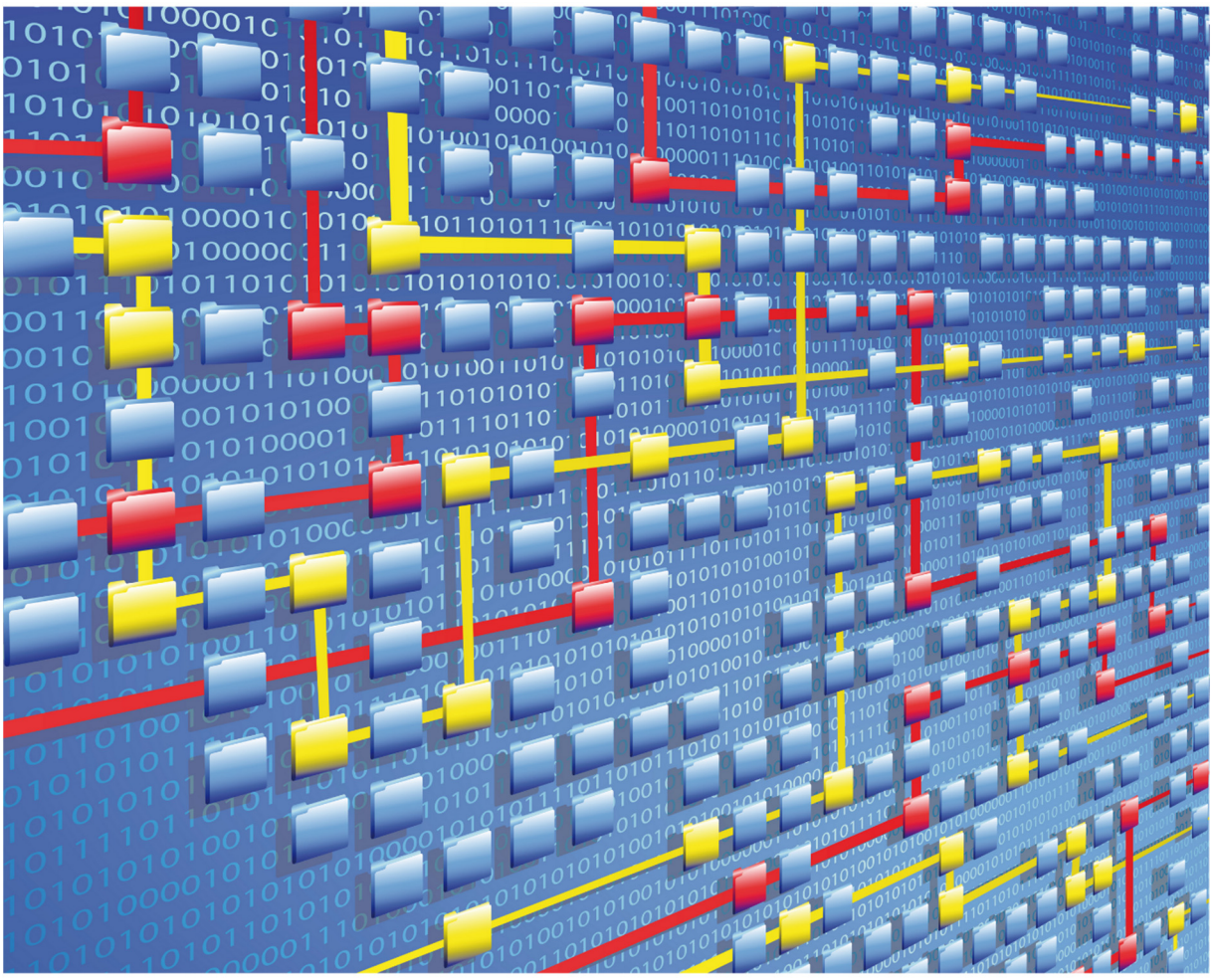
IEEE Task Force on



Process Mining

XES CERTIFICATION FOR PROM 6.7

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Contact Information _____ 94

TOOL

Tool

NAME

ProM

VENDOR

Eindhoven University of Technology, Open Source

VERSION

6.7

REQUESTED CERTIFICATION LEVELS

Import

A-X

Export

A-X

META

Meta

AUTHORS

Eric Verbeek

DATE

06/09/2017

HISTORY

CHANGES

AUTHOR(S)	DATE	DESCRIPTION
Eric Verbeek	06/09/2017	Added walk-throughs for all exports, using the imports.
Eric Verbeek	05/09/2017	Initial version, contains walk-throughs for all imports.

Import

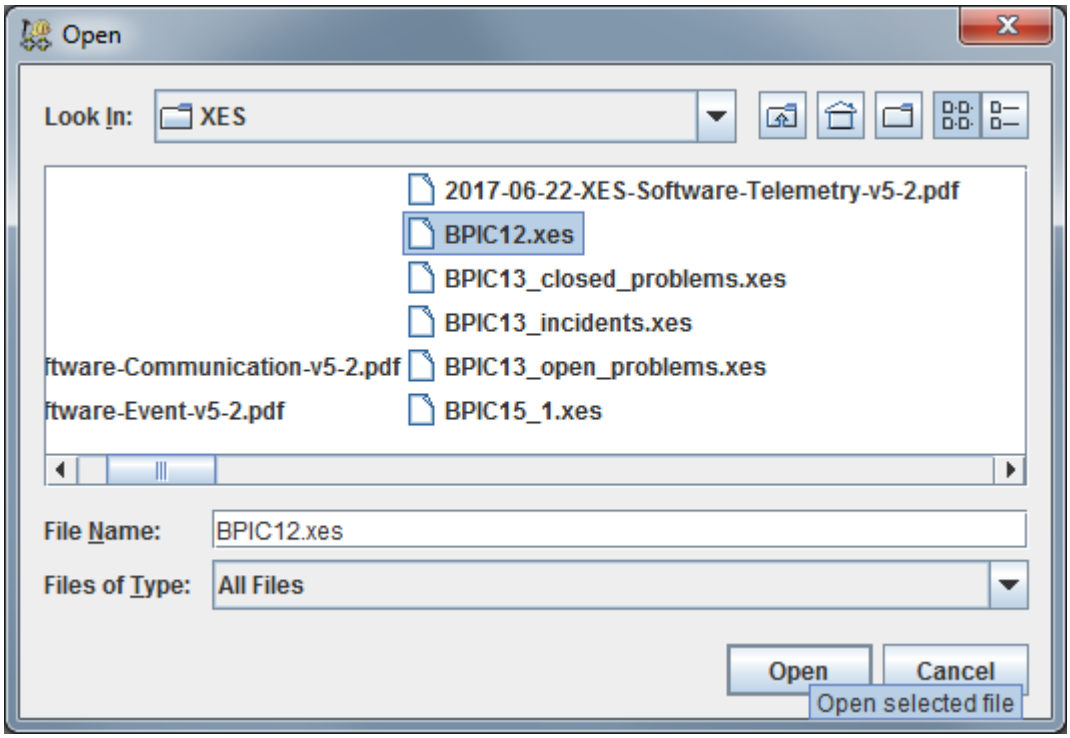
REAL-LIFE LOGS

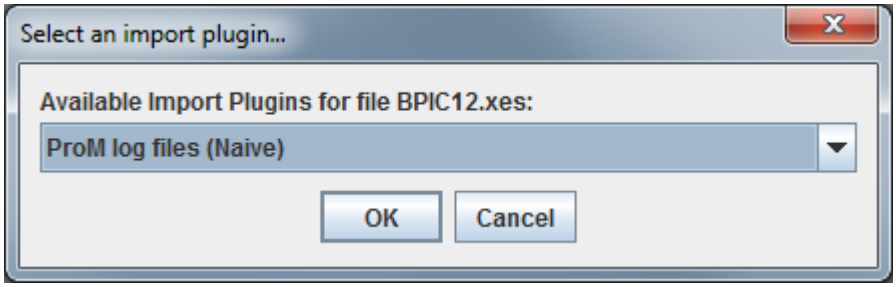
SANITIZED BPIC LOGS

NAME	TRACES	EVENTS	SIZE IN KB
BPIC12	13,087	262,200	72,363
BPIC13_closed_problems	1,487	6,660	4,090
BPIC13_incidents	7,554	65,533	38,627
BPIC13_open_problems	819	2,351	1,370
BPIC15_1	1,199	52,217	40,261
BPIC15_2	832	44,354	33,616
BPIC15_3	1,409	59,681	45,673
BPIC15_4	1,053	47,293	36,131
BPIC15_5	1,156	59,083	44,961
BPIC17 – Offer log	42,995	193,849	107,557
BPIC17	31,509	1,202,267	565,373

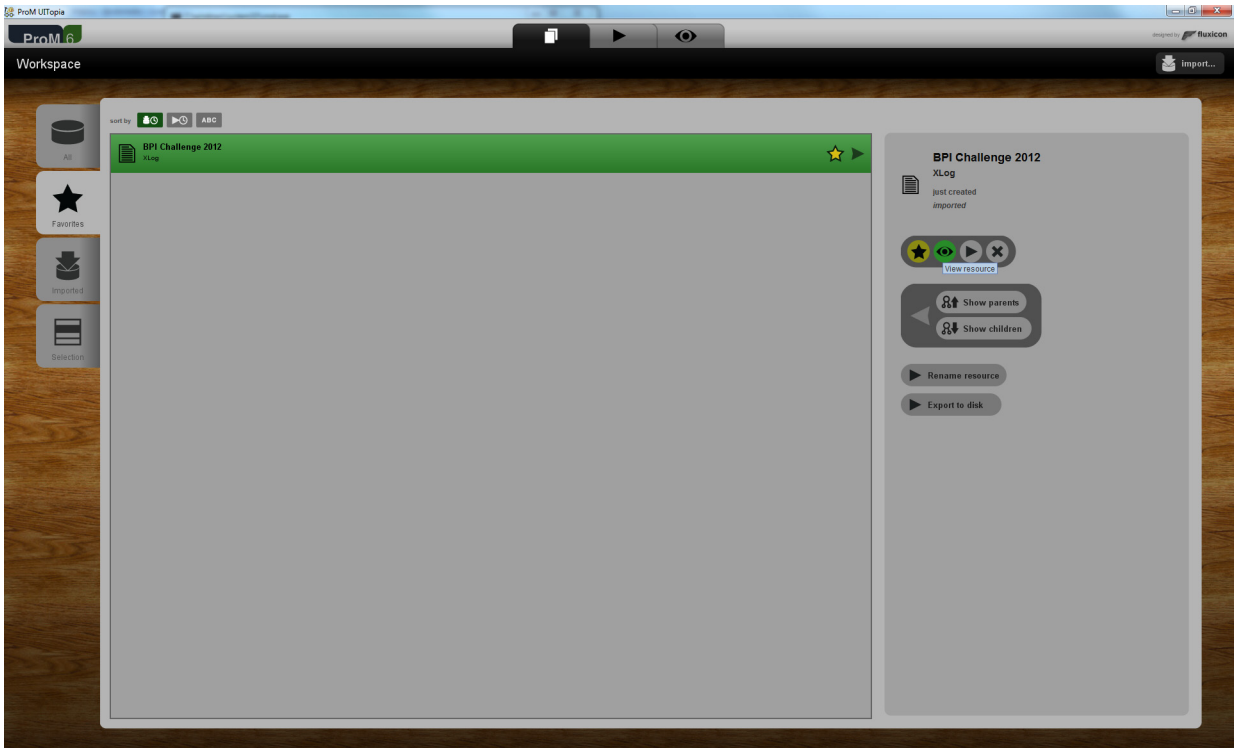
IMPORT

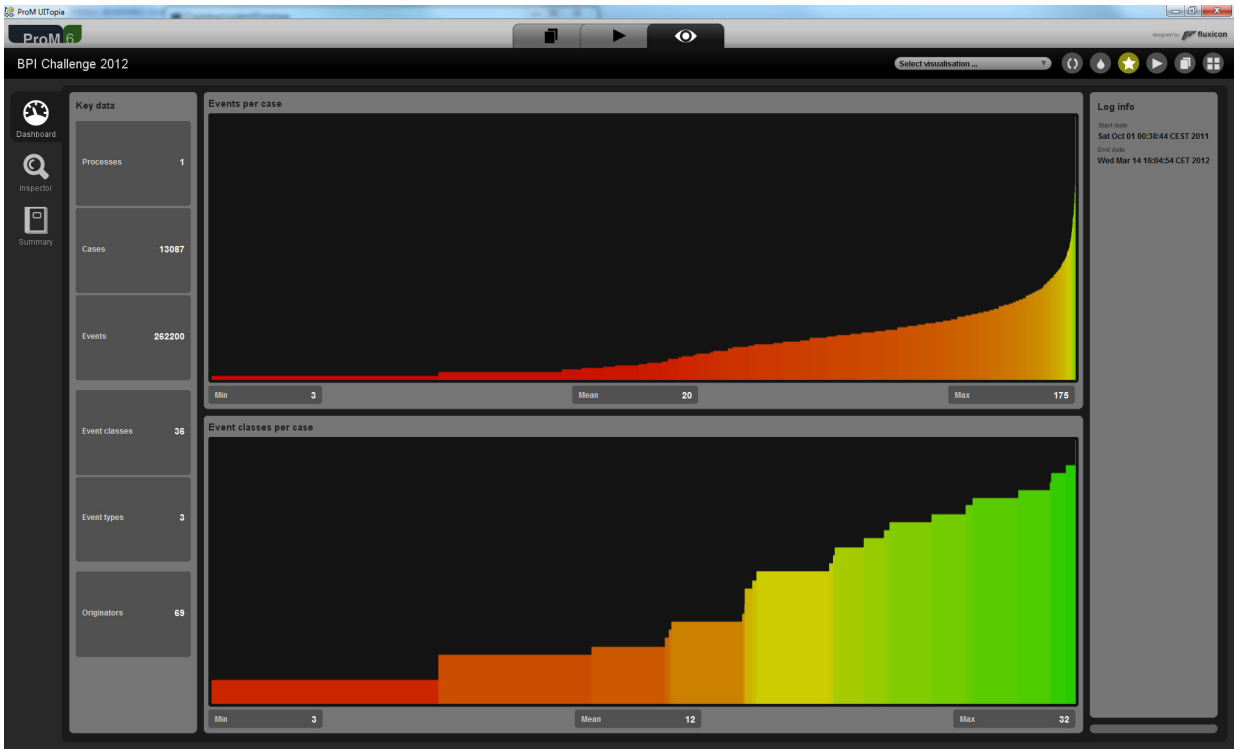
BPIC12





IMPORT

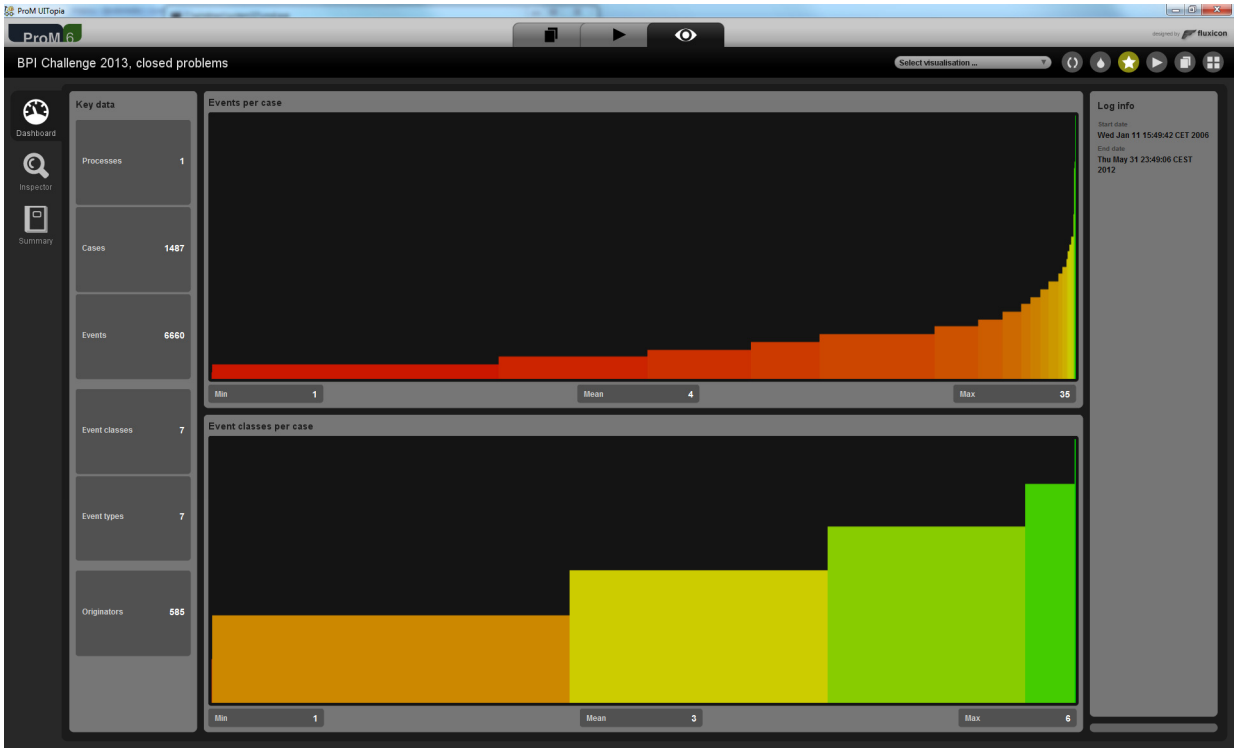

ProM UITopia
ProM 6
fluxicon
Workspace
import...
All
Favorites
Imported
Selection
sort by
ABC
BPI Challenge 2012
XLog
BPI Challenge 2012
XLog
just created
imported
View resource
Show parents
Show children
Rename resource
Export to disk


ProM UITopia
ProM 6
fluxicon
BPI Challenge 2012
Select visualisation ...
Dashboard
Inspector
Summary
Key data
Processes 1
Cases 13087
Events 262200
Event classes 36
Event types 3
Originators 69
Events per case
Min 3
Mean 20
Max 175
Event classes per case
Min 3
Mean 12
Max 32
Log info
Start date
Sat Oct 01 00:38:44 CEST 2011
End date
Wed Mar 14 16:04:54 CET 2012

IMPORT

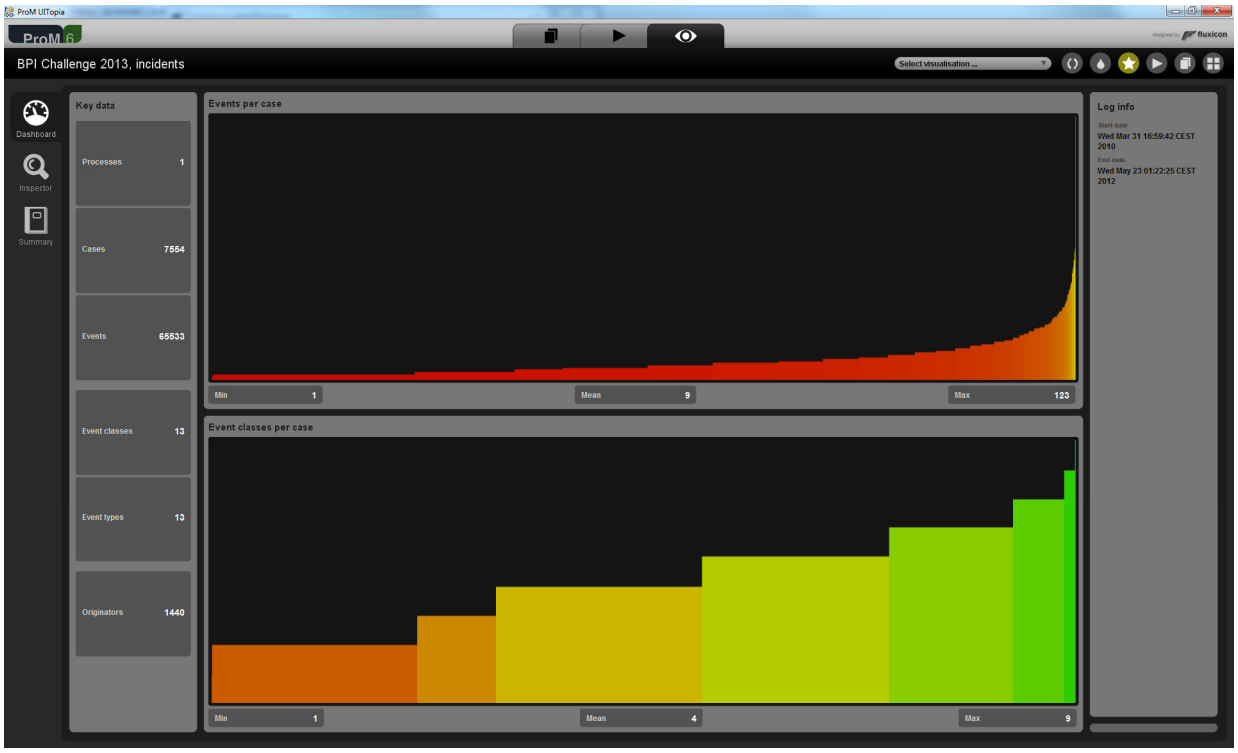
For the remainder of the real-life logs, only the last screenshot with the log dashboard will be shown. Mutatis mutandis, all other screenshots are similar, and only the last screenshot provides useful information on the imported log.

BPIC13_closed_problems

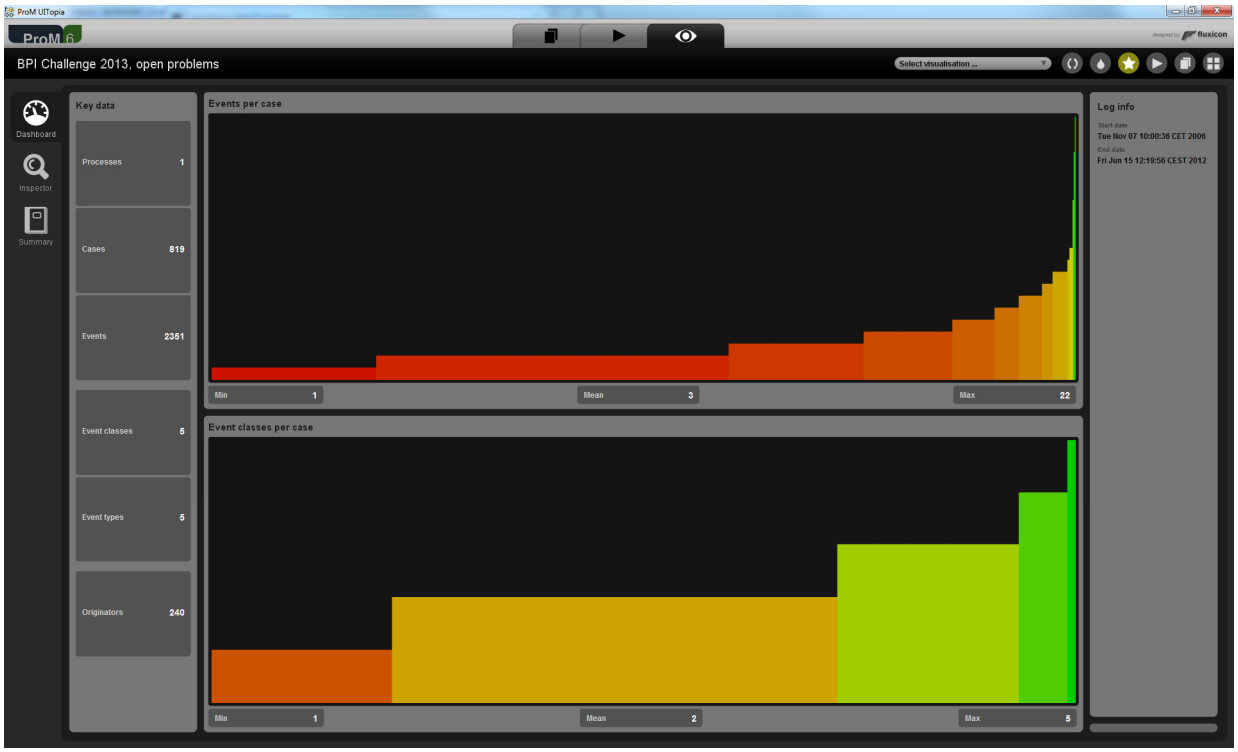


IMPORT

BPIC13_incidents

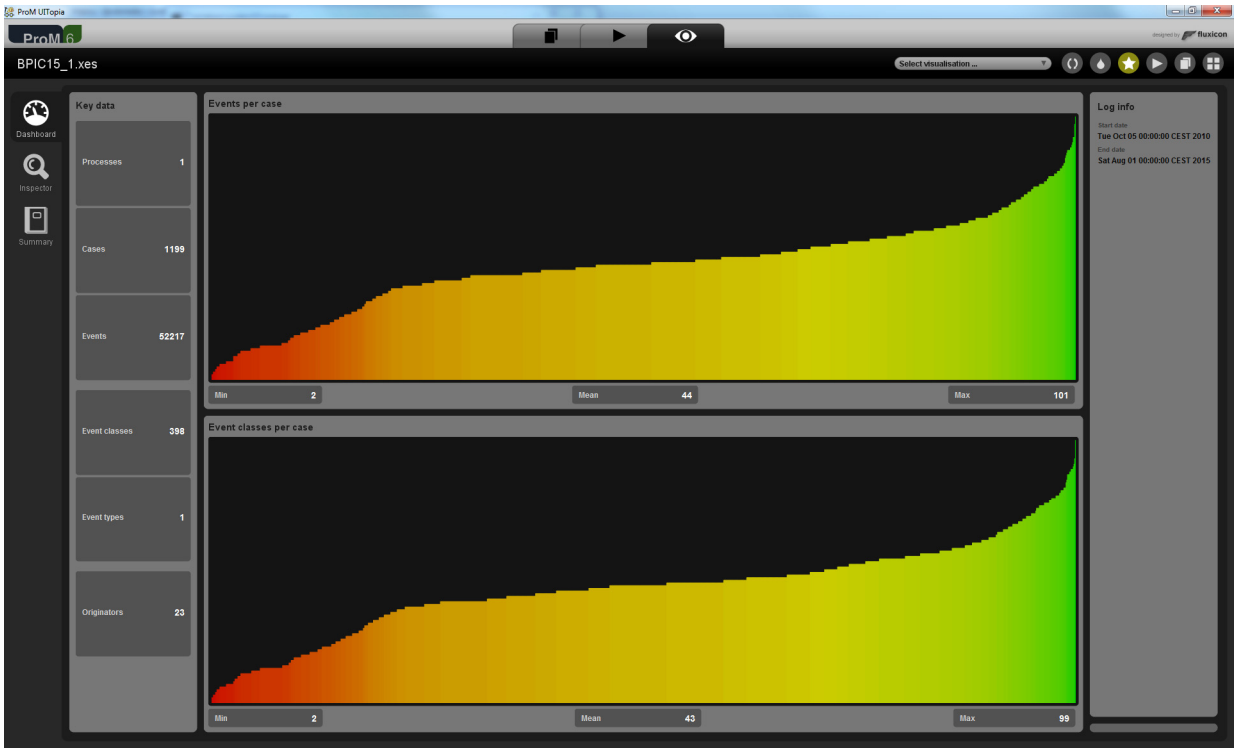


BPIC13_open_problems



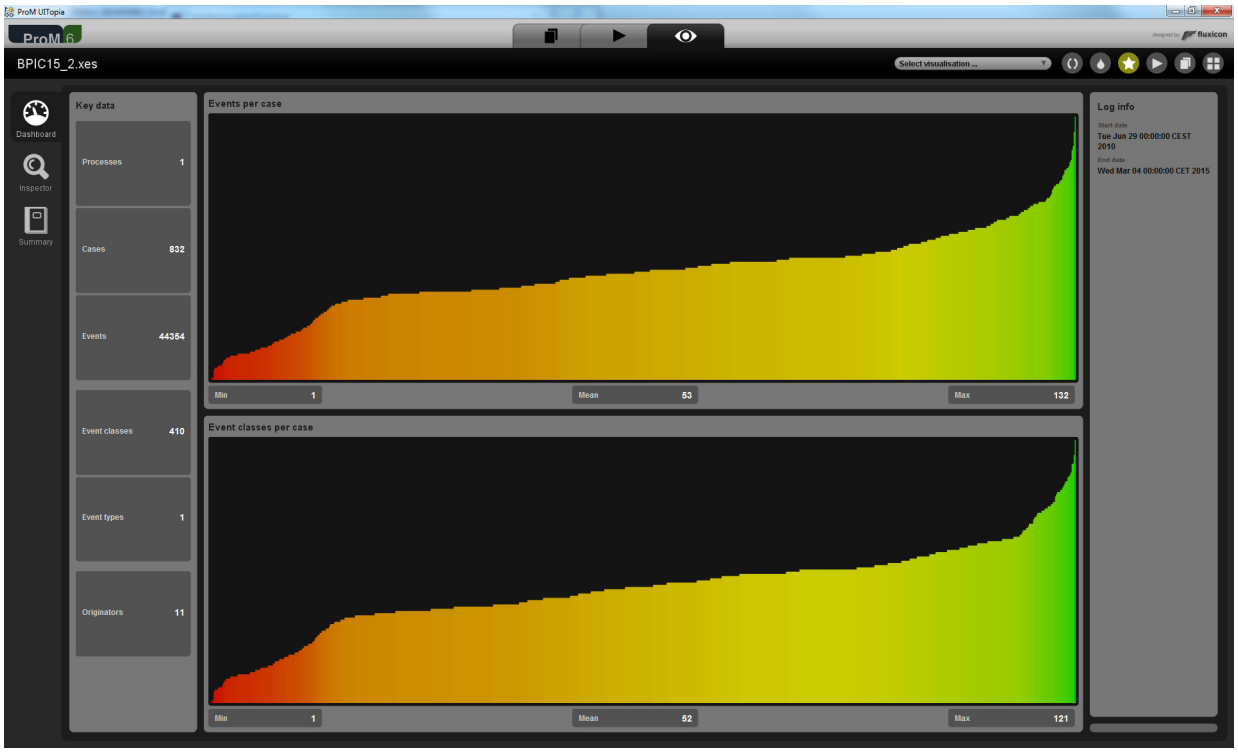
IMPORT

BPIC15_1



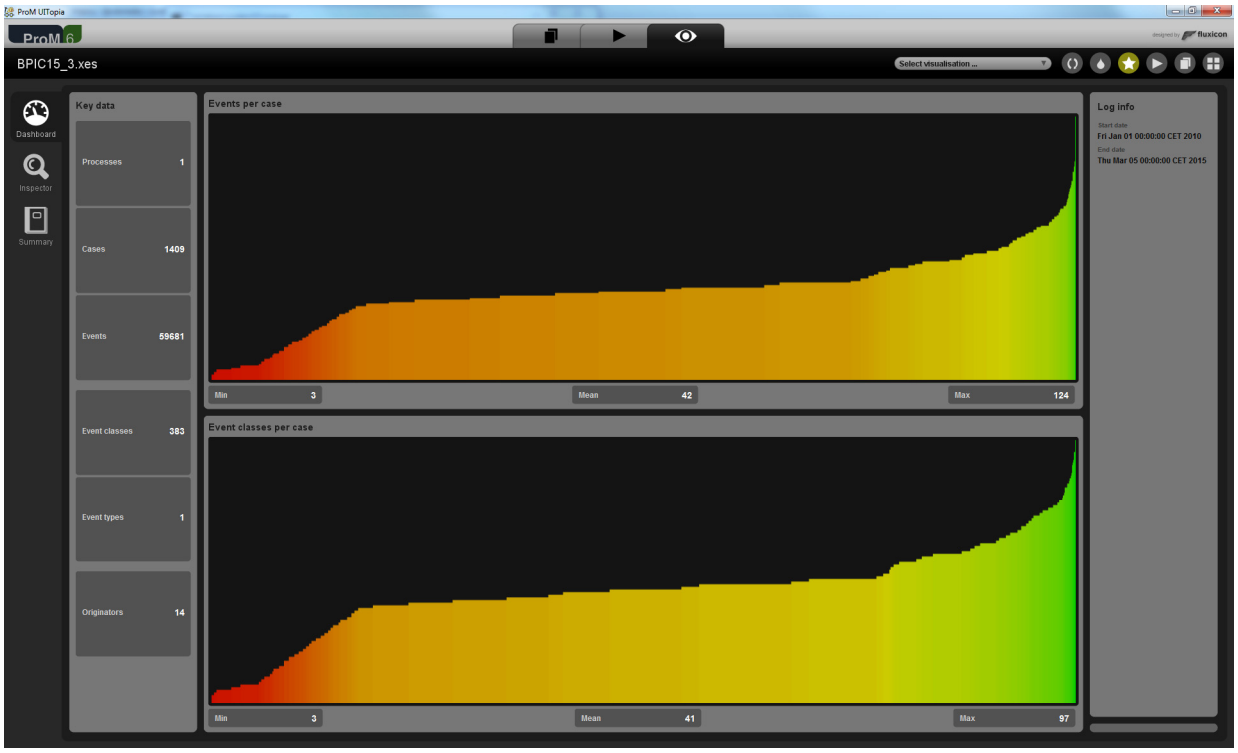
IMPORT

BPIC15_2



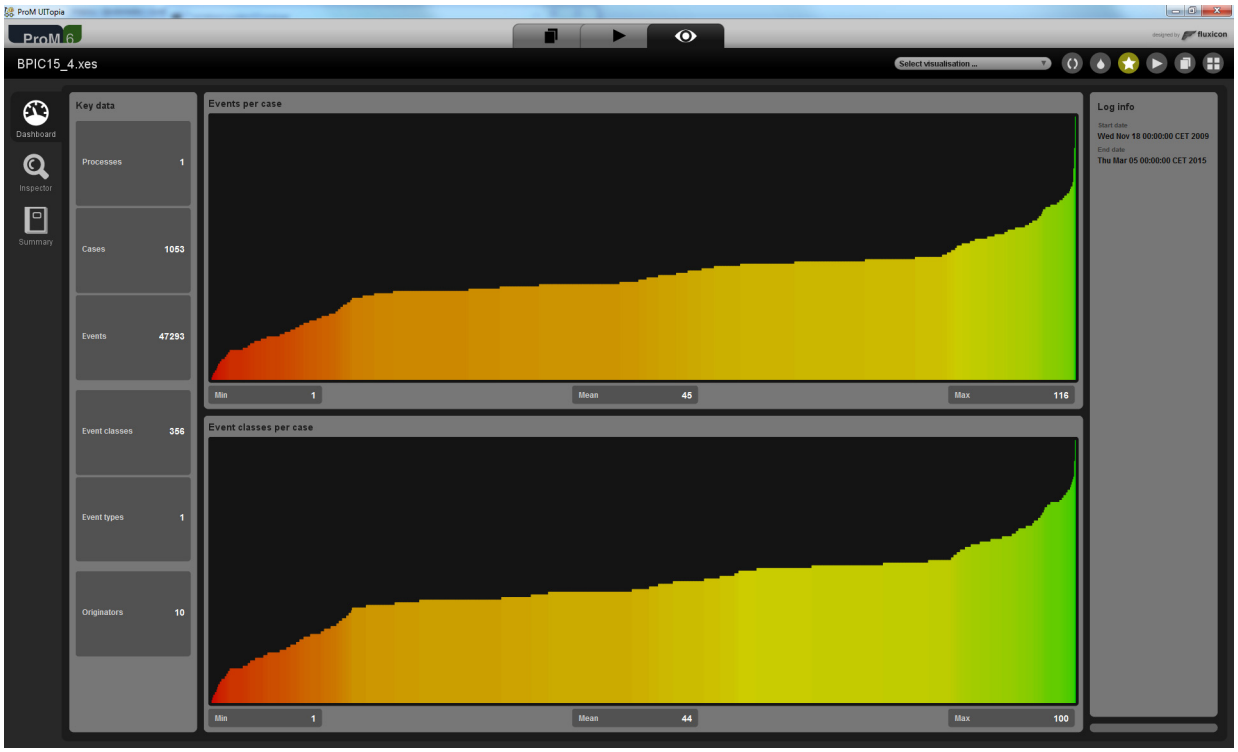
IMPORT

BPIC15_3



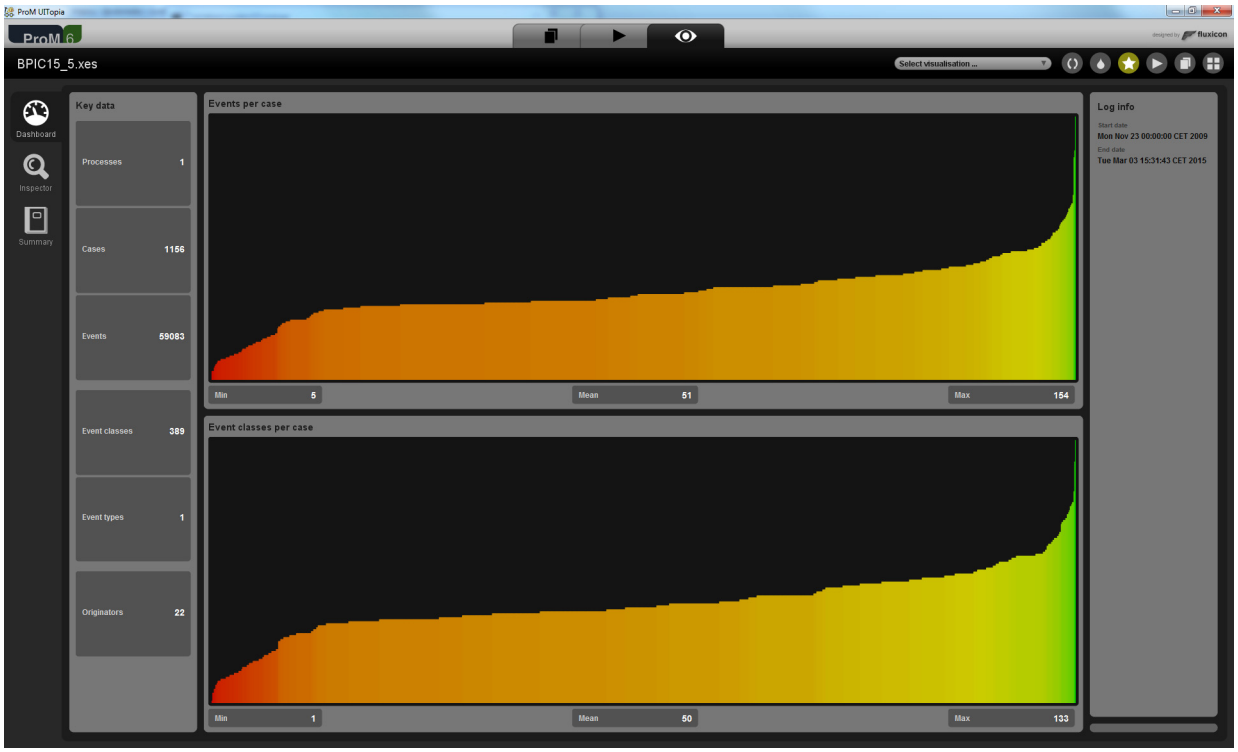
IMPORT

BPIC15_4



IMPORT

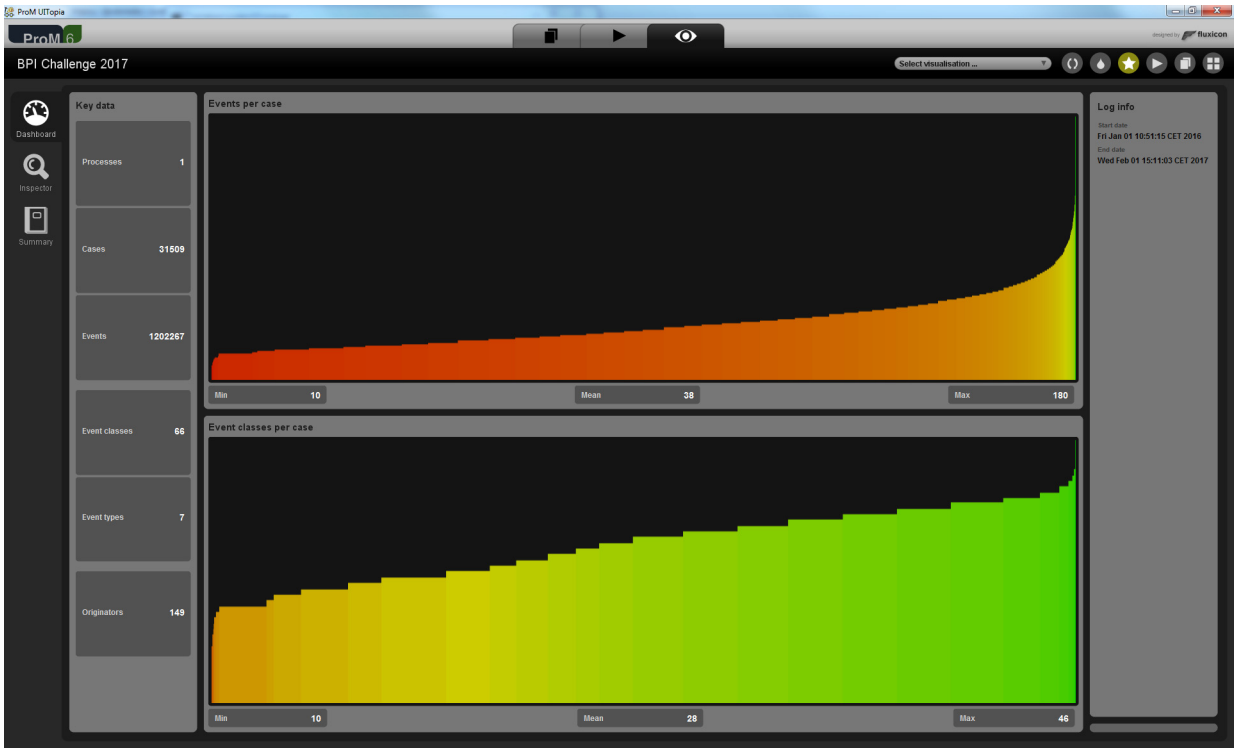
BPIC15_5



BPIC17 – Offer log

IMPORT

BPIC17



ARTIFICIAL LOGS

FILTERED REPAIREXAMPLE LOGS

NAME	LEVEL	EVENT ATTRIBUTE KEYS (IF BOLD THEN GLOBAL)
LevelA1	A1	**concept:name**
LevelA2	A2	Classifier (**concept:name** AND **lifecycle:transition**)
LevelB1	B1	**concept:name**, **lifecycle:transition**, **time:timestamp**
LevelB2	B2	Classifier (**concept:name** AND **lifecycle:transition**), **time:timestamp**
LevelC1	C1	**concept:name**, **org:resource**
LevelC2	C2	Classifier (**concept:name** AND **lifecycle:transition**), **org:resource**
LevelD1	D1	**concept:name**, **concept:instance**,

		lifecycle:transition, **org:resource**, **org:group**, org:role, **time:timestamp**
LevelD2	D2	Classifier (**concept:name** AND **lifecycle:transition**), **concept:instance**, **org:resource**, **org:group**, org:role, **time:timestamp**
FlagX1	X1	defectFixed, defectType, **Key 1**, Key 2, **Key 3**, **Key 4**, **Key 6**, phoneType, numberRepairs, **{0,1,2} 2Sa!! +1 <x>**, ITEMS:41, #1, o.1.1
FlagX2	X2	defectFixed, defectType, Classifier (**Key 1** AND **Key 6**), Key 2, **Key 3**, **Key 4**, phoneType, numberRepairs, **{0,1,2} 2Sa!! +1 <x>**, ITEMS:41, #1, o.1.1

