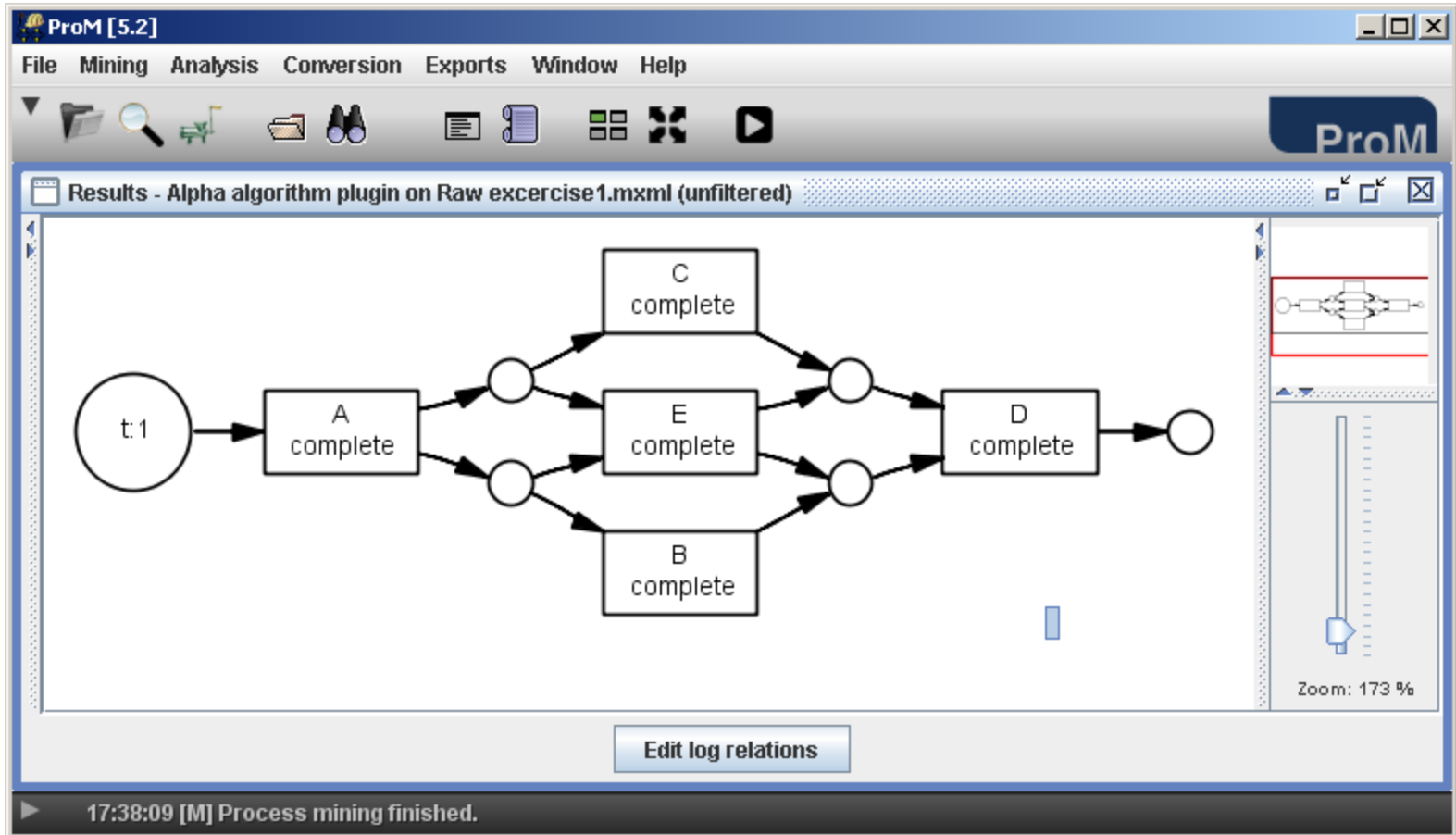
