**CSCI427/CSCI927 Service-Oriented Software Engineering**

**Tutorial/Workshop – Week 10**

*This week’s tutorial will focus on learning process mining algorithms.*

1. Go through the slide deck “alpha-process-mining-algorithm” on the folder.
2. Consider the following log in a service system:

Case 1 A

Case 2 A

Case 2 B

Case 1 B

Case 2 D

Case 2 F

Case 1 D

Case 2 E

Case 2 K

Case 3 A

Case 3 C

Case 3 D

Case 3 E

Case 3 F

Case 1 E

Case 4 A

Case 4 C

Case 4 D

Case 1 F

Case 4 F

Case 3 K

Case 4 E

Case 1 K

Case 4 K

Apply the Alpha algorithm (α-algorithm) to mine the process model from this log. Clearly show the steps involved.