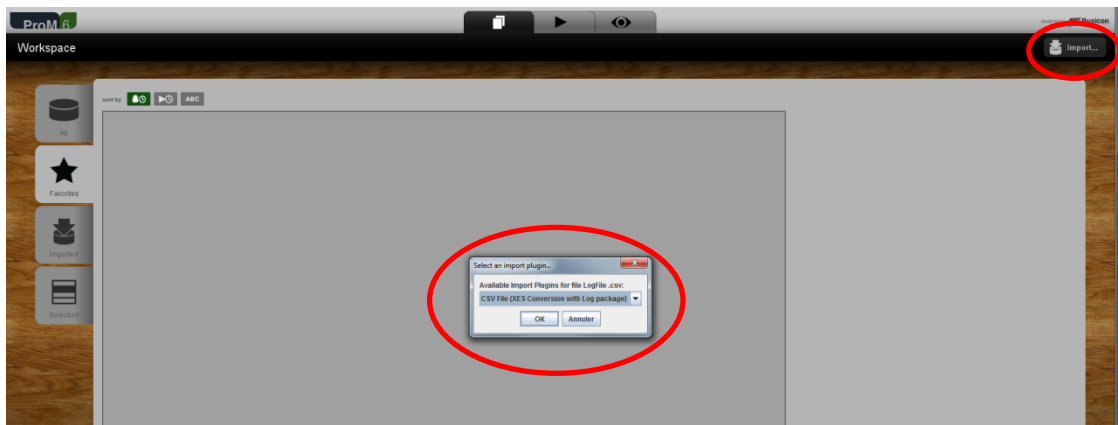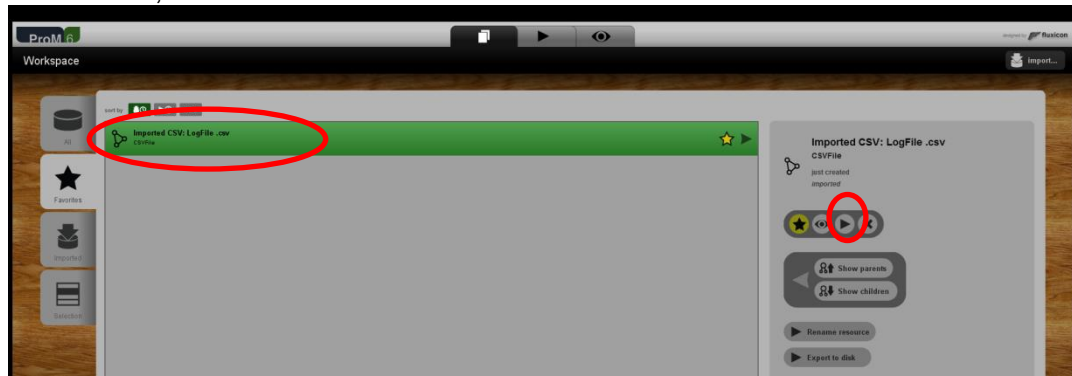Shujun HOU

