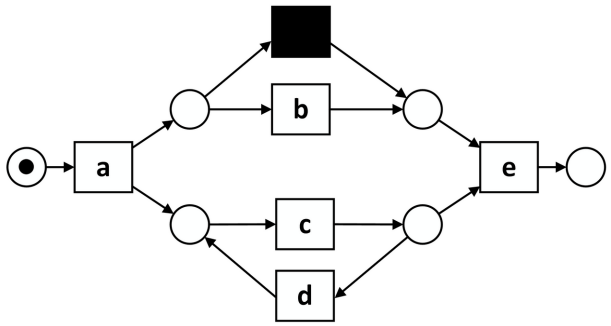
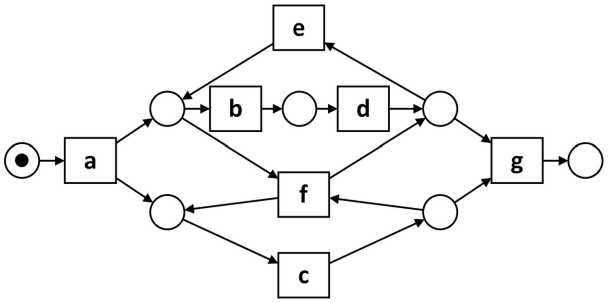
Recap 2.2.1: Discover Sophisticated Process Models

1. Consider the following Petri net model and select the correct statements.



- ☒ The number of traces that are allowed by this model is infinite.
- ☐ The trace $\langle a, b, c, d, e \rangle$ is allowed by the model.
- ☒ The trace $\langle a, c, d, c, b, d, c, e \rangle$ is allowed by the model.
- ☐ The shortest trace that is allowed by this model has a length of 4.
- ☒ A complete trace always starts with activity a and ends with activity e .

2. Consider the following Petri net model and select the correct statements.



Draw a directly-follows graph for each of the event logs. Which of them shows the weakness of illustrating concurrency.

- ☐ After executing a,b,c,d activities g, f, or e can occur.
- ☒ The trace $\langle a, c, f, c, g \rangle$ is allowed by the model.
- ☐ The trace $\langle a, b, c, d, e, b, d, c, g \rangle$is allowed by the model.