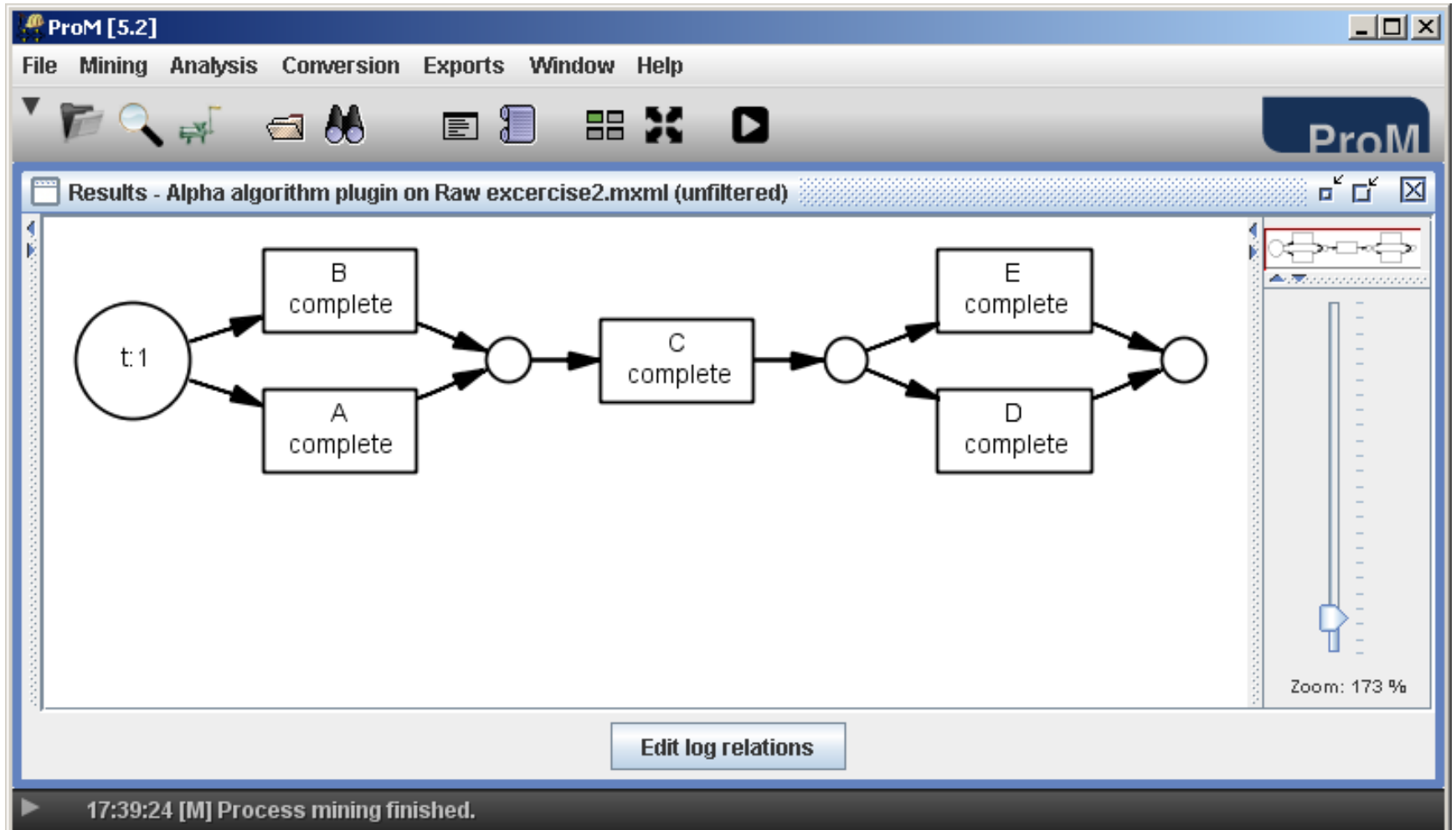