User Guide of PROM

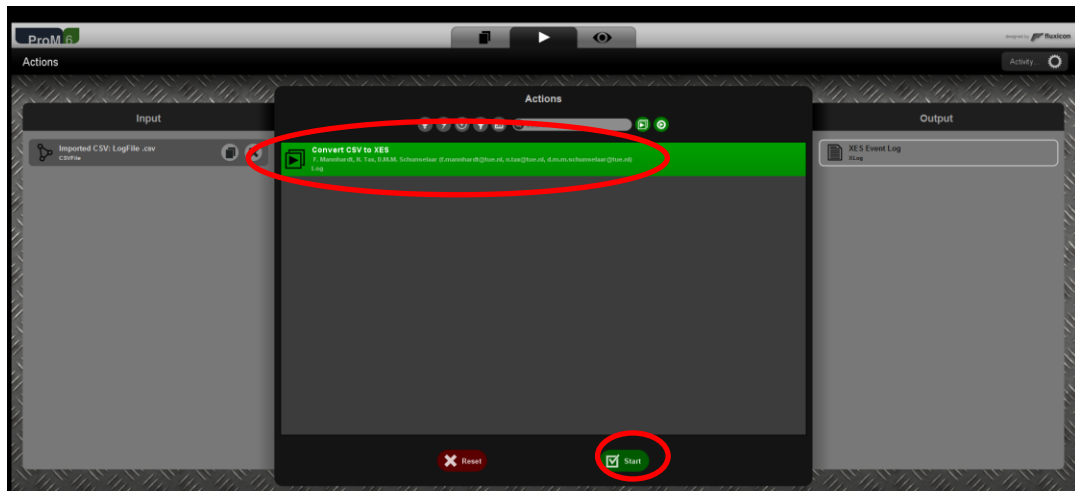## XES event log

1. Open the software pf ProM6
2. Import the logfile. Click the Import button which is in the top right of the interface. Then choose the file, and don not forget that select the import plugins for the file as CSV file.
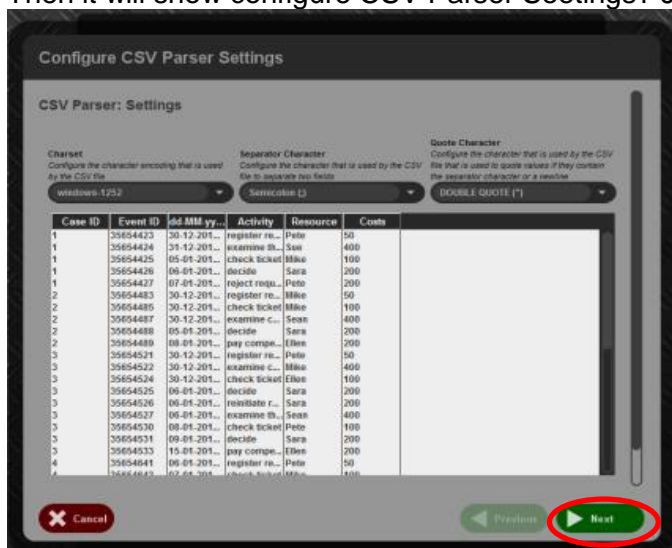

3. Then we can get the file. Click this file, and in the right of the interface, there has a start button, click it.
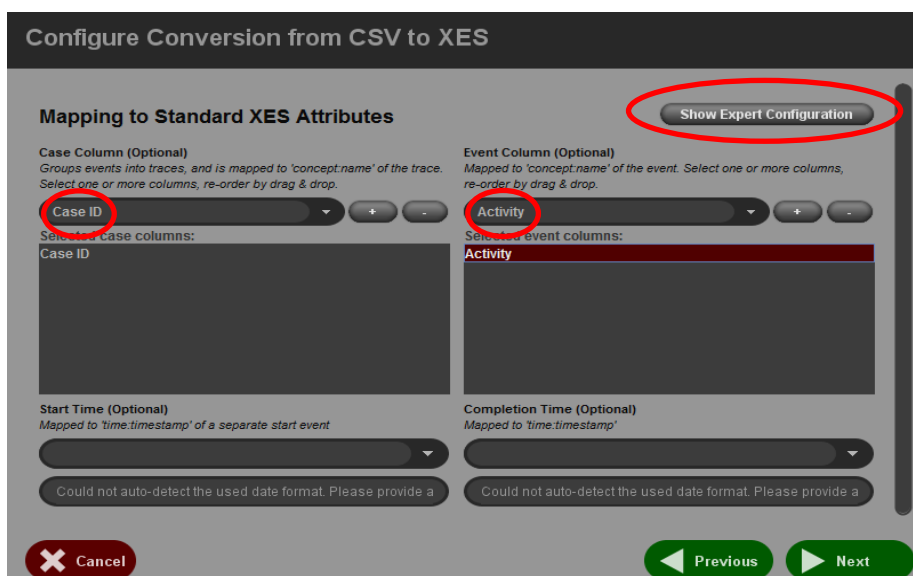

4. There is a file in the middle of the interface which is convert CSV to the XES, click it then it wiil show athe start button in the bottom, click it to convert file.