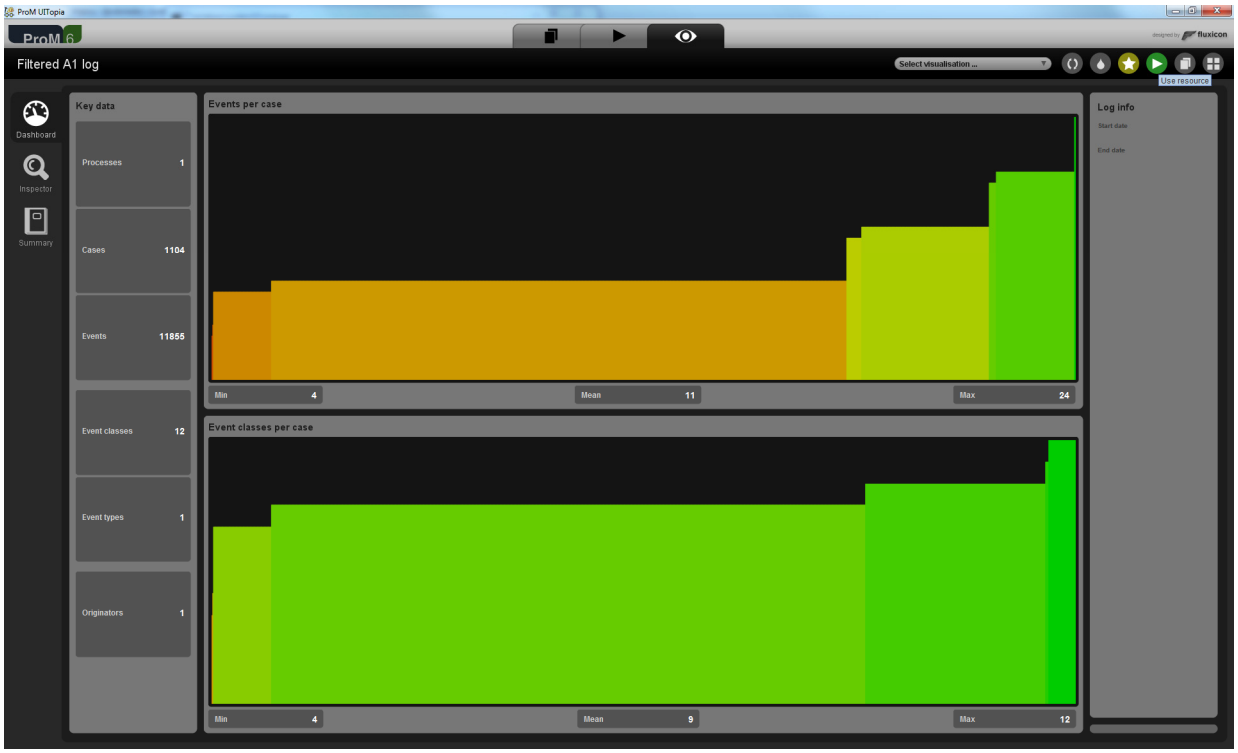
ATTRIBUTE TYPES AND VALUES

KEYS	TYPE	VALUES
concept:instance **Key 2**	string	instance 1 instance 2 instance 3 instance 4
concept:name (A1 and C1 logs)	string	Analyze Defect+complete Analyze Defect+start Archive Repair+complete Inform User+complete Register+complete Repair (Complex)+complete

		Repair (Complex)+start Repair (Simple)+complete Repair (Simple)+start Restart Repair+complete Test Repair+complete Test Repair+start
concept:name (other logs) **Key 1**	string	Analyze Defect Archive Repair Inform User Register Repair (Simple) Repair (Complex) Restart Repair Test Repair
lifecycle:transition **Key 6**	string	start complete
org:group **{0,1,2} 2Sa!! +1 <x>**	string	Group - Group 1, 3, and 5 Group 2 and 4
org:resource **Key 3**	string	SolverC1 SolverC2 SolverC3 SolverS1 SolverS2 SolverS3 System Tester1 Tester2 Tester3 Tester4 Tester5 Tester6
org:role **ITEMS:41, #1, o.1.1**	string	Role 1, 2, and 3 Role 10 Role 9
time:timestamp **Key 4**	date	*Like* 1970-01-02T12:23:56.720+01:00
defectFixed	boolean	true false
defectType	int	1 10 2 3 4 5 6 7

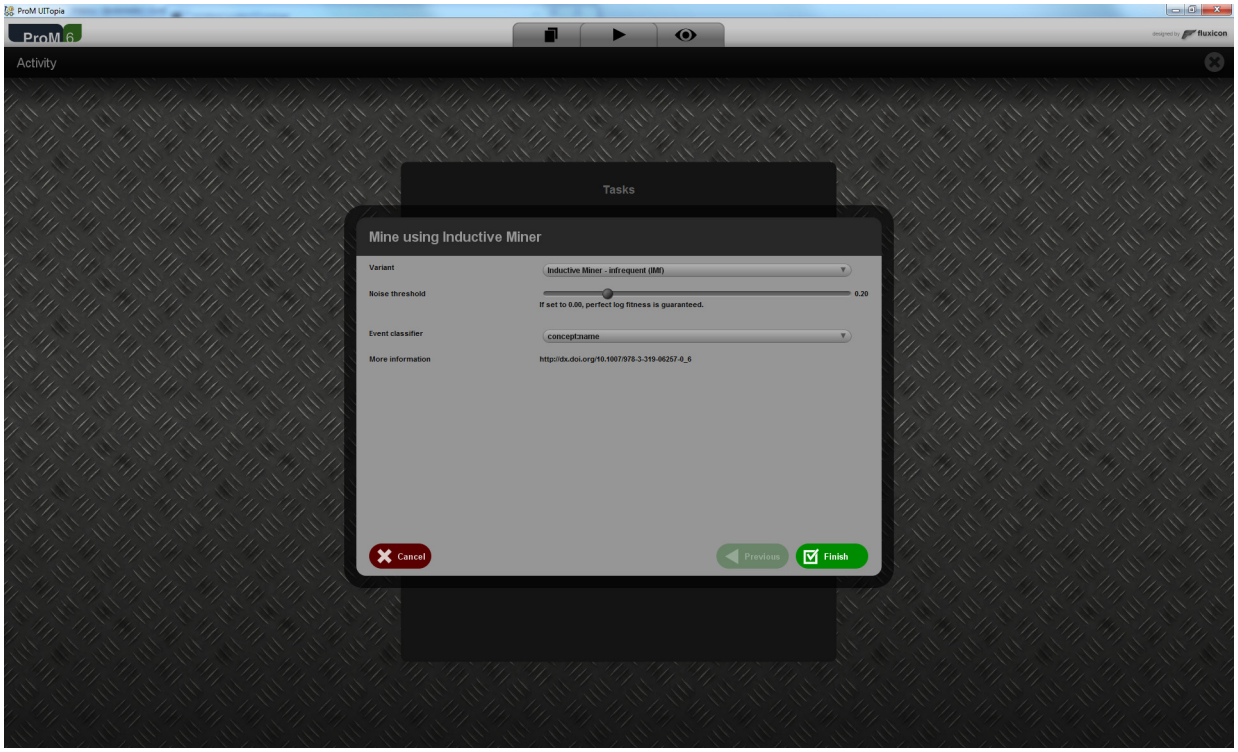
		8 9
numberRepairs	int	0 1 2 3
phoneType	String	T1 T2 T3

Level A1

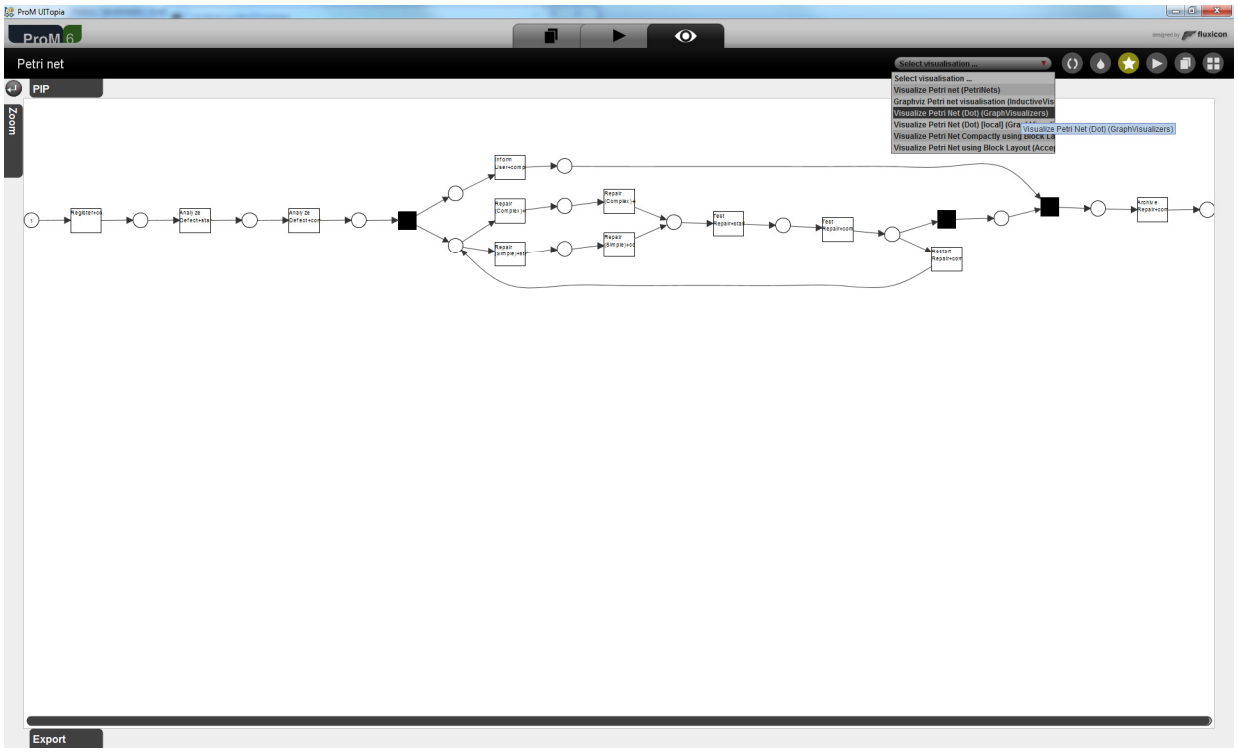


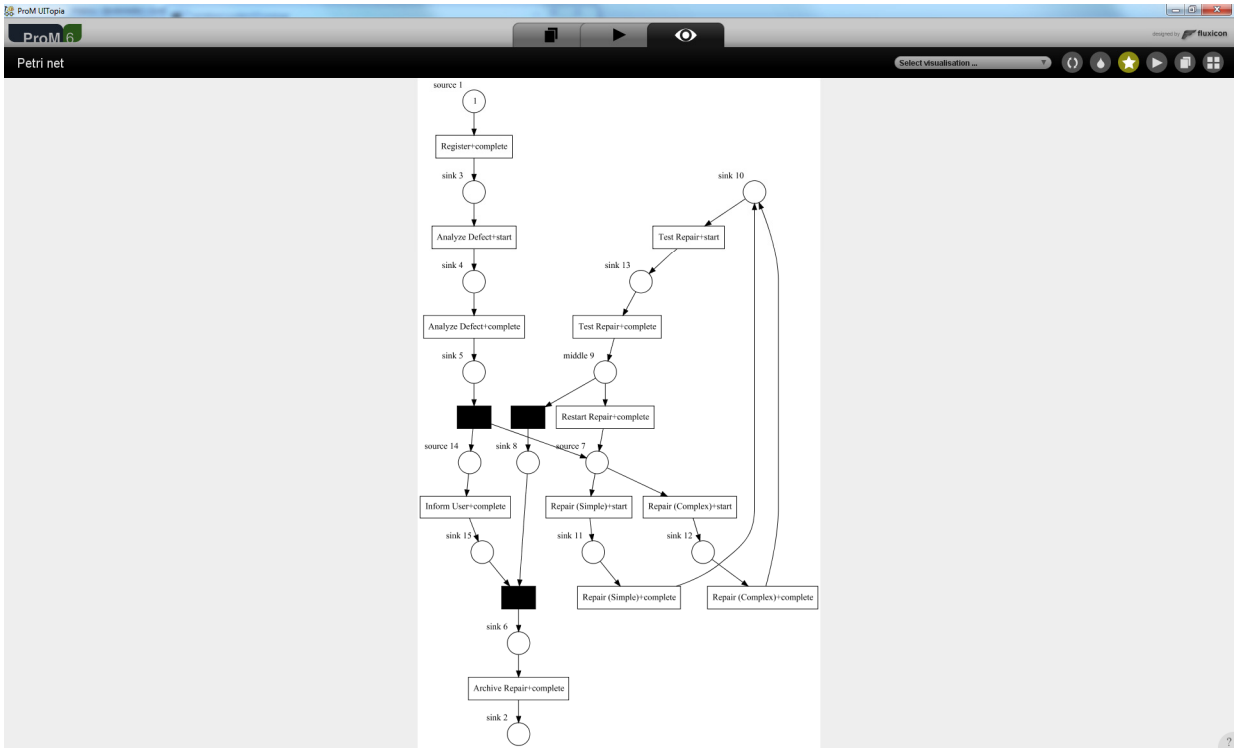
IMPORT

ProM UITopia
ProM 6
fluxicon
Actions
Activity...
Input
Filtered A1 log
XLog
Actions
induc
Mine Petri net with Inductive Miner
S.J.J. Leemans (s.j.j.leemans@tue.nl)
Mine process tree with Inductive Miner
S.J.J. Leemans (s.leemans@qut.edu.au)
Mine stochastic Petri net from log
A. Solti (andreas.rogge-solti@wu.ac.at)
Mine with Inductive visual Miner
S.J.J. Leemans (s.leemans@qut.edu.au)
Visualise deviations on process tree
S.J.J. Leemans (s.leemans@qut.edu.au)
Reset
Start
Start selected action
Output
Petri net
Petri net
initial marking
Marking
final marking
Marking
Plugin action info
Mine Petri net with Inductive Miner
Author: S.J.J. Leemans
Categories: Analytics


ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Mine using Inductive Miner
Variant
Inductive Miner - infrequent (IMI)
Noise threshold
0.20
If set to 0.00, perfect log fitness is guaranteed.
Event classifier
concept:name
More information
http://dx.doi.org/10.1007/978-3-319-06257-0_6
Cancel
Previous
Finish

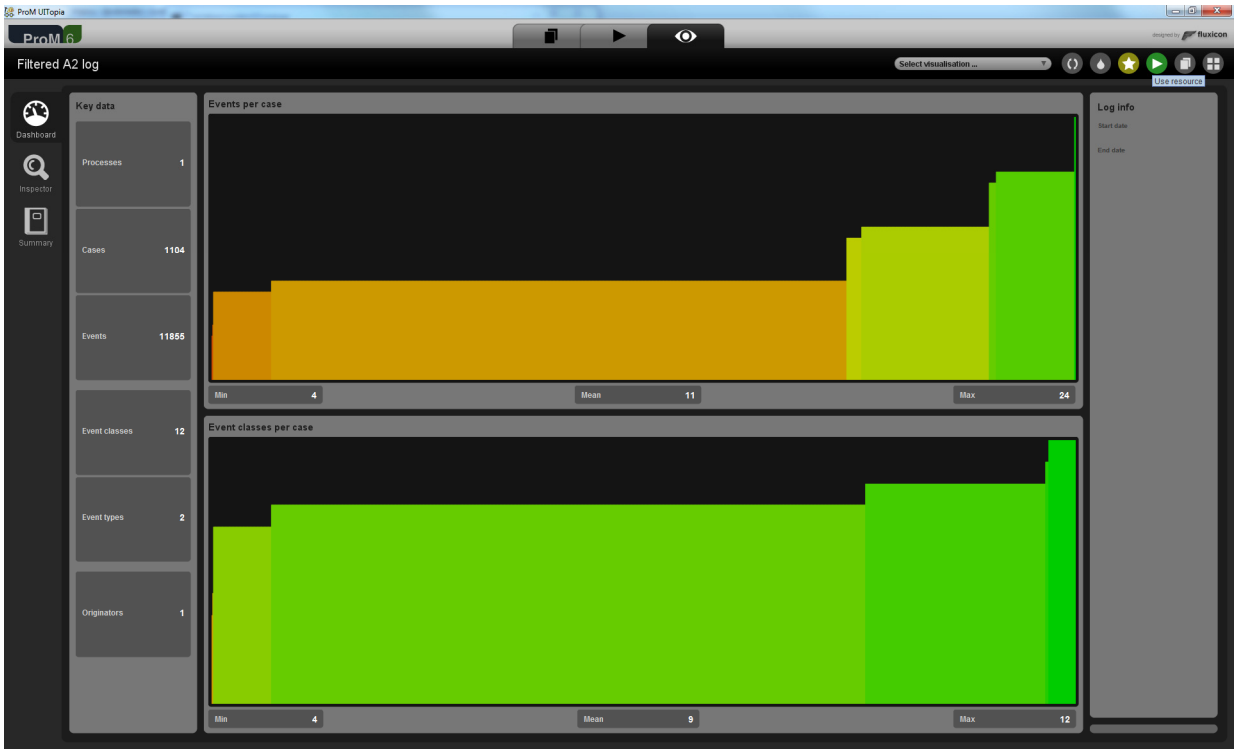
IMPORT


ProM UITopia
ProM 6
fluxicon
Petri net
PIP
zoom
Select visualisation ...
Visualize Petri net (PetriNets)
Graphviz Petri net visualisation (InductiveVis
Visualize Petri Net (Dot) (GraphVisualizers)
Visualize Petri Net (Dot) [local] (Gra
Visualize Petri Net Compactly using BLOCK La
Visualize Petri Net using Block Layout (Acce
Visualize Petri Net (Dot) (GraphVisualizers)
Export


ProM UITopia
ProM 6
fluxicon
Petri net
Select visualisation ...
source 1
Register+complete
sink 3
Analyze Defect+start
sink 4
Analyze Defect+complete
sink 5
source 14
sink 8
source 7
Inform User+complete
sink 15
sink 6
Archive Repair+complete
sink 2
sink 10
Test Repair+start
sink 13
Test Repair+complete
middle 9
Restart Repair+complete
Repair (Simple)+start
Repair (Complex)+start
sink 11
sink 12
Repair (Simple)+complete
Repair (Complex)+complete

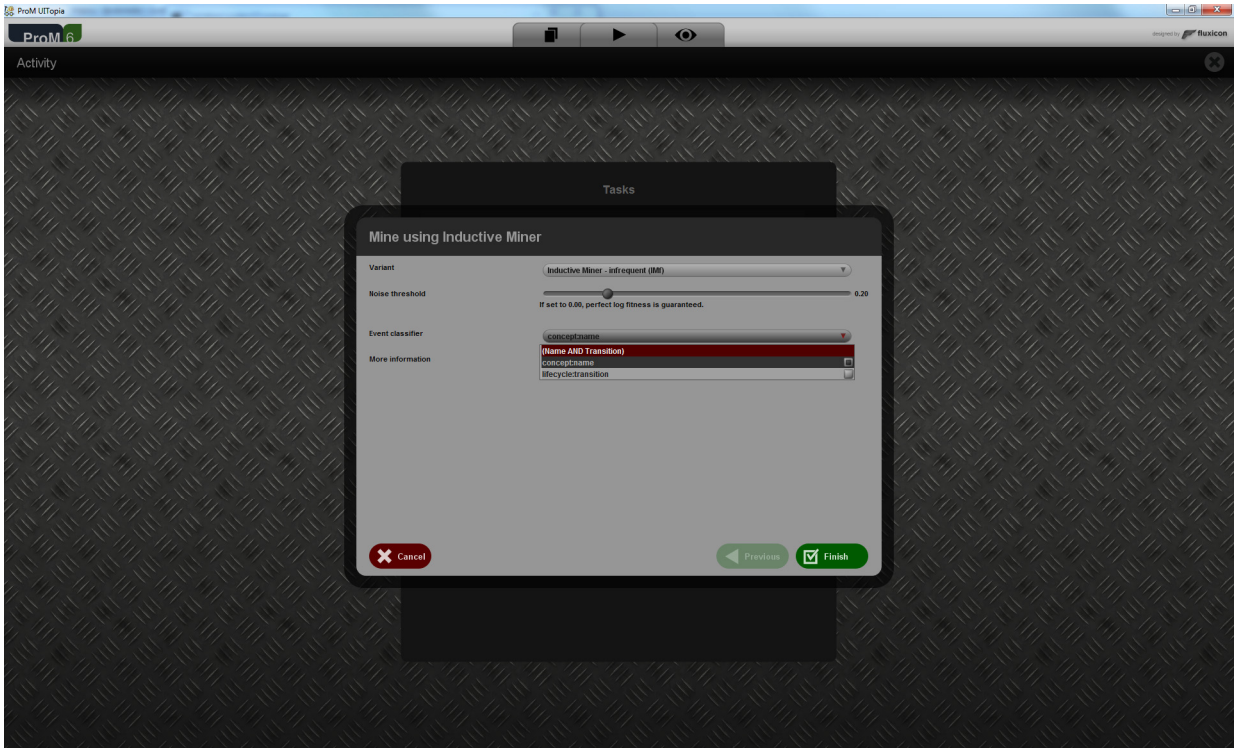
This clearly shows the correct activity names.

Level A2

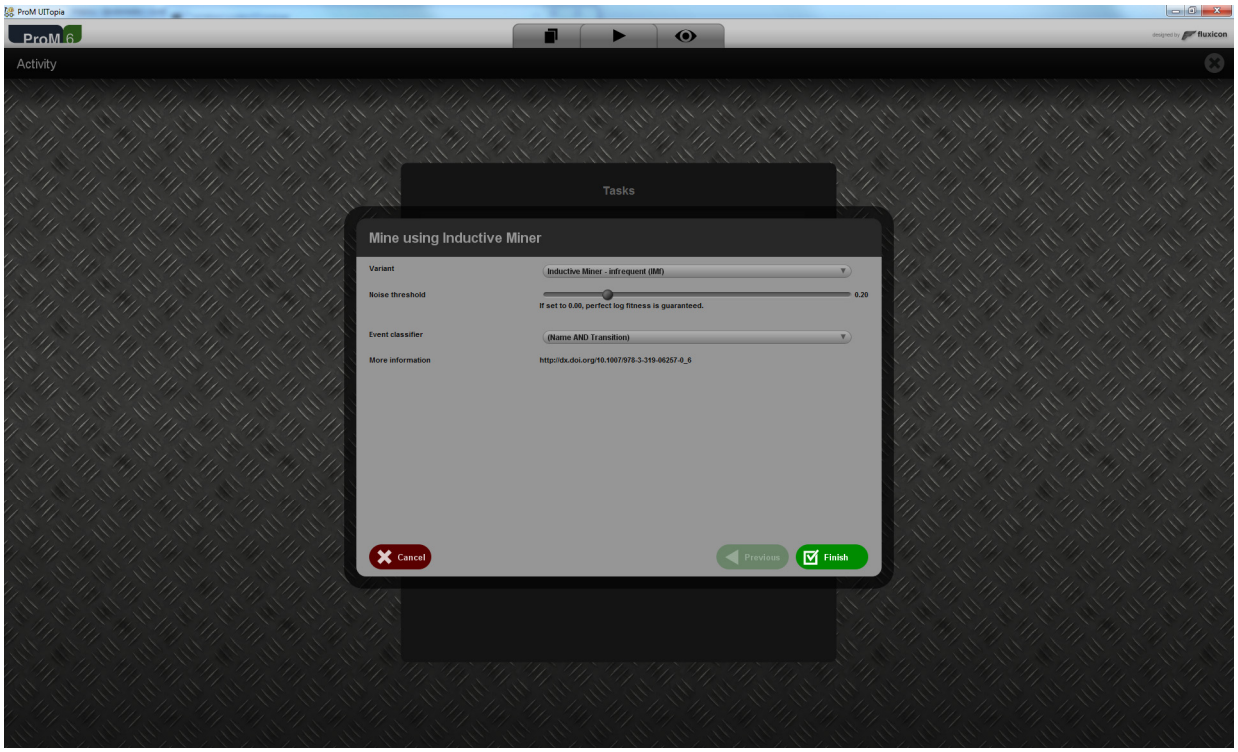


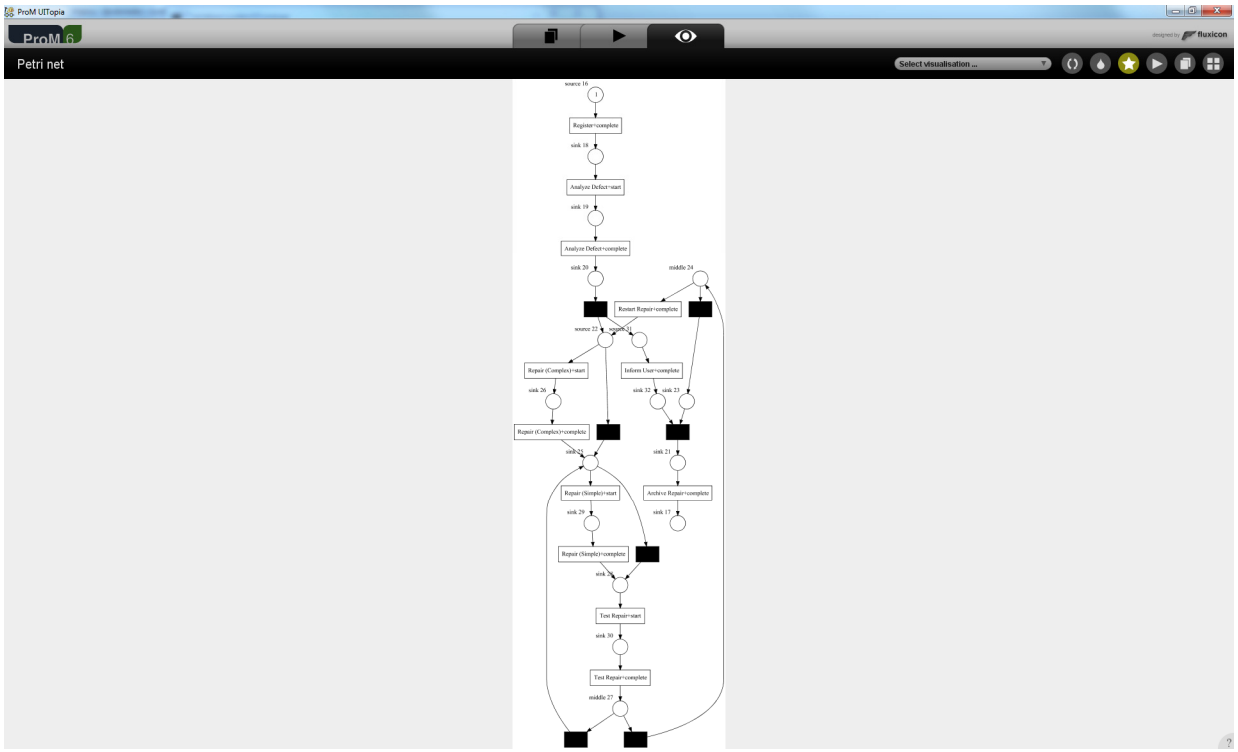
IMPORT

ProM UITopia
ProM 6
fluxicon
Actions
Activity...
Input
Filtered A2 log
XLog
Actions
Mine Petri net with Inductive Miner
Mine process tree with Inductive Miner
Mine stochastic Petri net from log
Mine with Inductive visual Miner
Visualise deviations on process tree
Reset
Start
Start selected action
Output
Petri net
initial marking
final marking
Plugin action info
Mine Petri net with Inductive Miner
Author: S.J.J. Leemans
Categories: Analytics


ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Mine using Inductive Miner
Variant
Inductive Miner - infrequent (IMI)
Noise threshold
0.20
If set to 0.00, perfect log fitness is guaranteed.
Event classifier
concept:name
(Name AND Transition)
concept:name
lifecycle:transition
More information
Cancel
Previous
Finish

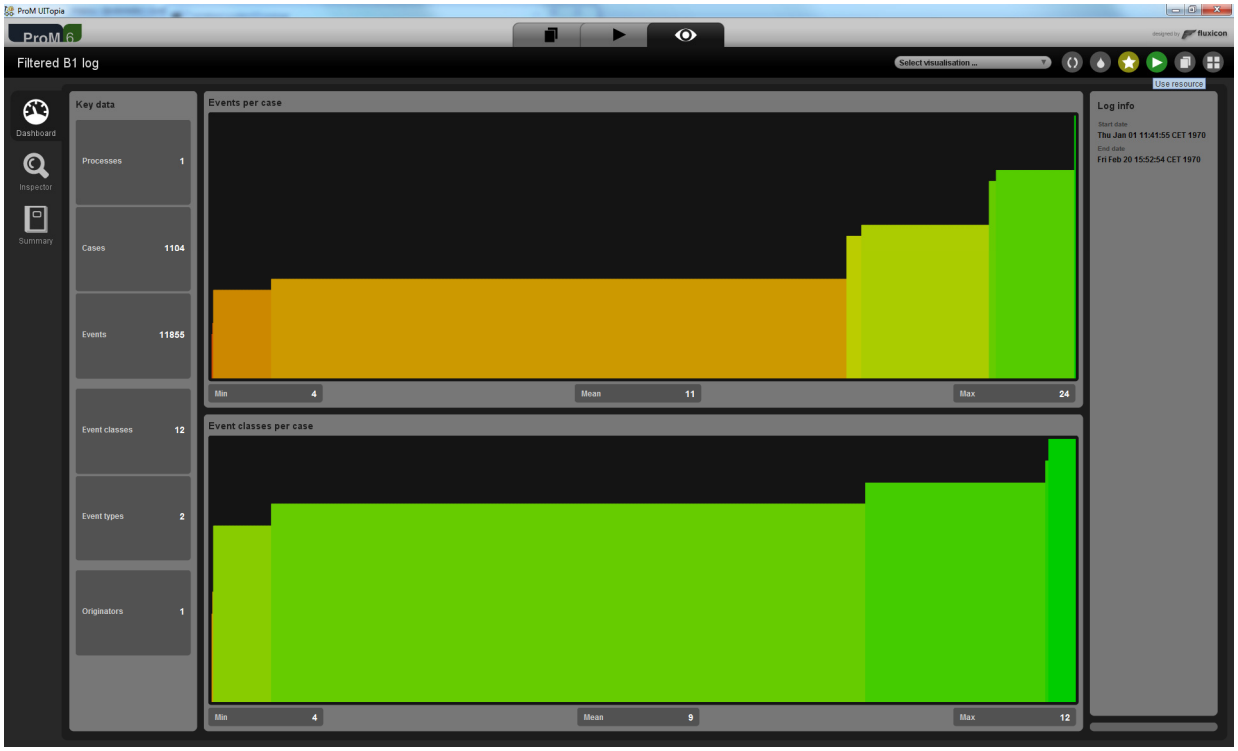
IMPORT


ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Mine using Inductive Miner
Variant
Inductive Miner - infrequent (IMf)
Noise threshold
0.20
If set to 0.00, perfect log fitness is guaranteed.
Event classifier
(Name AND Transition)
More information
http://dx.doi.org/10.1007/978-3-319-06257-0_6
Cancel
Previous
Finish

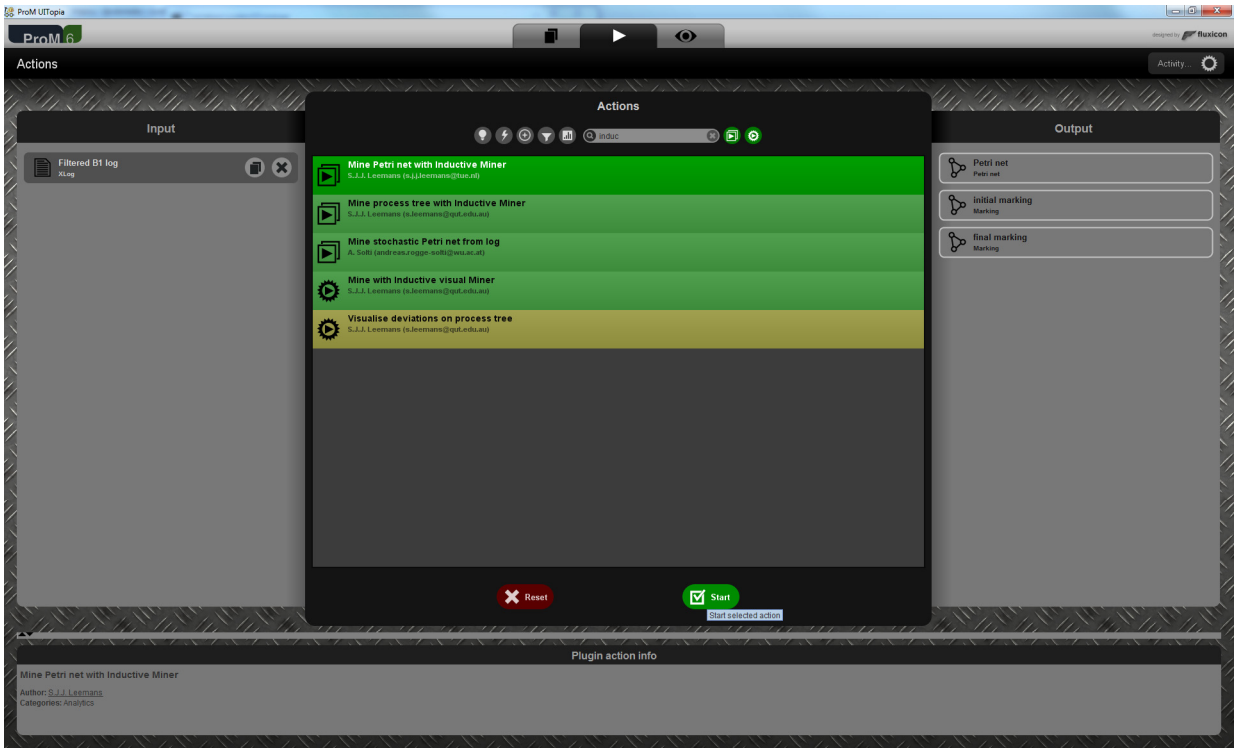

ProM UITopia
ProM 6
fluxicon
Petri net
Select visualisation ...
Register+complete
Analyze Defect+start
Analyze Defect+complete
Restart Repair+complete
Repair (Complex)+start
Inform User+complete
Repair (Complex)+complete
Repair (Simple)+start
Archive Repair+complete
Repair (Simple)+complete
Test Repair+start
Test Repair+complete

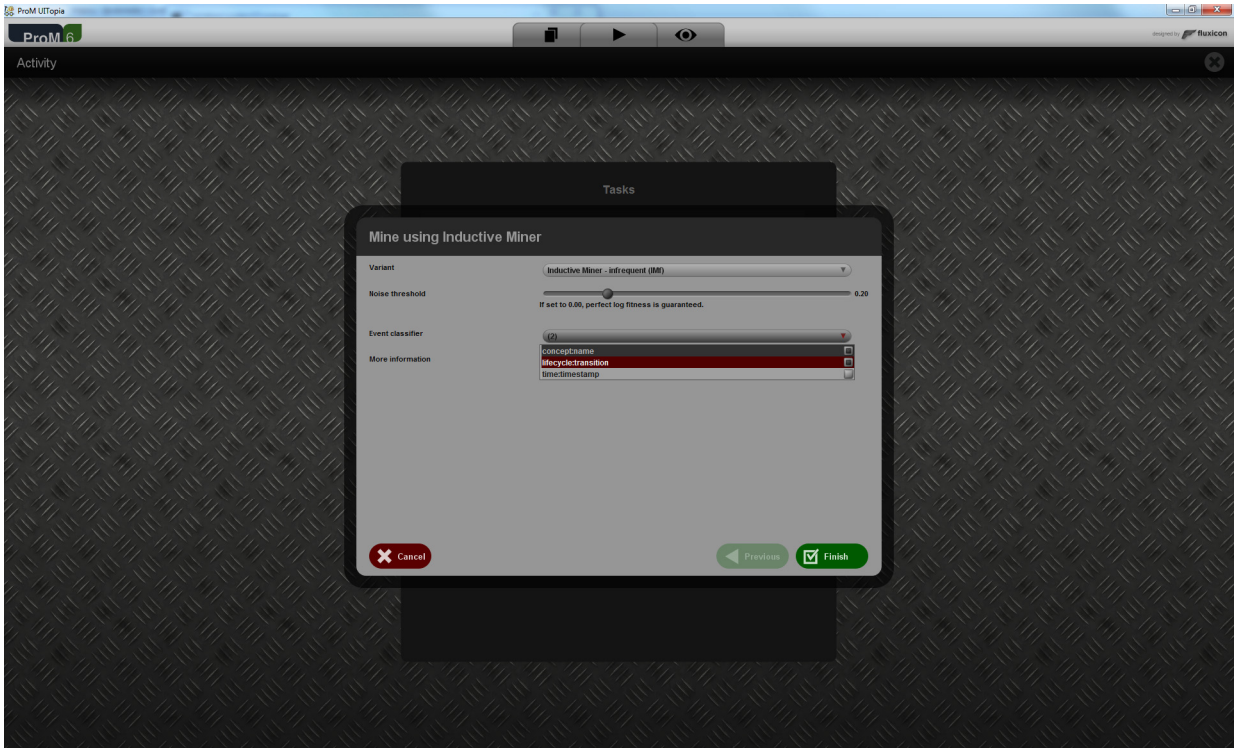
This clearly shows the correct combinations of concept names and lifecycle transitions (as defined by the classifier (Name AND Transition)) as activity names.