Exercise 1



Exercise 2



Exercise 3

The screenshot displays the ProM 5.2 interface. The main window shows the results of an Alpha algorithm plugin on a file named 'Raw exercise3.mxml'. The central visualization is a Petri net diagram representing a process flow. It starts with a transition 't:1' on the left, which leads to two parallel activities: 'A complete' and 'B complete'. From 'A complete', the flow goes to 'C complete' and 'D complete'. From 'B complete', it goes to 'D complete' and 'E complete'. 'C complete' and 'D complete' both lead to 'E complete'. 'E complete' and 'F complete' both lead to 'G complete'. Finally, 'G complete' leads to an end transition. The diagram includes several intermediate places (circles) and a zoom slider on the right set to 148%. A status bar at the bottom indicates '17:40:38 [M] Process mining finished.' and an 'Edit log relations' button is visible above it.

ProM [5.2]

File Mining Analysis Conversion Exports Window Help

Results - Alpha algorithm plugin on Raw exercise3.mxml (unfiltered)

t:1

A complete

B complete

C complete

D complete

E complete

F complete

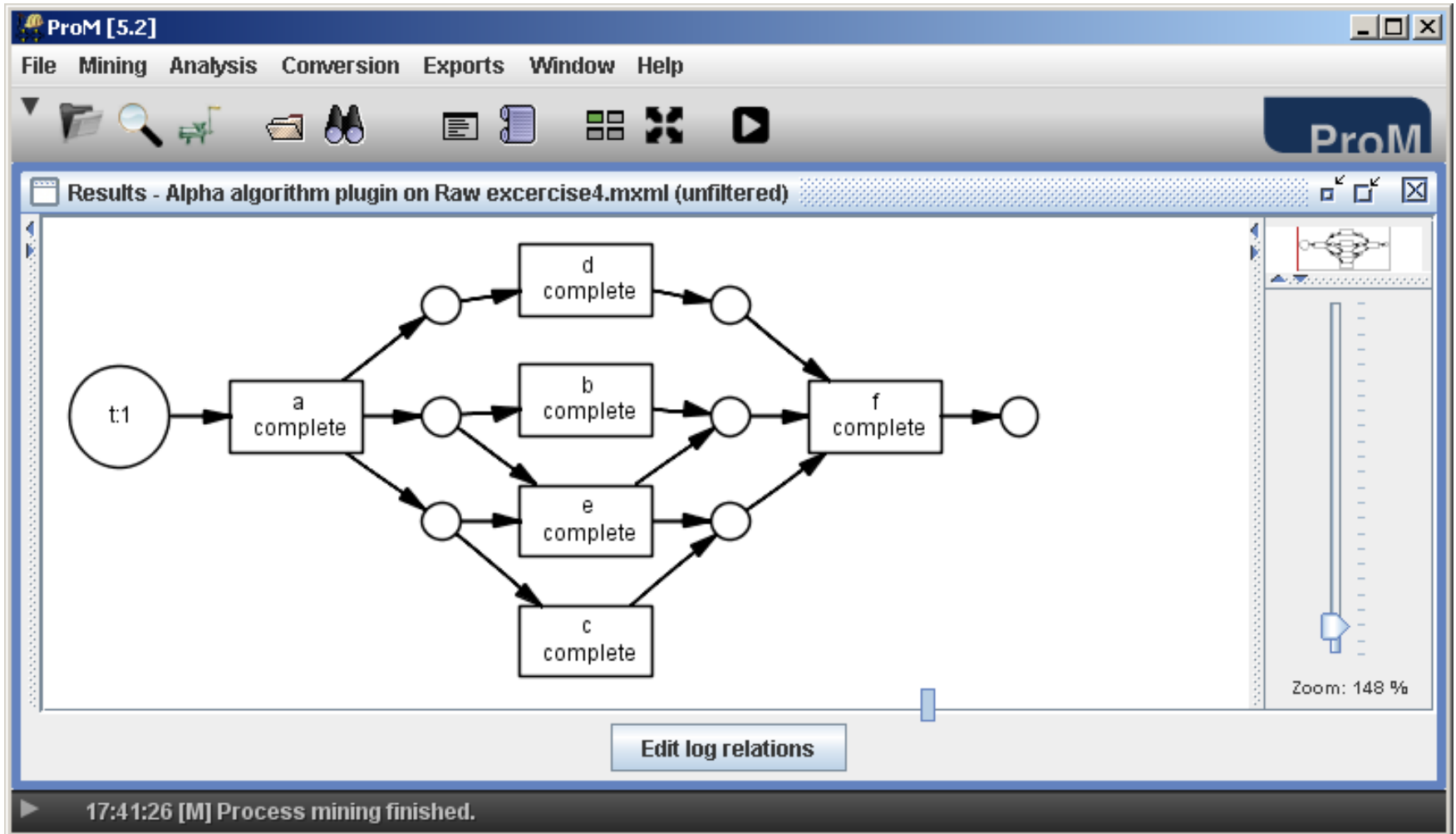
G complete

Edit log relations

Zoom: 148 %

17:40:38 [M] Process mining finished.

Exercise 4



Exercise 5

ProM [5.2]

File Mining Analysis Conversion Exports Window Help

Results - Alpha algorithm plugin on Raw exercise5.mxml (unfiltered)

```
graph LR; T1((t:1)) --> P1(( )); P1 --> A[a complete]; A --> P2(( )); P2 --> B[b complete]; P2 --> D[d complete]; B --> P3(( )); D --> P3; P3 --> E[e complete]; E --> P4(( )); P4 --> F[f complete]; P4 --> G[g complete]; F --> P5(( )); G --> P5; P5 --> P6(( ))
```

Edit log relations

Zoom: 111 %

17:43:28 [M] Process mining finished.

Exercise 6

ProM [5.2]

File Mining Analysis Conversion Exports Window Help

Results - Alpha algorithm plugin on Raw exercise6.mxml (unfiltered)

```
graph LR; t1((t1)) --> a[a complete]; a --> n1(( )); a --> n2(( )); n1 --> e[e complete]; e --> n3(( )); n3 --> f[f complete]; f --> n4(( )); n2 --> b[b complete]; b --> n5(( )); n5 --> c[c complete]; c --> n6(( )); n6 --> d[d complete]; d --> n2;
```

Edit log relations

Zoom: 146 %

17:44:14 [M] Process mining finished.