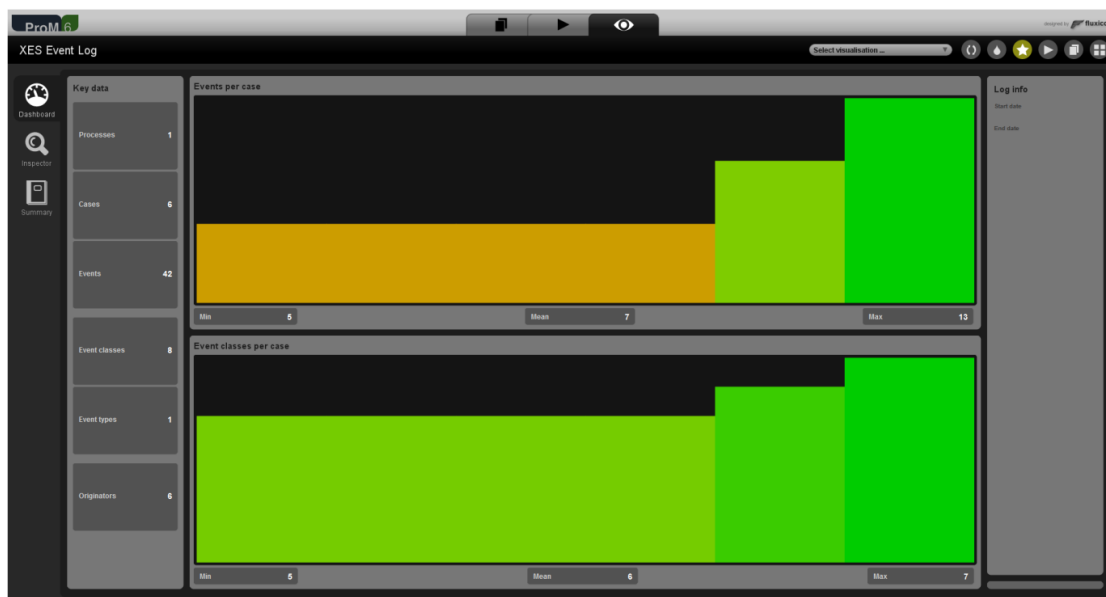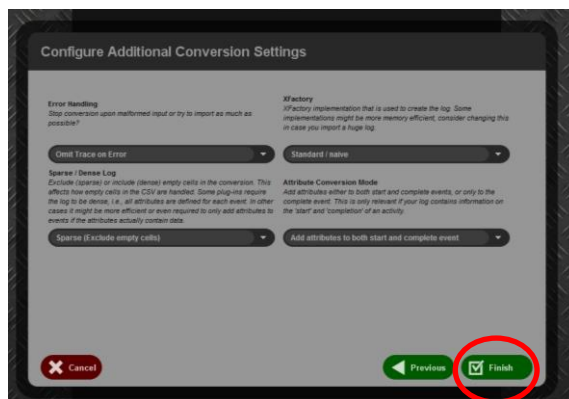5. Then it will show configure CSV Parser Seetings? Just click Next button to continue.