Level B1

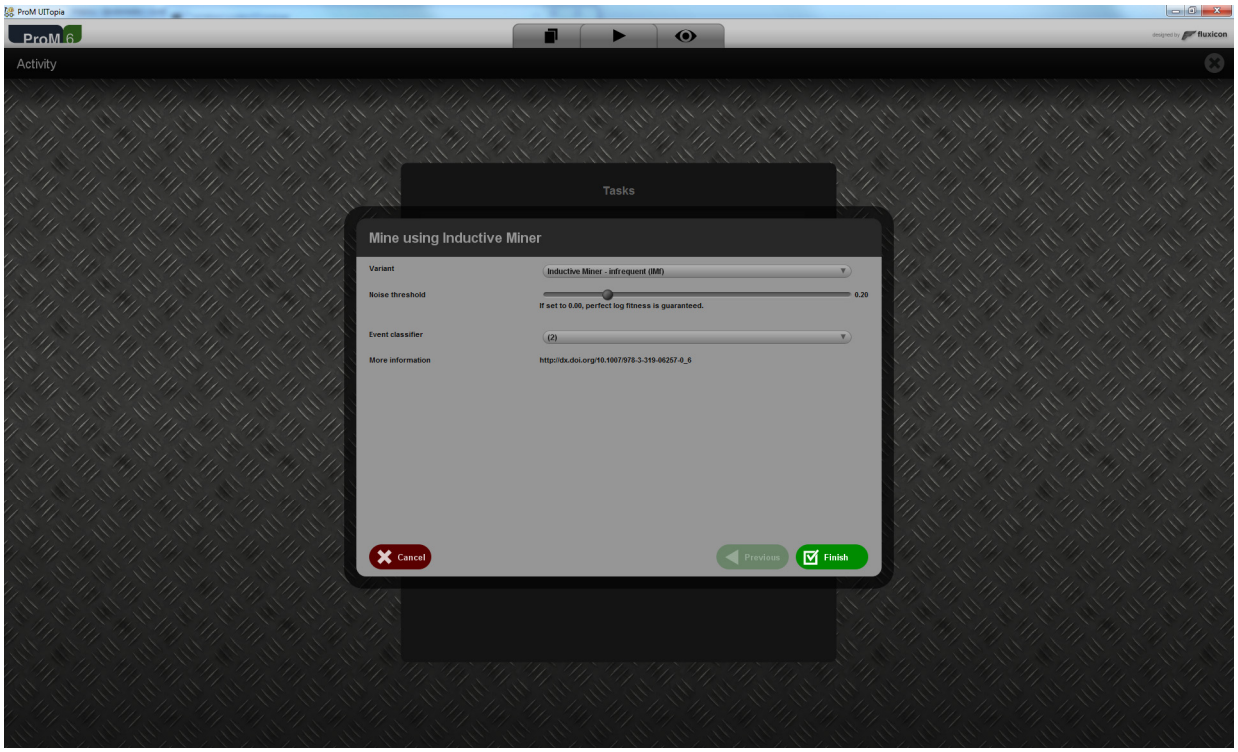


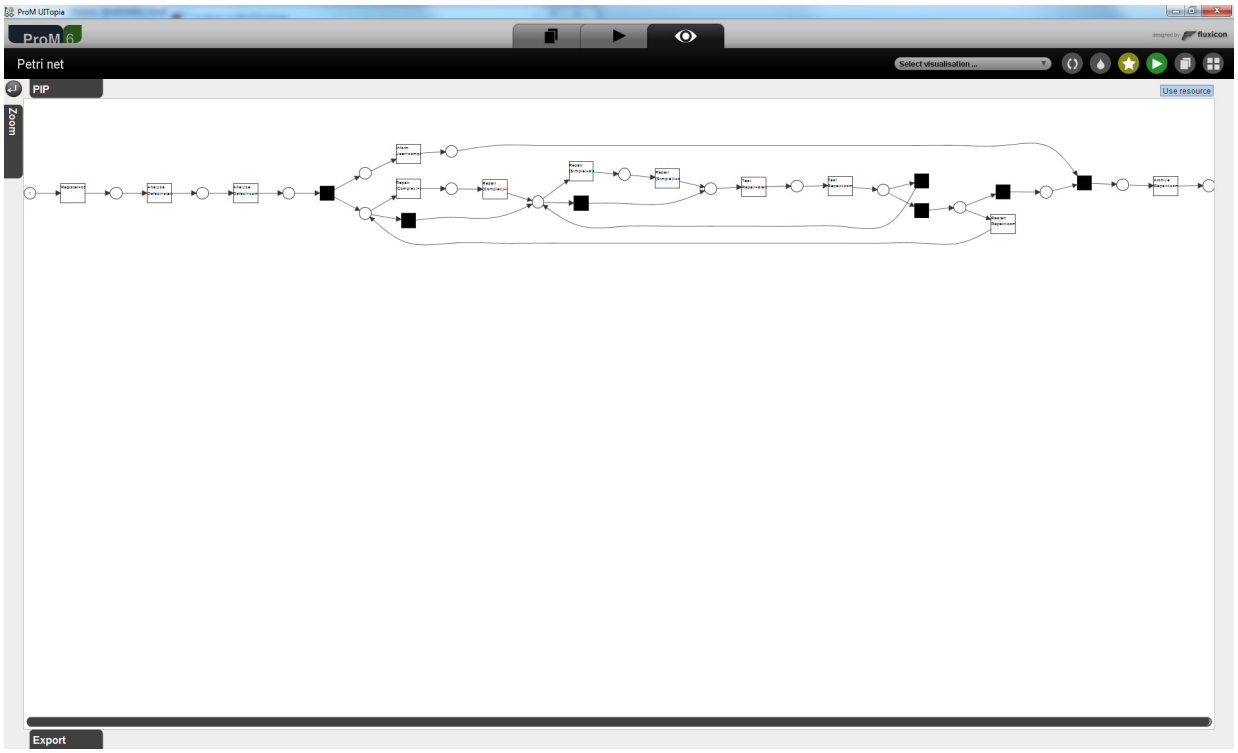
IMPORT


ProM UITopia
ProM 6
fluxicon
Actions
Activity...
Input
Filtered B1 log
XLog
Actions
Mine Petri net with Inductive Miner
Mine process tree with Inductive Miner
Mine stochastic Petri net from log
Mine with Inductive visual Miner
Visualise deviations on process tree
Reset
Start
Start selected action
Output
Petri net
initial marking
final marking
Plugin action info
Mine Petri net with Inductive Miner
Author: S.J.J. Leemans
Categories: Analytics


ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Mine using Inductive Miner
Variant
Inductive Miner - infrequent (IMI)
Noise threshold
0.20
If set to 0.00, perfect log fitness is guaranteed.
Event classifier
(2)
concept:name
lifecycle:transition
time:timestamp
More information
Cancel
Previous
Finish

IMPORT


ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Mine using Inductive Miner
Variant
Inductive Miner - infrequent (IMf)
Noise threshold
0.20
If set to 0.00, perfect log fitness is guaranteed.
Event classifier
(2)
More information
http://dx.doi.org/10.1007/978-3-319-06257-0_6
Cancel
Previous
Finish


ProM UITopia
ProM 6
fluxicon
Petri net
Select visualisation ...
PIP
Use resource
Zoom
Export

IMPORT

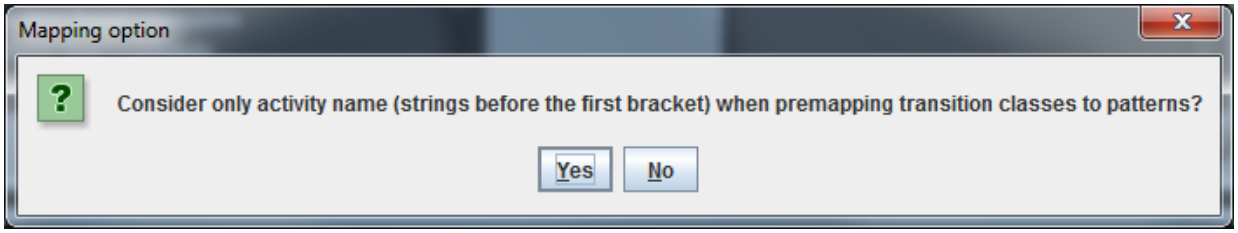
ProM UITopia
ProM 6
Actions
Input
Output
Petri net
Event Log
Manifest
Actions
Multi-perspective Process Explorer - Performance View
Perform a simple simulation of a (stochastic) Petri net
PN Performance Analysis
Repair Model
Repair Model (find subprocesses)
Repair Model (find subprocesses)
Replay a Log on Petri Net for Performance/Conformance Analysis
Simplify Mined Model Using Uma
Simplify Mined Model Using Uma
PN Performance Analysis
Reset
Start
Plugin action info
Replay a Log on Petri Net for Performance/Conformance Analysis
Package: PNetReplayer
Categories: Conformance Checking

ProM UITopia
ProM 6
Actions
Input
Output
Petri net
Event Log
Manifest
Actions
Select resource
Filtered B1 log
Cancel
Select
Plugin action info
Replay a Log on Petri Net for Performance/Conformance Analysis
Package: PNetReplayer
Categories: Conformance Checking

IMPORT

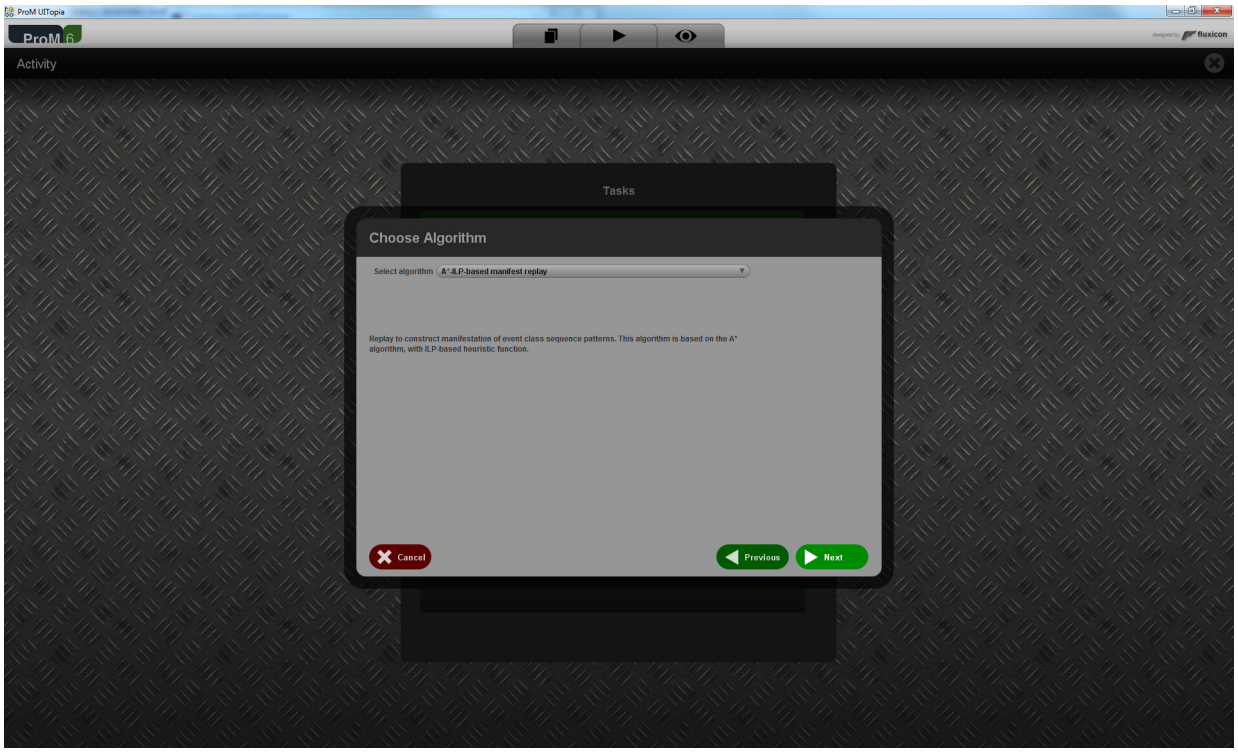
ProM UITopia
ProM 6
Actions
Input
Petri net
Filtered B1 log
Actions
Multi-perspective Process Explorer - Performance View
Perform a simple simulation of a (stochastic) Petri net
PN Performance Analysis
Repair Model
Repair Model (find subprocesses)
Repair Model (find subprocesses)
Replay a Log on Petri Net for Performance/Conformance Analysis
Simplify Mined Model Using Uma
Simplify Mined Model Using Uma
PN Performance Analysis
Reset
Start
Output
Manifest
Plugin action info
Replay a Log on Petri Net for Performance/Conformance Analysis
Package: PNetReplayer
Categories: Conformance Checking

ProM UITopia
ProM 6
Activity
Create Event Class Pattern
Create New Pattern/Omega-Pattern
Pattern
Omega-Pattern
Choose Event Classifier
MXML Legacy Classifier
List of Event Class
Analyze Defect+complete
Analyze Defect+start
Archive Repair+complete
Inform User+complete
Register+complete
Add >>
<< Remove
Event Class Sequence Pattern
Commit as New Pattern
Committed Patterns
Test Repair(start,complete)
Repair (Simple)(start,complete)
Repair (Complex)(start,complete)
Analyze Defect(start,complete)
Analyze Defect(complete)
Analyze Defect(start)
Archive Repair(complete)
Inform User(complete)
Remove selected pattern(s)
Cancel
Previous
Next

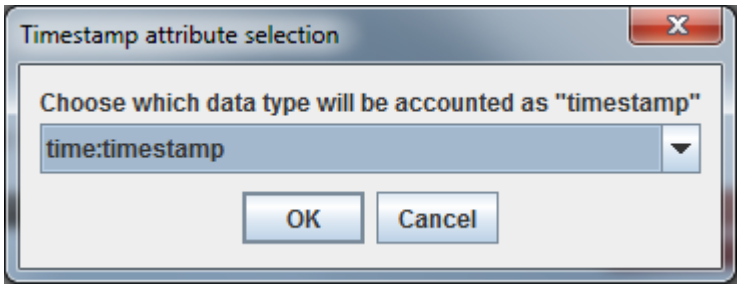

Mapping option
Consider only activity name (strings before the first bracket) when premapping transition classes to patterns?
Yes
No

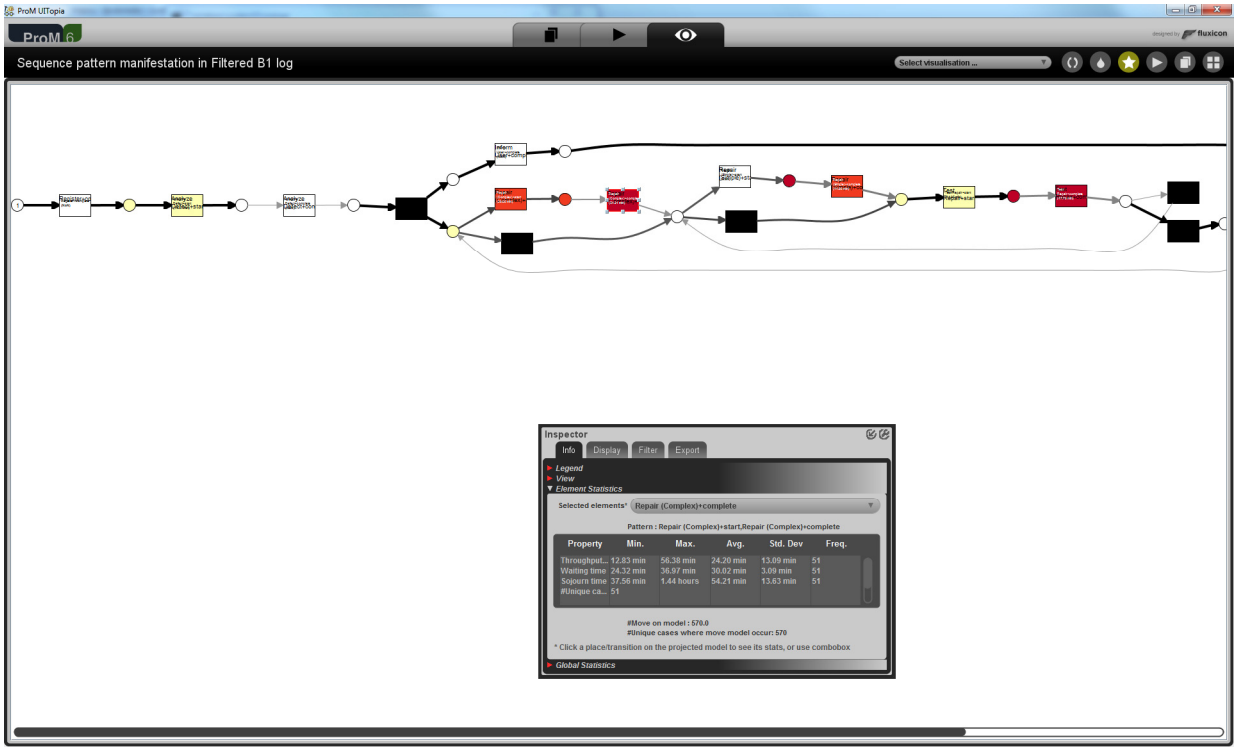
ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Map Transition Classes to Patterns
Transition Classifier
Label-based Classifier
Analyze Defect+complete
Analyze Defect(start,complete)
Analyze Defect+start
Analyze Defect(start,complete)
Archive Repair+complete
Archive Repair(complete)
Inform User+complete
Inform User(complete)
Register+complete
Register(complete)
Repair (Complex)+complete
Repair (Complex)(start,complete)
Repair (Complex)+start
Repair (Complex)(start,complete)
Repair (Simple)+complete
Repair (Simple)(start,complete)
Repair (Simple)+start
Repair (Simple)(start,complete)
Restart Repair+complete
Restart Repair(complete)
Test Repair+complete
Test Repair(start,complete)
Test Repair+start
Test Repair(start,complete)
tau from tree
[NONE]
tau join
[NONE]
tau split
[NONE]
Cancel
Previous
Next

IMPORT


ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Choose Algorithm
Select algorithm
A*-ILP-based manifest replay
Replay to construct manifestation of event class sequence patterns. This algorithm is based on the A* algorithm, with ILP-based heuristic function.
Cancel
Previous
Next

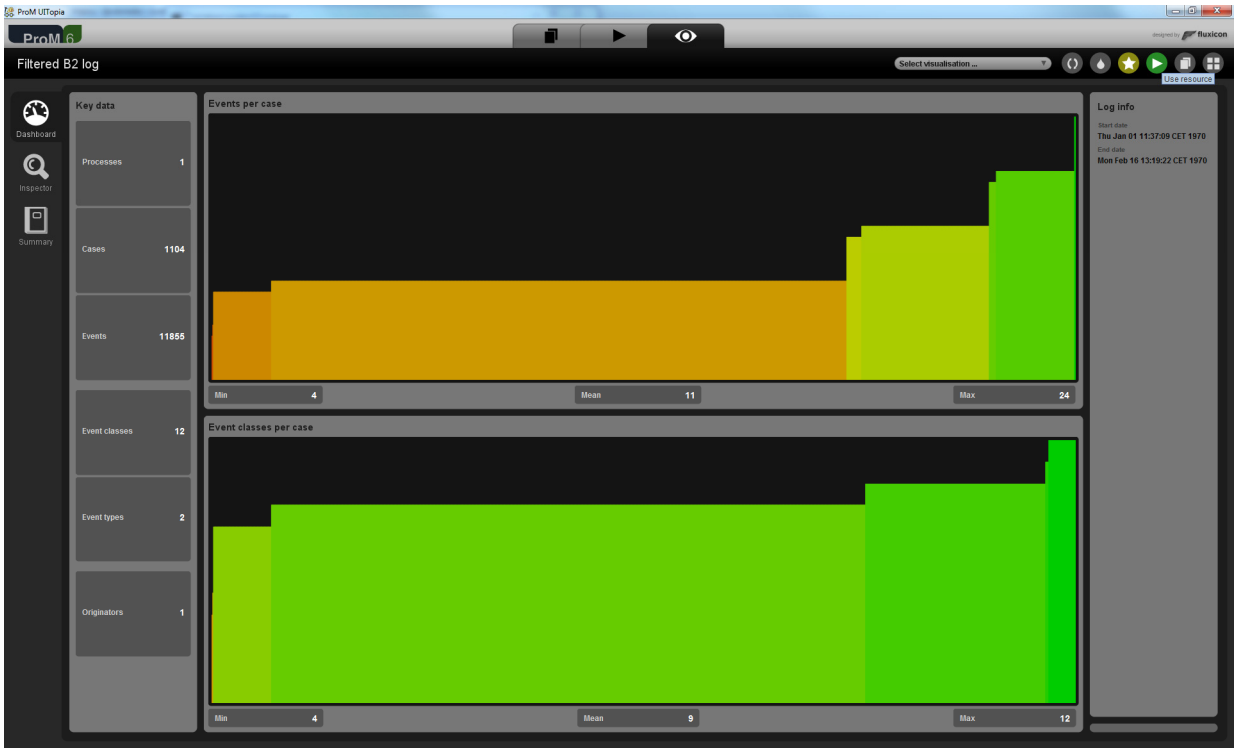
ProM UITopia
ProM 6
fluxicon
Activity
Set Cost for Movements
Maximum explored states (in hundreds). Set max for unlimited.
2000
Transition Class
Move on Model Cost
Analyze Defect+complete
Analyze Defect+start
Archive Repair+complete
Inform User+complete
Register+complete
Repair (Complex)+complete
Repair (Complex)+start
Repair (Simple)+complete
Repair (Simple)+start
Set all costs above to
1
Set
Event Class
Move on Log Cost
Transition Class
Move Synchronous Cost
Cancel
Previous
Finish





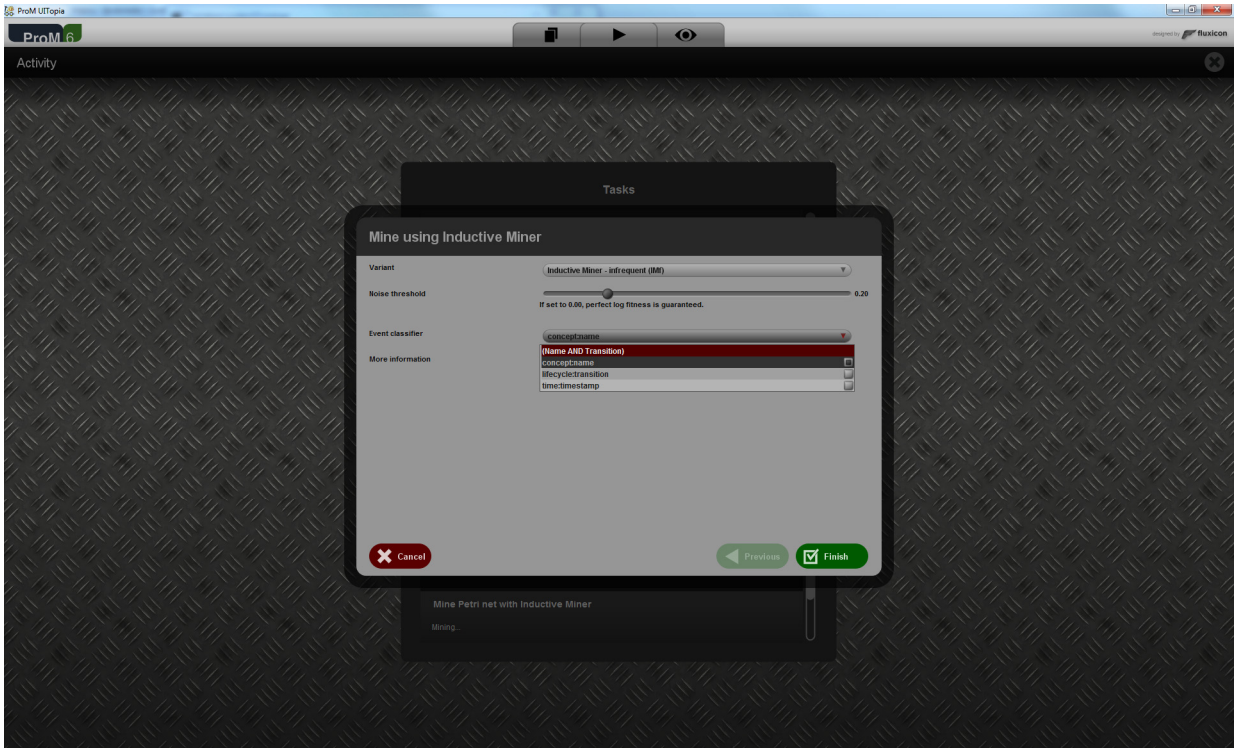
This shows that the three attributes are taken into account.

Level B2

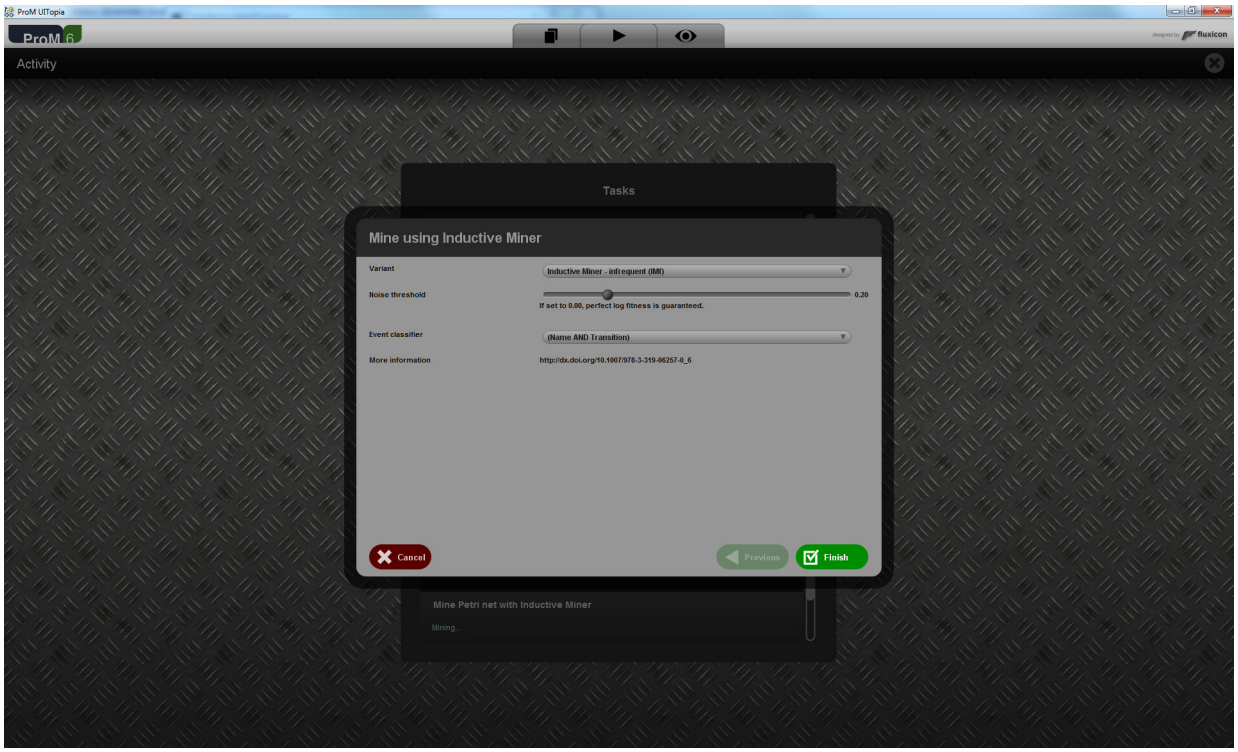

ProM UITopia
ProM 6
Filtered B2 log
Select visualisation ...
Use resource
Dashboard
Inspector
Summary
Key data
Processes 1
Cases 1104
Events 11855
Event classes 12
Event types 2
Originators 1
Events per case
Min 4
Mean 11
Max 24
Event classes per case
Min 4
Mean 9
Max 12
Log info
Start date
Thu Jan 01 11:37:09 CET 1970
End date
Mon Feb 16 13:19:22 CET 1970

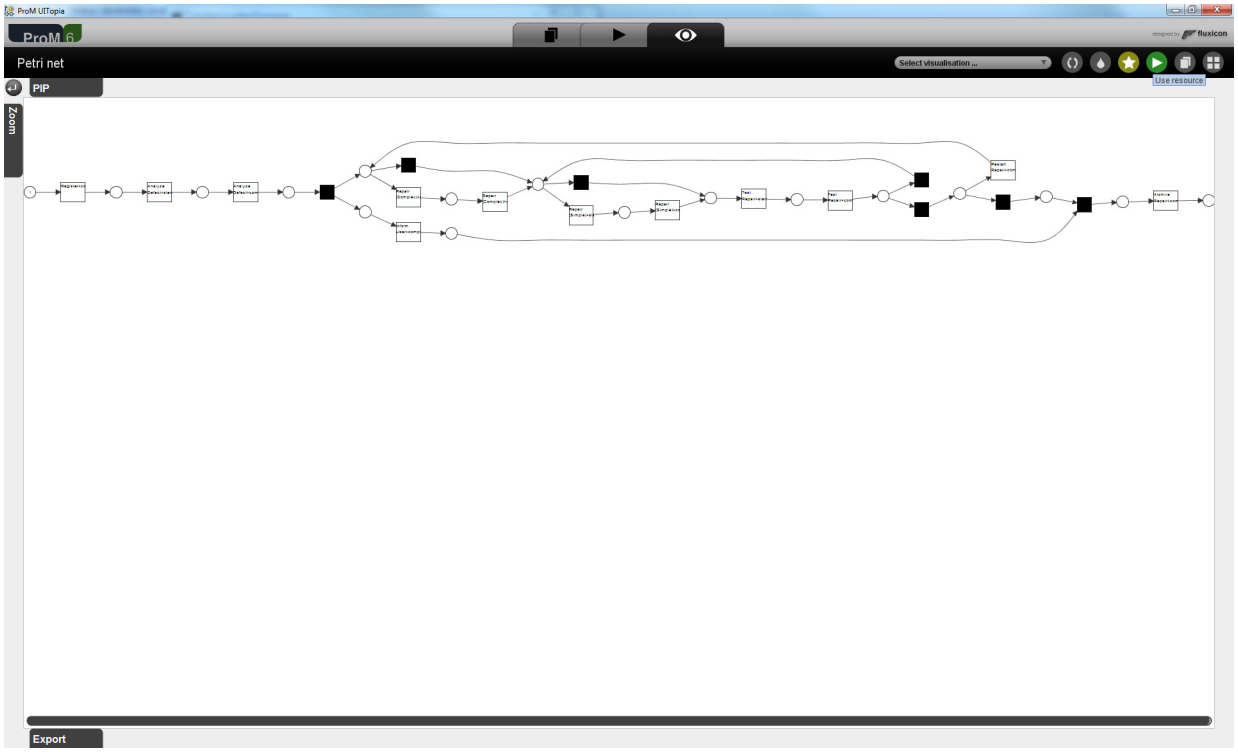
IMPORT

ProM UITopia
ProM 6
Actions
Input
Filtered B2 log
XLog
Actions
Mine Petri net with Inductive Miner
Mine process tree with Inductive Miner
Mine stochastic Petri net from log
Mine with Inductive visual Miner
Visualise deviations on process tree
Reset
Start
Start selected action
Output
Petri net
initial marking
final marking
Plugin action info
Mine Petri net with Inductive Miner
Author: S.J.J. Leemans
Categories: Analytics

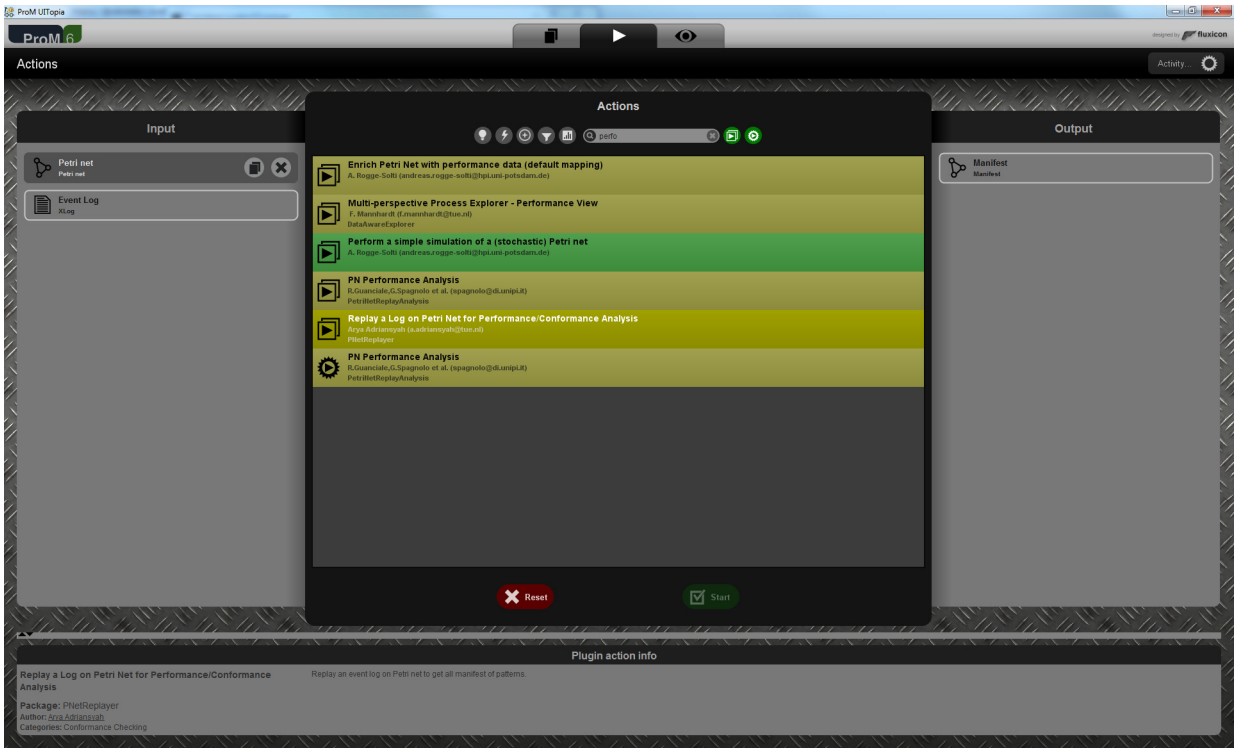

ProM UITopia
ProM 6
Activity
Tasks
Mine using Inductive Miner
Variant
Inductive Miner - infrequent (IMI)
Noise threshold
0.20
If set to 0.00, perfect log fitness is guaranteed.
Event classifier
concept:name
More information
(Name AND Transition)
concept:name
lifecycle:transition
time:timestamp
Cancel
Previous
Finish
Mine Petri net with Inductive Miner
Mining...

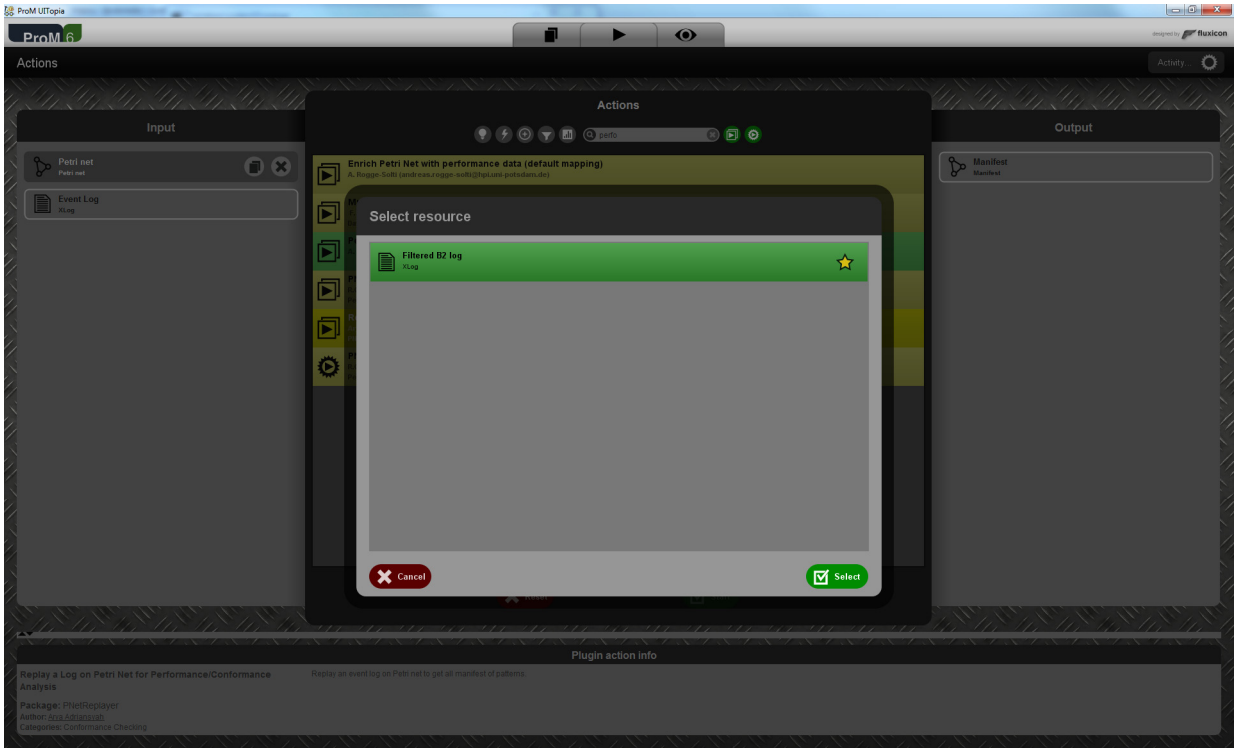
IMPORT


ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Mine using Inductive Miner
Variant
Inductive Miner - infrequent (IMf)
Noise threshold
0.20
If set to 0.00, perfect log fitness is guaranteed.
Event classifier
(Name AND Transition)
More information
http://dx.doi.org/10.1007/978-3-319-06257-0_6
Cancel
Previous
Finish
Mine Petri net with Inductive Miner
Mining...


ProM UITopia
ProM 6
fluxicon
Petri net
Select visualisation ...
Use resource
PIP
Zoom
Export

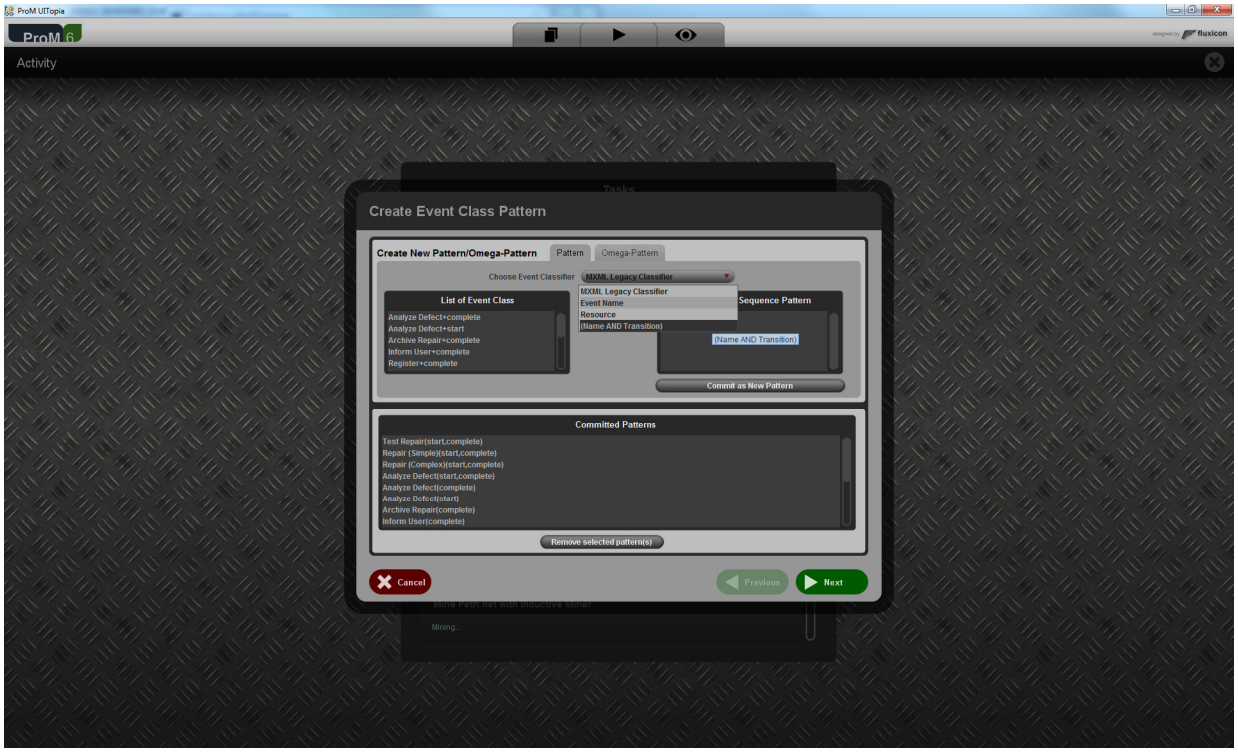
IMPORT


ProM UITopia
ProM 6
Actions
Input
Petri net
Event Log
Actions
Enrich Petri Net with performance data (default mapping)
Multi-perspective Process Explorer - Performance View
Perform a simple simulation of a (stochastic) Petri net
PN Performance Analysis
Replay a Log on Petri Net for Performance/Conformance Analysis
PN Performance Analysis
Reset
Start
Output
Manifest
Plugin action info
Replay a Log on Petri Net for Performance/Conformance Analysis
Package: PNetReplayer
Categories: Conformance Checking


ProM UITopia
ProM 6
Actions
Input
Petri net
Event Log
Actions
Enrich Petri Net with performance data (default mapping)
Select resource
Filtered B2 log
Cancel
Select
Output
Manifest
Plugin action info
Replay a Log on Petri Net for Performance/Conformance Analysis
Package: PNetReplayer
Categories: Conformance Checking

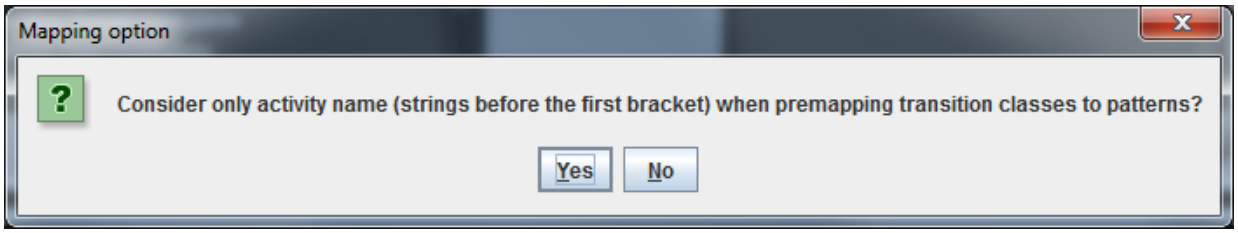
IMPORT

ProM UITopia
ProM 6
Actions
Input
Petri net
Filtered B2 log
Actions
Enrich Petri Net with performance data (default mapping)
Multi-perspective Process Explorer - Performance View
Perform a simple simulation of a (stochastic) Petri net
PN Performance Analysis
Replay a Log on Petri Net for Performance/Conformance Analysis
PN Performance Analysis
Reset
Start
Start selected action
Output
Manifest
Plugin action info
Replay a Log on Petri Net for Performance/Conformance Analysis
Replay an event log on Petri net to get all manifest of patterns.
Package: PNetReplayer
Categories: Conformance Checking


ProM UITopia
ProM 6
Activity
Create Event Class Pattern
Create New Pattern/Omega-Pattern
Pattern
Omega-Pattern
Choose Event Classifier
MXML Legacy Classifier
Event Name
Resource
(Name AND Transition)
List of Event Class
Analyze Defect+complete
Analyze Defect+start
Archive Repair+complete
Inform User+complete
Register+complete
Sequence Pattern
(Name AND Transition)
Commit as New Pattern
Committed Patterns
Test Repair(start,complete)
Repair (Simple)(start,complete)
Repair (Complex)(start,complete)
Analyze Defect(start,complete)
Analyze Defect(complete)
Analyze Defect(start)
Archive Repair(complete)
Inform User(complete)
Remove selected pattern(s)
Cancel
Previous
Next

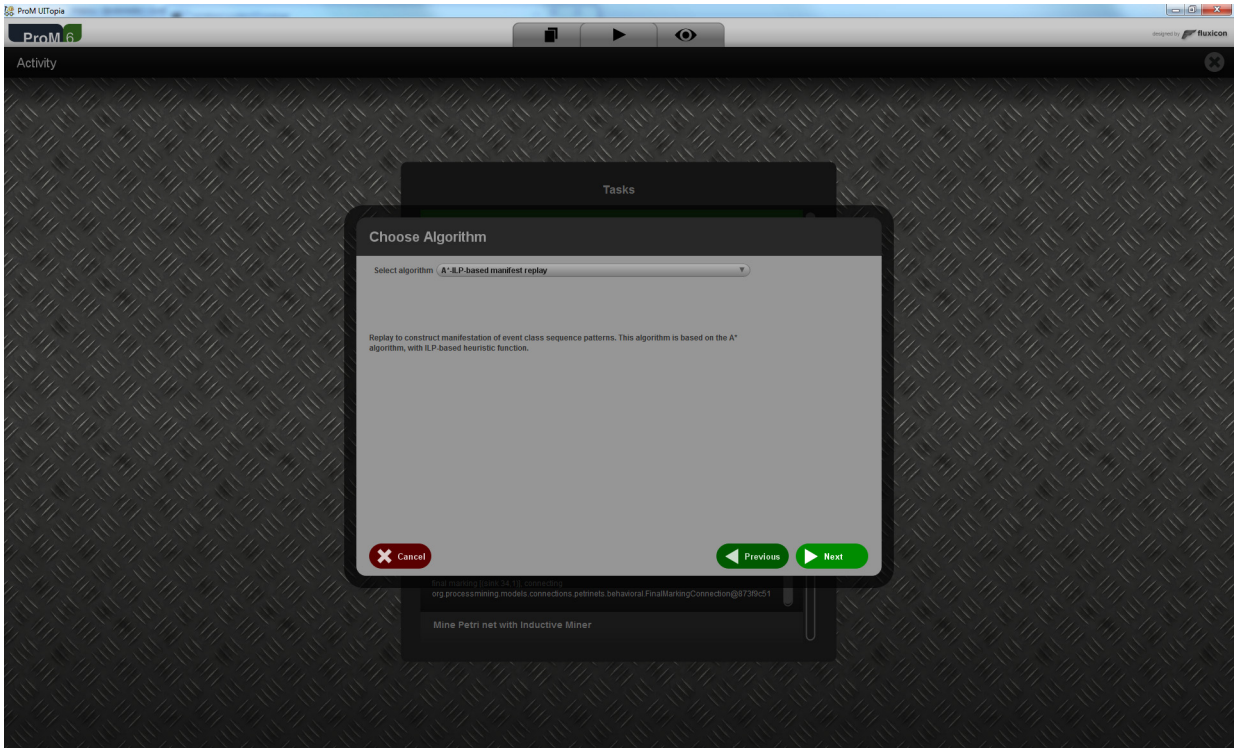
IMPORT

ProM UITopia
ProM 6
Activity
Create Event Class Pattern
Create New Pattern/Omega-Pattern
Pattern
Omega-Pattern
Choose Event Classifier
(Name AND Transition)
List of Event Class
Analyze Defect+complete
Analyze Defect+start
Archive Repair+complete
Inform User+complete
Register+complete
Add >>
<< Remove
Event Class Sequence Pattern
Commit as New Pattern
Committed Patterns
Test Repair(start,complete)
Repair (Simple)(start,complete)
Repair (Complex)(start,complete)
Analyze Defect(start,complete)
Analyze Defect(complete)
Analyze Defect(start)
Archive Repair(complete)
Inform User(complete)
Remove selected pattern(s)
Cancel
Previous
Next


Mapping option
Consider only activity name (strings before the first bracket) when premapping transition classes to patterns?
Yes
No

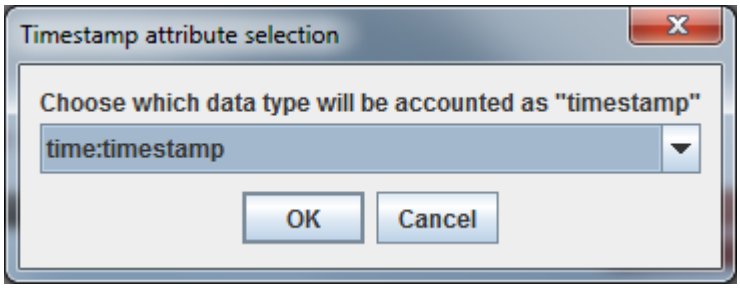
IMPORT

ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Map Transition Classes to Patterns
Transition Classifier
Label-based Classifier
Analyze Defect+complete
Analyze Defect(start,complete)
Analyze Defect+start
Analyze Defect(start,complete)
Archive Repair+complete
Archive Repair(complete)
Inform User+complete
Inform User(complete)
Register+complete
Register(complete)
Repair (Complex)+complete
Repair (Complex)(start,complete)
Repair (Complex)+start
Repair (Complex)(start,complete)
Repair (Simple)+complete
Repair (Simple)(start,complete)
Repair (Simple)+start
Repair (Simple)(start,complete)
Restart Repair+complete
Restart Repair(complete)
Test Repair+complete
Test Repair(start,complete)
Test Repair+start
Test Repair(start,complete)
tau from tree
[NONE]
tau join
[NONE]
tau split
[NONE]
Cancel
Previous
Next
Mine Petri net with Inductive Miner

