

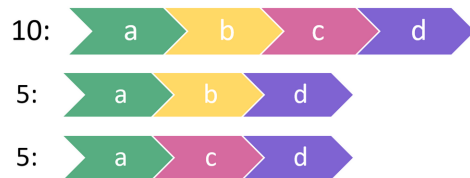
Recap 2.1.2: Process Discovery and Directly-Follows Graphs (DFG)

1. Which of the following statements are correct?

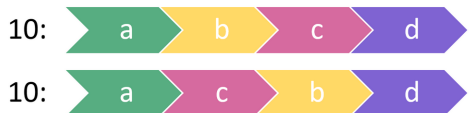
- ☐ After applying arc-based filtering on a DFG, the frequencies of a node always match the add-up frequencies of the node's outgoing arcs.
- ☒ There are three types of filtering techniques, which are activity-based, arc-based, variant-based filtering.
- ☐ One cannot combine different kinds of filtering techniques for DFGs.
- ☒ Hidden activities might influence directly-follows frequency.
- ☒ DFGs cannot capture concurrency.

2. Consider the following event logs:

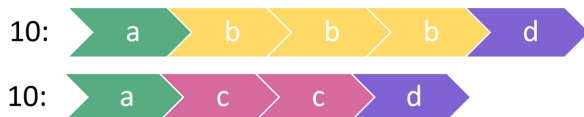
Event log 1:



Event log 2:



Event log 3:



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

- ☐ Event log 1
- ☒ Event log 2
- ☐ Event log 3