6. Then, for the Case Colume, choose Case ID. And for the Event Column, choose Activity.

Click the Show Export Configuration button, we can get follow table. In the column of LITERAL and XES Extension row, choose "org: resource". Go back previous setting page and click "Next".
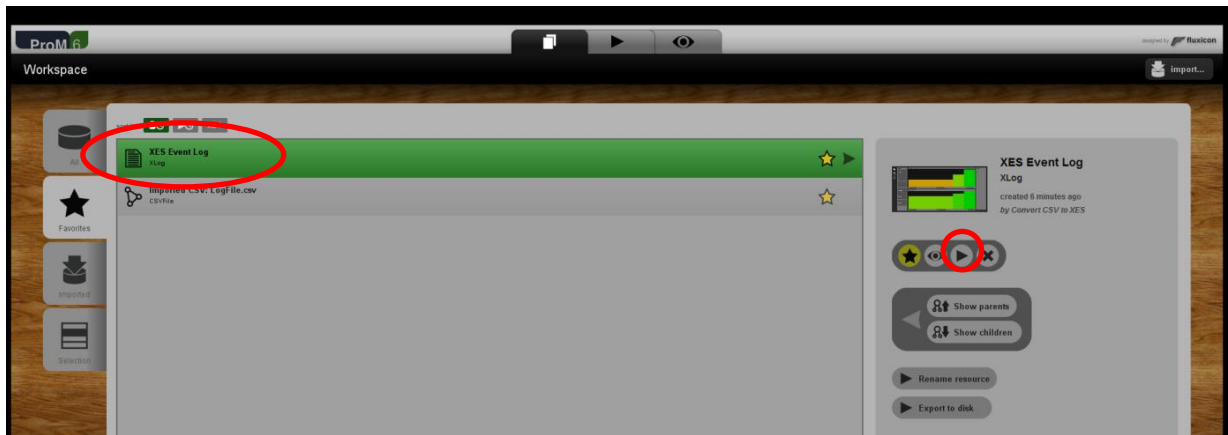
Data Type	LITERAL	DISCRETE	TIME	LITERAL	LITERAL	DISCRETE
Data Pattern			d-M-yyyy			
Trace Attribute	concept:name					
XES Extension				concept:name (C...	org:resource (C... ▼	
Event Attribute	Case ID	Event ID	dd-MM-yyyy:HH.mm	concept:name	org:resource	Costs

Case ID	Event ID	dd-MM-yyyy:HH.mm	Activity	Resource	Costs
1	35654423	30-12-2010:11.02	register request	Pete	50
1	35654424	31-12-2010:10.06	examine thoroughly	Sue	400
1	35654425	05-01-2011:15.12	check ticket	Mike	100
1	35654426	06-01-2011:11.18	decide	Sara	200
1	35654427	07-01-2011:14.24	reject request	Pete	200
2	35654483	30-12-2010:11.32	register request	Mike	50
2	35654485	30-12-2010:12.12	check ticket	Mike	100
2	35654487	30-12-2010:14.16	examine casually	Sean	400