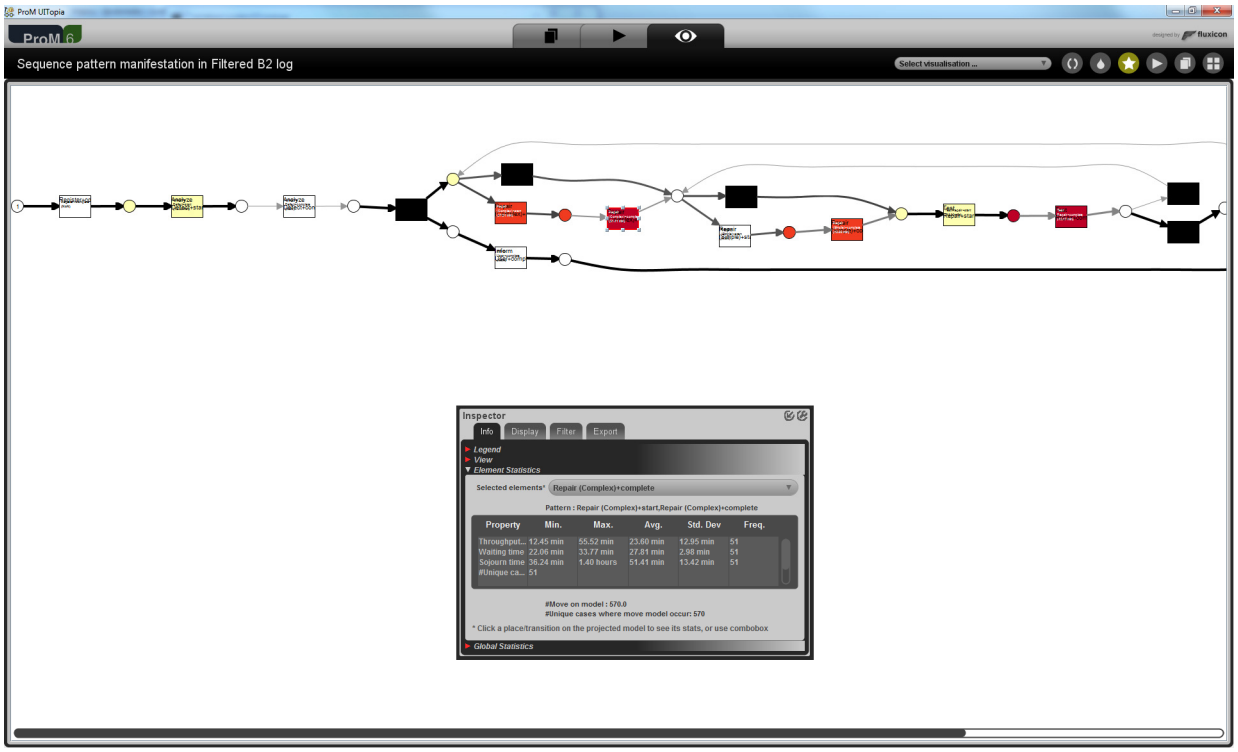

ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Choose Algorithm
Select algorithm
A*-ILP-based manifest replay
Replay to construct manifestation of event class sequence patterns. This algorithm is based on the A* algorithm, with ILP-based heuristic function.
Cancel
Previous
Next
Mine Petri net with Inductive Miner

IMPORT

ProM UITopia
ProM 6
fluxicon
Activity
Set Cost for Movements
Maximum explored states (in hundreds). Set max for unlimited.
2000
Transition Class
Move on Model Cost
Analyze Defect+complete
Analyze Defect+start
Archive Repair+complete
Inform User+complete
Register+complete
Repair (Complex)+complete
Repair (Complex)+start
Repair (Simple)+complete
Repair (Simple)+start
Set all costs above to
1
Set
Event Class
Move on Log Cost
Transition Class
Move Synchronous Cost
Cancel
Previous
Finish

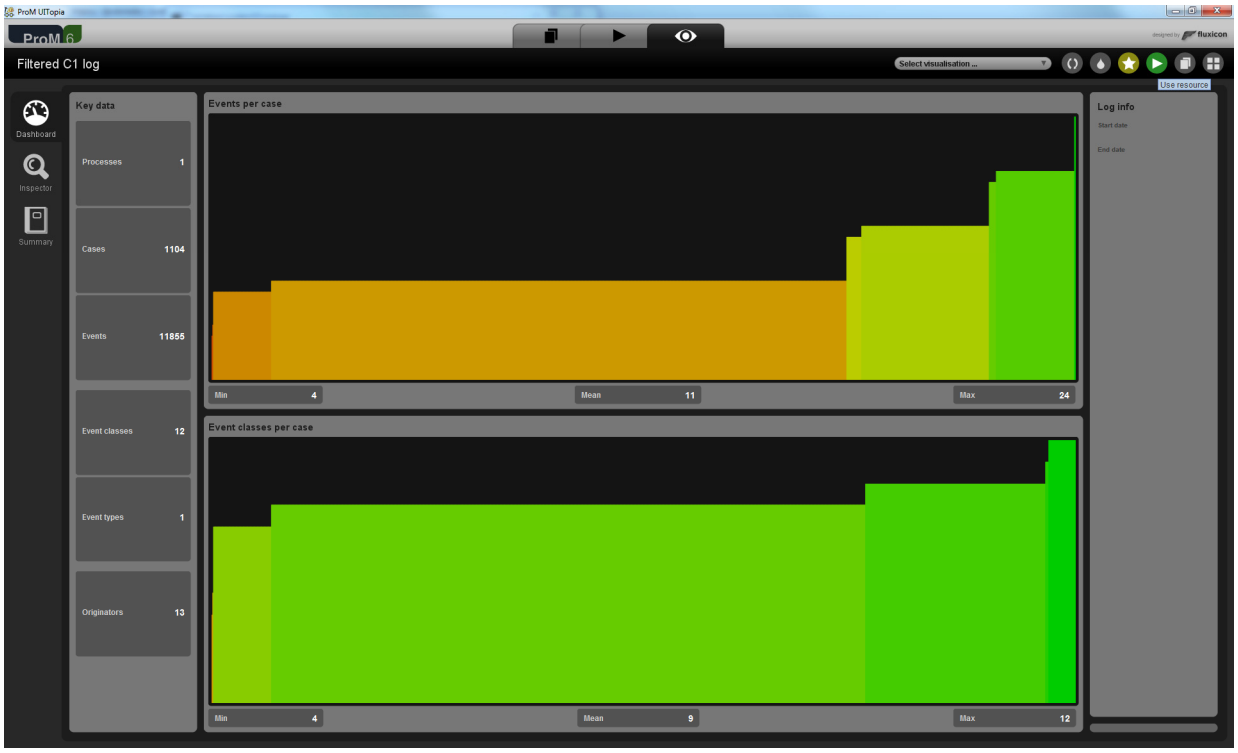

Timestamp attribute selection
Choose which data type will be accounted as "timestamp"
time:timestamp
OK
Cancel

Strictly reliable towards move on model
Would you only consider performance between two synchronous moves?
Yes, I'd like to have strictly reliable results
No, move on models are assumed to be firing transitions as soon as they are enabled



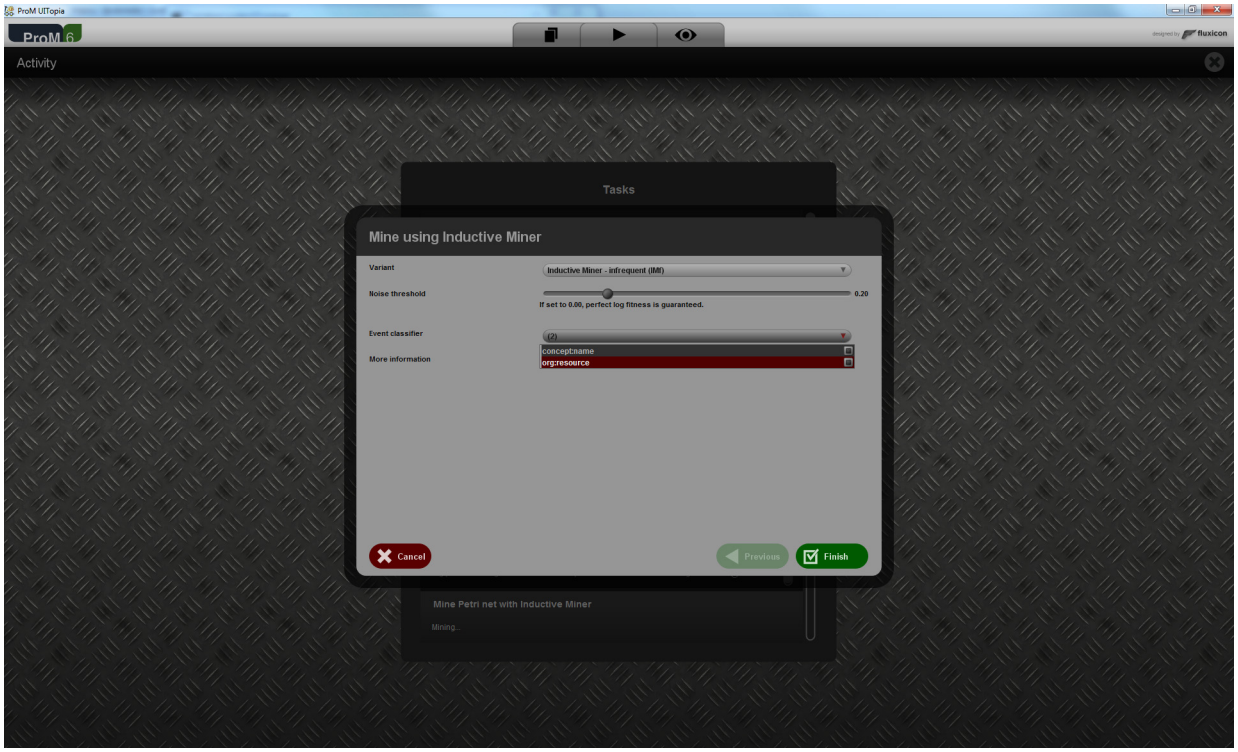
This shows that the classifier and the time:timestamp attributes contained in the log were used.

Level C1

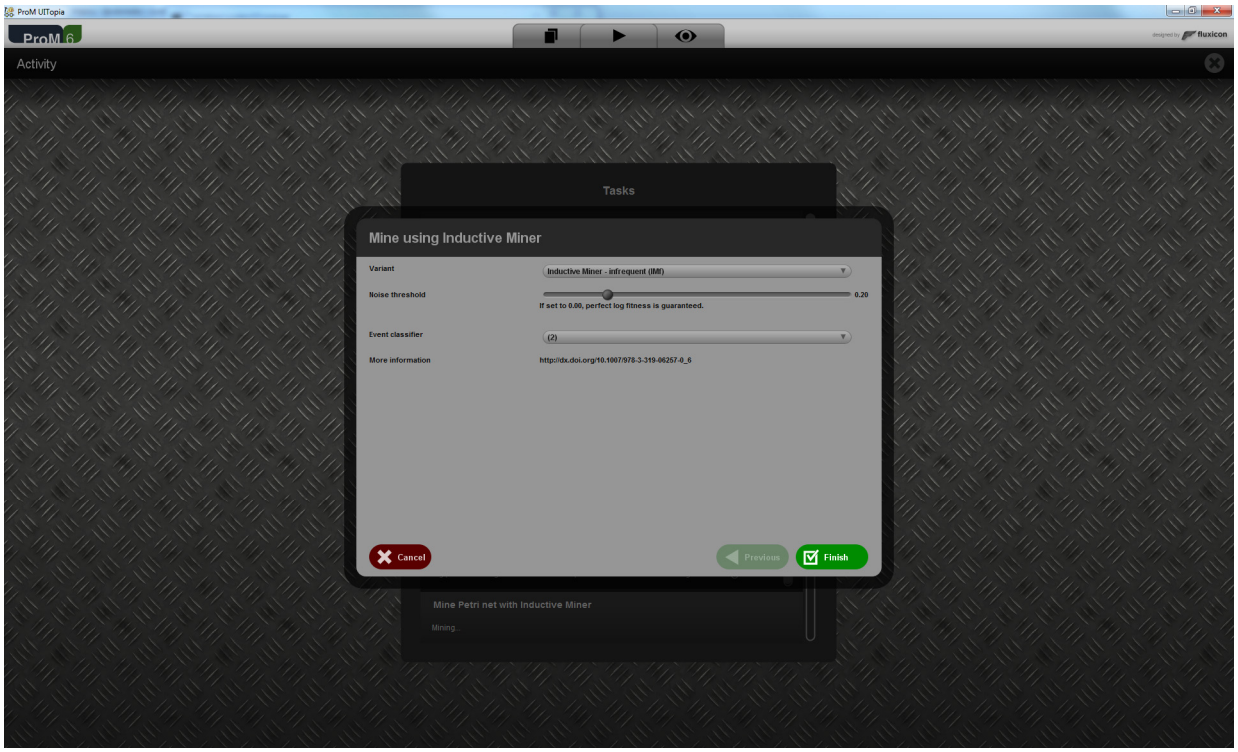

ProM UITopia
ProM 6
Filtered C1 log
Select visualisation ...
Use resource
Dashboard
Inspector
Summary
Key data
Processes 1
Cases 1104
Events 11855
Event classes 12
Event types 1
Originators 13
Events per case
Min 4
Mean 11
Max 24
Event classes per case
Min 4
Mean 9
Max 12
Log info
Start date
End date

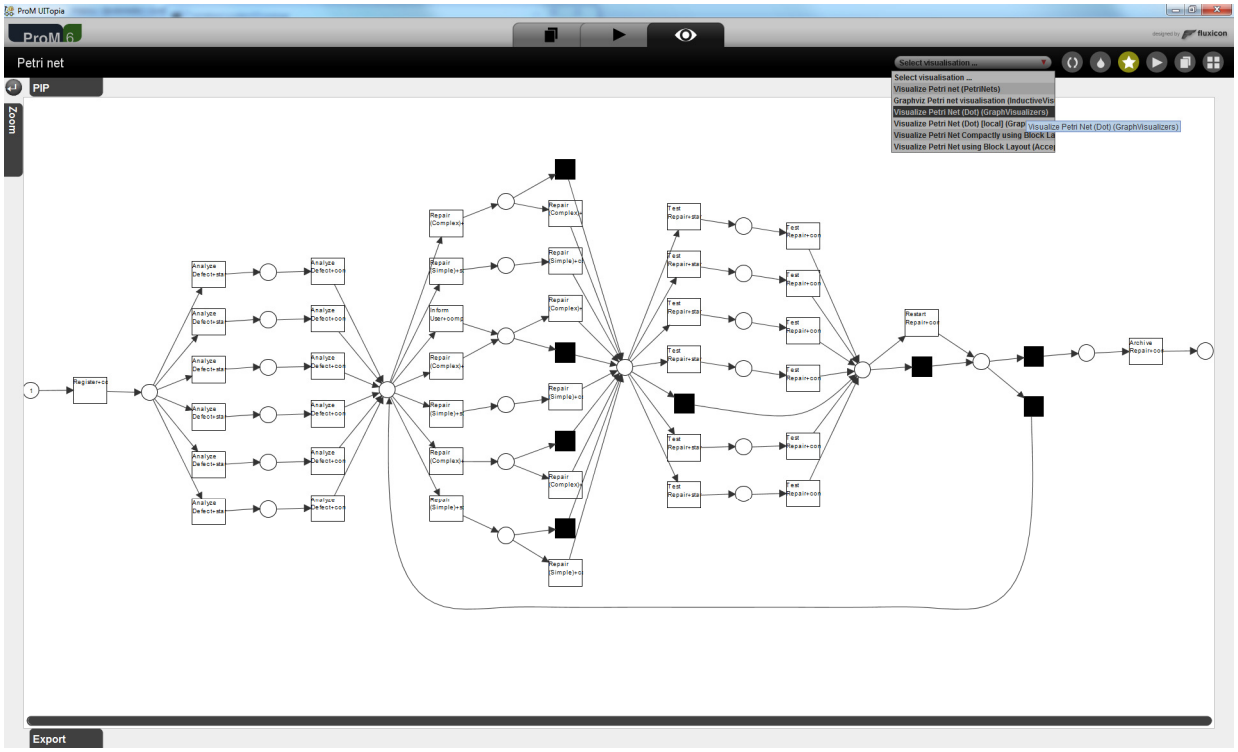
IMPORT

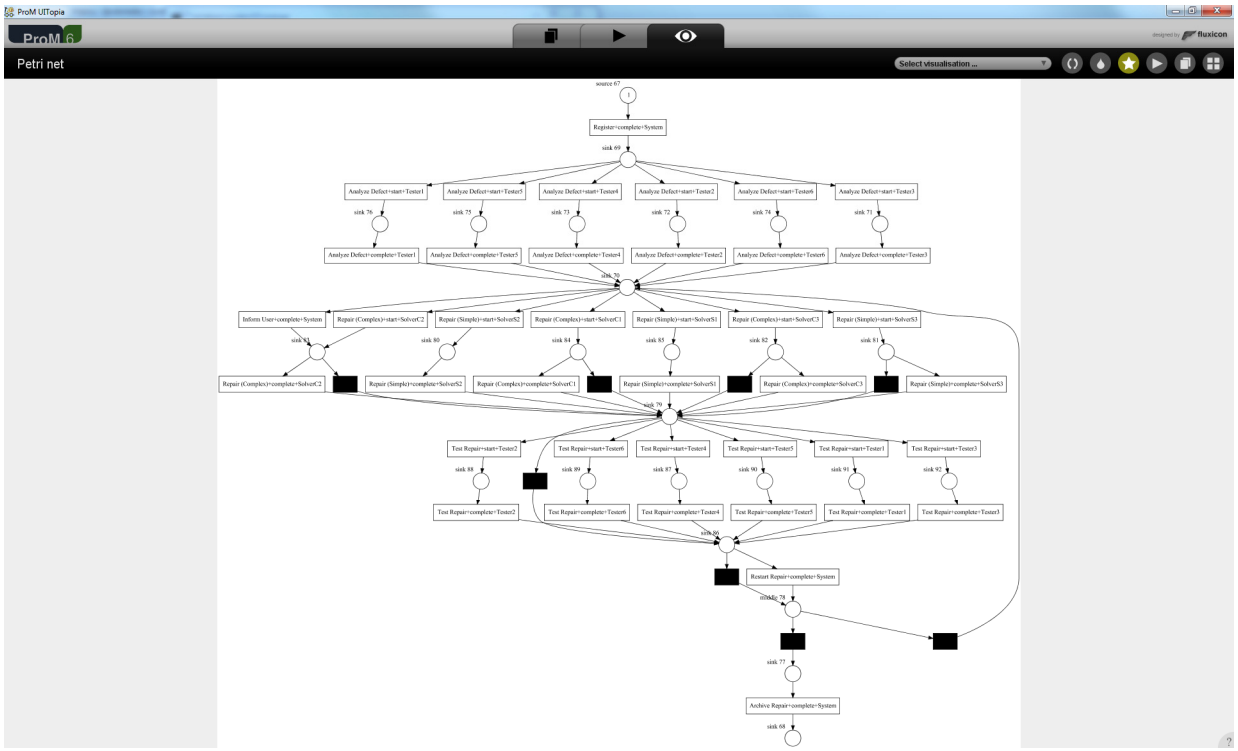
ProM UITopia
ProM 6
fluxicon
Actions
Activity...
Input
Filtered C1 log
XLog
Actions
induc
Mine Petri net with Inductive Miner
S.J.J. Leemans (s.j.j.leemans@tue.nl)
Mine process tree with Inductive Miner
S.J.J. Leemans (s.leemans@qut.edu.au)
Mine stochastic Petri net from log
A. Solti (andreas.rogge-solti@wu.ac.at)
Mine with Inductive visual Miner
S.J.J. Leemans (s.leemans@qut.edu.au)
Visualise deviations on process tree
S.J.J. Leemans (s.leemans@qut.edu.au)
Reset
Start
Start selected action
Output
Petri net
Petri net
initial marking
Marking
final marking
Marking
Plugin action info
Mine Petri net with Inductive Miner
Author: S.J.J. Leemans
Categories: Analytics


ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Mine using Inductive Miner
Variant
Inductive Miner - infrequent (IMI)
Noise threshold
0.20
If set to 0.00, perfect log fitness is guaranteed.
Event classifier
(2)
concept:name
org:resource
More information
Cancel
Previous
Finish
Mine Petri net with Inductive Miner
Mining...

IMPORT

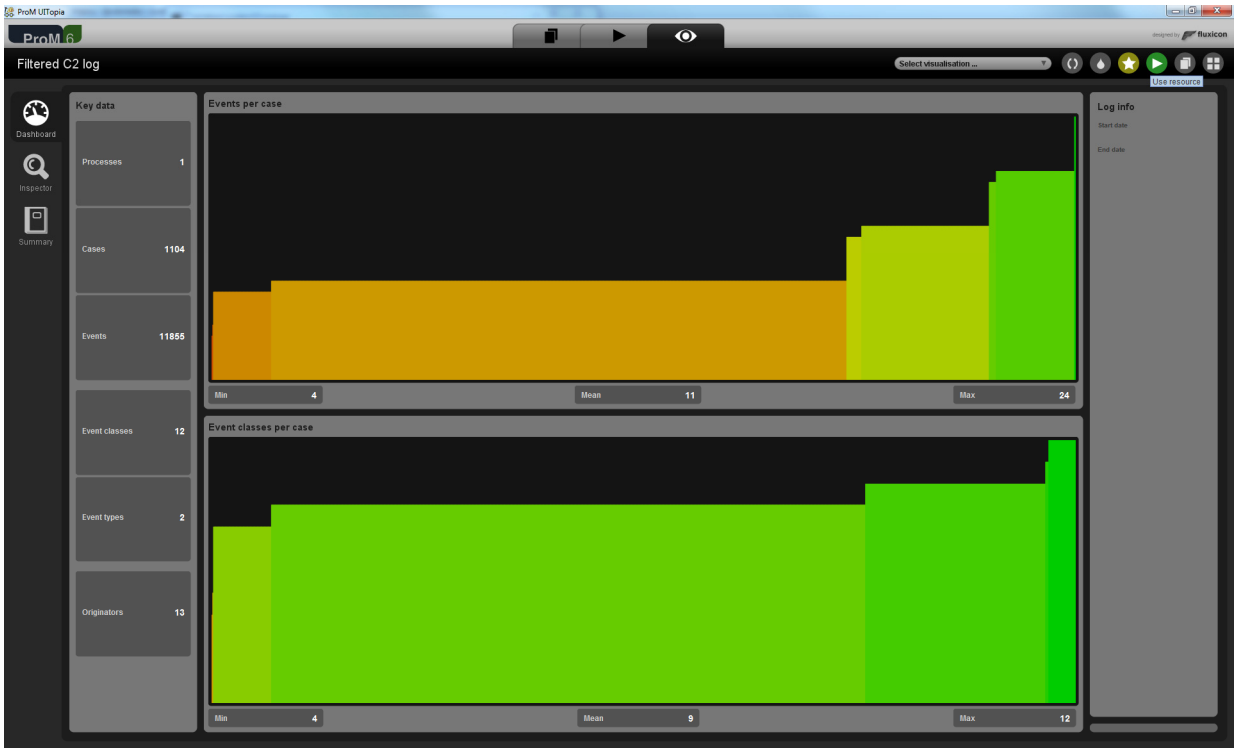

ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Mine using Inductive Miner
Variant
Inductive Miner - infrequent (IMI)
Noise threshold
0.20
If set to 0.00, perfect log fitness is guaranteed.
Event classifier
(2)
More information
http://dx.doi.org/10.1007/978-3-319-06257-0_6
Cancel
Previous
Finish
Mine Petri net with Inductive Miner
Mining...


ProM UITopia
ProM 6
fluxicon
Petri net
Select visualisation ...
Visualize Petri net (PetriNets)
Visualize Petri net (Dot) (GraphVisualizers)
Visualize Petri Net (Dot) [local] (GraphVisualizers)
Visualize Petri Net Compactly using Block La
Visualize Petri Net using Block Layout (Acce
PIP
Zoom
Export



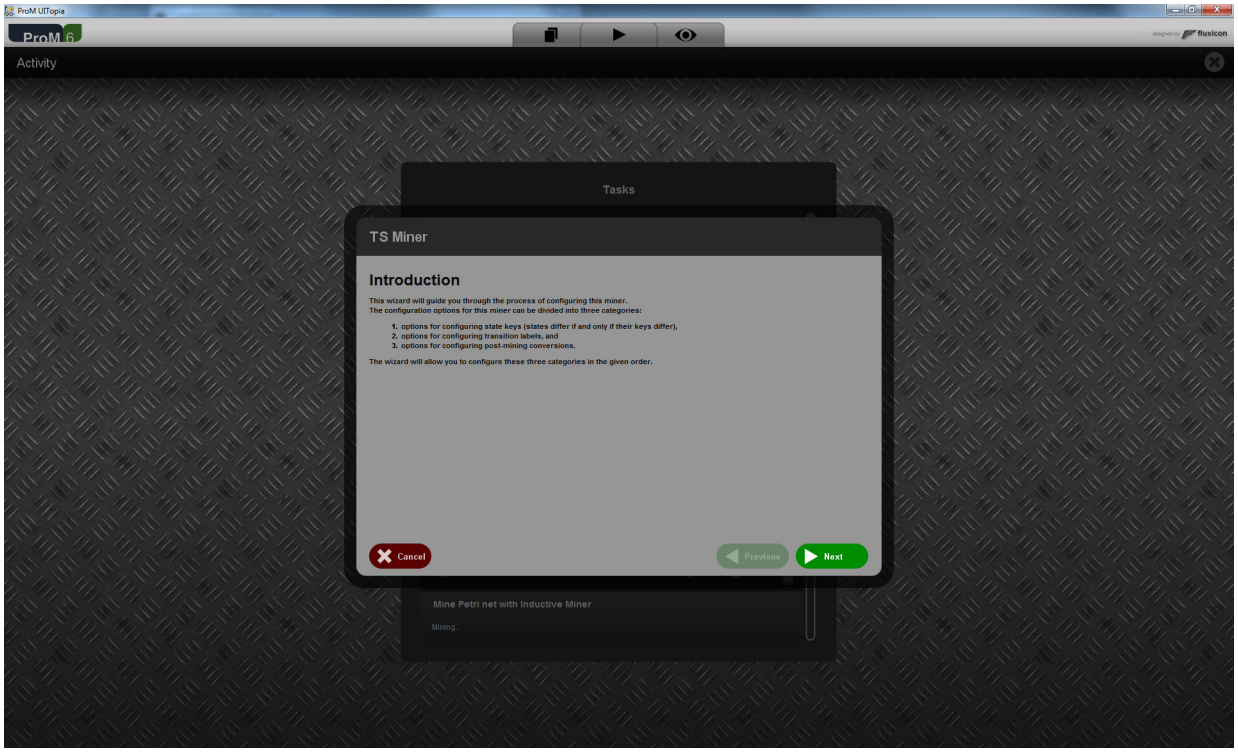
This shows that the concept:name and org:resource attributes contained in the log were used.

Level C2

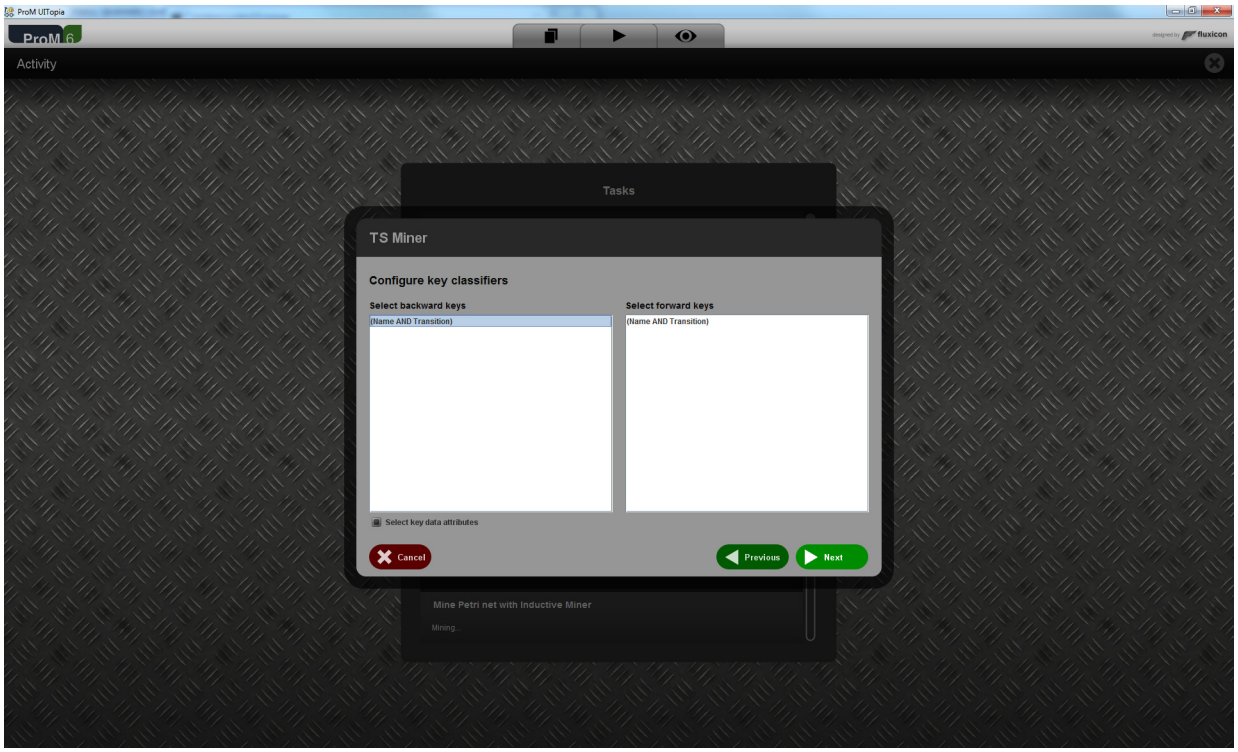

ProM UITopia
ProM 6
Filtered C2 log
Select visualisation ...
Use resource
Dashboard
Inspector
Summary
Key data
Processes 1
Cases 1104
Events 11855
Event classes 12
Event types 2
Originators 13
Events per case
Min 4
Mean 11
Max 24
Event classes per case
Min 4
Mean 9
Max 12
Log info
Start date
End date

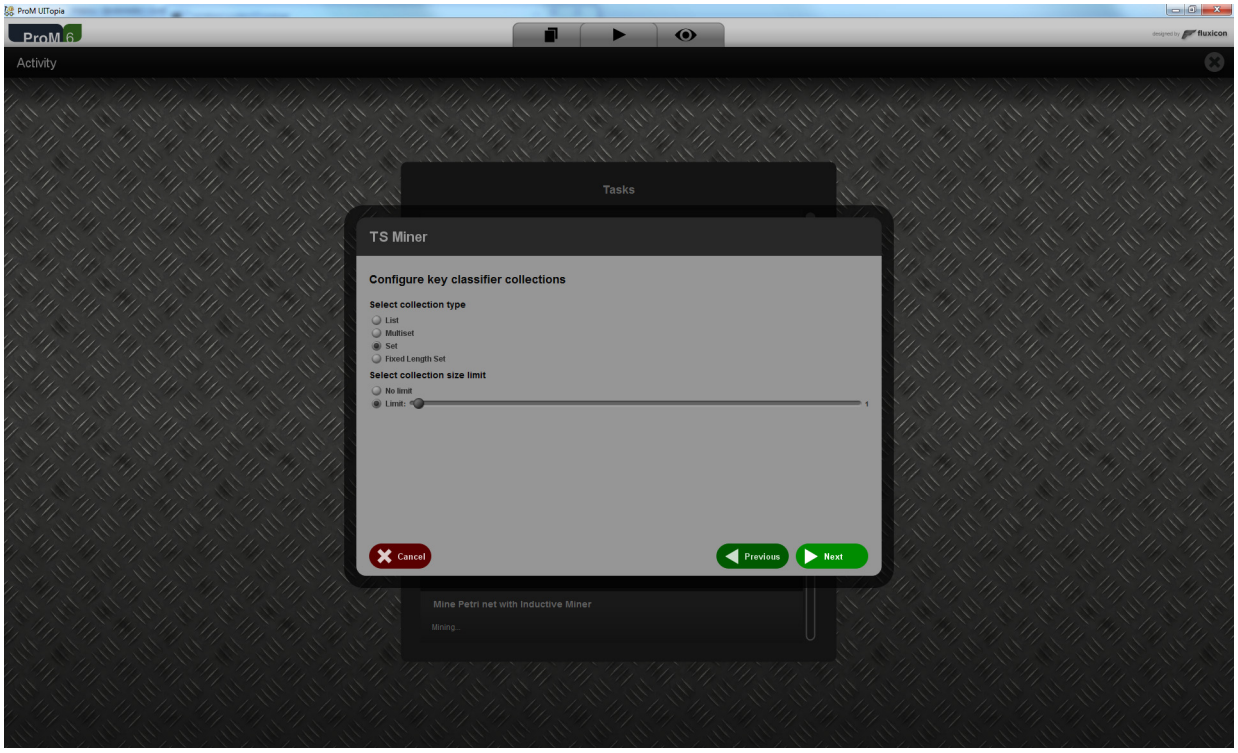
IMPORT

ProM UITopia
ProM 6
Actions
Input
Filtered C2 log
XLog
Actions
Align Log to Model
Build Numbered DAFA based on XLog (Numbered Transitions)
Merge subsequent events (AAABB -> AB)
Mine Transition System
Partial Advanced Replayer
Repair Model
Repair Model (find subprocesses)
Repair Model (find subprocesses)
Show PomPom View
Transform 'value' attributes based on event class (in place)
Unify Events in Log
Reset
Start
Start selected action
Output
Mined Transition System
Weights
Start states
Accept states
Plugin action info
Mine Transition System
Package: TransitionSystems
Author: H.M.W. Verbeek
Categories: Discovery

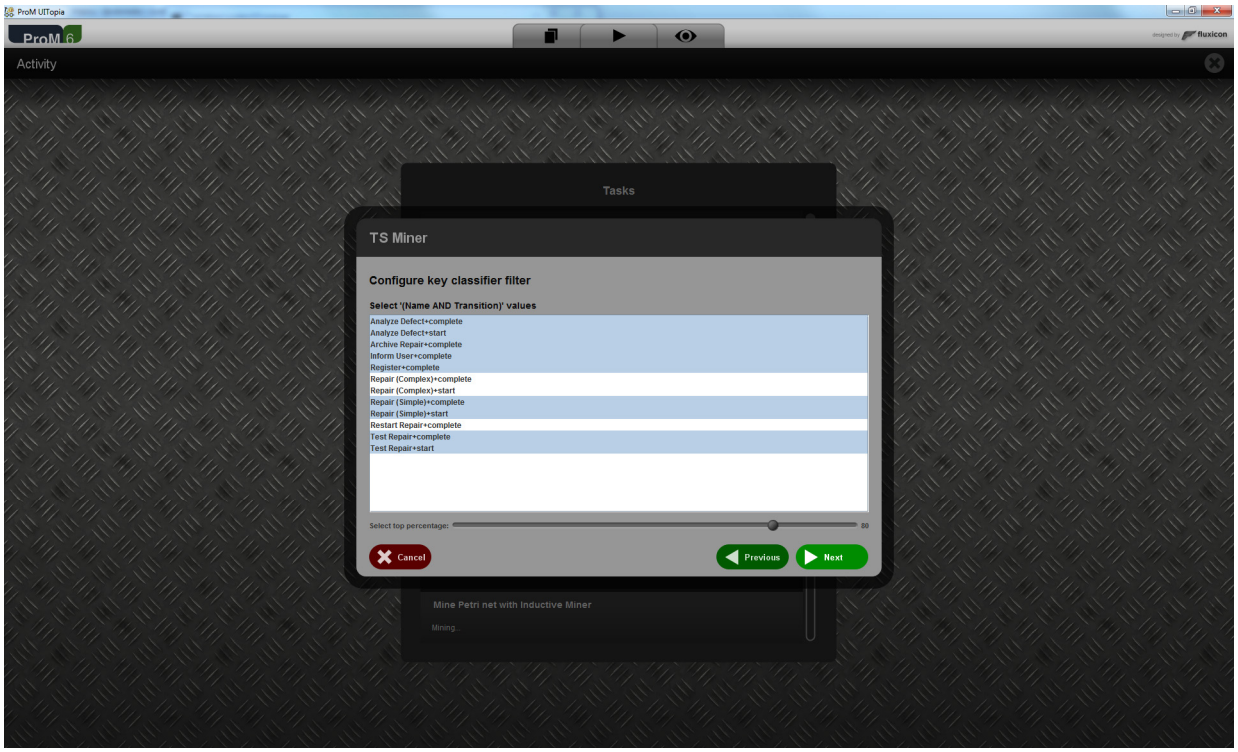

ProM UITopia
ProM 6
Activity
Tasks
TS Miner
Introduction
This wizard will guide you through the process of configuring this miner.
The configuration options for this miner can be divided into three categories:
1. options for configuring state keys (states differ if and only if their keys differ),
2. options for configuring transition labels, and
3. options for configuring post-mining conversions.
The wizard will allow you to configure these three categories in the given order.
Cancel
Previous
Next
Mine Petri net with Inductive Miner
Mining...

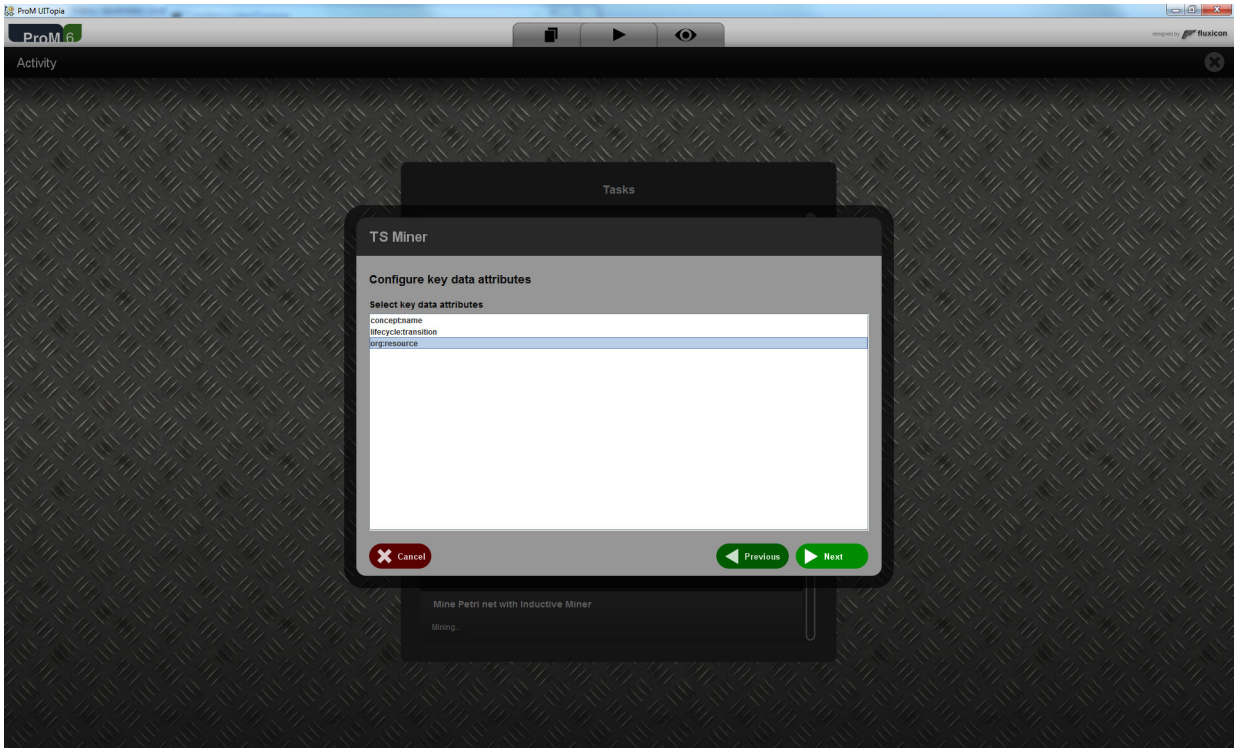
IMPORT


ProM UITopia
ProM 6
fluxicon
Activity
Tasks
TS Miner
Configure key classifiers
Select backward keys
(Name AND Transition)
Select forward keys
(Name AND Transition)
Select key data attributes
Cancel
Previous
Next
Mine Petri net with Inductive Miner
Mining...

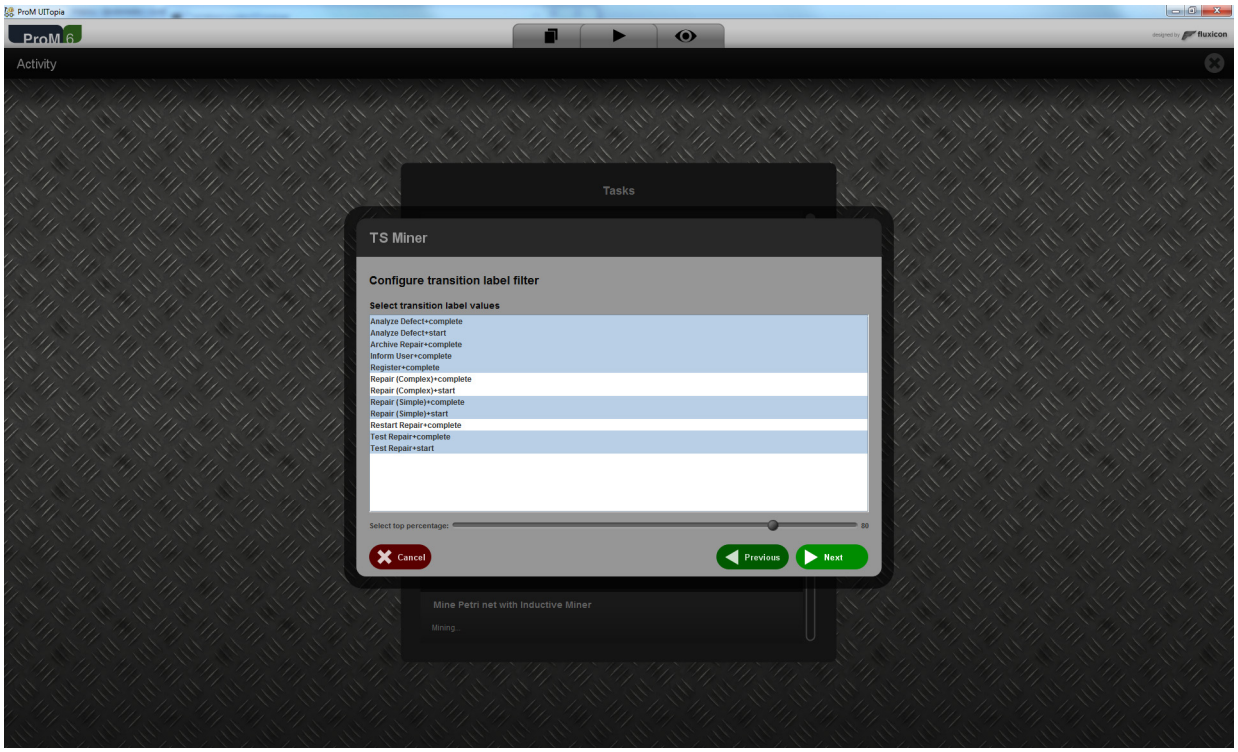

ProM UITopia
ProM 6
fluxicon
Activity
Tasks
TS Miner
Configure key classifier collections
Select collection type
List
Multiset
Set
Fixed Length Set
Select collection size limit
No limit
Limit:
1
Cancel
Previous
Next
Mine Petri net with Inductive Miner
Mining...