Exercise 7

ProM [5.2]

File Mining Analysis Conversion Exports Window Help

Results - Alpha algorithm plugin on Raw exercise7.mxml (unfiltered)

11

include witnesses

include witnesses start

include witnesses complete

include witnesses

get witness 2 complete

Event 2 complete

get witness 1 complete

Event 1 complete

called witnesses

called witnesses start

called witnesses complete

called witnesses

decide

decide start

decide complete

decide

include additional witnesses

include additional witnesses start

include additional witnesses complete

include additional witnesses

Event X complete

get witness X complete

Event X complete

reject

reject start

reject

reject complete

accept

accept start

accept

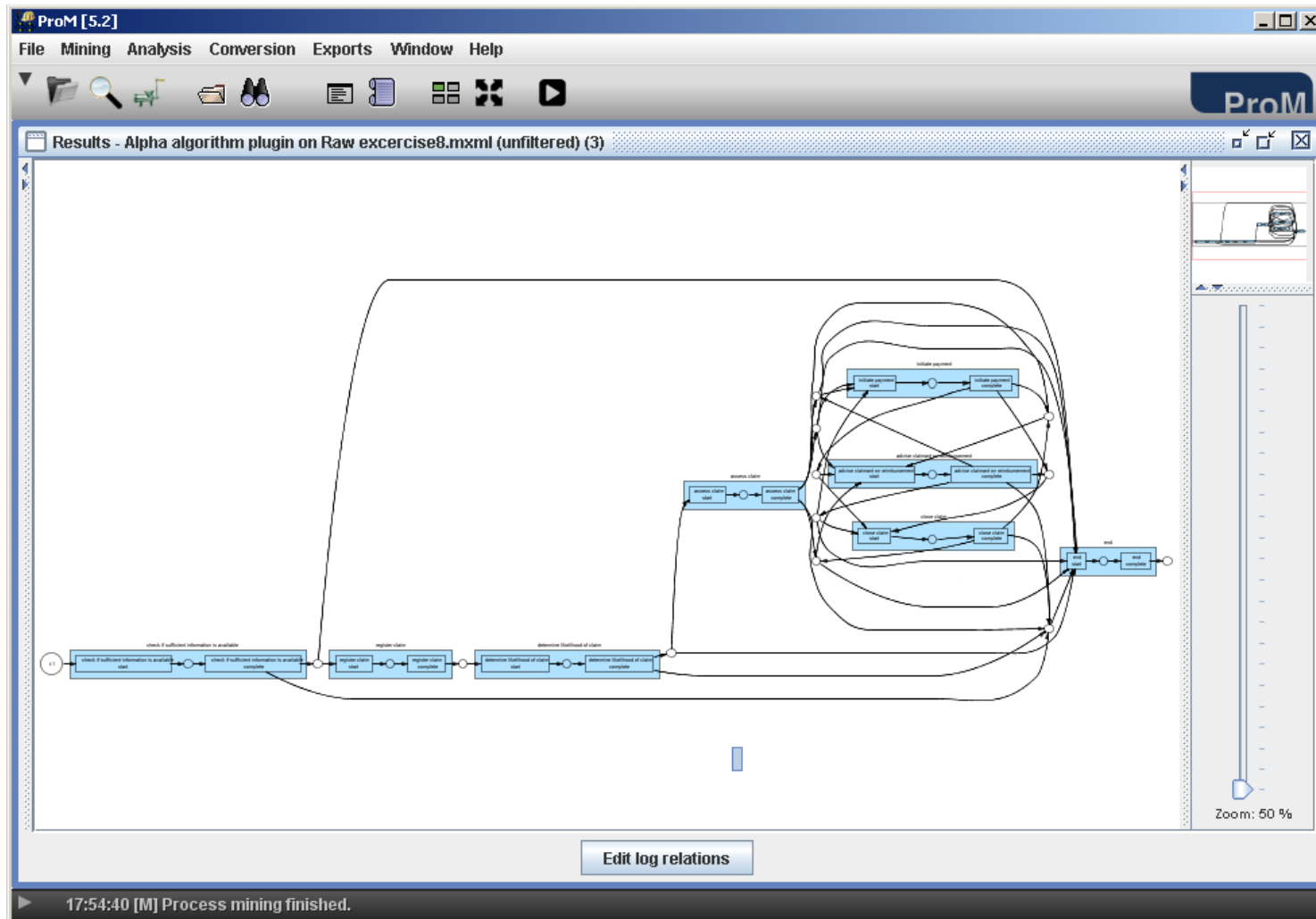
accept complete

Zoom: 54 %

Edit log relations

17:45:55 [M] Process mining finished.

Exercise 8



incorrect

Obtained via HM and conv.