7. Then it is the last step, just click the finish we can get the XES event log document, and it is showed in the following picture.
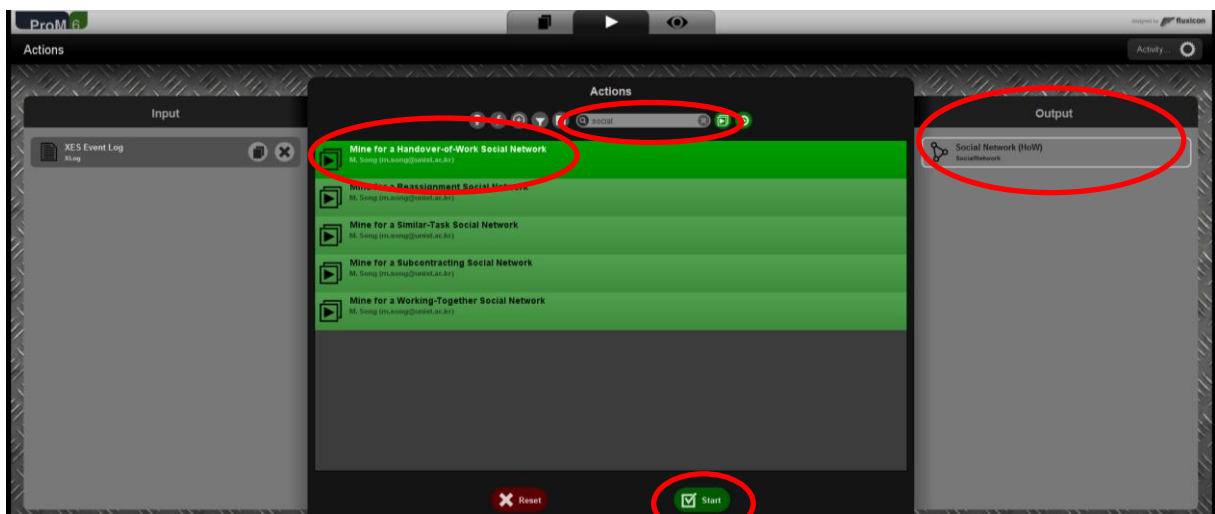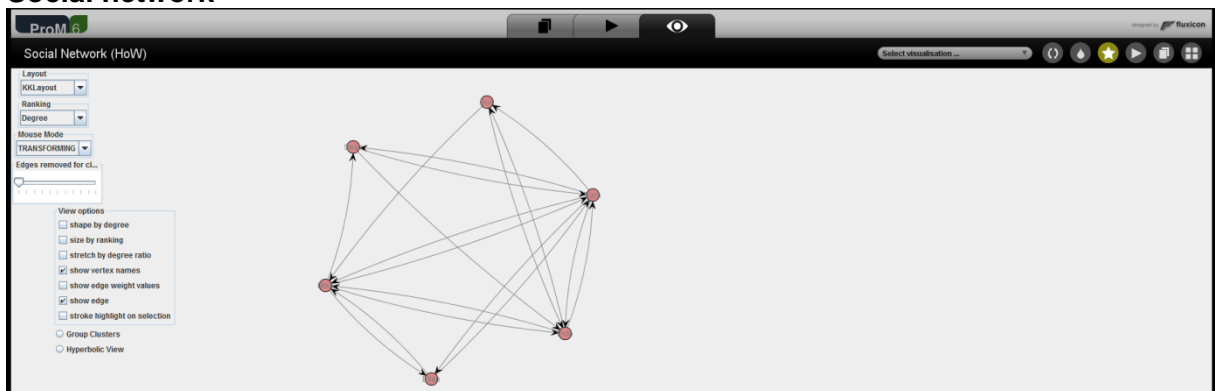

Social network

1. Choosing the XES event log document as input, click start.