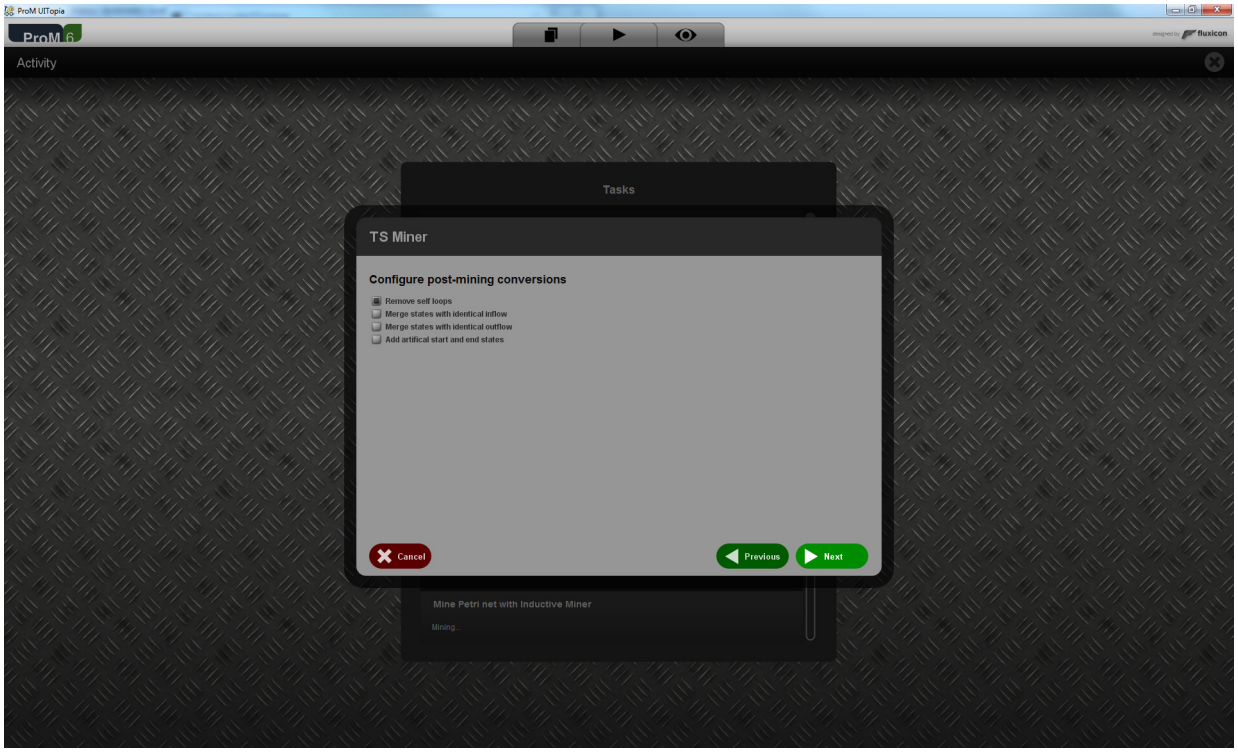
IMPORT


ProM UITopia
ProM 6
fluxicon
Activity
Tasks
TS Miner
Configure key classifier filter
Select '(Name AND Transition)' values
Analyze Defect+complete
Analyze Defect+start
Archive Repair+complete
Inform User+complete
Register+complete
Repair (Complex)+complete
Repair (Complex)+start
Repair (Simple)+complete
Repair (Simple)+start
Restart Repair+complete
Test Repair+complete
Test Repair+start
Select top percentage:
80
Cancel
Previous
Next
Mine Petri net with Inductive Miner
Mining...

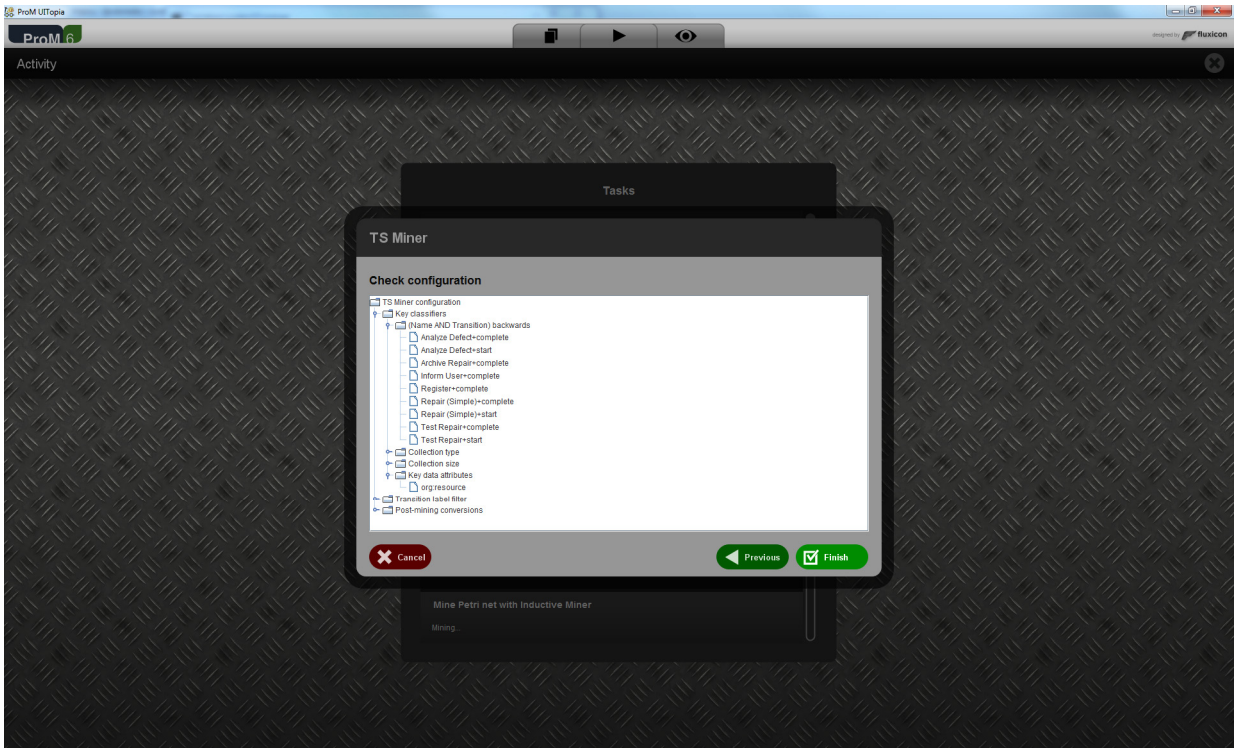

ProM UITopia
ProM 6
fluxicon
Activity
Tasks
TS Miner
Configure key data attributes
Select key data attributes
concept:name
lifecycle:transition
org:resource
Cancel
Previous
Next
Mine Petri net with Inductive Miner
Mining...

IMPORT


ProM UITopia
ProM 6
fluxicon
Activity
Tasks
TS Miner
Configure transition label filter
Select transition label values
Analyze Defect+complete
Analyze Defect+start
Archive Repair+complete
Inform User+complete
Register+complete
Repair (Complex)+complete
Repair (Complex)+start
Repair (Simple)+complete
Repair (Simple)+start
Restart Repair+complete
Test Repair+complete
Test Repair+start
Select top percentage:
20
Cancel
Previous
Next
Mine Petri net with Inductive Miner
Mining...


ProM UITopia
ProM 6
fluxicon
Activity
Tasks
TS Miner
Configure post-mining conversions
Remove self loops
Merge states with identical inflow
Merge states with identical outflow
Add artifical start and end states
Cancel
Previous
Next
Mine Petri net with Inductive Miner
Mining...

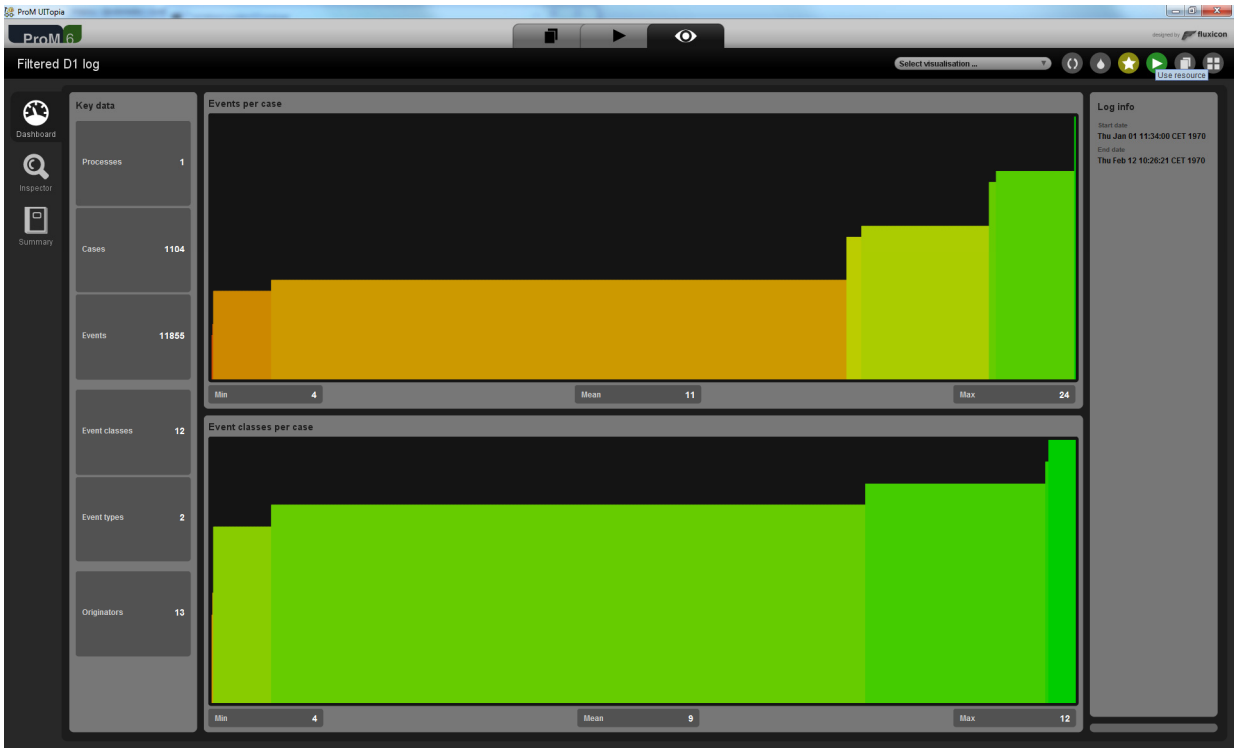
IMPORT


ProM UITopia
ProM 6
fluxicon
Activity
Tasks
TS Miner
Check configuration
TS Miner configuration
Key classifiers
(Name AND Transition) backwards
Analyze Defect+complete
Analyze Defect+start
Archive Repair+complete
Inform User+complete
Register+complete
Repair (Simple)+complete
Repair (Simple)+start
Test Repair+complete
Test Repair+start
Collection type
Collection size
Key data attributes
org:resource
Transition label filter
Post-mining conversions
Cancel
Previous
Finish
Mine Petri net with Inductive Miner
Mining...

ProM UITopia
ProM 6
fluxicon
PTS (mined from Filtered C2 log)
Select visualisation ...
PIP
Zoom
[Analyze Defect+start,(org:resource=Tester)]
Export
Filter log

This shows that the classifier and the org:resource attributes contained in the log were used.

Level D1



This plug-in shows all possible values found in the log for an attribute key, and allows the user to filter the log on these values. In this report, we will use this plug-in to show that the proper values have been read by filtering in only a single event from the trace with name 1.

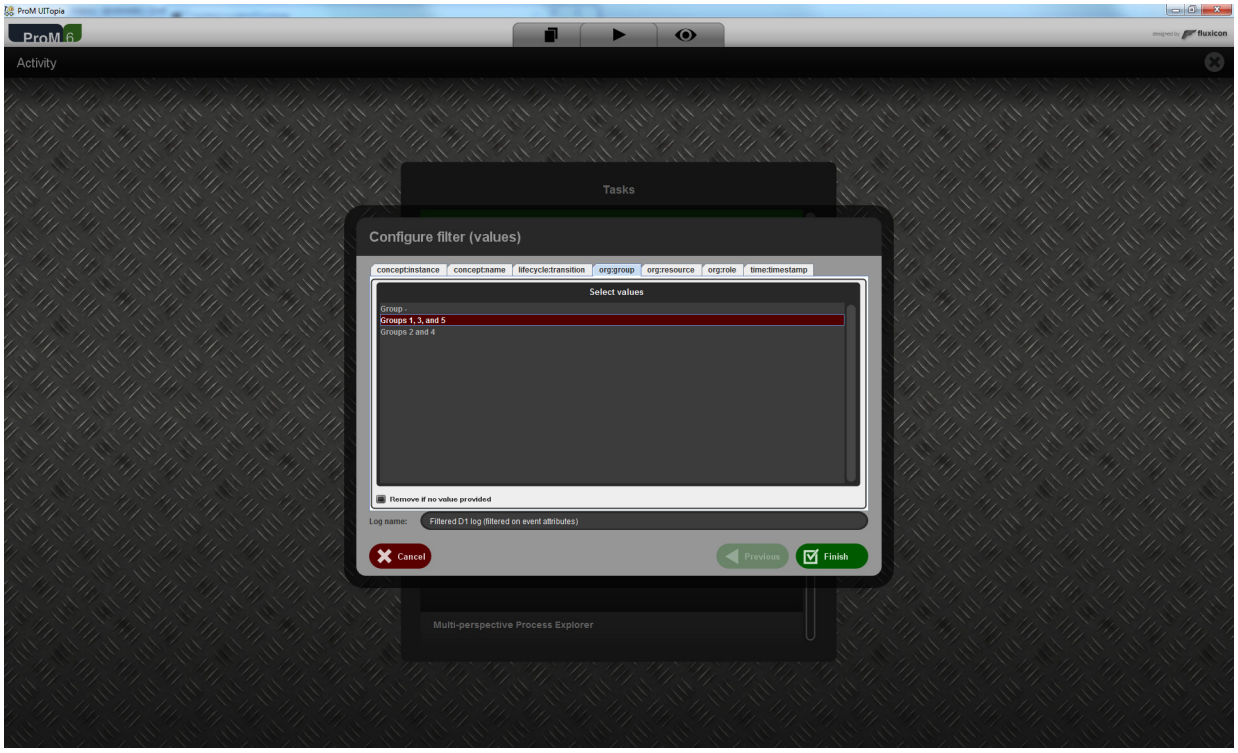
IMPORT

ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
concept:instance
concept:name
lifecycle:transition
org:group
org:resource
org:role
time:timestamp
Select values
instance 1
instance 2
instance 3
instance 4
Remove if no value provided
Log name:
Filtered D1 log (filtered on event attributes)
Cancel
Previous
Finish
Multi-perspective Process Explorer

ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
concept:instance
concept:name
lifecycle:transition
org:group
org:resource
org:role
time:timestamp
Select values
Analyze Defect
Archive Repair
Inform User
Register
Repair (Complex)
Repair (Simple)
Restart Repair
Test Repair
Remove if no value provided
Log name:
Filtered D1 log (filtered on event attributes)
Cancel
Previous
Finish
Multi-perspective Process Explorer

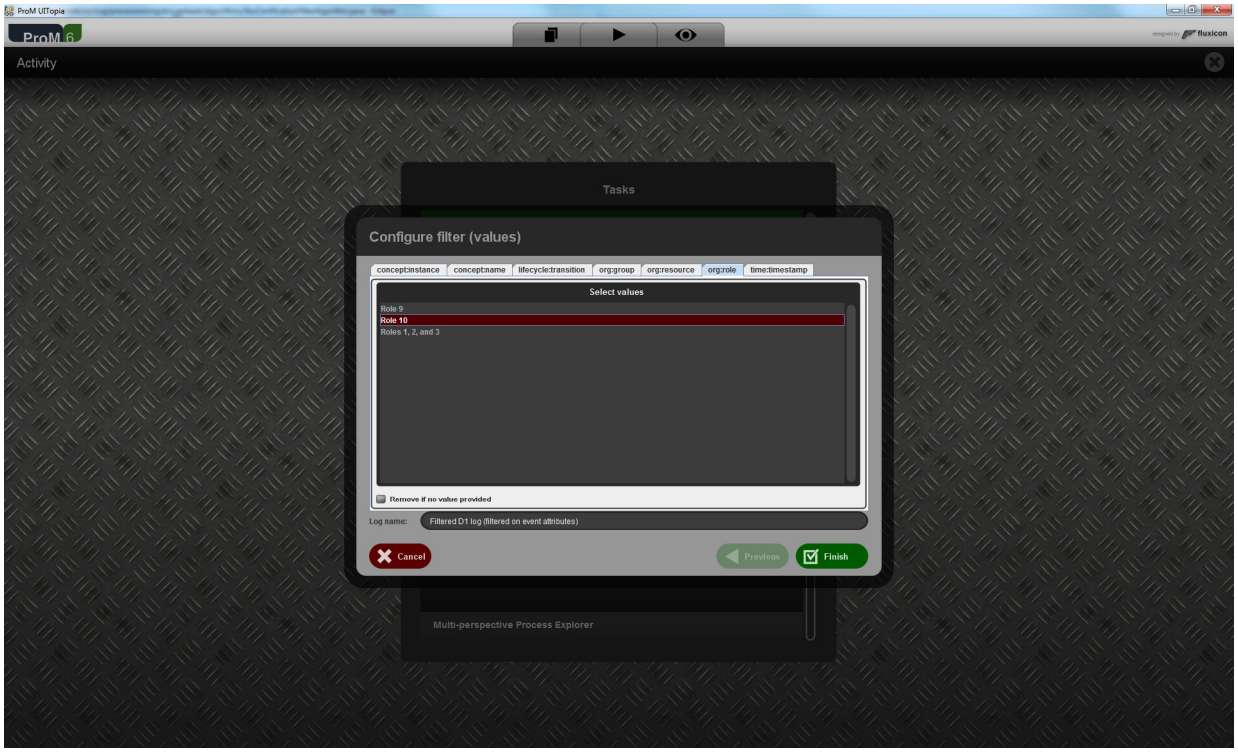
IMPORT

ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
concept:instance
concept:name
lifecycle:transition
org:group
org:resource
org:role
time:timestamp
Select values
complete
start
Remove if no value provided
Log name:
Filtered D1 log (filtered on event attributes)
Cancel
Previous
Finish
Multi-perspective Process Explorer


ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
concept:instance
concept:name
lifecycle:transition
org:group
org:resource
org:role
time:timestamp
Select values
Group .
Groups 1, 3, and 5
Groups 2 and 4
Remove if no value provided
Log name:
Filtered D1 log (filtered on event attributes)
Cancel
Previous
Finish
Multi-perspective Process Explorer

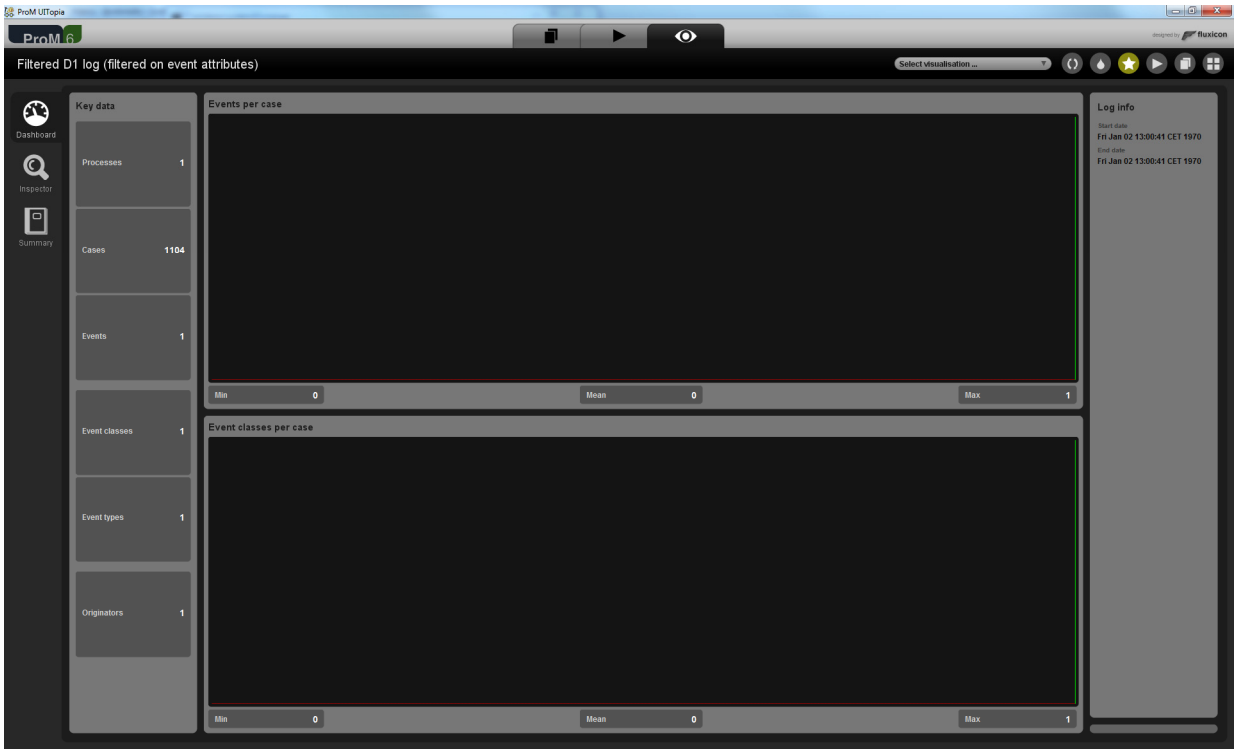
IMPORT

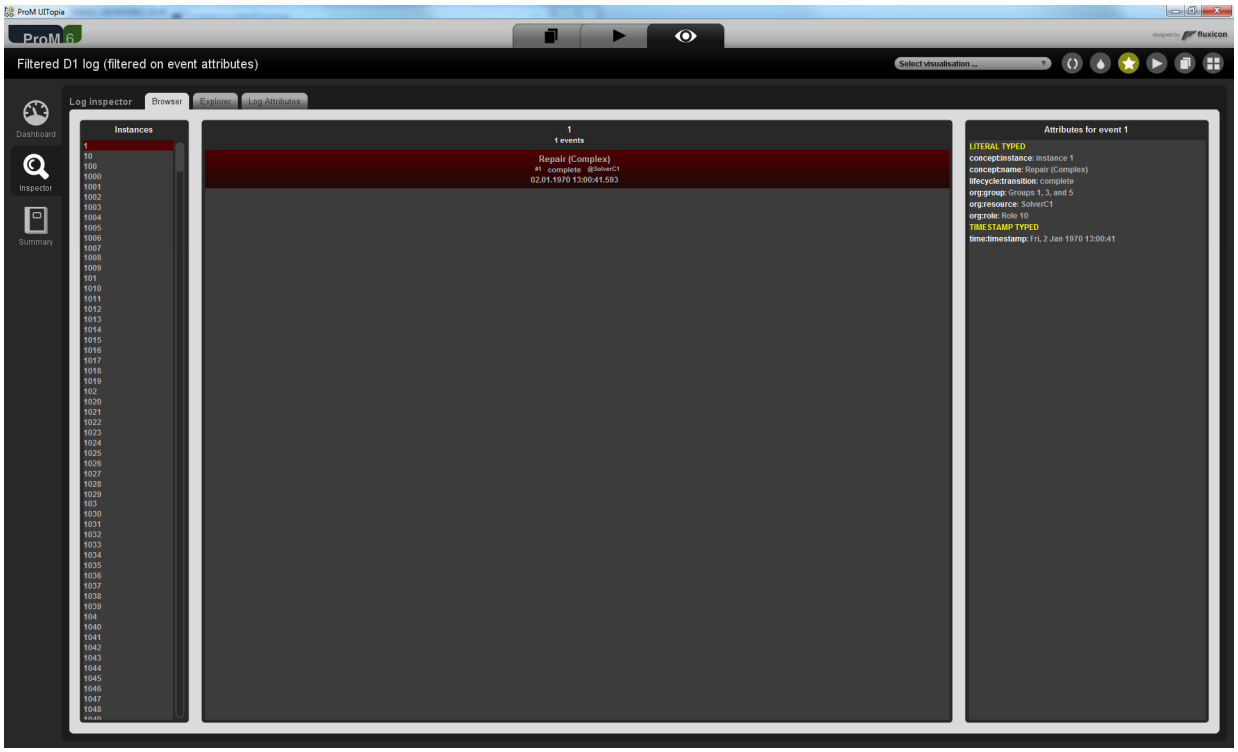
ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
concept:instance
concept:name
lifecycle:transition
org:group
org:resource
org:role
time:timestamp
Select values
SolverC1
SolverC2
SolverC3
SolverS1
SolverS2
SolverS3
System
Tester1
Tester2
Tester3
Tester4
Tester5
Tester6
Remove if no value provided
Log name:
Filtered D1 log (filtered on event attributes)
Cancel
Previous
Finish
Multi-perspective Process Explorer


ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
concept:instance
concept:name
lifecycle:transition
org:group
org:resource
org:role
time:timestamp
Select values
Role 9
Role 10
Roles 1, 2, and 3
Remove if no value provided
Log name:
Filtered D1 log (filtered on event attributes)
Cancel
Previous
Finish
Multi-perspective Process Explorer

IMPORT

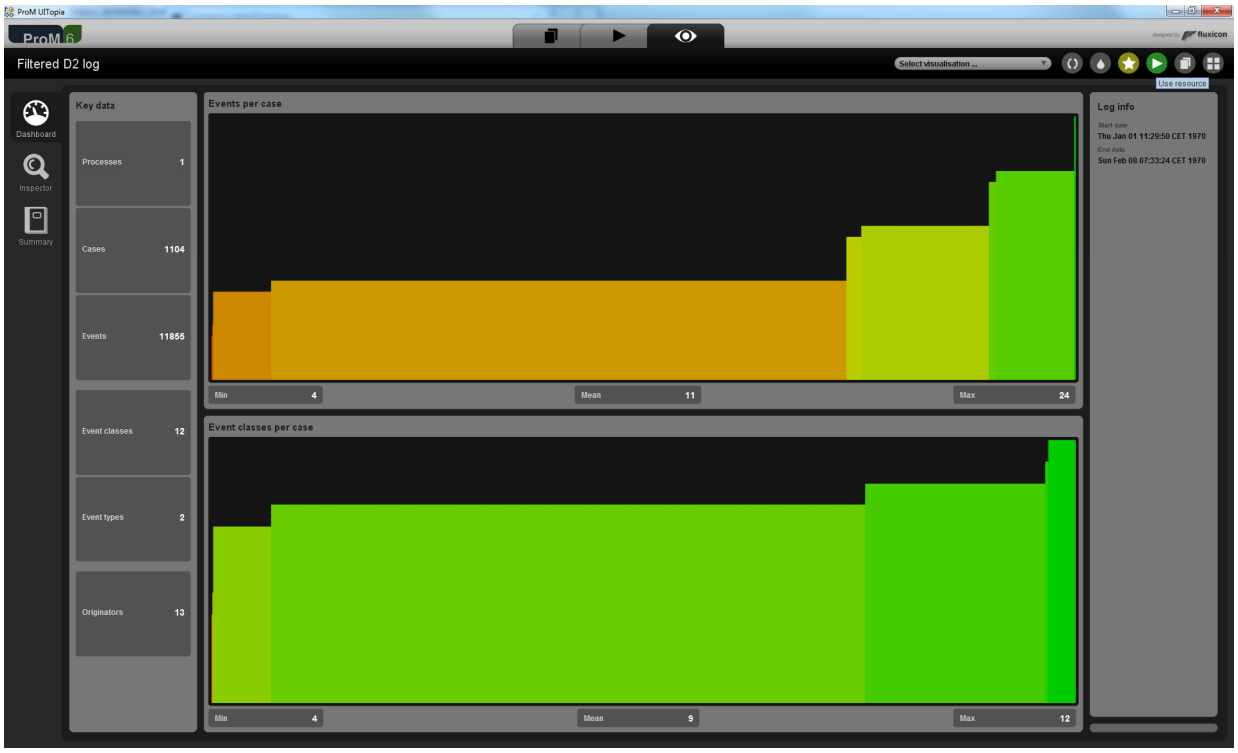
ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
concept:instance
concept:name
lifecycle:transition
org:group
org:resource
org:role
time:timestamp
Select values
1970-01-01T12:19:52.325+01:00
1970-01-01T12:28:31.767+01:00
1970-01-01T12:37:47.483+01:00
1970-01-01T12:40:03.605+01:00
1970-01-01T12:43:26.085+01:00
1970-01-01T12:53:07.191+01:00
1970-01-01T12:54:48.913+01:00
1970-01-01T13:03:05.999+01:00
1970-01-01T13:09:56.525+01:00
1970-01-02T12:24:45.453+01:00
1970-01-02T12:28:03.263+01:00
1970-01-02T12:37:53.294+01:00
1970-01-02T12:40:50.606+01:00
1970-01-02T13:00:41.593+01:00
1970-01-02T13:03:15.476+01:00
Remove if no value provided
Log name:
Filtered D1 log (filtered on event attributes)
Cancel
Previous
Finish
Multi-perspective Process Explorer


ProM UITopia
ProM 6
fluxicon
Filtered D1 log (filtered on event attributes)
Select visualisation ...
Dashboard
Inspector
Summary
Key data
Processes 1
Cases 1104
Events 1
Event classes 1
Event types 1
Originators 1
Events per case
Min 0
Mean 0
Max 1
Event classes per case
Min 0
Mean 0
Max 1
Log info
Start date
Fri Jan 02 13:00:41 CET 1970
End date
Fri Jan 02 13:00:41 CET 1970



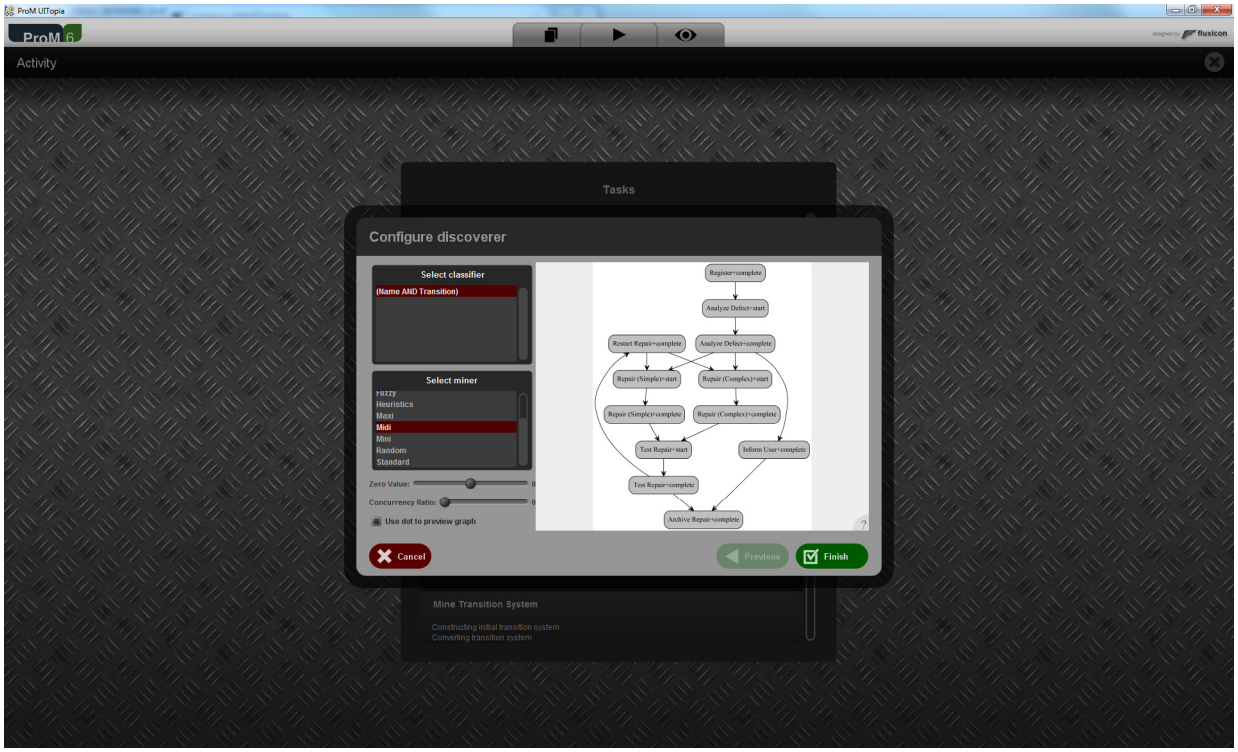
This shows that all (standard) attributes contained in the log were used.

Level D2

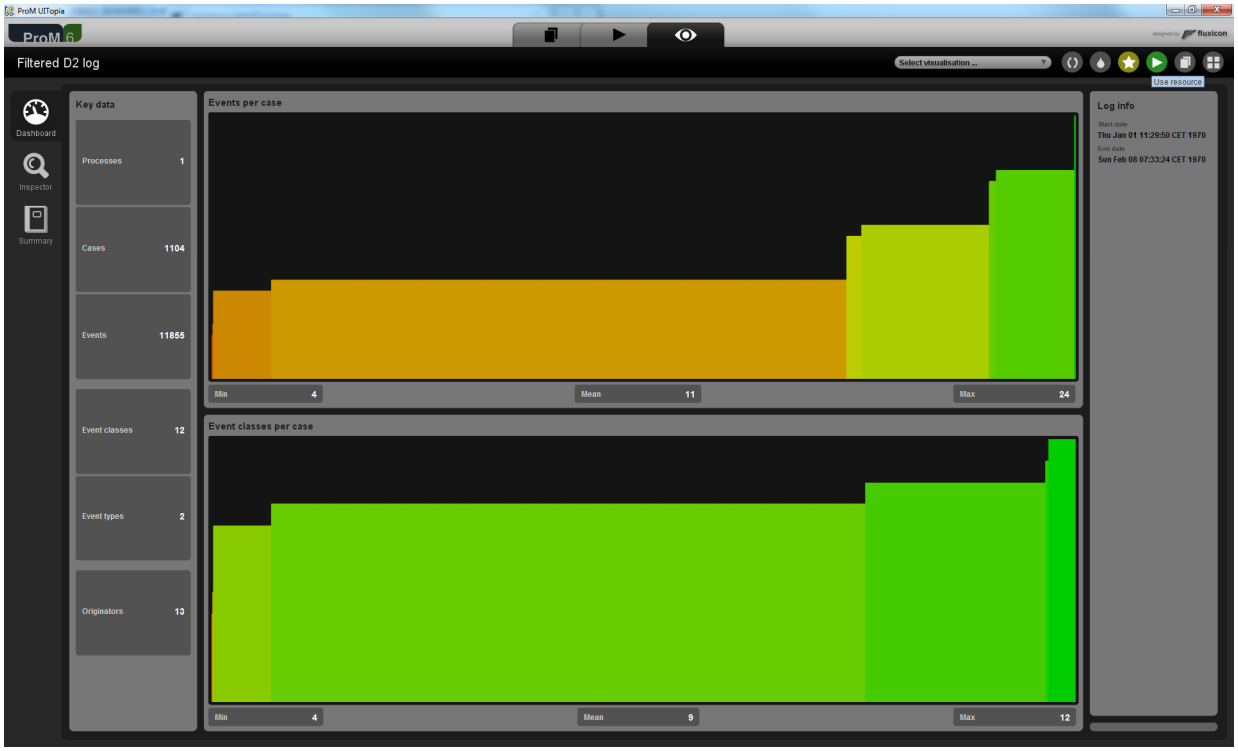

ProM UITopia
ProM 6
Filtered D2 log
Select visualisation ...
Use resource
Dashboard
Inspector
Summary
Key data
Processes 1
Cases 1104
Events 11855
Event classes 12
Event types 2
Originators 13
Events per case
Min 4
Mean 11
Max 24
Event classes per case
Min 4
Mean 9
Max 12
Log info
Start date
Thu Jan 01 11:29:50 CET 1970
End date
Sun Feb 08 07:33:24 CET 1970

IMPORT

ProM UITopia
ProM 6
fluxicon
Actions
Activity...
Input
Filtered D2 log
XLog
Actions
classi
Add Classifier based on Mapping of Activity Names
Eduardo Gonzalez Lopez de Murillas (e.gonzalez@tue.nl)
Add Classifier based on Mapping of Activity Names (in place)
Eduardo Gonzalez Lopez de Murillas (e.gonzalez@tue.nl)
Add/Change concept:name of event from classifier
Eduardo Gonzalez Lopez de Murillas (e.gonzalez@tue.nl)
Alpha Miner
S.J. van Zelst, B.F. van Dongen, L.M.A. Tonnaer (s.j.v.zelst@tue.nl)
Classify with DrFurby Classifier
H.M.W. Verbeek (h.m.w.verbeek@tue.nl)
Convert to Data Anotated Log
Kai Lu (k.lu@tue.nl)
PartialOrderReplayer
Create new events based on timestamp attributes
F. Mannhardt (f.mannhardt@tue.nl)
Discover Graph
H.M.W. Verbeek (h.m.w.verbeek@tue.nl)
Mine Causal Graph (Heuristic Miner, Event Classifier Aware)
F. Mannhardt, S.J. van Zelst (s.j.v.zelst@tue.nl)
Repair Log: Globals, Classifiers, Extensions
F. Mannhardt (f.mannhardt@tue.nl)
Repair Log: Globals, Classifiers, Extensions (In Place)
F. Mannhardt (f.mannhardt@tue.nl)
Reset
Start
Start selected action
Output
Causal Activity Graph
Causal activity graph
Plugin action info
Discover Graph
Author: H.M.W. Verbeek
Categories: Analytics
Discovers a casual activity graph from a log, provided a classifier, a miner, a zero value, a concurrency ratio, and an include threshold. First, a matrix is decovered from the log using the parameters. Second, a casual activity graph is created by from that matrix using the parameters.


ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure discoverer
Select classifier
(Name AND Transition)
Select miner
Fuzzy
Heuristics
Maxi
Midi
Mini
Random
Standard
Zero Value:
Concurrency Ratio:
Use dot to preview graph
Register+complete
Analyze Defect+start
Restart Repair+complete
Analyze Defect+complete
Repair (Simple)+start
Repair (Complex)+start
Repair (Simple)+complete
Repair (Complex)+complete
Test Repair+start
Inform User+complete
Test Repair+complete
Archive Repair+complete
Cancel
Previous
Finish
Mine Transition System
Constructing initial transition system
Converting transition system

This shows that the classifier and the classified attributes contained in the log were used. To show that all standard attributes were used, we use the same filter as before.

