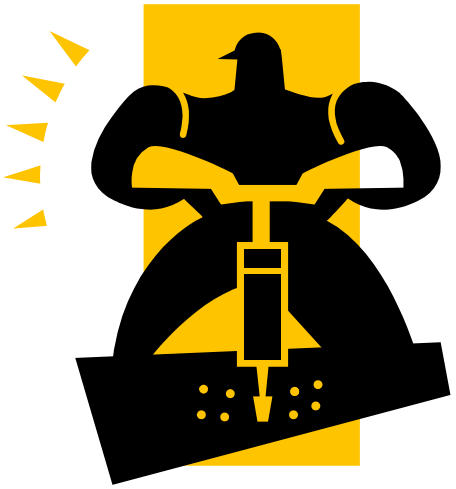

HW2-Sequential Pattern Mining

2024/3/13-2024/3/20

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HW2

- Please implement a Sequential Pattern Mining Algorithm
- The min_sup is defined by user
- In your program, do not only show the results on the screen. Please output results in a output file
- Please upload your code, executable, and output result
  - If you use C/C++, JAVA, or Python, you do not need to upload the executable

Input database

- The first number of each sequence is the sequence ID
- The pair of number such as 11 166 is the transaction time and the item ID. Transaction time just shows the order of transactions.
- Example database:
- 1 11 166 11 4103 11 8715 24 4103 24 8715 36 166 36 3704 36 6568 36 8375 36 8715 51 166 51 9406
- 2 66 2404 66 5954 66 6282 90 2404 90 5954 90 6282 109 2404 109 3203

- The first sequence can be transfer to the following format
  - (166 4103 8715) (4103 8715)(166 3704 6568 8375 8715)(166 9406)

Output example

- 9126 -1 7088 9126 -1 SUP: 187
  - The numbers are the items.
  - In this example, -1 is used to distinguish the different time pattern in a sequence. You can use any symbol like (), ||, to replace it.