Consider the following workflow log (given as a multi-set):
\[ L = [ABCD^{322}, ABCBCD^{112}, AEFHID^{13}, AEGI^{41}, AEGID^{197}, ABGI^{26}] \]
For log \( L \), the following dependency graph has been derived.

a) Determine the significance for each task and each direct successor relation pair based on their frequency in \( L \).

b) Assume a significance threshold of 71 (10% of the cases) has been chosen to filter edges. Decide which edges would be candidates for filtering and which of them would actually be filtered according to the method of the Fuzzy Miner.

c) Assume that the following sets of tasks are highly correlated: \{B,C\}, \{A,E,G\}, \{F,H\}, \{D,J\}. Conduct aggregation and abstraction with a significance threshold of 71 (10% of the cases). Which of the tasks would be treated as “victims”? Would these tasks be abstracted or aggregated and how would the resulting graph look like?

**TASK 5.2**

Consider the following WF-net system. Decide whether it can be represented as a Process Tree and if so, specify the respective Process Tree.