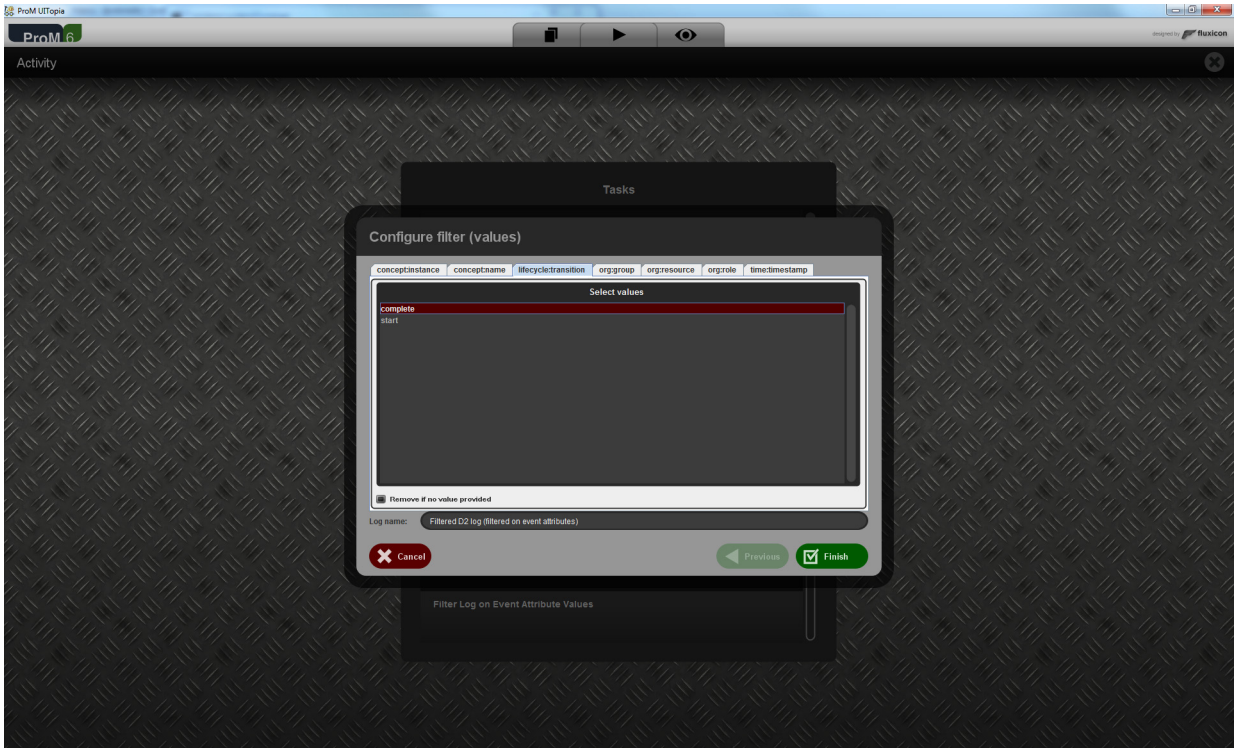


IMPORT

ProM UITopia
ProM 6
Actions
Input
Filtered D2 log
XLog
Actions
Filter Log by Attributes
Filter Log on Event Attribute Values
Filter Log on Trace Attribute Values
Filter Log using Prefix-Closed Language (PCL)
Filter Log using Simple Heuristics
Filter Log: Retain Trace with Higher Fitness
Filter Log: Retain Trace with Lower Fitness
Filter log on first six months per trace
Reset
Start
Start selected action
Output
Log
XLog
Plugin action info
Filter Log on Event Attribute Values
Author: H.M.W. Verbeek
Categories: Filtering

ProM UITopia
ProM 6
Activity
Tasks
Configure filter (values)
concept:instance
concept:name
lifecycle:transition
org:group
org:resource
org:role
time:timestamp
Select values
instance 1
instance 2
instance 3
instance 4
Remove if no value provided
Log name:
Filtered D2 log (filtered on event attributes)
Cancel
Previous
Finish
Filter Log on Event Attribute Values

ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
concept:instance
concept:name
lifecycle:transition
org:group
org:resource
org:role
time:timestamp
Select values
Analyze Defect
Archive Repair
Inform User
Register
Repair (Complex)
Repair (Simple)
Restart Repair
Test Repair
Remove if no value provided
Log name:
Filtered D2 log (filtered on event attributes)
Cancel
Previous
Finish
Filter Log on Event Attribute Values


ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
concept:instance
concept:name
lifecycle:transition
org:group
org:resource
org:role
time:timestamp
Select values
complete
start
Remove if no value provided
Log name:
Filtered D2 log (filtered on event attributes)
Cancel
Previous
Finish
Filter Log on Event Attribute Values

IMPORT

ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
concept:instance
concept:name
lifecycle:transition
org:group
org:resource
org:role
time:timestamp
Select values
Group -
Groups 1, 3, and 5
Groups 2 and 4
Remove if no value provided
Log name:
Filtered D2 log (filtered on event attributes)
Cancel
Previous
Finish
Filter Log on Event Attribute Values

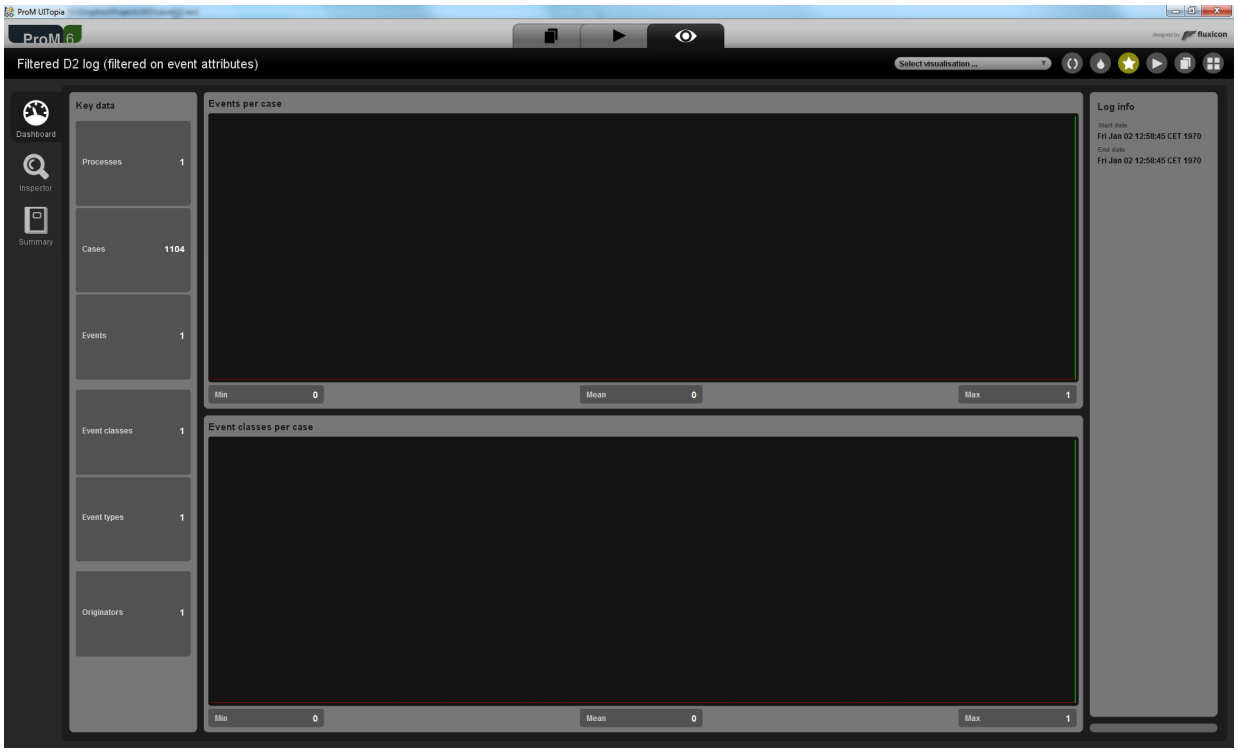
ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
concept:instance
concept:name
lifecycle:transition
org:group
org:resource
org:role
time:timestamp
Select values
SolverC1
SolverC2
SolverC3
SolverS1
SolverS2
SolverS3
System
Tester1
Tester2
Tester3
Tester4
Tester5
Tester6
Remove if no value provided
Log name:
Filtered D2 log (filtered on event attributes)
Cancel
Previous
Finish
Filter Log on Event Attribute Values

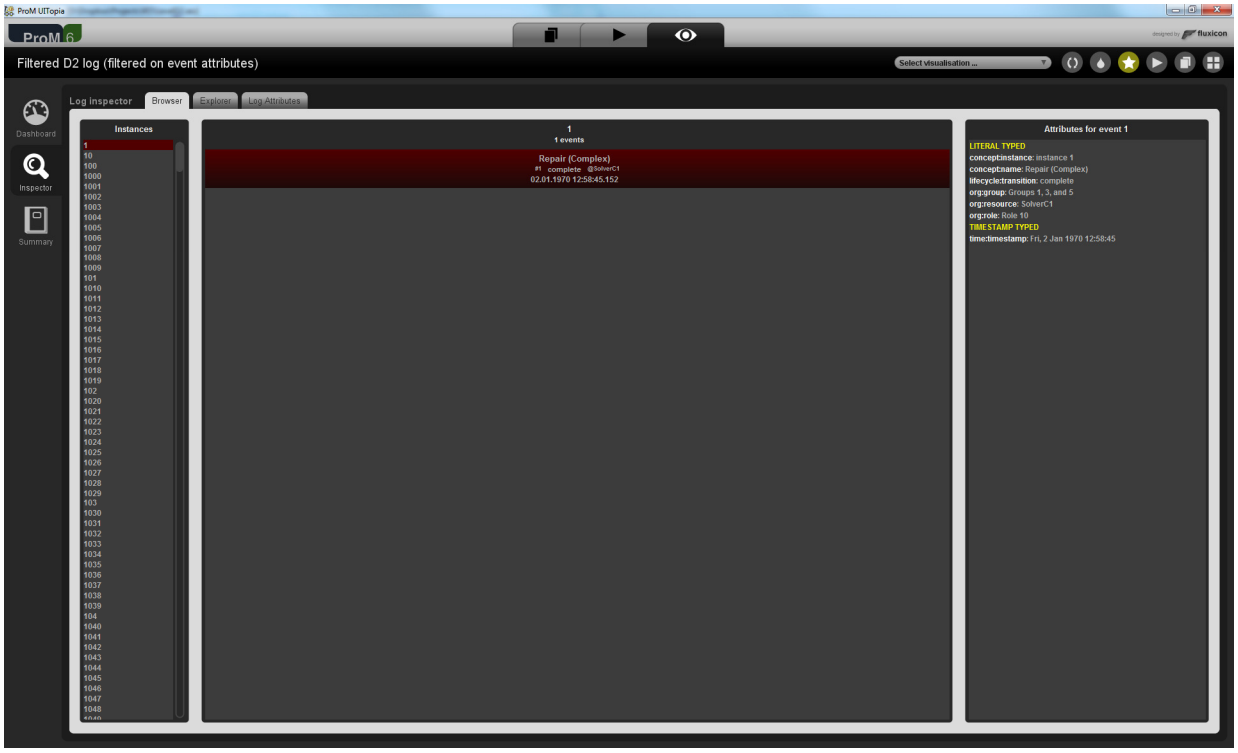
IMPORT

ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
concept:instance
concept:name
lifecycle:transition
org:group
org:resource
org:role
time:timestamp
Select values
Role 9
Role 10
Roles 1, 2, and 3
Remove if no value provided
Log name:
Filtered D2 log (filtered on event attributes)
Cancel
Previous
Finish
Filter Log on Event Attribute Values

ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
concept:instance
concept:name
lifecycle:transition
org:group
org:resource
org:role
time:timestamp
Select values
1970-01-01T12:13:36.899+01:00
1970-01-01T12:22:10.313+01:00
1970-01-01T12:30:48.478+01:00
1970-01-01T12:32:44.736+01:00
1970-01-01T12:35:33.116+01:00
1970-01-01T12:45:00.889+01:00
1970-01-01T12:46:28.411+01:00
1970-01-01T12:54:38.379+01:00
1970-01-01T13:00:51.253+01:00
1970-01-02T12:23:56.720+01:00
1970-01-02T12:26:45.969+01:00
1970-01-02T12:36:13.475+01:00
1970-01-02T12:39:01.801+01:00
1970-01-02T12:58:45.152+01:00
1970-01-02T13:00:50.306+01:00
Remove if no value provided
Log name:
Filtered D2 log (filtered on event attributes)
Cancel
Previous
Finish
Filter Log on Event Attribute Values

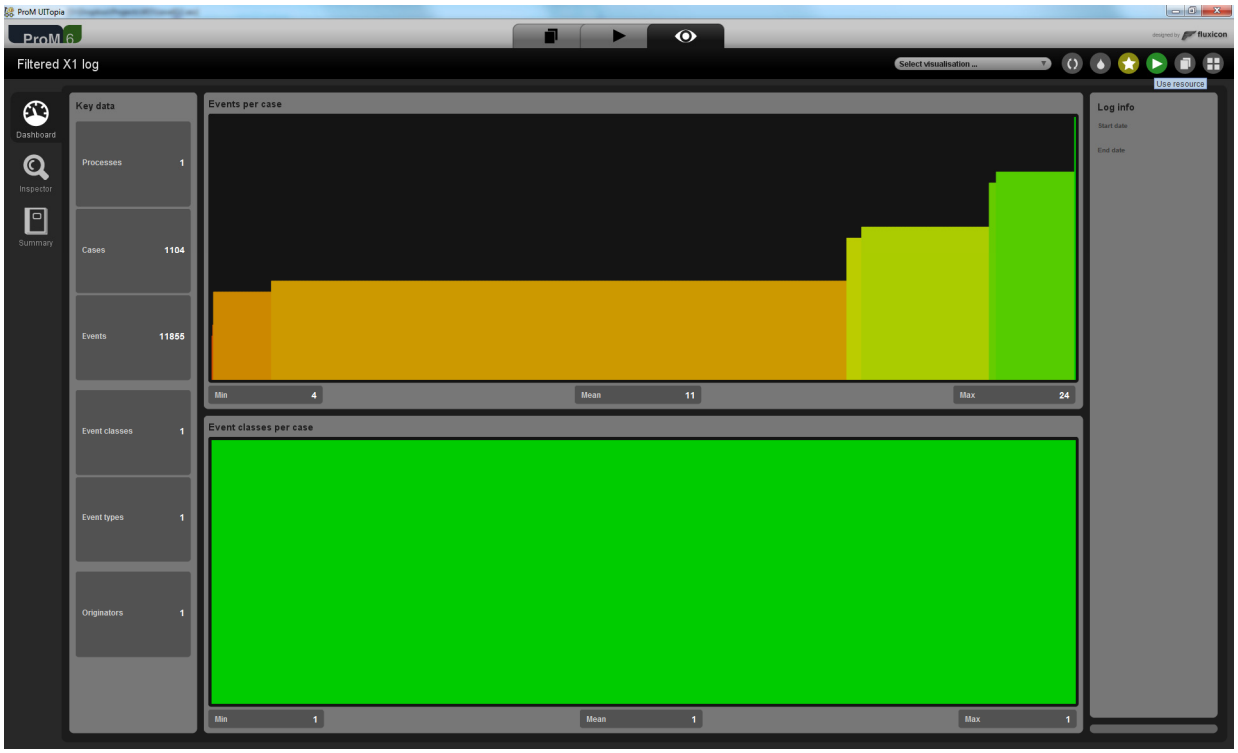
IMPORT


ProM UITopia
ProM 6
fluxicon
Filtered D2 log (filtered on event attributes)
Select visualisation ...
Dashboard
Inspector
Summary
Key data
Processes 1
Cases 1104
Events 1
Event classes 1
Event types 1
Originators 1
Events per case
Min 0
Mean 0
Max 1
Event classes per case
Min 0
Mean 0
Max 1
Log info
Start date
Fri Jan 02 12:58:45 CET 1970
End date
Fri Jan 02 12:58:45 CET 1970


ProM UITopia
ProM 6
fluxicon
Filtered D2 log (filtered on event attributes)
Select visualisation ...
Dashboard
Inspector
Summary
Log inspector
Browser
Explorer
Log Attributes
Instances
1
10
100
1000
1001
1002
1003
1004
1005
1006
1007
1008
1009
101
1010
1011
1012
1013
1014
1015
1016
1017
1018
1019
102
1020
1021
1022
1023
1024
1025
1026
1027
1028
1029
103
1030
1031
1032
1033
1034
1035
1036
1037
1038
1039
104
1040
1041
1042
1043
1044
1045
1046
1047
1048
1
1 events
Repair (Complex)
#1 complete @SolverC1
02.01.1970 12:58:45.152
Attributes for event 1
LITERAL TYPED
concept:instance: instance 1
concept:name: Repair (Complex)
lifecycle:transition: complete
org:group: Groups 1, 3, and 5
org:resource: SolverC1
org:role: Role 10
TIMESTAMP TYPED
time:timestamp: Fri, 2 Jan 1970 12:58:45

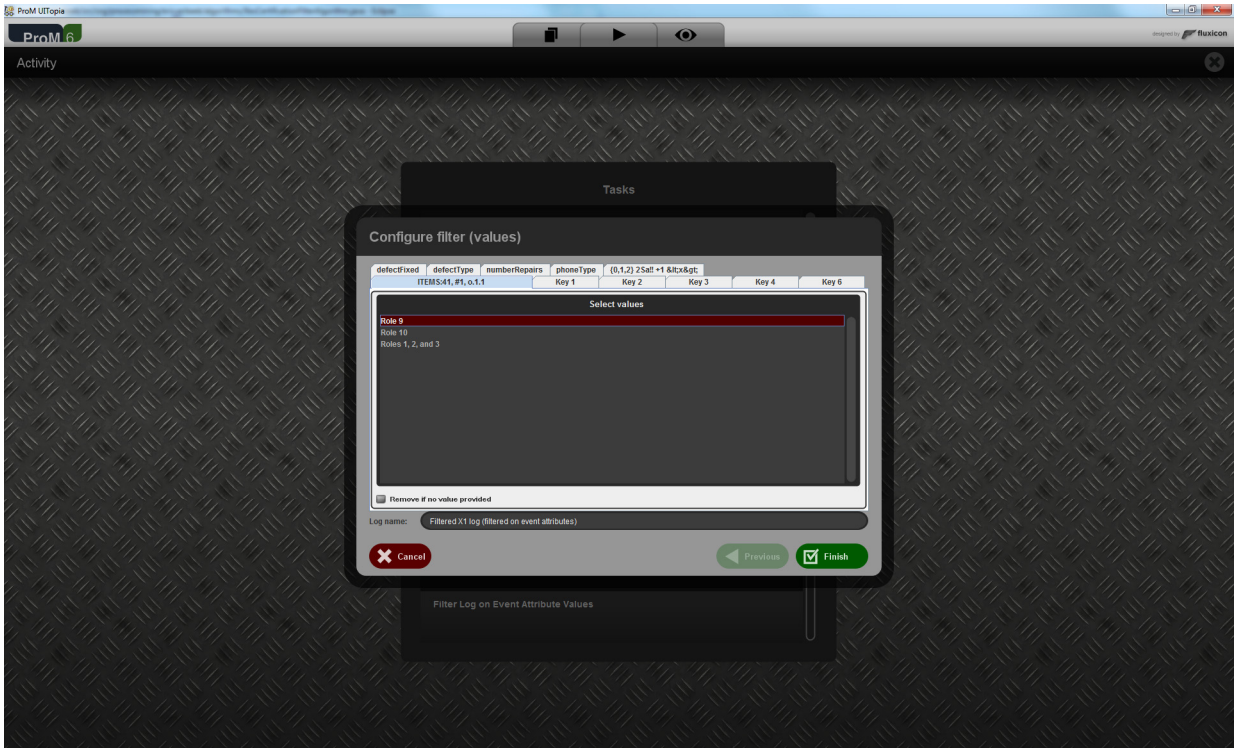
This shows that the classifier and all (standard) attributes contained in the log were used.

Flag X1

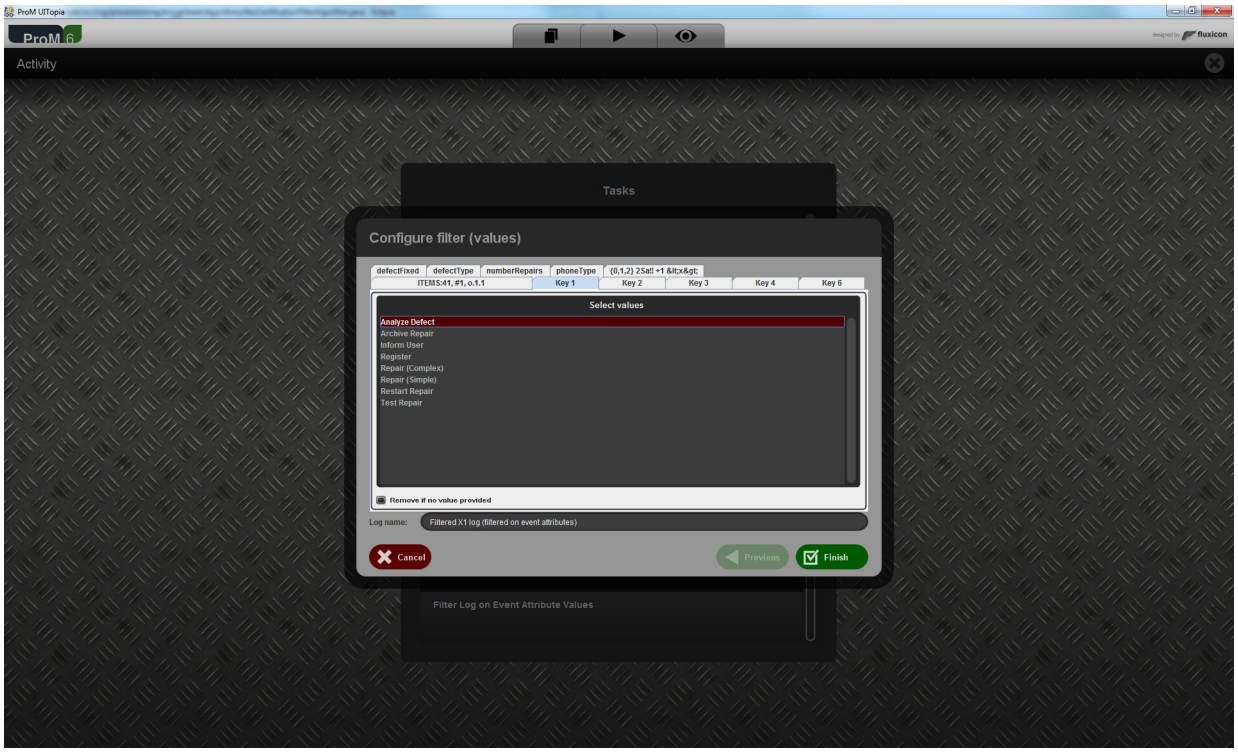


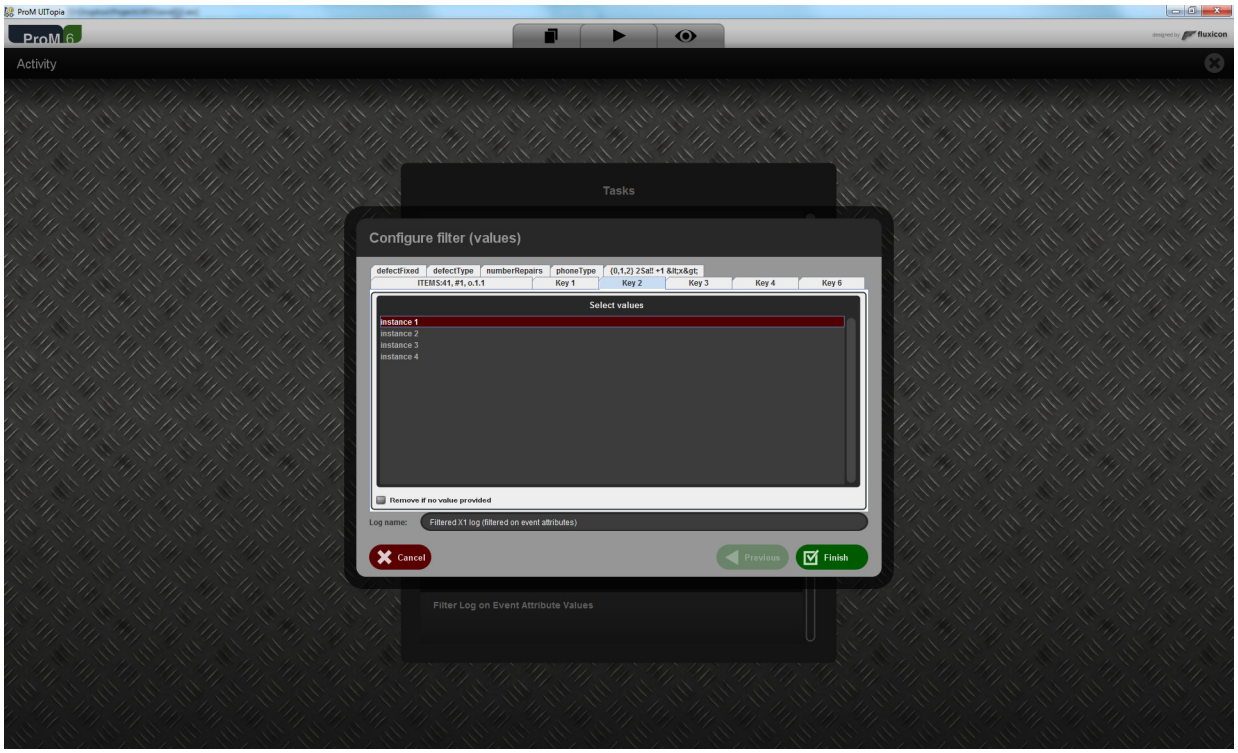
IMPORT

ProM UITopia
ProM 6
Actions
Input
Filtered X1 log
Actions
Filter Log by Attributes
Filter Log on Event Attribute Values
Filter Log on Trace Attribute Values
Filter Log using Prefix-Closed Language (PCL)
Filter Log using Simple Heuristics
Filter Log: Retain Trace with Higher Fitness
Filter Log: Retain Trace with Lower Fitness
Filter log on first six months per trace
Reset
Start
Output
Log
Plugin action info
Filter Log on Event Attribute Values

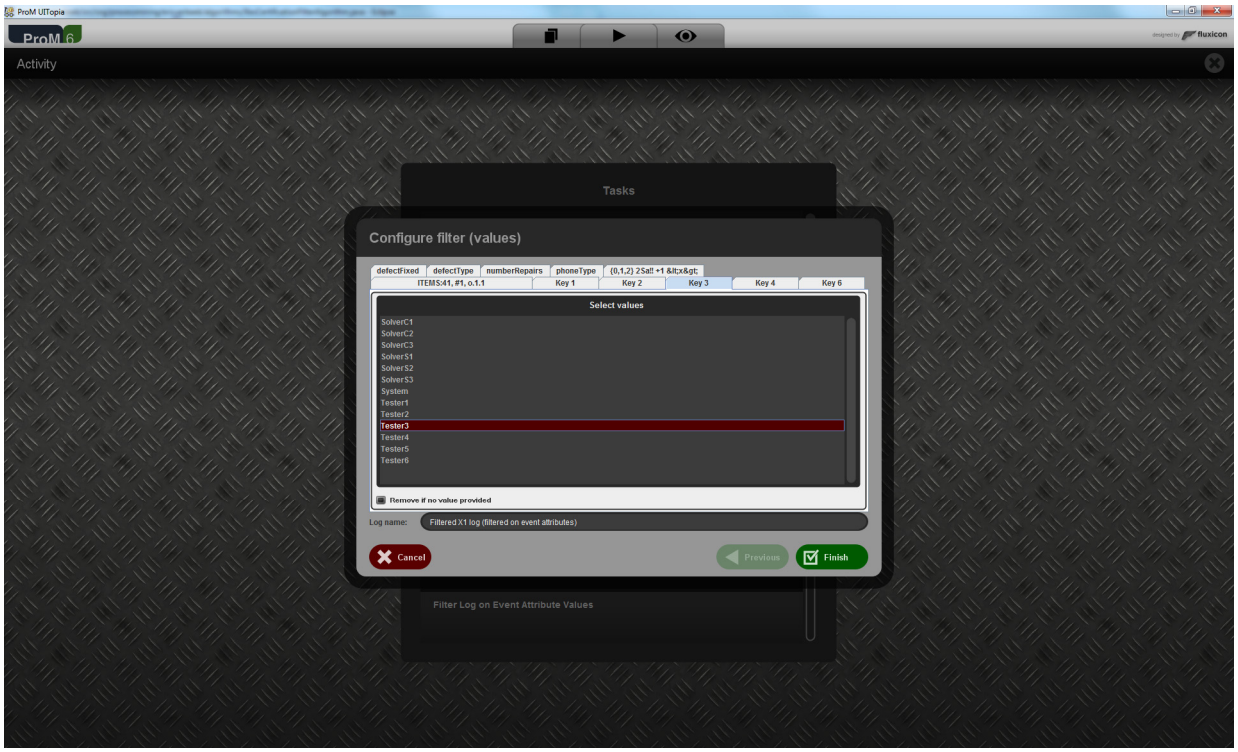

ProM UITopia
ProM 6
Activity
Tasks
Configure filter (values)
defectFixed
defectType
numberRepairs
phoneType
Key 1
Key 2
Key 3
Key 4
Key 6
Select values
Role 9
Role 10
Roles 1, 2, and 3
Remove if no value provided
Log name:
Filtered X1 log (filtered on event attributes)
Cancel
Previous
Finish
Filter Log on Event Attribute Values

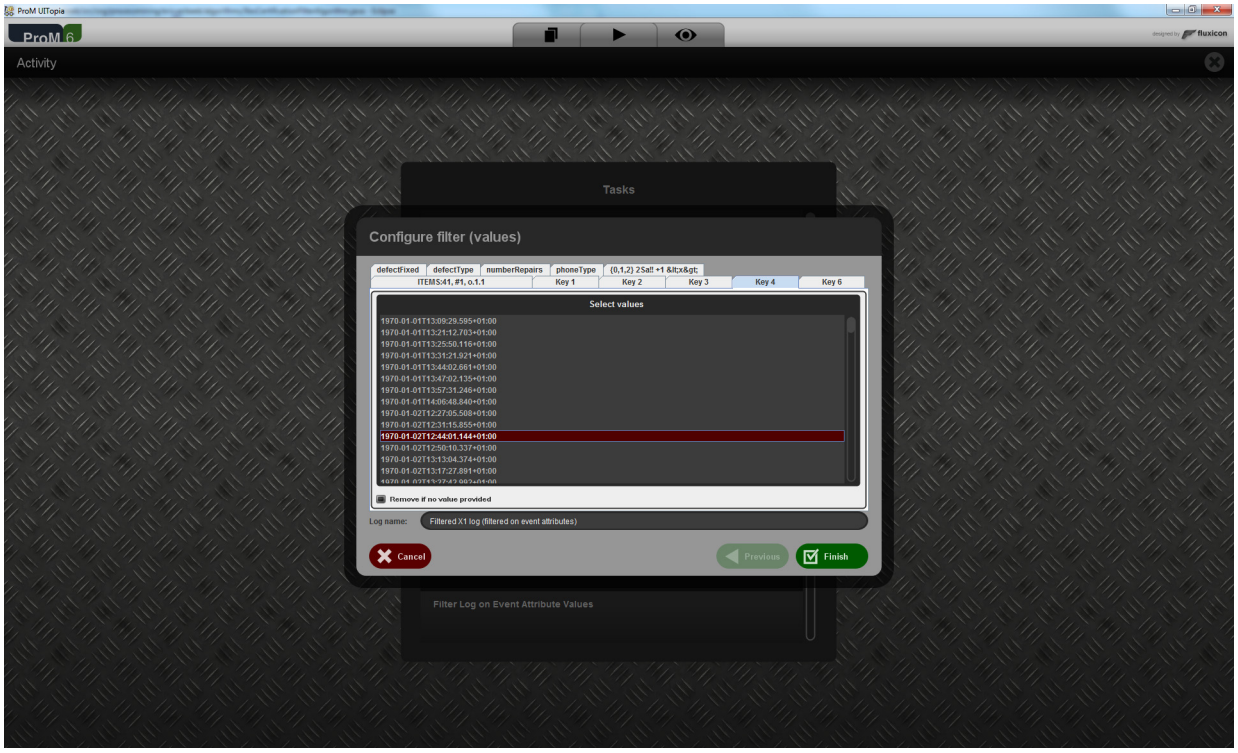
IMPORT

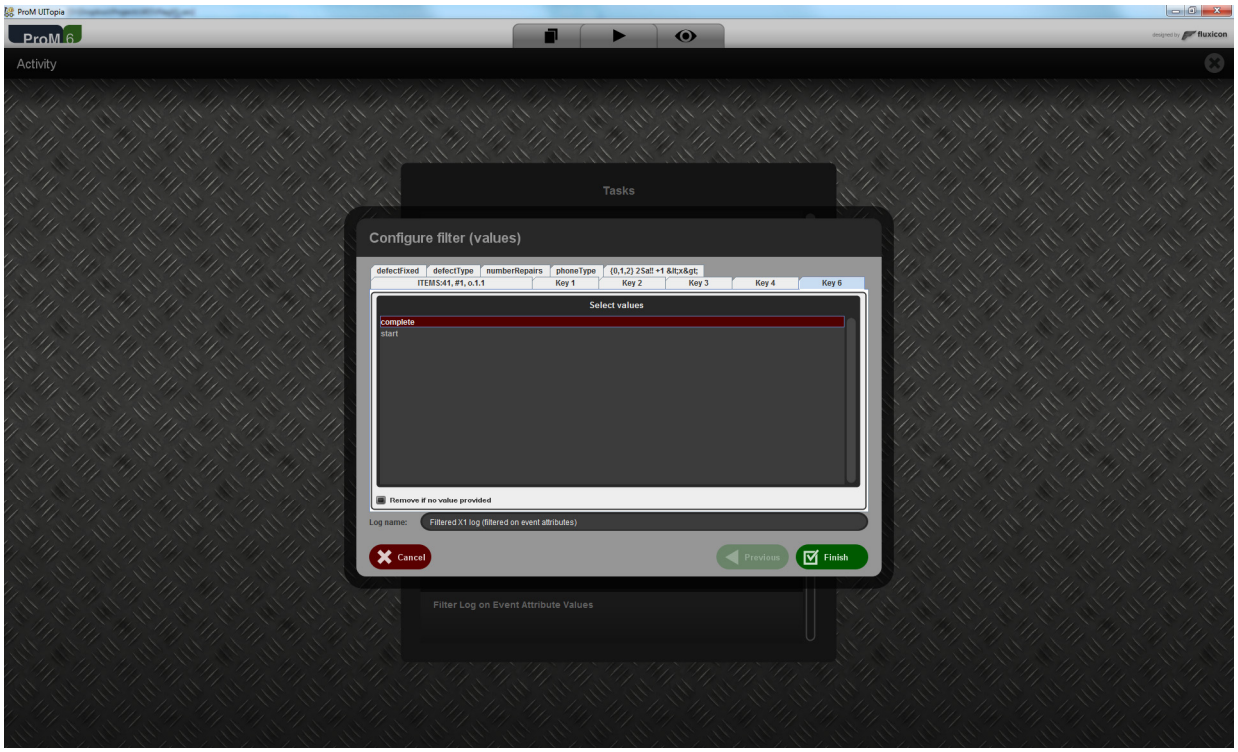

ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
defectFixed
defectType
numberRepairs
phoneType
(0,1,2) 2Sa!! +1 <x>
ITEMS:41, #1, o.1.1
Key 1
Key 2
Key 3
Key 4
Key 6
Select values
Analyze Defect
Archive Repair
Inform User
Register
Repair (Complex)
Repair (Simple)
Restart Repair
Test Repair
Remove if no value provided
Log name:
Filtered X1 log (filtered on event attributes)
Cancel
Previous
Finish
Filter Log on Event Attribute Values

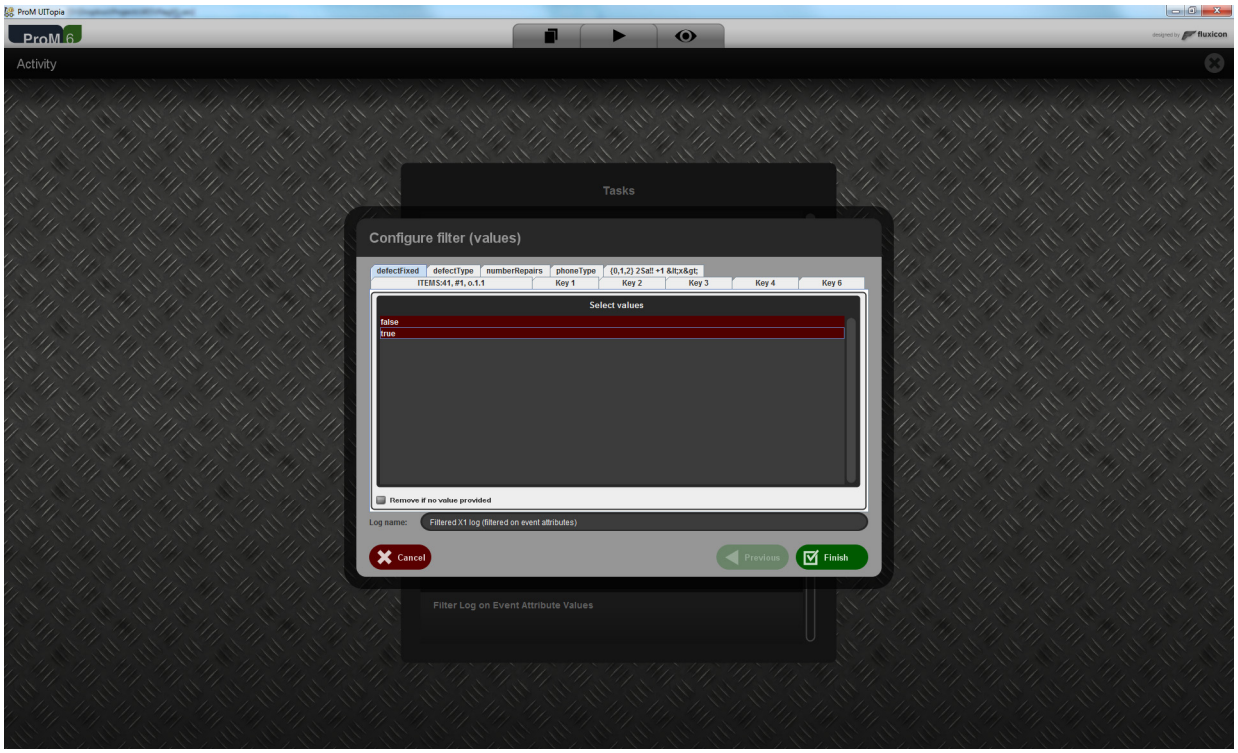

ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
defectFixed
defectType
numberRepairs
phoneType
(0,1,2) 2Sa!! +1 <x>
ITEMS:41, #1, o.1.1
Key 1
Key 2
Key 3
Key 4
Key 6
Select values
Instance 1
instance 2
instance 3
instance 4
Remove if no value provided
Log name:
Filtered X1 log (filtered on event attributes)
Cancel
Previous
Finish
Filter Log on Event Attribute Values

IMPORT

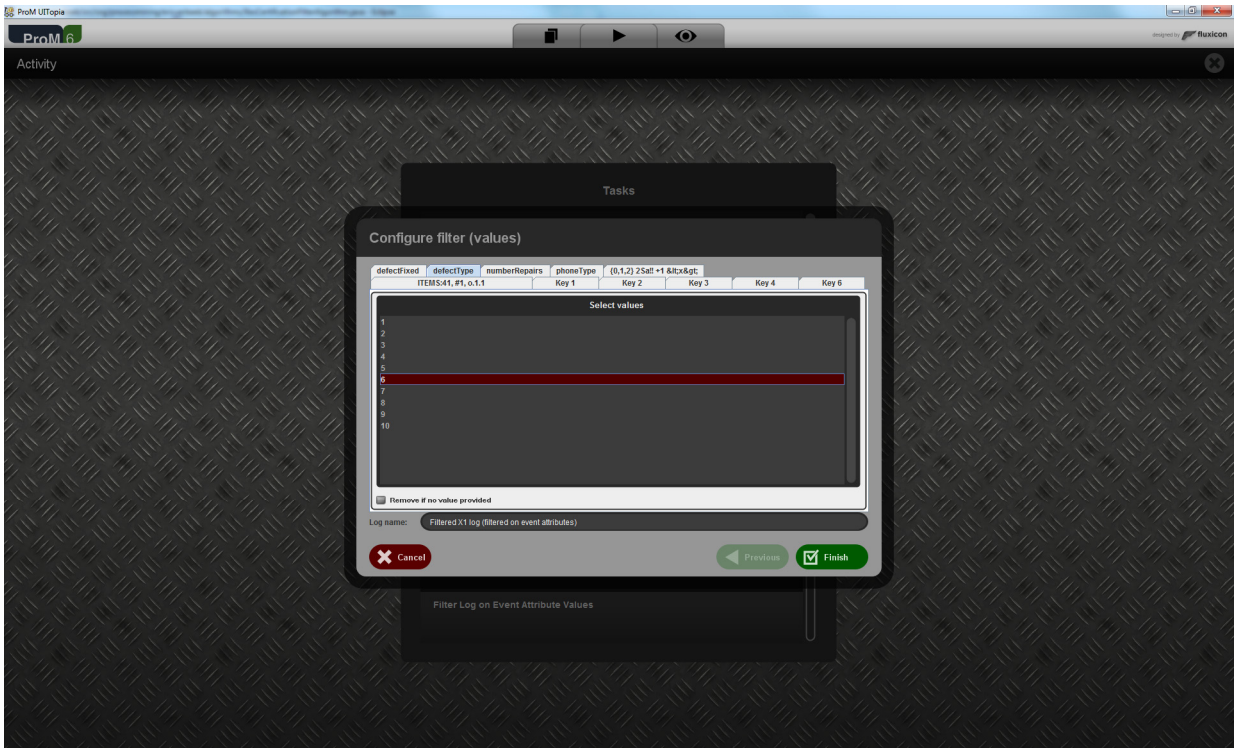

ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
defectFixed
defectType
numberRepairs
phoneType
(0,1,2) 2 Sat! +1 <x>
ITEMS:41, #1, o.1.1
Key 1
Key 2
Key 3
Key 4
Key 6
Select values
SolverC1
SolverC2
SolverC3
SolverS1
SolverS2
SolverS3
System
Tester1
Tester2
Tester3
Tester4
Tester5
Tester6
Remove if no value provided
Log name:
Filtered X1 log (filtered on event attributes)
Cancel
Previous
Finish
Filter Log on Event Attribute Values

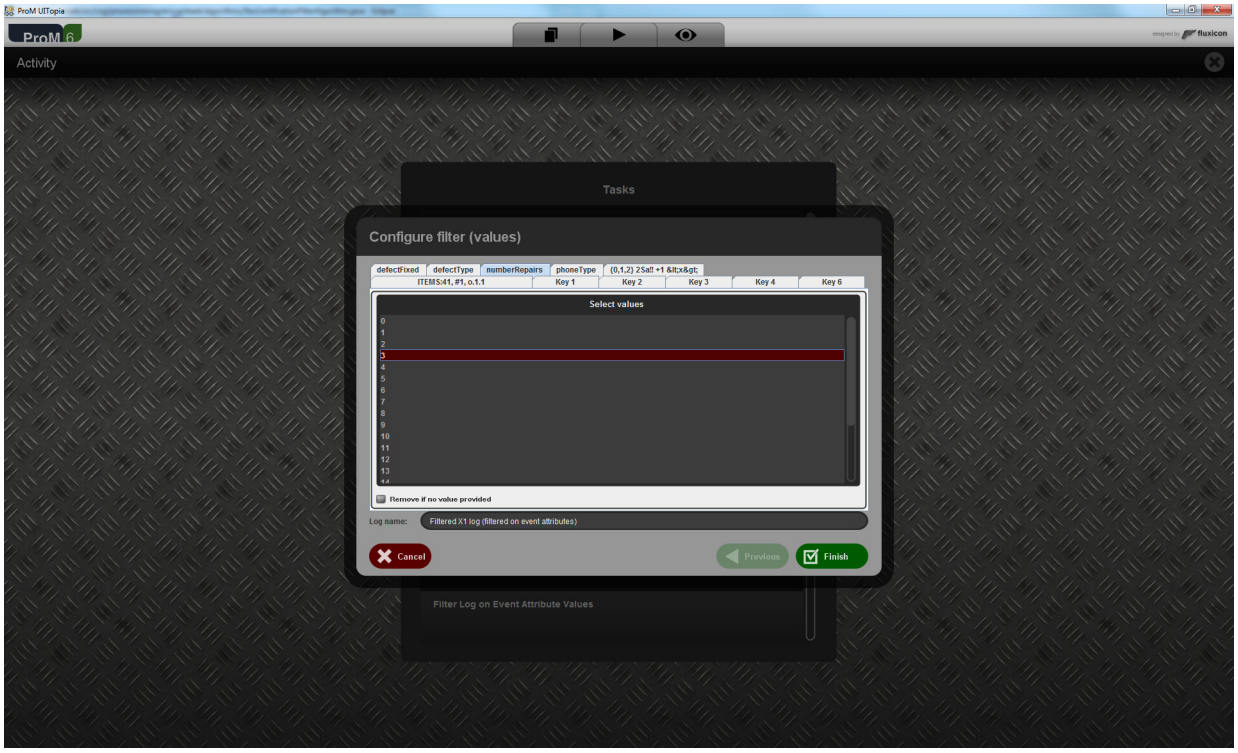

ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
defectFixed
defectType
numberRepairs
phoneType
(0,1,2) 2 Sat! +1 <x>
ITEMS:41, #1, o.1.1
Key 1
Key 2
Key 3
Key 4
Key 6
Select values
1970-01-01T13:09:29.595+01:00
1970-01-01T13:21:12.703+01:00
1970-01-01T13:25:50.116+01:00
1970-01-01T13:31:21.921+01:00
1970-01-01T13:44:02.661+01:00
1970-01-01T13:47:02.135+01:00
1970-01-01T13:57:31.246+01:00
1970-01-01T14:06:48.840+01:00
1970-01-02T12:27:05.508+01:00
1970-01-02T12:31:15.855+01:00
1970-01-02T12:44:01.144+01:00
1970-01-02T12:50:10.337+01:00
1970-01-02T13:13:04.374+01:00
1970-01-02T13:17:27.891+01:00
Remove if no value provided
Log name:
Filtered X1 log (filtered on event attributes)
Cancel
Previous
Finish
Filter Log on Event Attribute Values

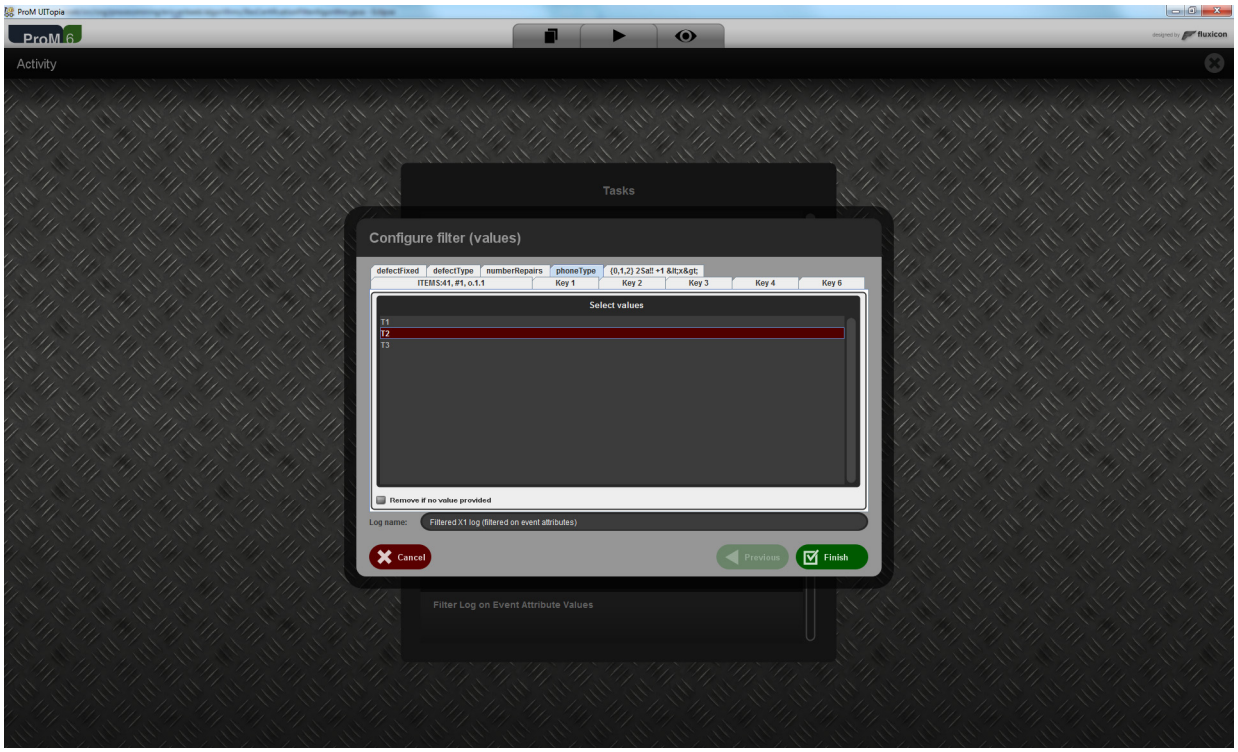

ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
defectFixed
defectType
numberRepairs
phoneType
(0,1,2) 2Sa!! +1 <x>
ITEMS:41, #1, o.1.1
Key 1
Key 2
Key 3
Key 4
Key 6
Select values
complete
start
Remove if no value provided
Log name:
Filtered X1 log (filtered on event attributes)
Cancel
Previous
Finish
Filter Log on Event Attribute Values

