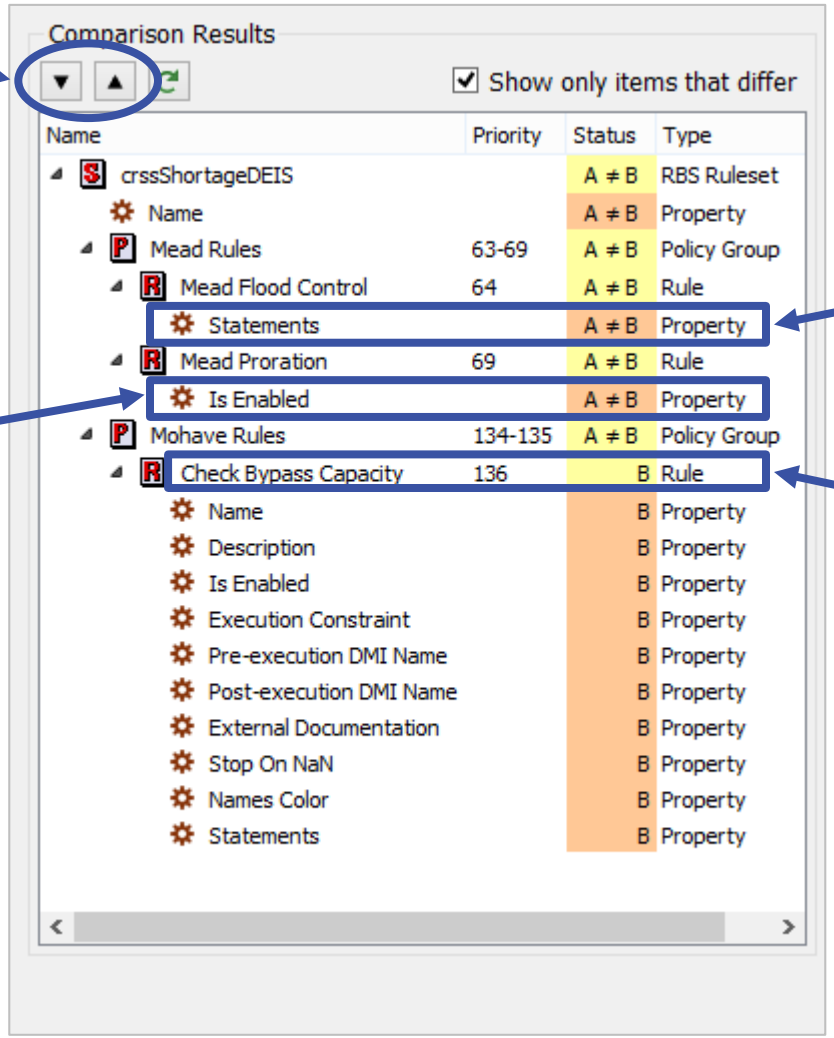


- Choose type (RBS Rules, Init Rules, Opt Goals, etc.)
- Set selection options
  - Open in the model
  - From a separate RPL set file
  - Saved in another model

