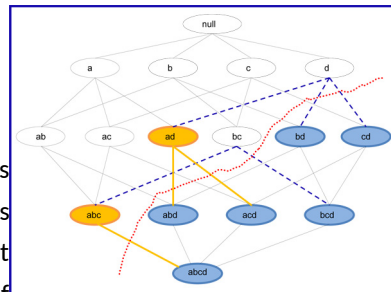


Frequent Pattern Mining

Maximum Frequent Itemset¹

An itemset is MFI if none of its supersets are frequent itemsets. In figure 1, **ad** and **abc** are MFI, because none of their supersets are frequent itemsets.

Figure 1



Closed Frequent Itemset²

A closed frequent itemset is where all of an itemset's supersets has a frequency that are lower than the frequency of the current itemset. In figure 2 itemset **a**, **c**, **cd** and **abd** are CFI (Closed Frequent Itemsets).

Figure 2

Apriori

Threshold:

2

Items:

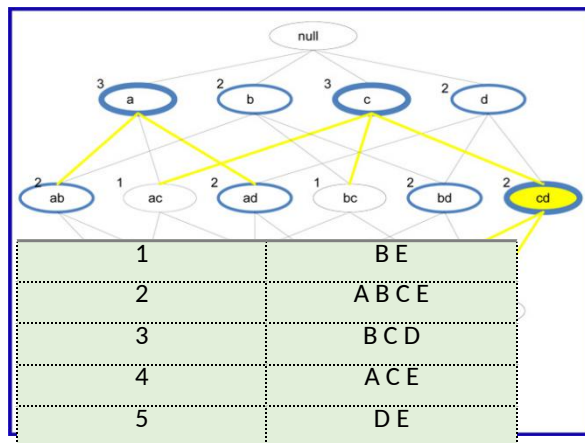
A

B

C

D

E



C1

A	2
B	3
C	3
D	2
E	4

C2

AB	1
AC	2
AE	2
BC	2
BD	1
BE	2
DE	1

¹

http://www.hypertextbookshop.com/daminingbook/public_version/contents/chapters/chapter002/section004/blue/page001.html

²

http://www.hypertextbookshop.com/daminingbook/public_version/contents/chapters/chapter002/section004/blue/page002.html

C3

ABC	1
ABE	1
ACE	2
BCD	1

C4

ABCE	1
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