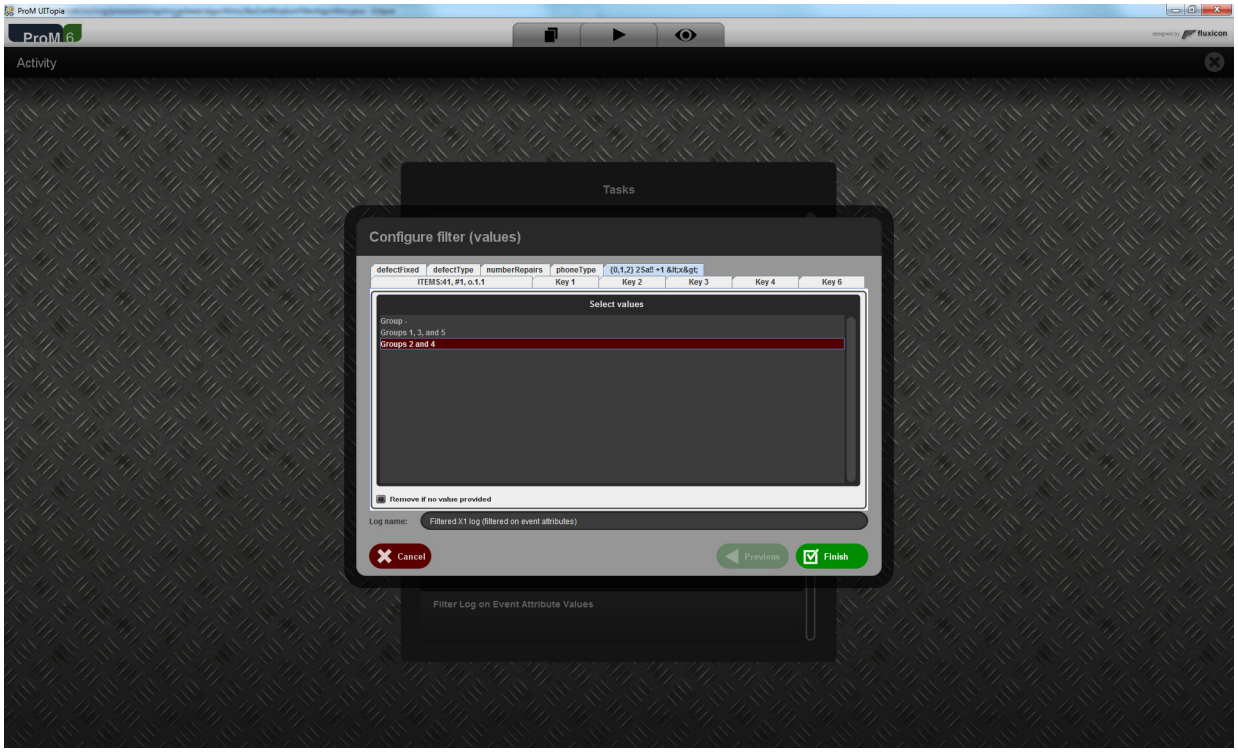

ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
defectFixed
defectType
numberRepairs
phoneType
(0,1,2) 2Sa!! +1 <x>
ITEMS:41, #1, o.1.1
Key 1
Key 2
Key 3
Key 4
Key 6
Select values
false
true
Remove if no value provided
Log name:
Filtered X1 log (filtered on event attributes)
Cancel
Previous
Finish
Filter Log on Event Attribute Values

IMPORT

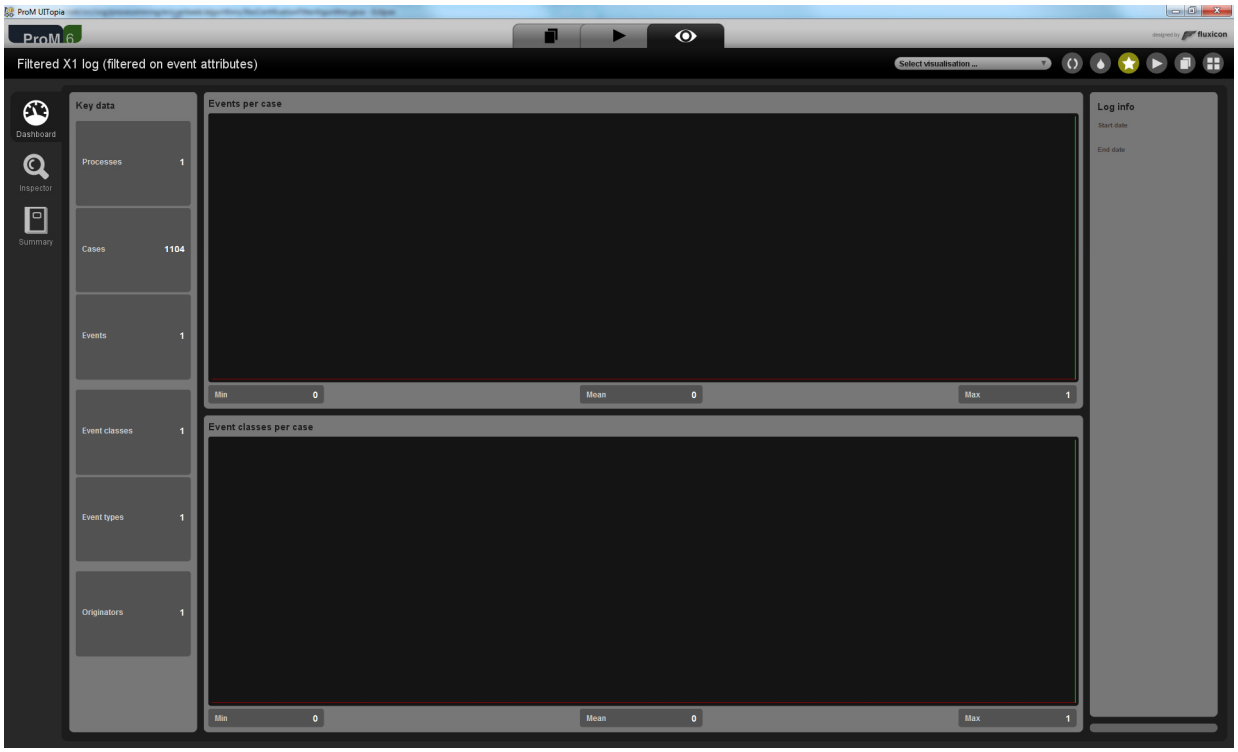

ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
defectFixed
defectType
numberRepairs
phoneType
(0,1,2) 2Sa!! +1 <x>
ITEMS:41, #1, o.1.1
Key 1
Key 2
Key 3
Key 4
Key 6
Select values
1
2
3
4
5
6
7
8
9
10
Remove if no value provided
Log name:
Filtered X1 log (filtered on event attributes)
Cancel
Previous
Finish
Filter Log on Event Attribute Values

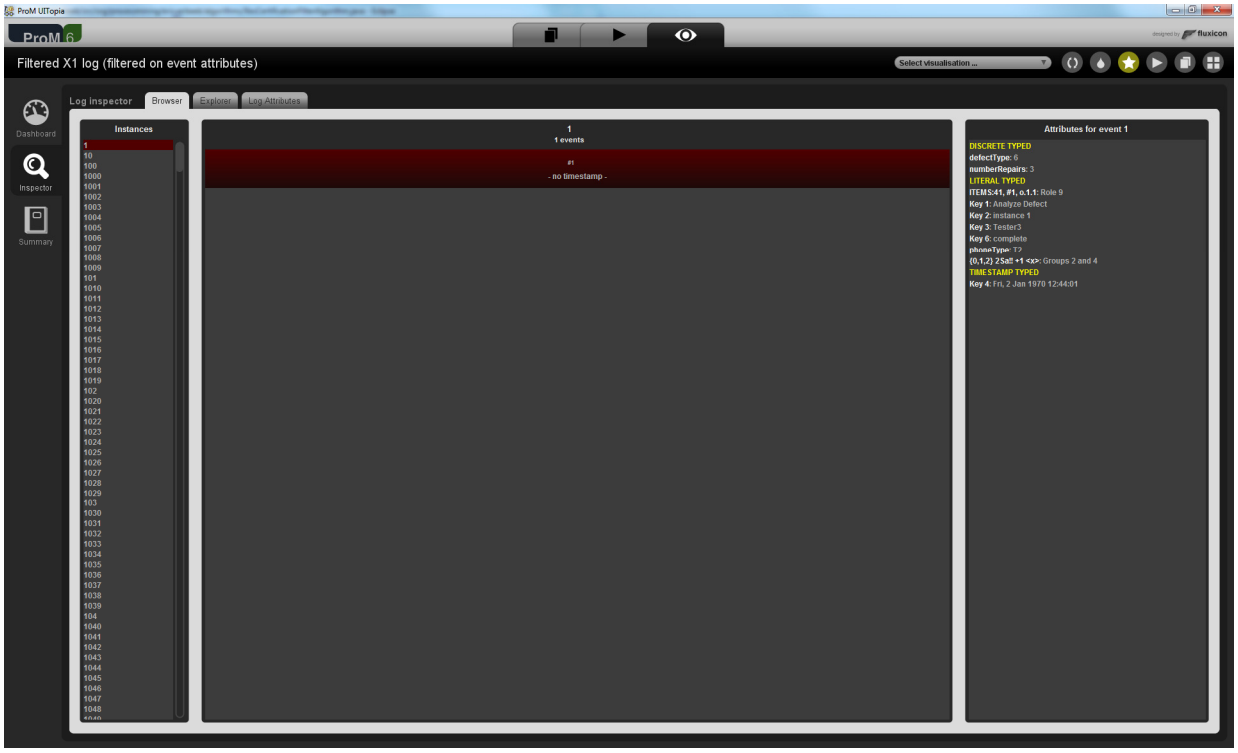

ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
defectFixed
defectType
numberRepairs
phoneType
(0,1,2) 2Sa!! +1 <x>
ITEMS:41, #1, o.1.1
Key 1
Key 2
Key 3
Key 4
Key 6
Select values
0
1
2
3
4
5
6
7
8
9
10
11
12
13
Remove if no value provided
Log name:
Filtered X1 log (filtered on event attributes)
Cancel
Previous
Finish
Filter Log on Event Attribute Values


ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
defectFixed
defectType
numberRepairs
phoneType
(0,1,2) 2Sa!! +1 <x>
ITEMS:41, #1, o.1.1
Key 1
Key 2
Key 3
Key 4
Key 6
Select values
T1
T2
T3
Remove if no value provided
Log name:
Filtered X1 log (filtered on event attributes)
Cancel
Previous
Finish
Filter Log on Event Attribute Values


ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure filter (values)
defectFixed
defectType
numberRepairs
phoneType
(0,1,2) 2Sa!! +1 <x>
ITEMS:41, #1, o.1.1
Key 1
Key 2
Key 3
Key 4
Key 6
Select values
Group -
Groups 1, 3, and 5
Groups 2 and 4
Remove if no value provided
Log name:
Filtered X1 log (filtered on event attributes)
Cancel
Previous
Finish
Filter Log on Event Attribute Values

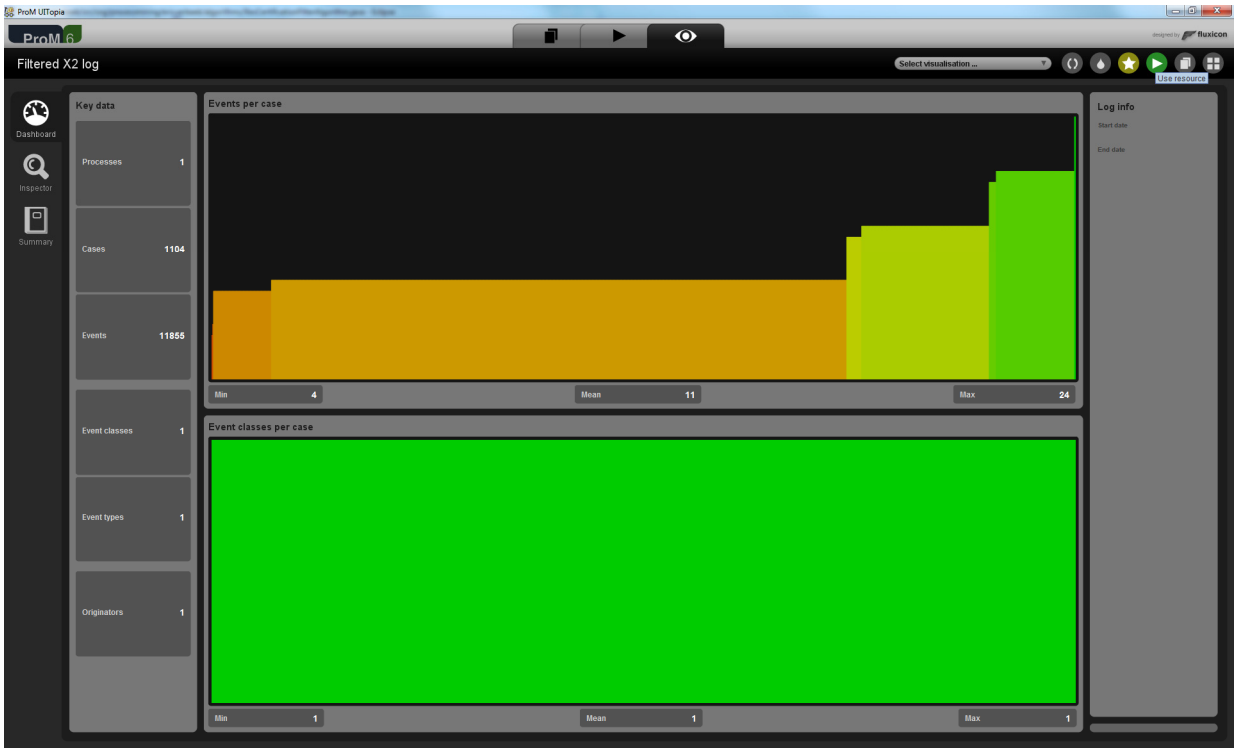
IMPORT


ProM UITopia
ProM 6
fluxicon
Filtered X1 log (filtered on event attributes)
Select visualisation ...
Dashboard
Inspector
Summary
Key data
Processes 1
Cases 1104
Events 1
Event classes 1
Event types 1
Originators 1
Events per case
Min 0
Mean 0
Max 1
Event classes per case
Min 0
Mean 0
Max 1
Log info
Start date
End date

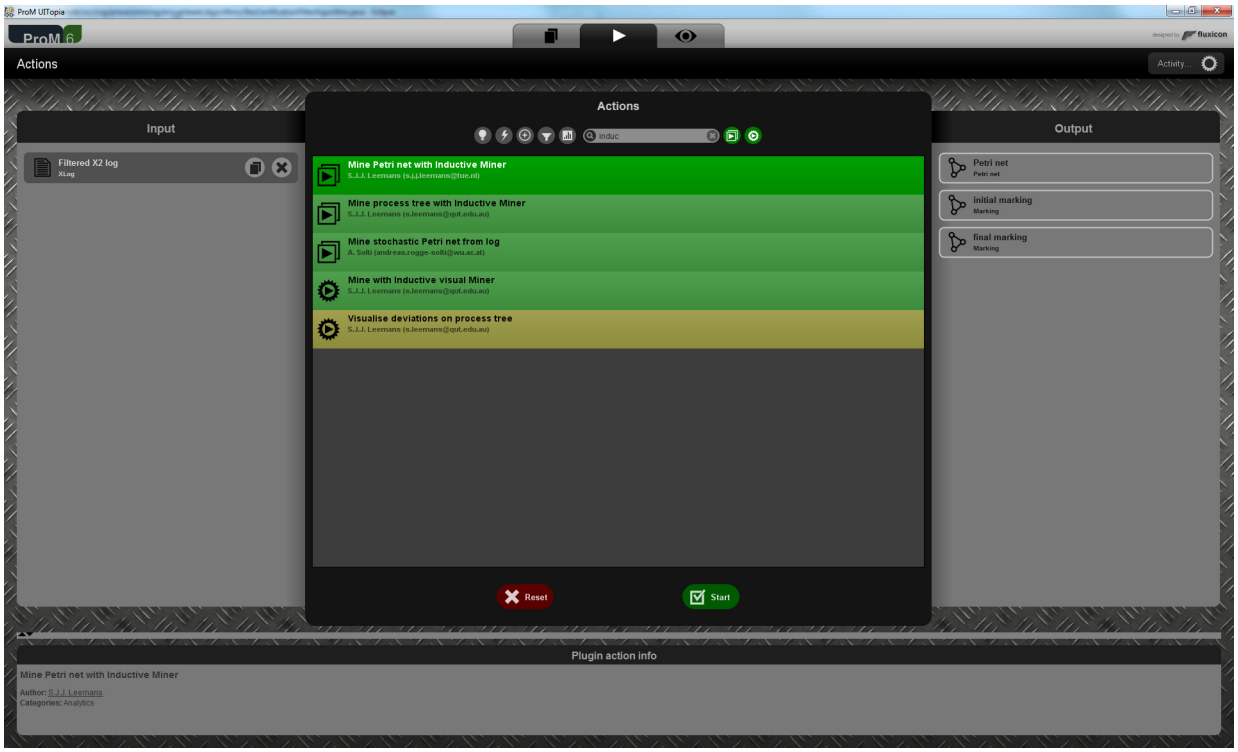

ProM UITopia
ProM 6
fluxicon
Filtered X1 log (filtered on event attributes)
Select visualisation ...
Dashboard
Inspector
Summary
Log inspector
Browser
Explorer
Log Attributes
Instances
1
1 events
#1
- no timestamp -
Attributes for event 1
DISCRETE TYPED
defectType: 6
numberRepairs: 3
LITERAL TYPED
ITEMS:41, #1, o.1.1: Role 9
Key 1: Analyze Defect
Key 2: instance 1
Key 3: Tester3
Key 6: complete
phase Type: T?
{0,1,2} 2Sat! +1 <x>: Groups 2 and 4
TIMESTAMP TYPED
Key 4: Fri, 2 Jan 1970 12:44:01

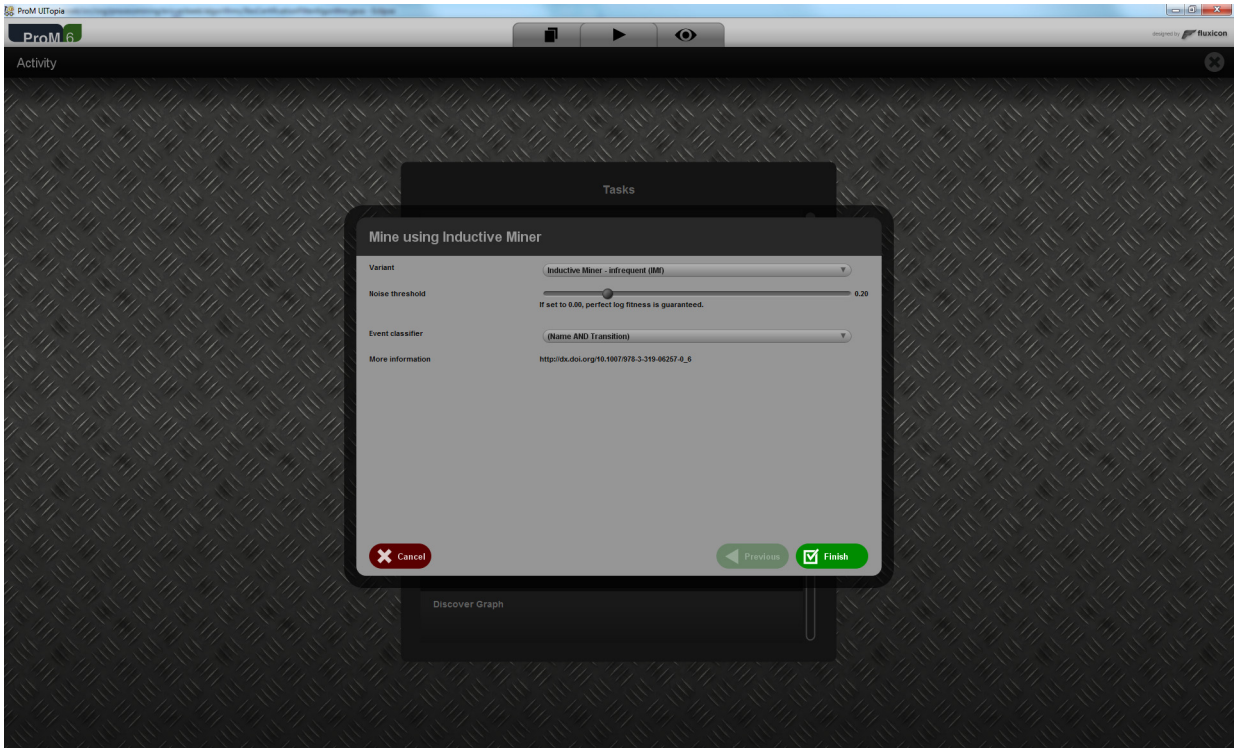
This shows that all (non-standard) attributes contained in the log were used.

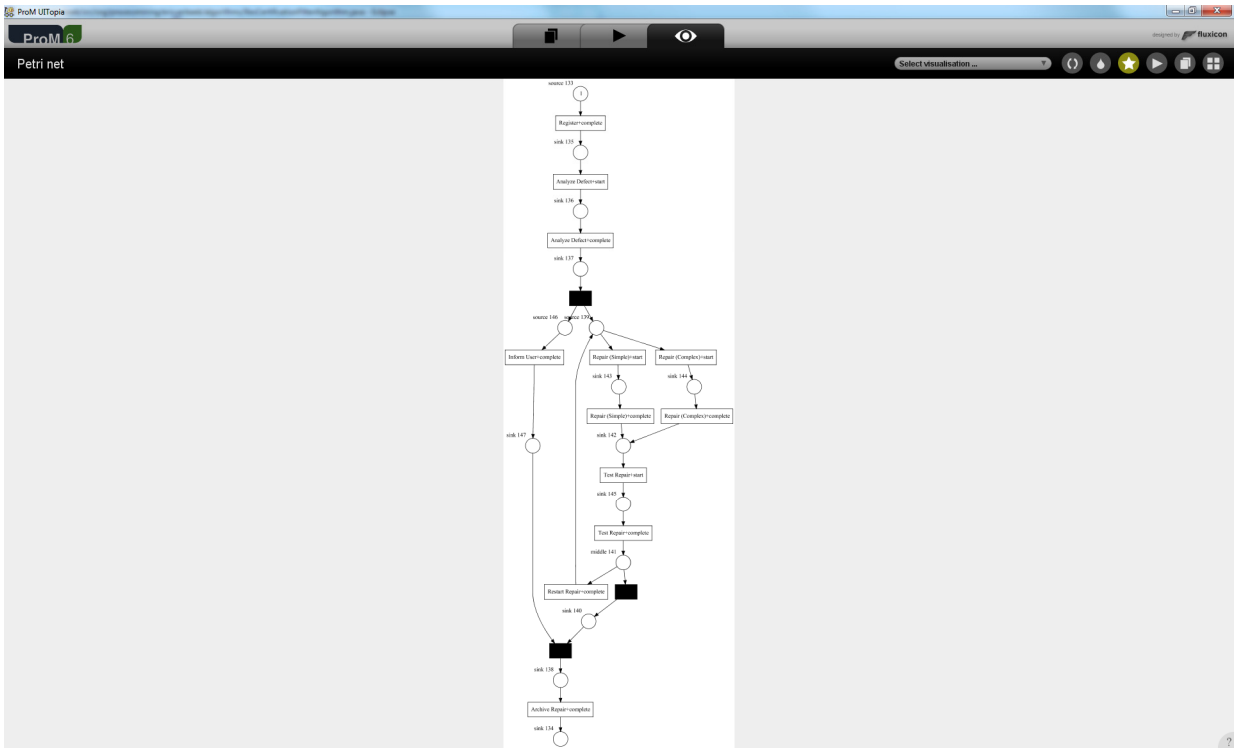
Flag X2



IMPORT


ProM UITopia
ProM 6
Actions
Input
Filtered X2 log
XLog
Actions
Mine Petri net with Inductive Miner
Mine process tree with Inductive Miner
Mine stochastic Petri net from log
Mine with Inductive visual Miner
Visualise deviations on process tree
Reset
Start
Output
Petri net
initial marking
final marking
Plugin action info
Mine Petri net with Inductive Miner
Author: S.J.J. Leemans
Categories: Analytics


ProM UITopia
ProM 6
Activity
Tasks
Mine using Inductive Miner
Variant
Inductive Miner - infrequent (IMI)
Noise threshold
0.20
If set to 0.00, perfect log fitness is guaranteed.
Event classifier
(Name AND Transition)
More information
http://dx.doi.org/10.1007/978-3-319-06257-0_6
Cancel
Previous
Finish
Discover Graph



This shows that the classifier and classified attributes (Key 1 AND Key 6) contained in the log were used.

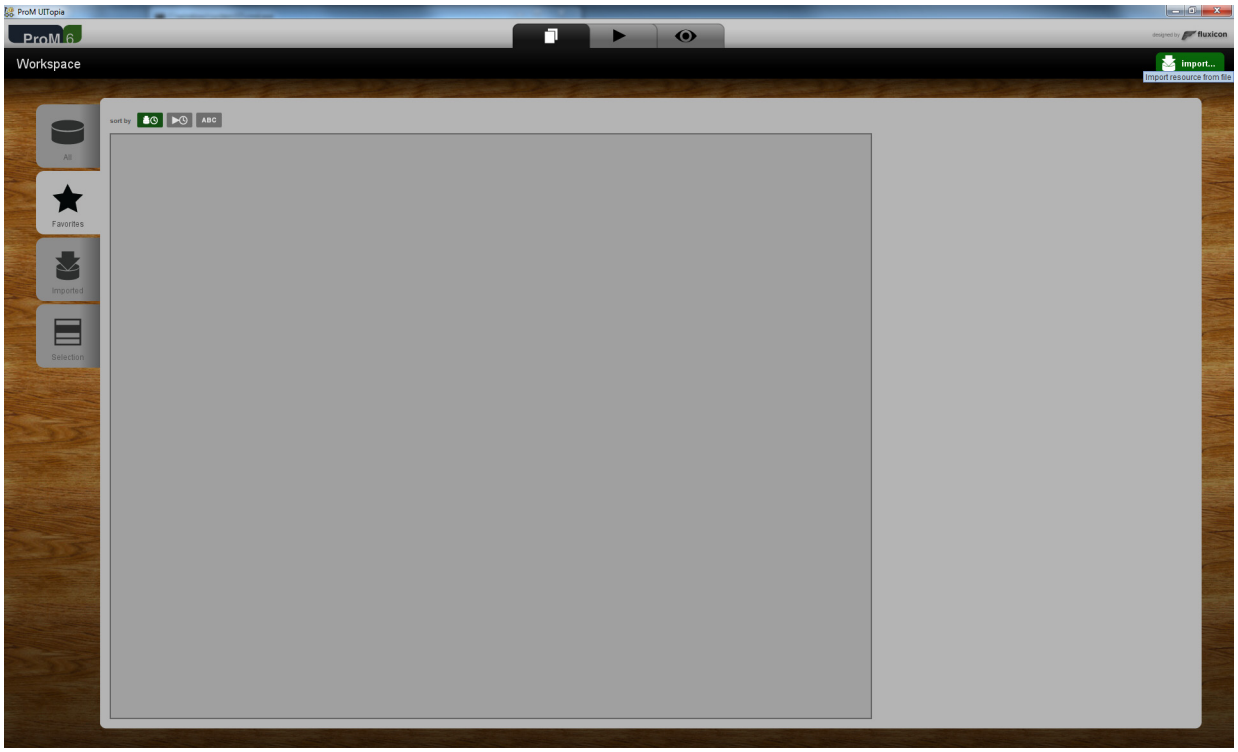
To show that all other attributes can also be used, we can again use the log filter.

This shows that the classifier and all (non-standard) attributes contained in the log were used.

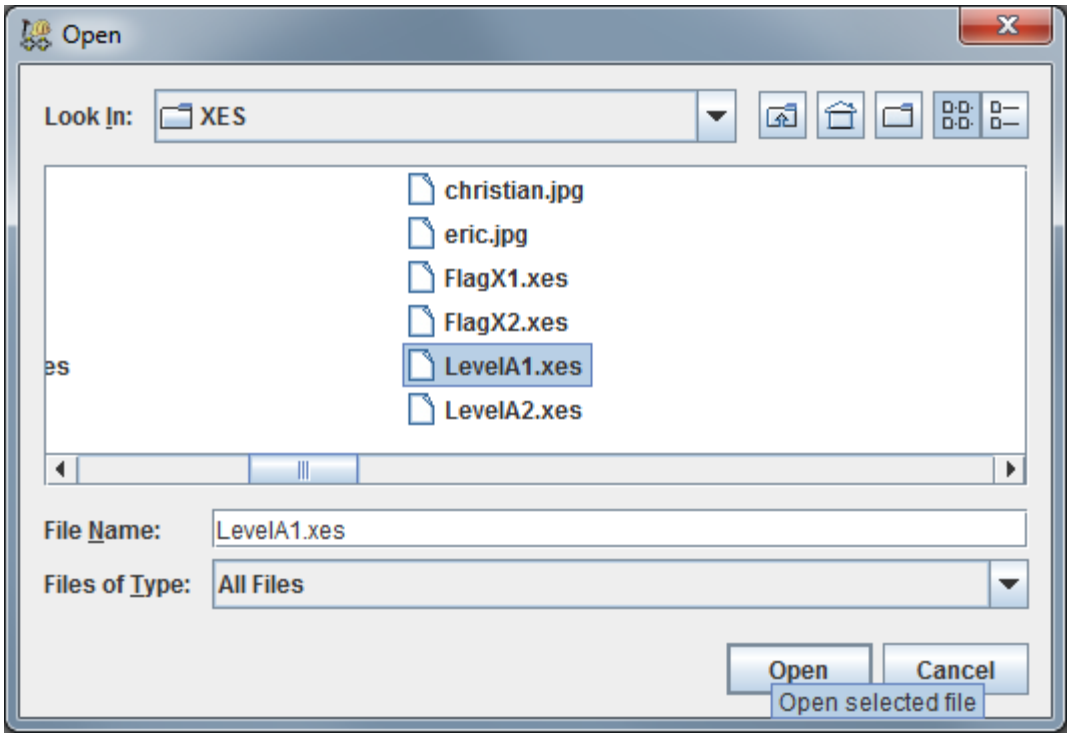
Export

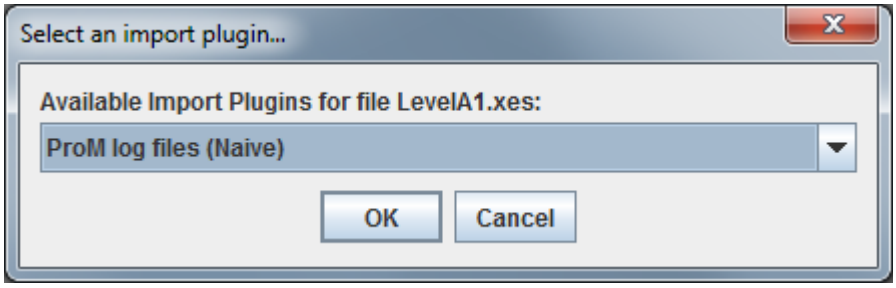
Now we know that the import is working on all levels, we can use it to test the export. We do this by first importing the log for the given level, export that log to a file, import the log from that file again, and show that the result are the same as with the import as shown in the previous section. For sake of brevity, we only show the final screenshot, and only show the import-export-import sequence for the first (A1) log.

Level A1

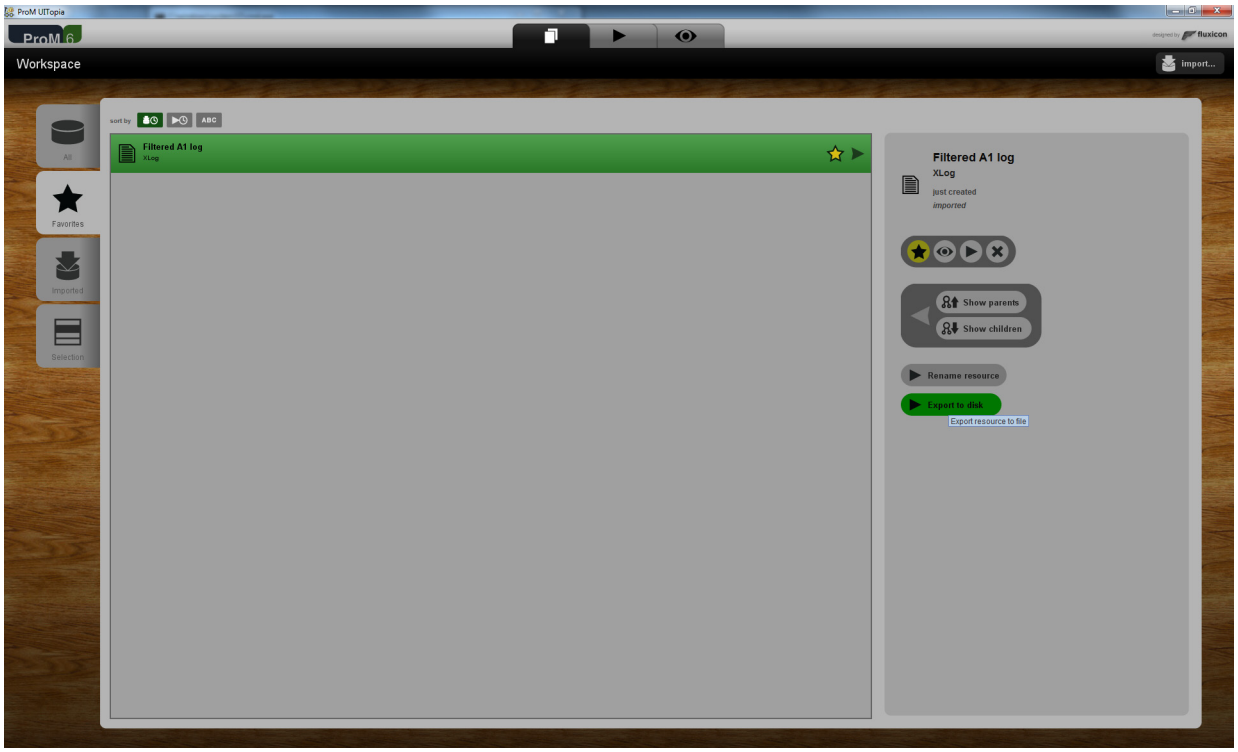


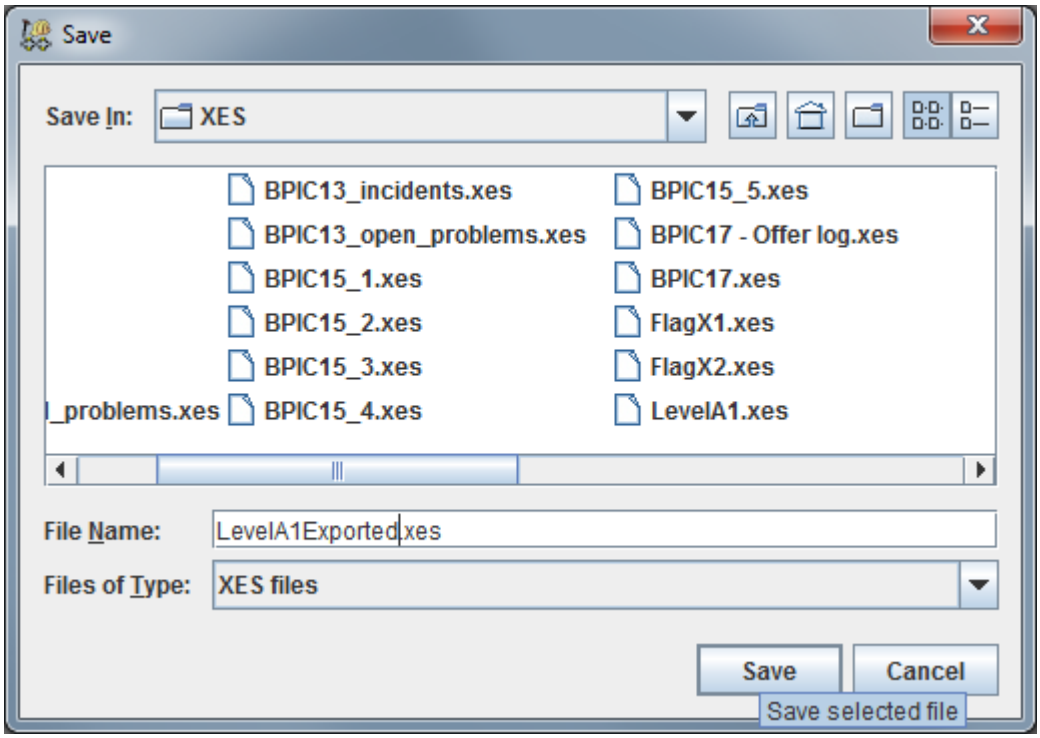
EXPORT

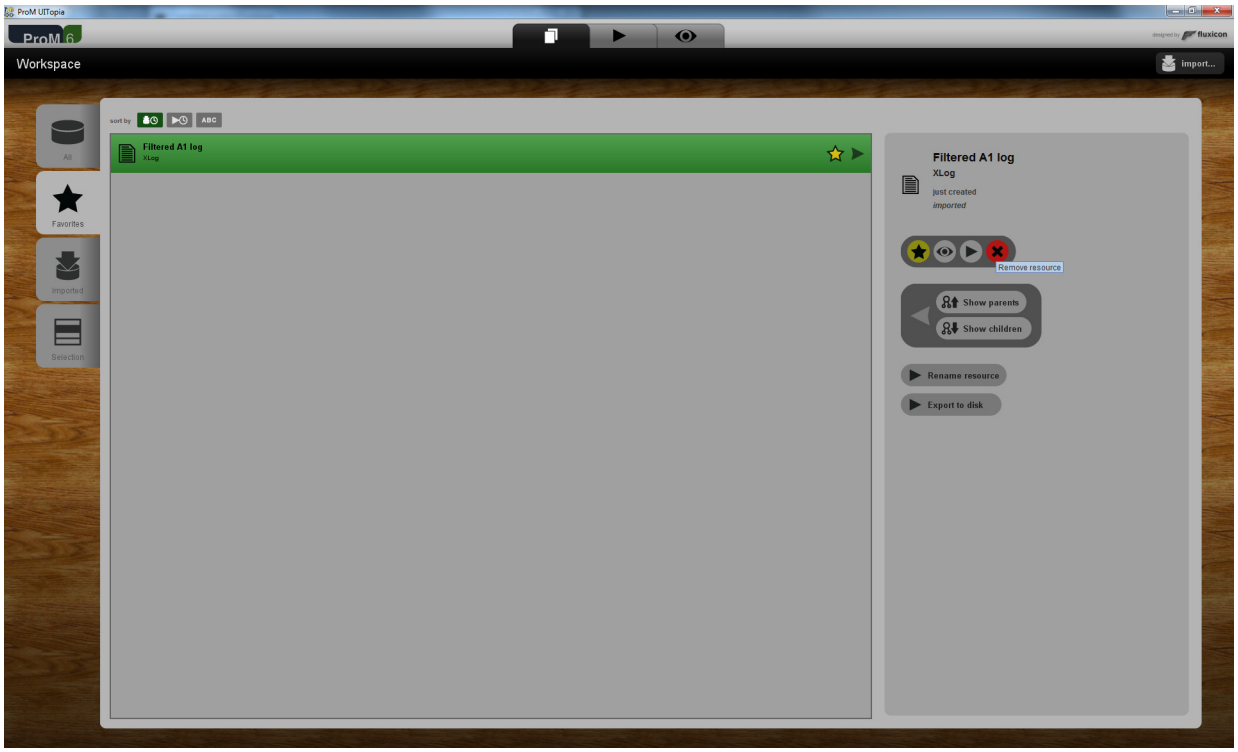

Open
Look In:
XES
christian.jpg
eric.jpg
FlagX1.xes
FlagX2.xes
es
LevelA1.xes
LevelA2.xes
File Name:
LevelA1.xes
Files of Type:
All Files
Open
Cancel
Open selected file


Select an import plugin...
Available Import Plugins for file LevelA1.xes:
ProM log files (Naive)
OK
Cancel

EXPORT

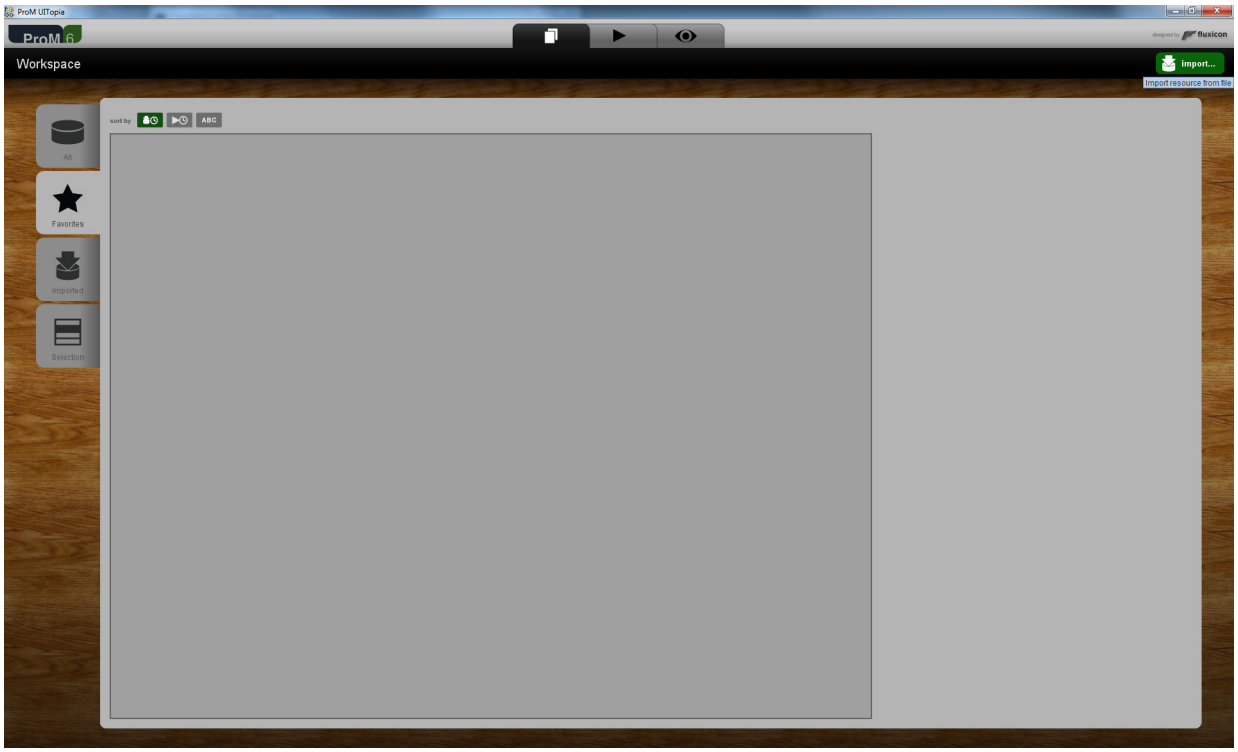

ProM UITopia
ProM 6
Workspace
import...
Filtered A1 log
XLog
Favorites
Imported
Selection
Filtered A1 log
XLog
just created
imported
Show parents
Show children
Rename resource
Export to disk
Export resource to file

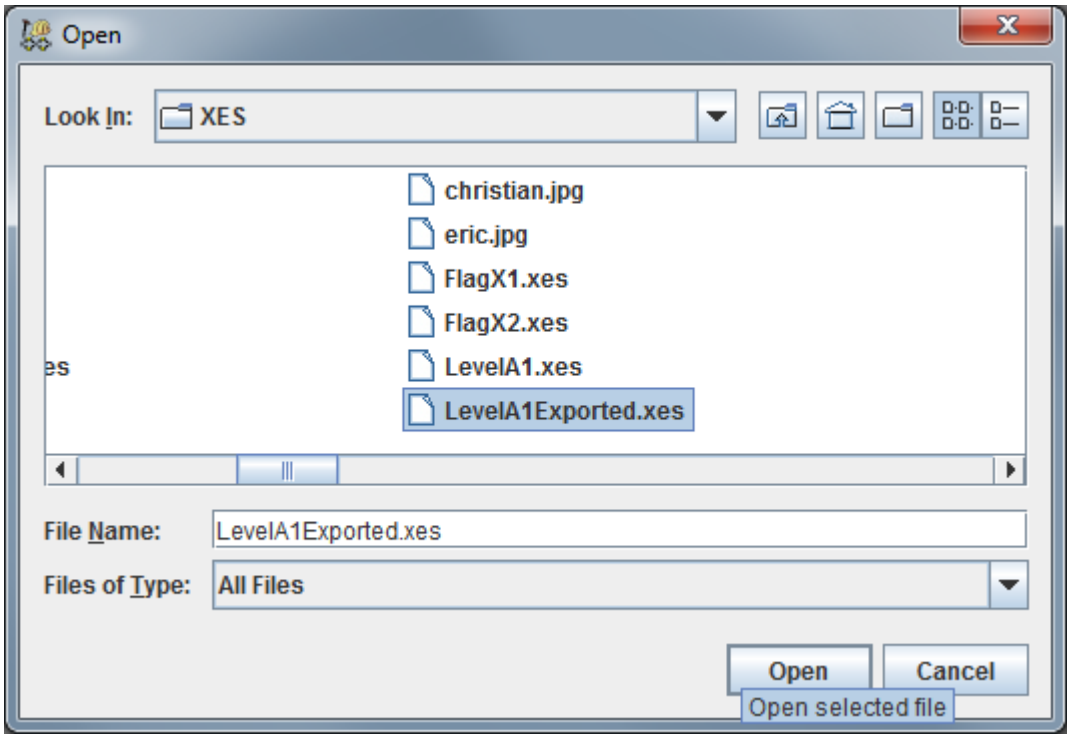

Save
Save In:
XES
BPIC13_incidents.xes
BPIC13_open_problems.xes
BPIC15_1.xes
BPIC15_2.xes
BPIC15_3.xes
BPIC15_4.xes
BPIC15_5.xes
BPIC17 - Offer log.xes
BPIC17.xes
FlagX1.xes
FlagX2.xes
LevelA1.xes
File Name:
LevelA1Exported.xes
Files of Type:
XES files
Save
Cancel
Save selected file



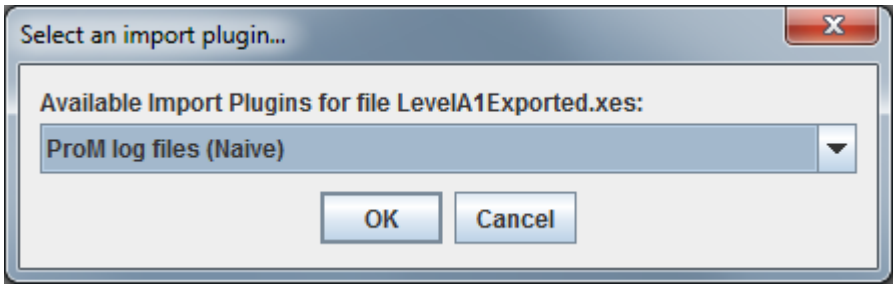
Remove the imported log to make sure we cannot use it in the next steps.