2. Searching social network, so we can get a list of results. Click the first one in the list, we can get the output in the right. Click start, then click finish in the next step. So we can get the graph of social network which is shown in the following picture.
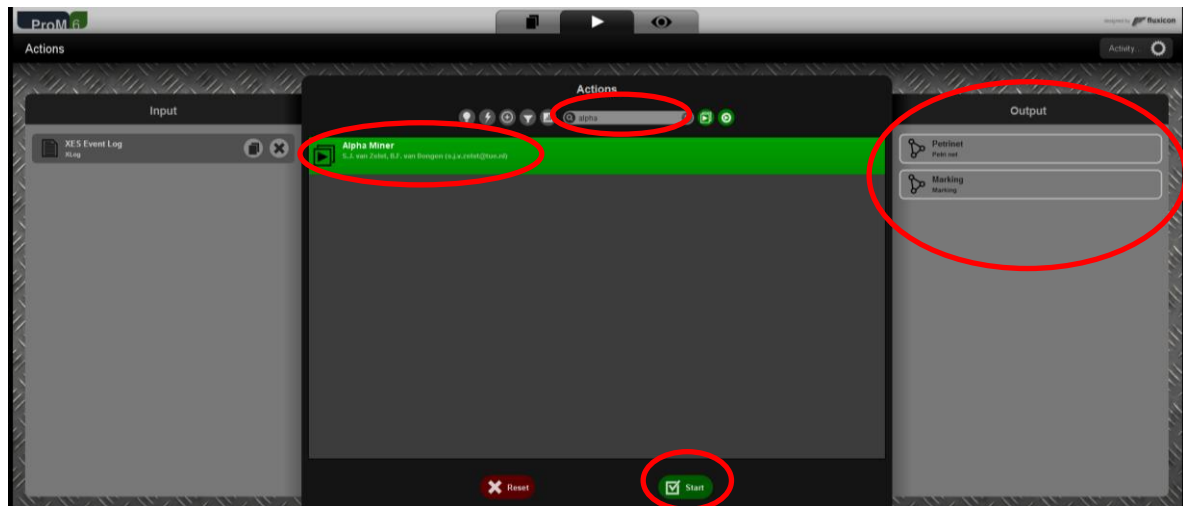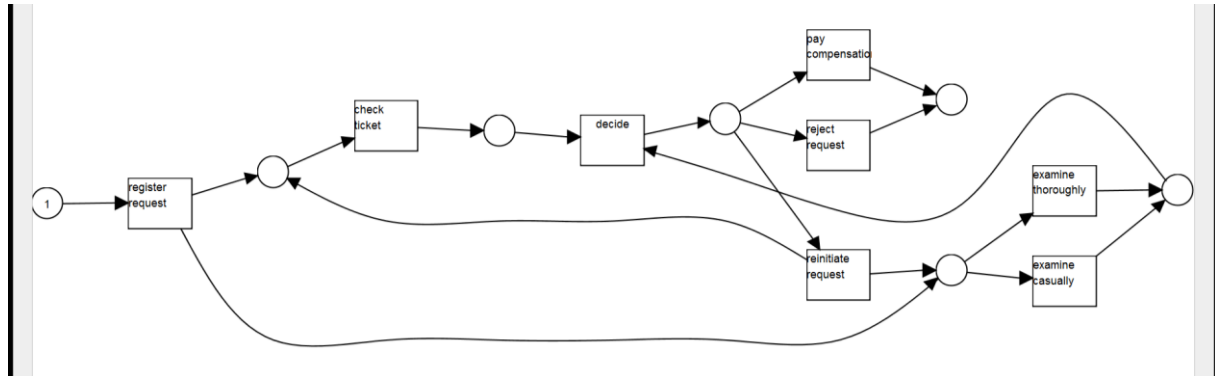