RPL Set Comparison Tool

Step through differences

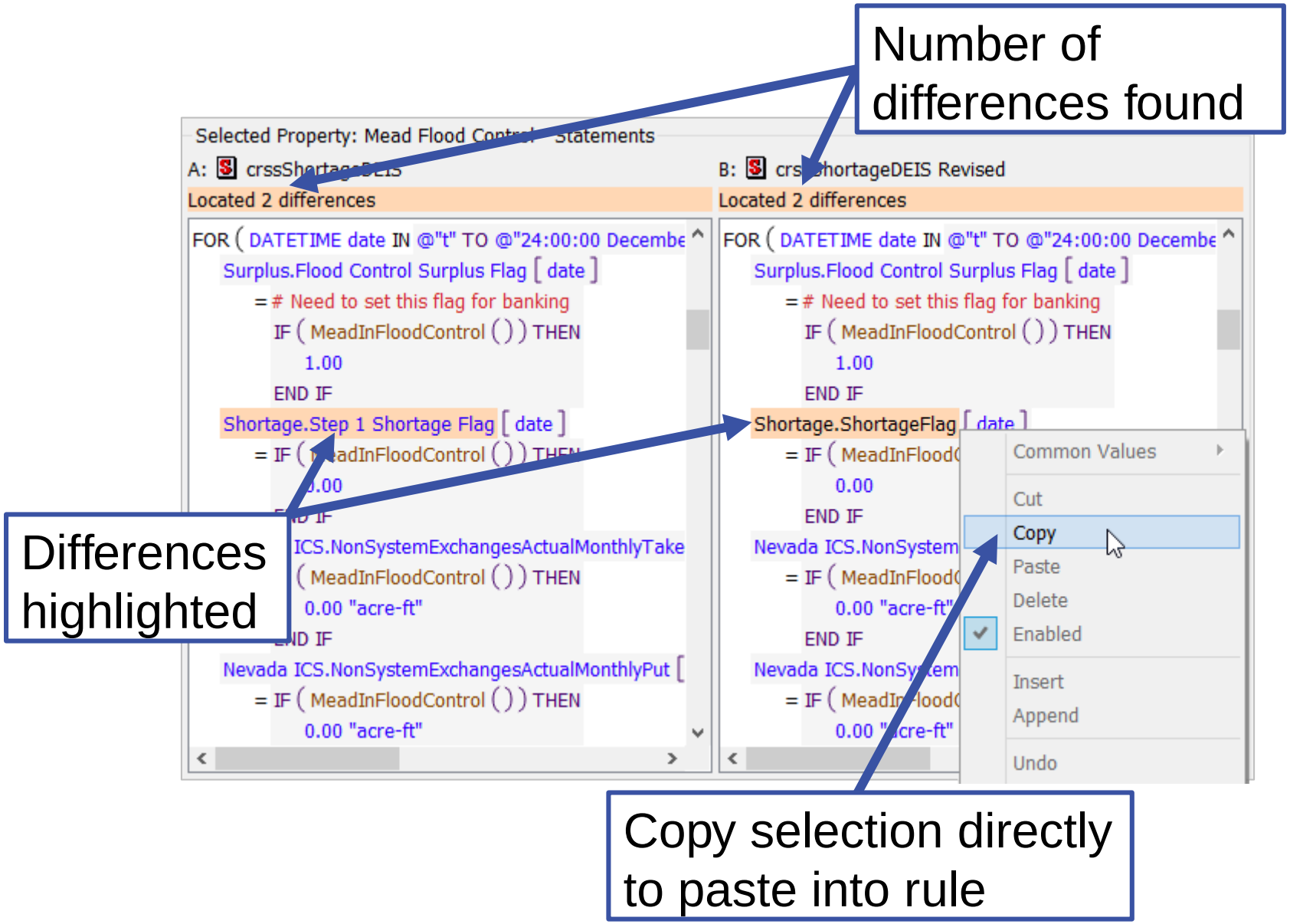
Rule turned off in one set



Rule logic differs

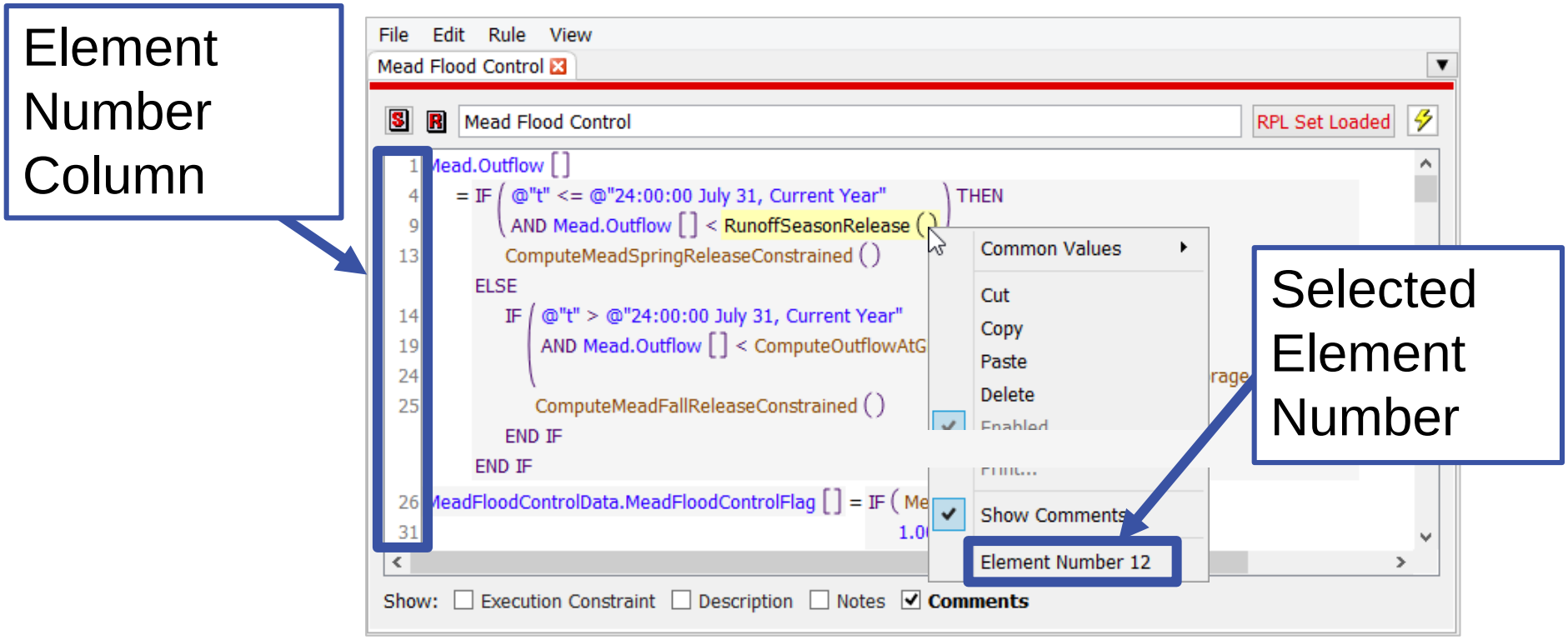
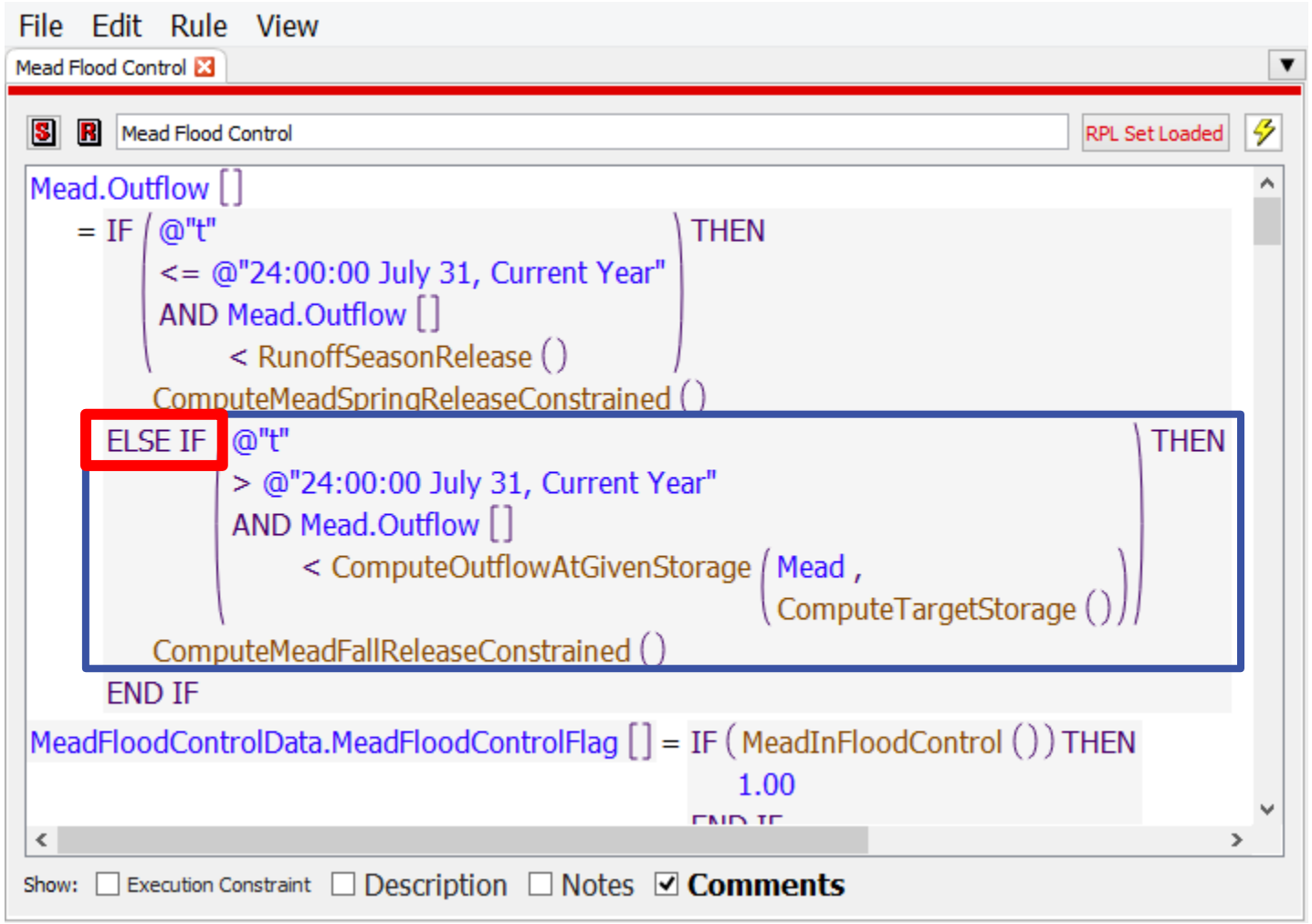
Rule only in Set B

RPL Set Comparison Tool



RPL Element Numbering

- Each statement and expression numbered
- Optional RPL Display Setting – Show Element Number Column
- Right-click selection to display Element Number



ELSE IF Branches