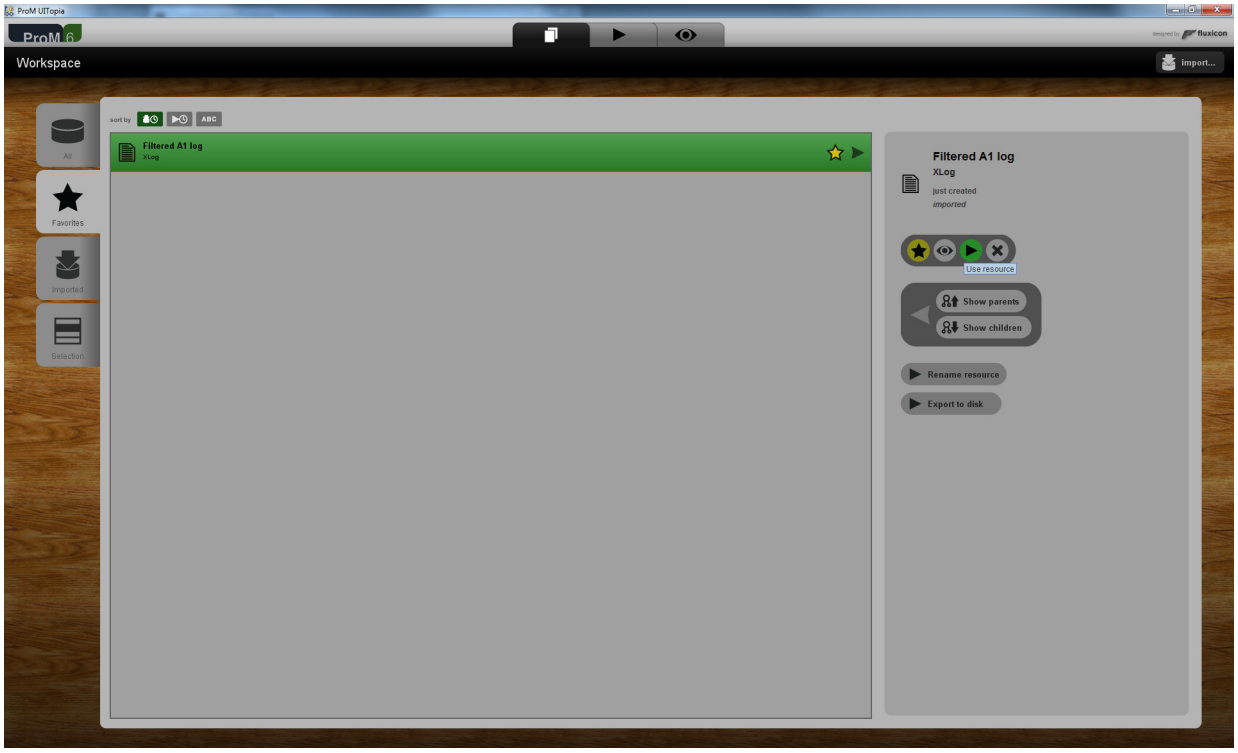
EXPORT

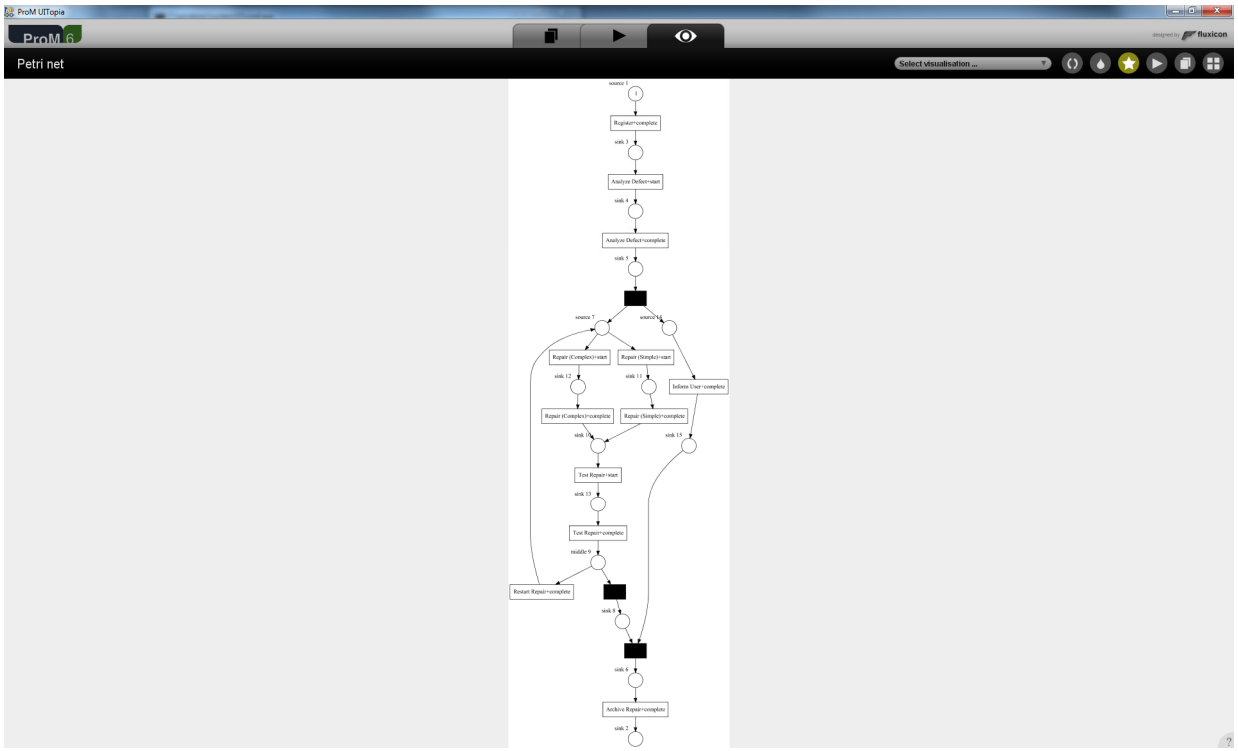

ProM UITopia
ProM 6
Workspace
Import...
Import resource from file
All
Favorites
Imported
Selection
sort by
ABC


Open
Look In:
XES
christian.jpg
eric.jpg
FlagX1.xes
FlagX2.xes
es
LevelA1.xes
LevelA1Exported.xes
File Name:
LevelA1Exported.xes
Files of Type:
All Files
Open
Cancel
Open selected file

EXPORT


Select an import plugin...
Available Import Plugins for file LevelA1Exported.xes:
ProM log files (Naive)
OK
Cancel

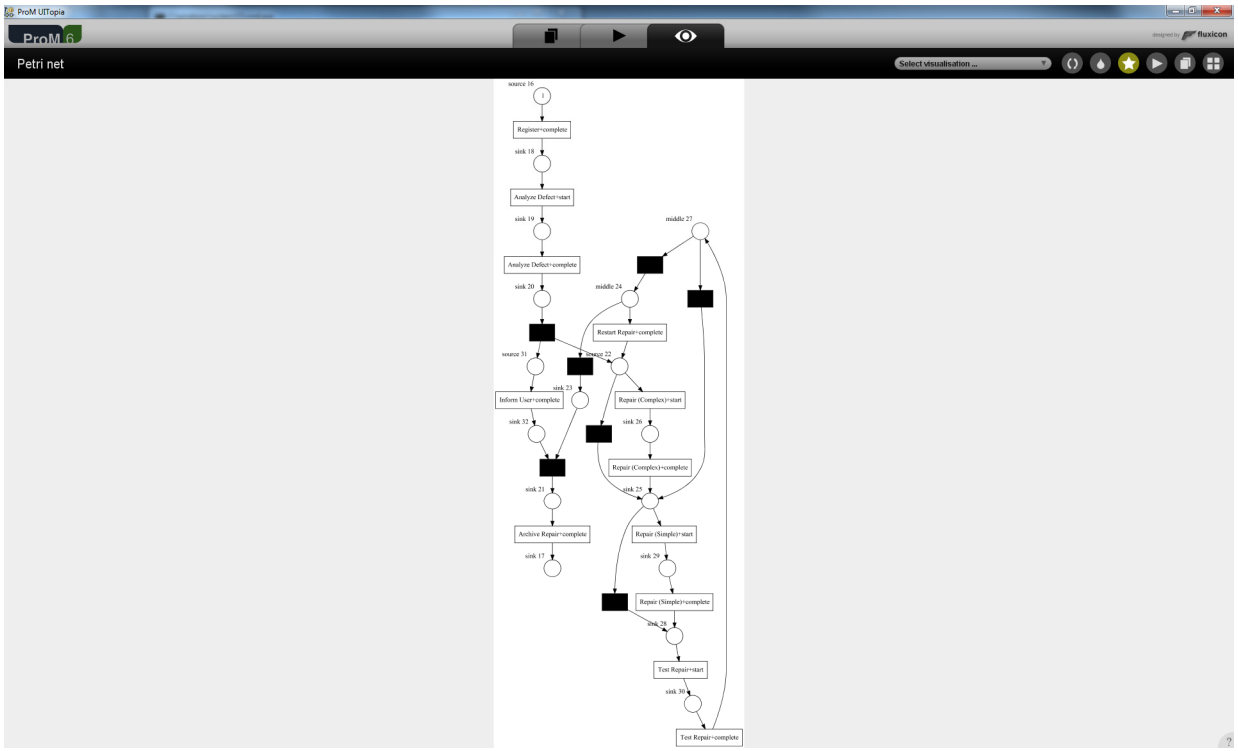

ProM UITopia
ProM 6
Workspace
import...
Filtered A1 log
XLog
Filtered A1 log
XLog
just created
imported
Use resource
Show parents
Show children
Rename resource
Export to disk



This net is (except for the layout) identical to the net as discovered when testing the import for level A1.

This shows that the current data as stored by the tool is exported successfully to a log, and that the concept:name attributes as contained in the log match the current data as stored by the tool

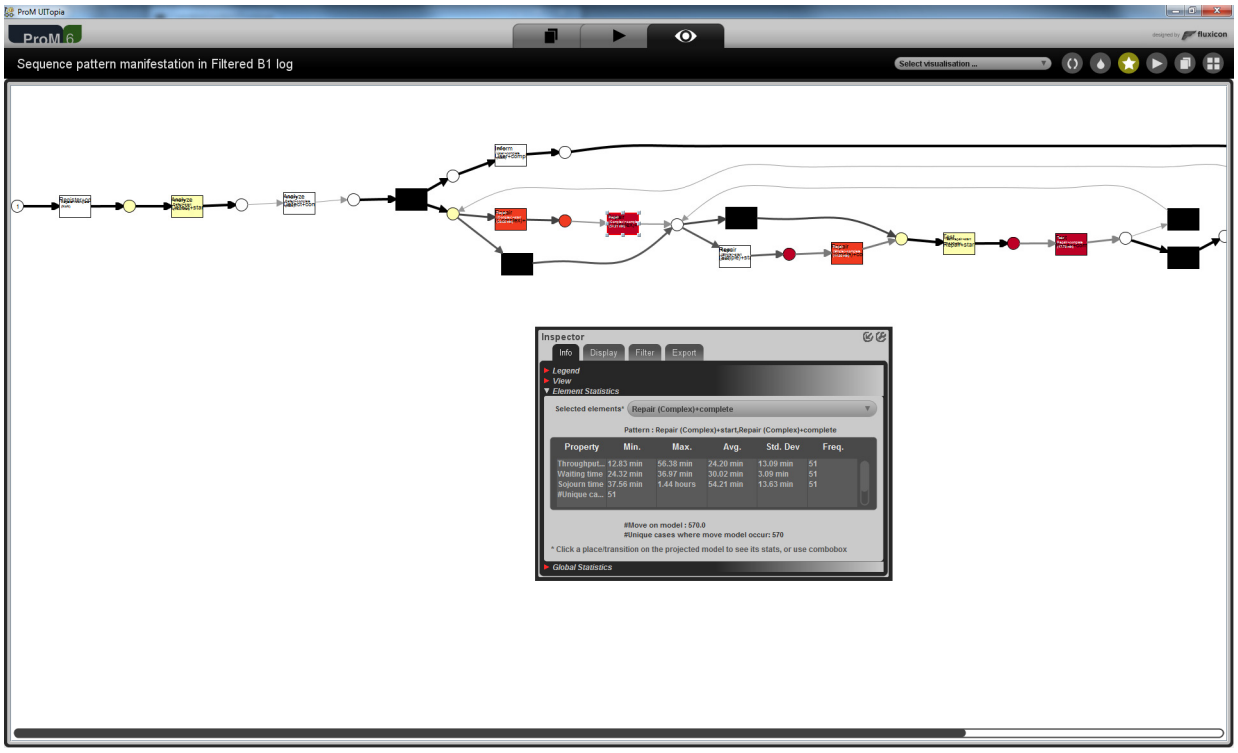
Level A2



This net is (except for the layout) identical to the net as discovered when testing the import for level A1.

This shows that the current data as stored by the tool is exported successfully to a log, and that the classifier as contained in the log matches the current data as stored by the tool

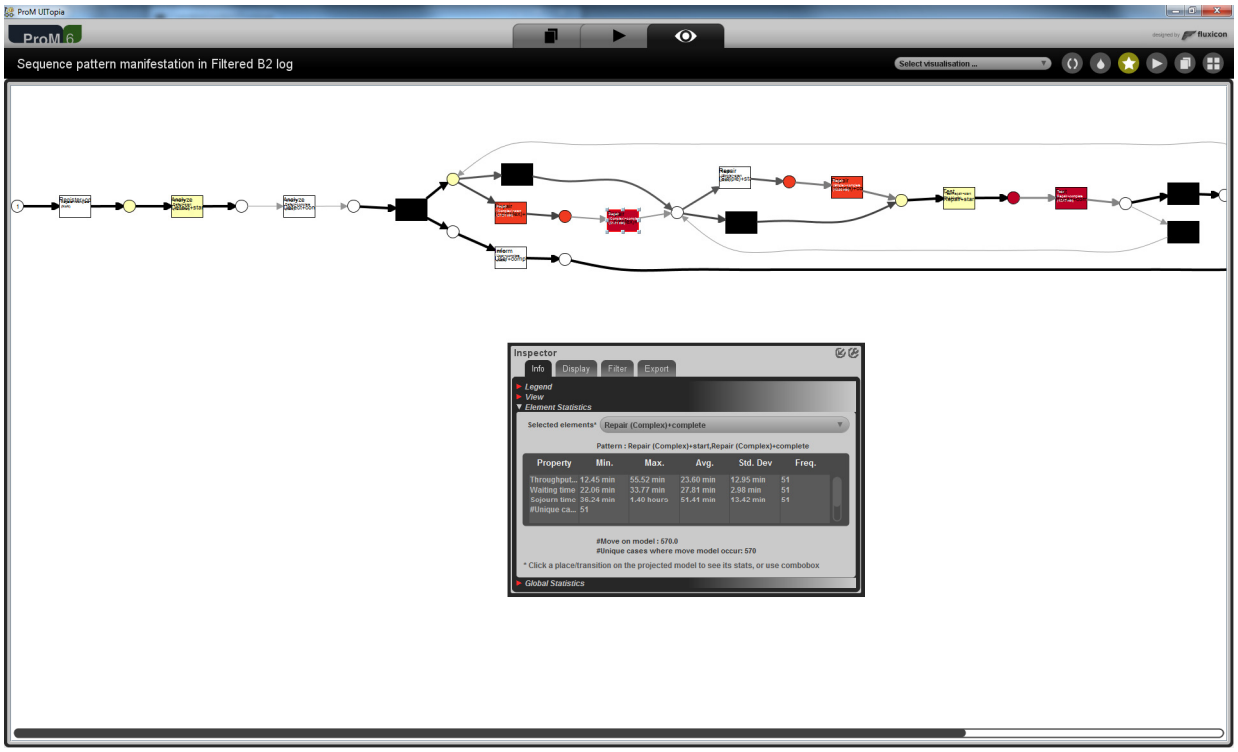
Level B1



The same (except for the layout of the net) results as with the imported log.

This shows that the current data as stored by the tool is exported successfully to a log, and that the concept:name, lifecycle:transition, and time:timestamp attributes as contained in the log match the current data as stored by the tool

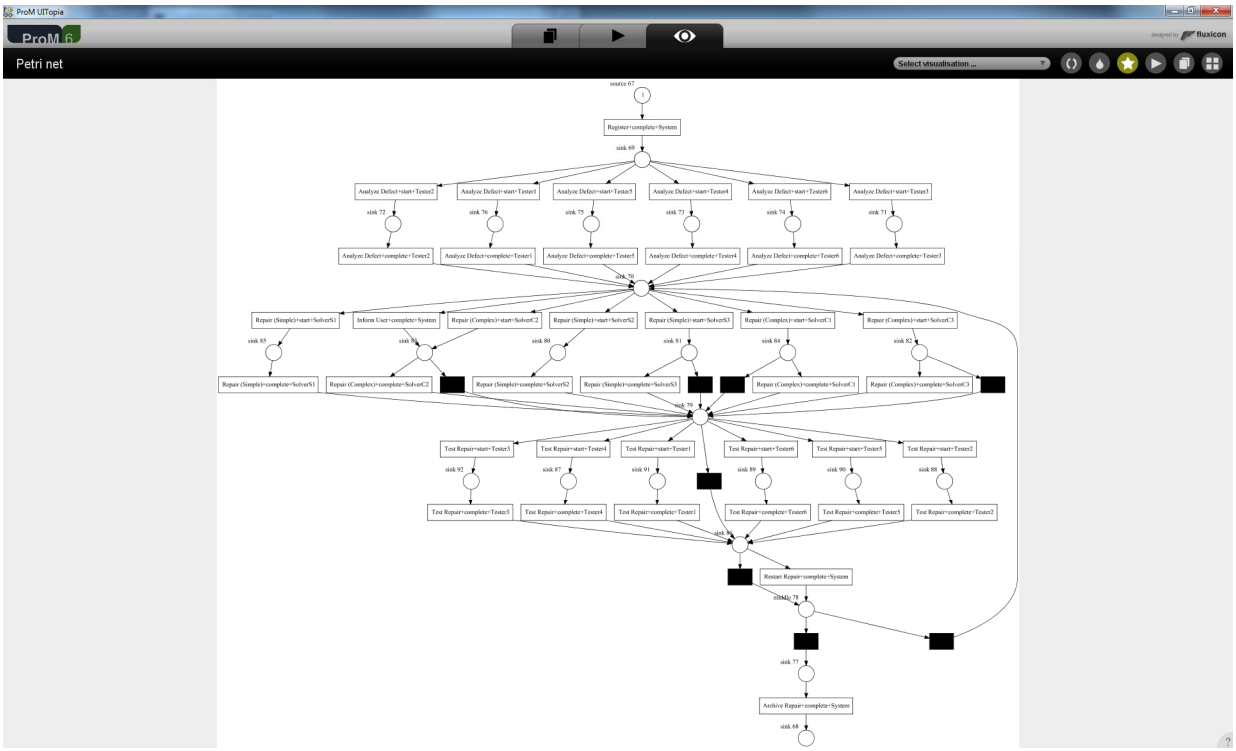
Level B2



The same (except for the layout of the net) results as with the imported log.

This shows that the current data as stored by the tool is exported successfully to a log, and that the classifier and the (lifecycle:transition and) time:timestamp attributes as contained in the log matches the current data as stored by the tool

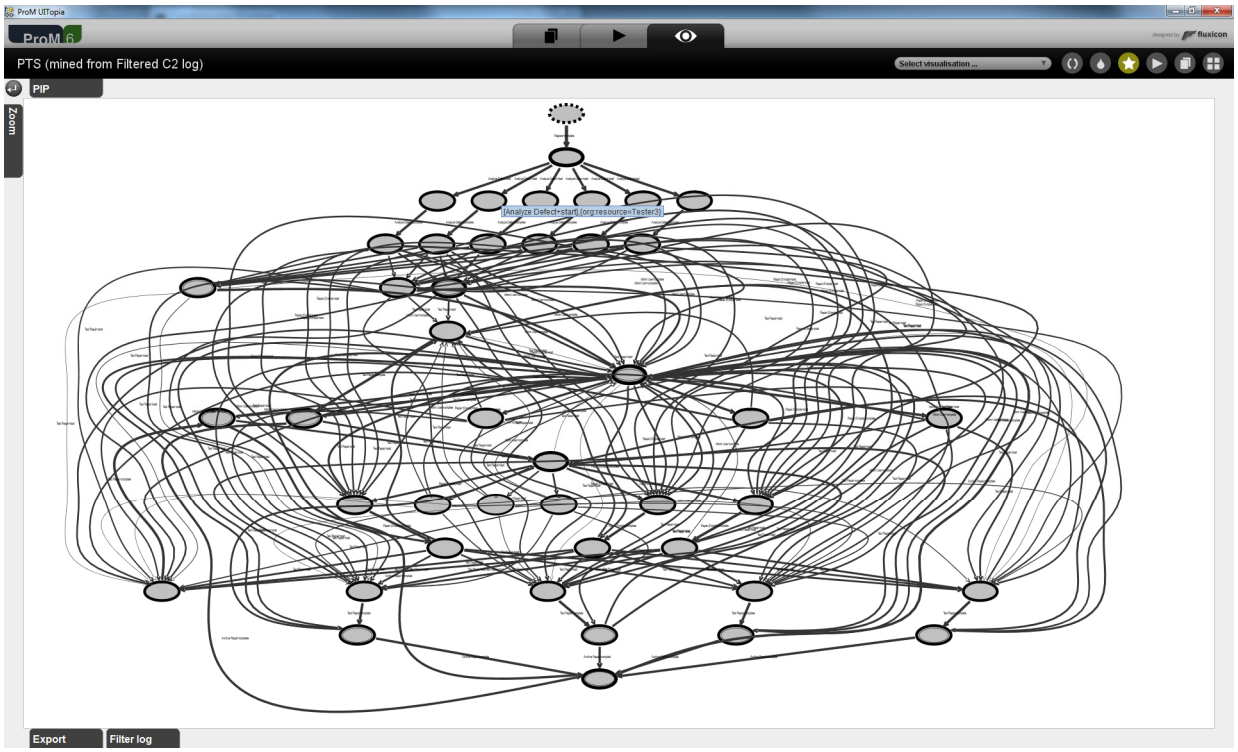
Level C1



The same (except for the layout of the net) results as with the imported log.

This shows that the current data as stored by the tool is exported successfully to a log, and that the concept:name and org:resource attributes as contained in the log match the current data as stored by the tool

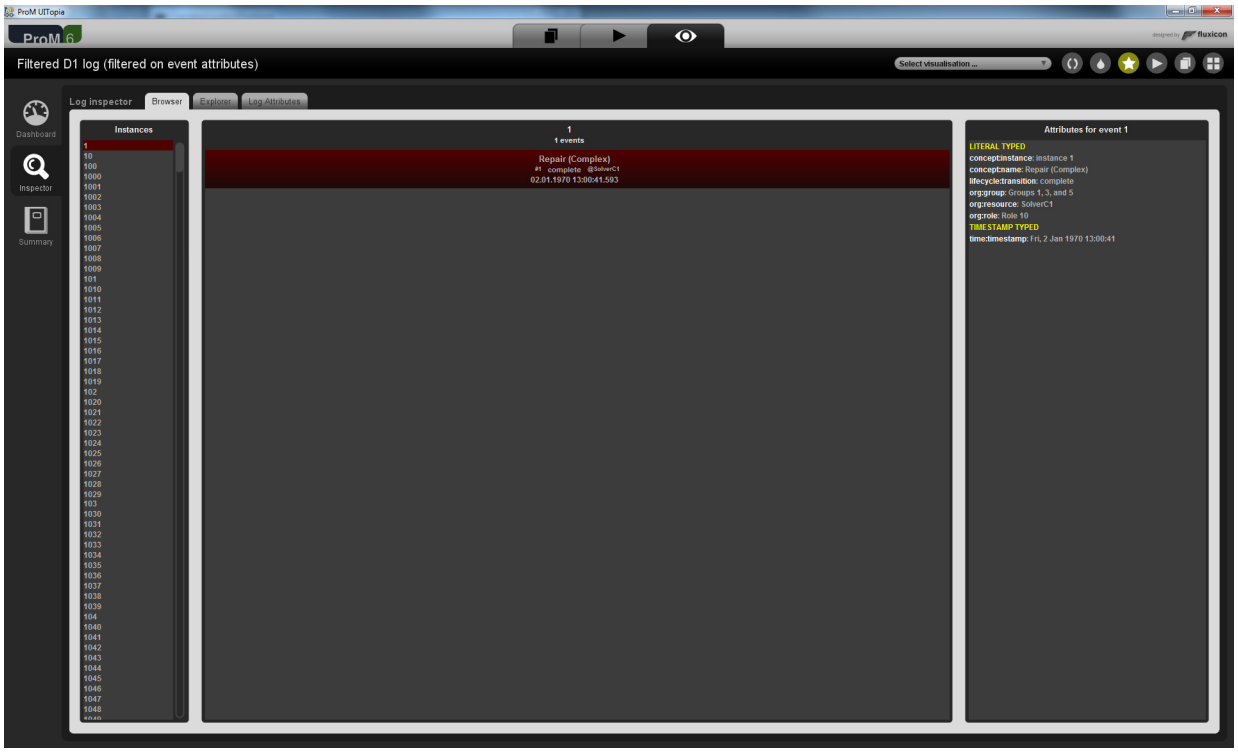
Level C2



The same (except for the layout of the transition system) results as with the imported log.

This shows that the current data as stored by the tool is exported successfully to a log, and that the classifier and the org:resource attributes as contained in the log matches the current data as stored by the tool

Level D1

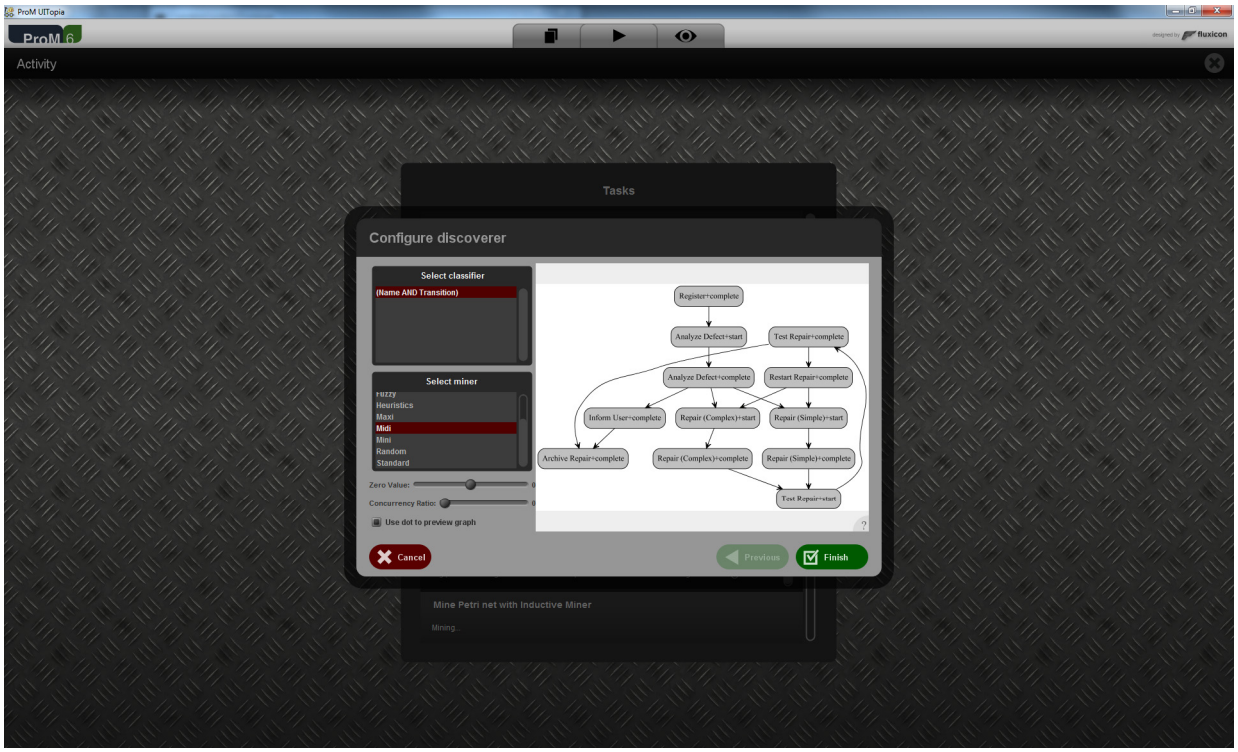


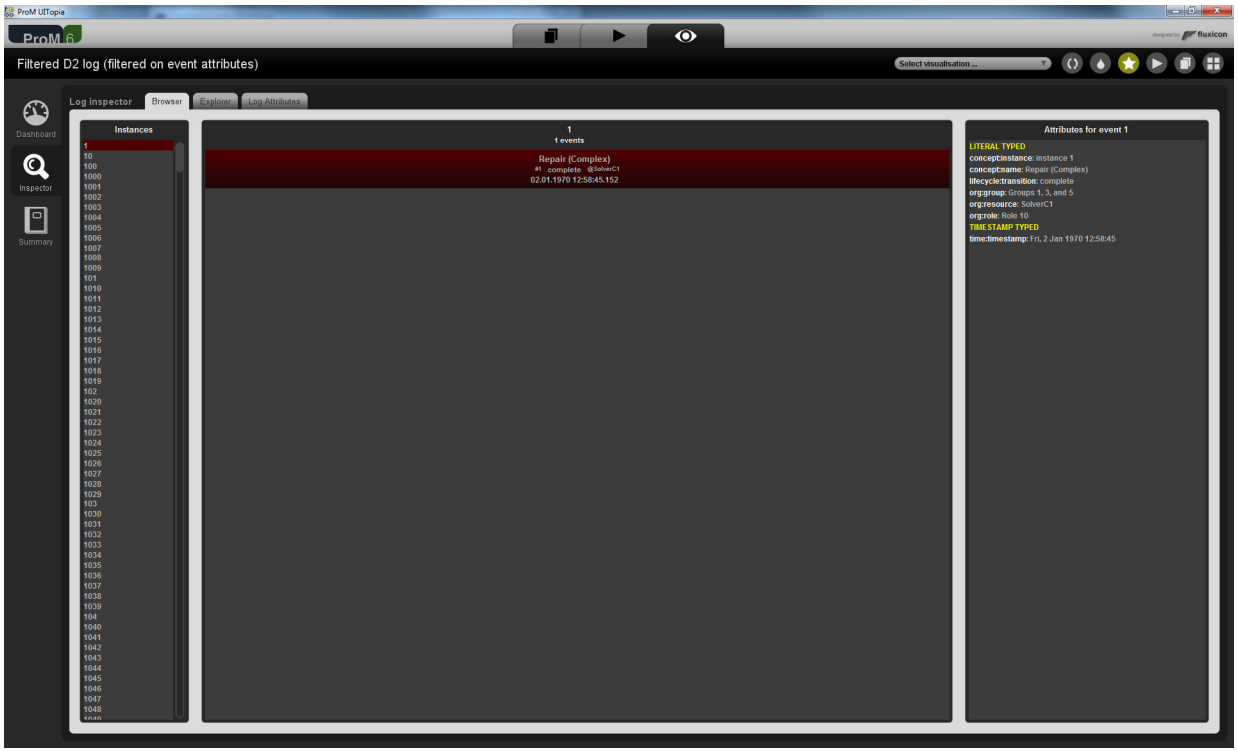
The same results as with the imported log.

This shows that the current data as stored by the tool is exported successfully to a log, and that all standard attributes as contained in the log match the current data as stored by the tool

Level D2

EXPORT

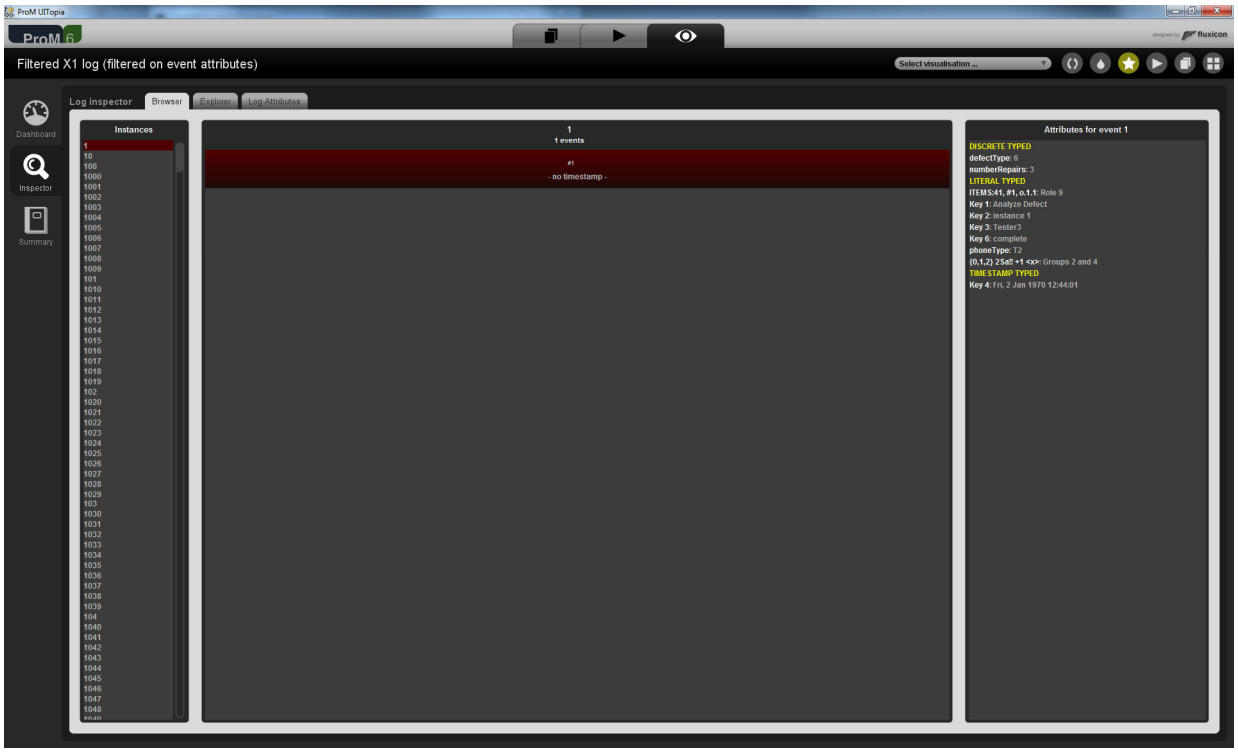

ProM UITopia
ProM 6
fluxicon
Activity
Tasks
Configure discoverer
Select classifier
(Name AND Transition)
Select miner
Fuzzy
Heuristics
Maxi
Midi
Mini
Random
Standard
Zero Value:
Concurrency Ratio:
Use dot to preview graph
Register+complete
Analyze Defect+start
Test Repair+complete
Analyze Defect+complete
Restart Repair+complete
Inform User+complete
Repair (Complex)+start
Repair (Simple)+start
Archive Repair+complete
Repair (Complex)+complete
Repair (Simple)+complete
Test Repair+start
Cancel
Previous
Finish
Mine Petri net with Inductive Miner
Mining...



The same results (except for layout) as with the imported log.

This shows that the current data as stored by the tool is exported successfully to a log, and that the classifier and all standard attributes as contained in the log matches the current data as stored by the tool

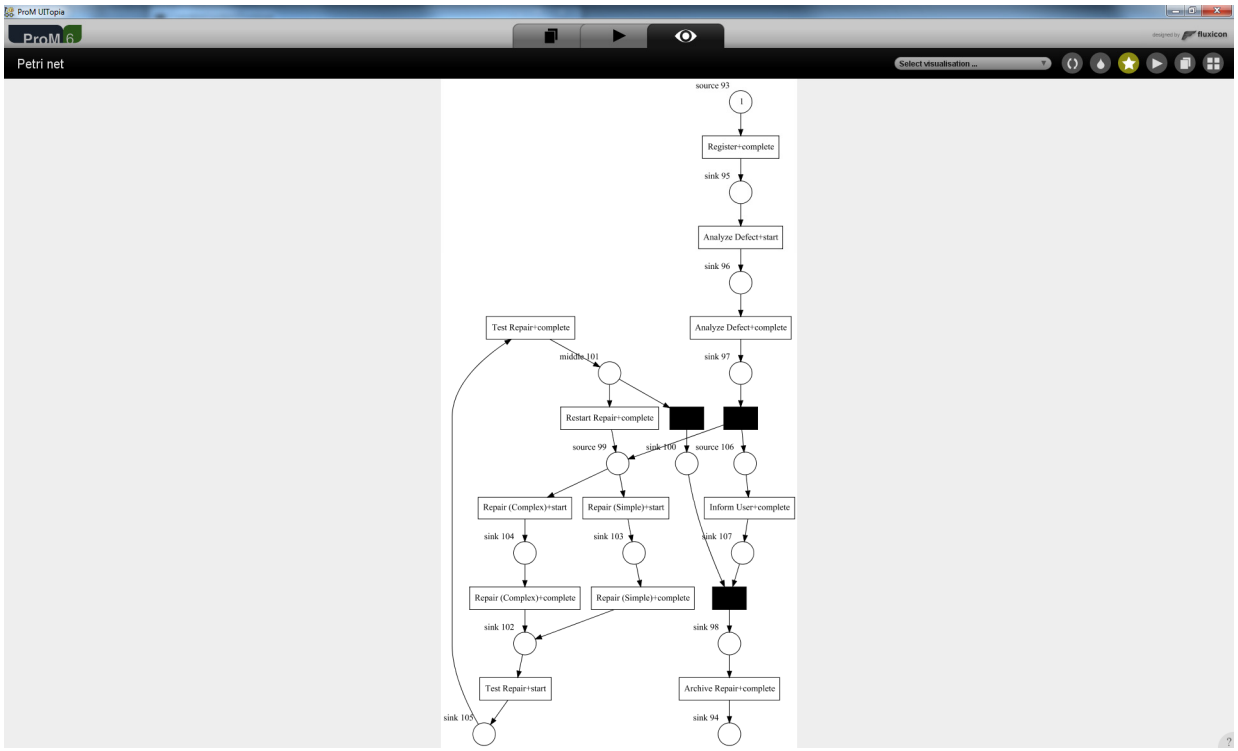
Flag X1



The same results as with the imported log.

This shows that the current data as stored by the tool is exported successfully to a log, and that all (standard or non-standard) attributes as contained in the log match the current data as stored by the tool

Flag X2

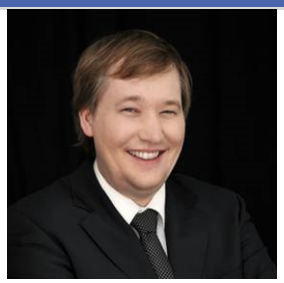
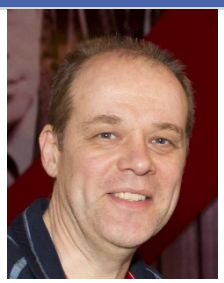


This shows that the classifier and classified attributes (Key 1 AND Key 6) contained in the log were exported correctly.

To show that all other attributes are also exported correctly, we can again use the log filter.

This shows that the current data as stored by the tool is exported successfully to a log, and that the classifier and all (standard or non-standard) attributes as contained in the log matches the current data as stored by the tool

Contact Information

WIL VAN DER AALST CHAIR	CHRISTIAN GÜNTHER VICE-CHAIR	ERIC VERBEEK SECRETARY
		
Tel +31 40 247 4295 w.m.p.v.d.aalst@tue.nl	**Tel** +31 64 1780680 christian@fluxicon.com	**Tel** +31 40 247 3755 h.m.w.verbeek@tue.nl

IEEE XES Working Group
IEEE Task Force on Process Mining
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