Social network

Petri net

1. It is same as social network. First, choosing the XES event log document as input, click start.
2. Searching alpha, there is only one result, click it, the output is shown in the right. Click start then click finish in the next step. So we can get the graph of petri net which is shown in the following picture.
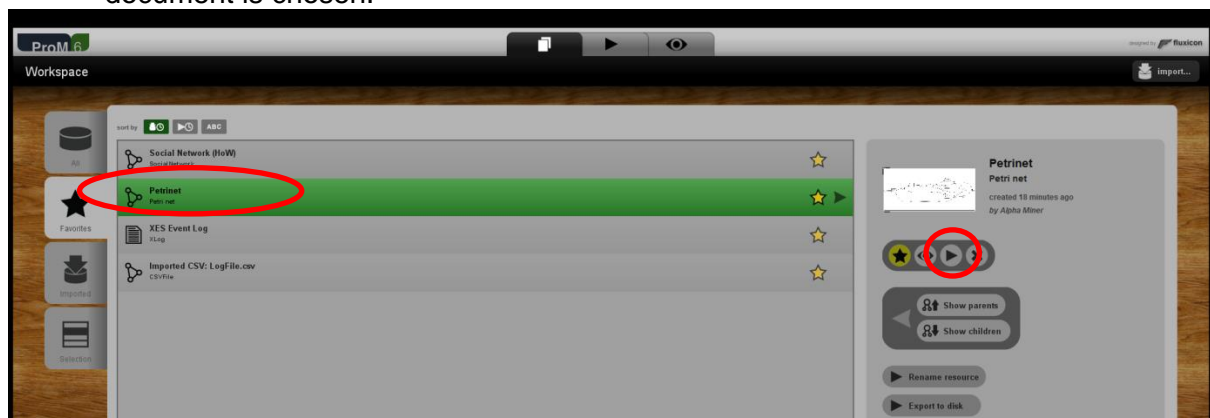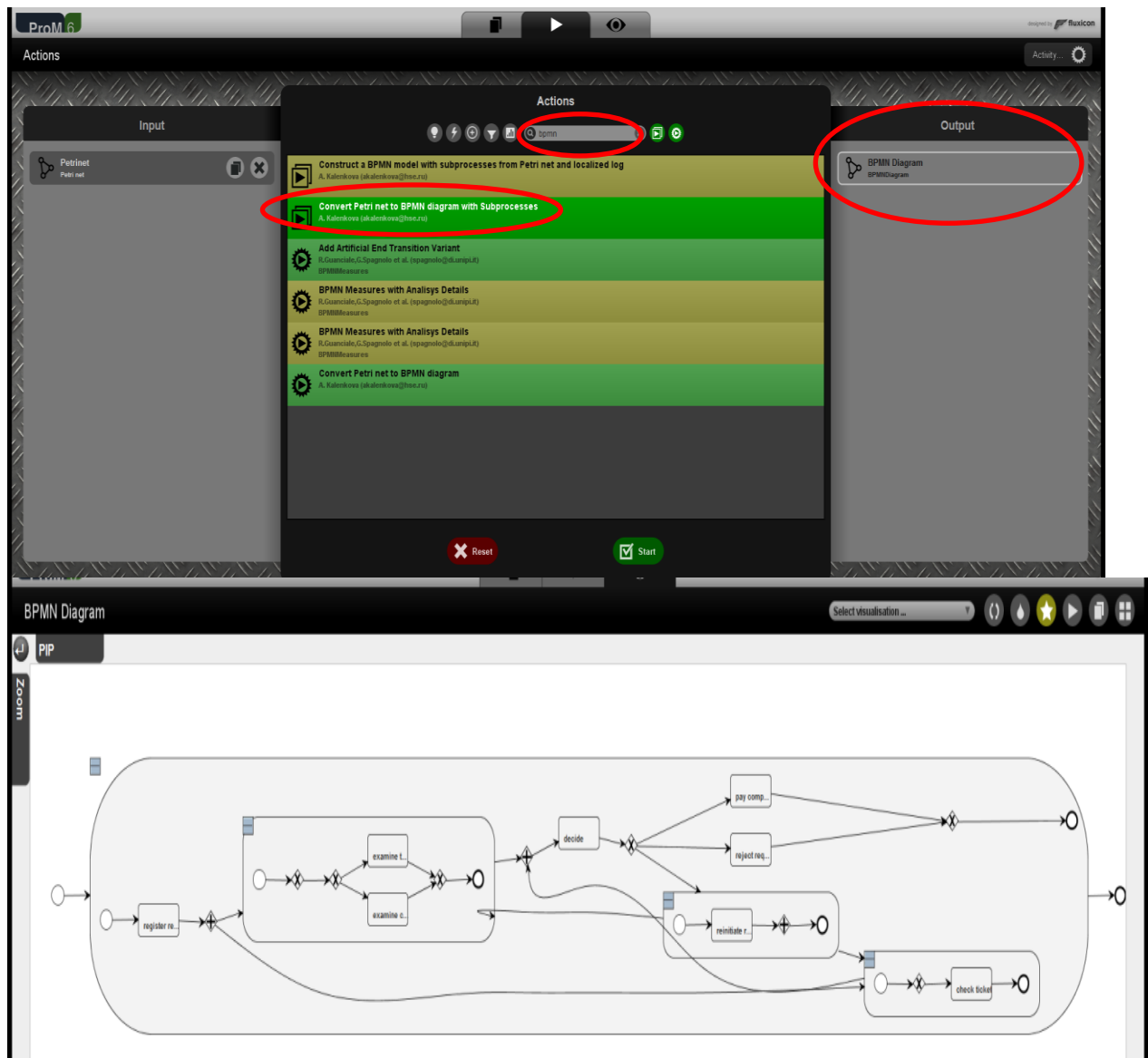
Petri net

BPMN Diagram

1. To get the BPMN diagram, first, the input document is changed, the Petri net document is chosen.

2. Then searching BPMN to get the list of results. In the list, the second document is chosen, click it, the output is shown in the right. Click start then click finish in the next step. So we can get the graph of BPMN which is shown in the following picture.

Export

And the end, if it is needed, we can export the result documents. Just click the document, and in the bottom of right line, there is a export to disk button. Click it and then can export the document in the place you want.