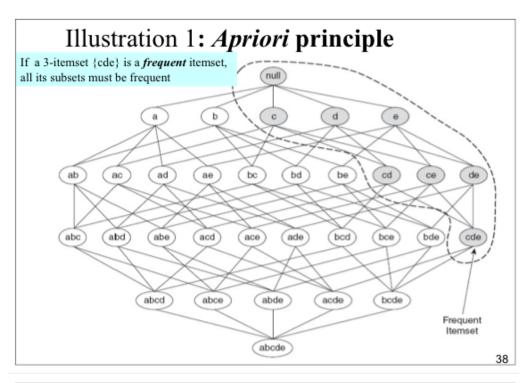
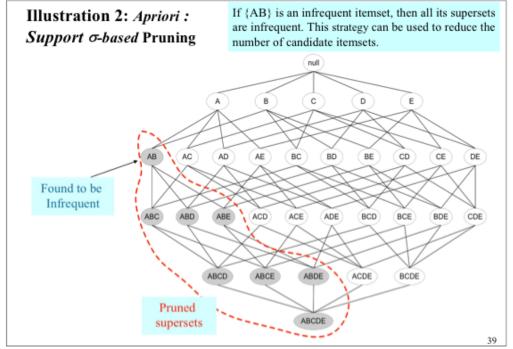
目的: 找到 frequent itemset

De果一个 itemset 是 frequent, 那么其 subset 心为 frequent c, d, e 为 frequent 则 c, d, e 组成 in 3 节点也为 frequent by to 是一个 itemset是 in frequent, 那么包含 其 in 以为 infrequent ab为 infrequent 则 ab引出证所有子节点都为 infrequent





Database TDB

Tid	Items
10	A, C, D
20	B, C, E
30	A, B, C, E
40	B, E

min	sup	7	2
, ,	- p		

AC

BC

(3E

CE

2

3

2

Example 1(a)

Consider the following transaction dataset, where each letter represents an

item.

TID	Items Bought
1	N, E, W
2	N, O, W
3	W, E
4	O, N, E
5	O, W, N
6	G, O

- (a) Assume that the minimum support is 30%. Use the Apriori algorithm to find all the frequent itemsets in the dataset.
- (b) Give two association rules which have a minimum confidence of 60%.

NEO / 2

NWO 2

(b)
$$NW \rightarrow 0$$
 $conf = \frac{2}{3}$
 $ND \rightarrow w$ $conf = \frac{2}{3}$

$$ND \rightarrow w \quad conf = \frac{2}{3}$$