FP-Growth New:

Goal: reduce FP-growth from 2-TDB scans to one

a,c,d b,c,e +3 a,b,c,e

mirap= 2

Step 1: Scan TDB & represent it as a liee

Scan +1:

nul a:1

C: 1

Scan-12:

null

d:1

Scan +3:

C:1 b:1 C:1

C:1 C:1

5can +4! a:2 b:1 C:1 C:

Step 2' Scan new tree & sum occurrences of items

tem/occurence table

a 2
b 3
C 3
des not meet minsup requirement
e 3

Step 3: Order item/occurence table in frequency descending order

item occurence table

b 3 c 3 e 3 Step 4: For cach path in REP-tree, Sort in order of item/accurence table & construct FP-tree

L> Path 1 = a-c-d becomes c-a

FP-tree

mul C: 1 1 a: 1

Path 2 = a-b-c-e becomes b-c-e-a

FP-tree

null

C:1 b:1

A:1 C:1

e:1

a.1

Path 3: b-c-e becomes b-c-e

FP-tree

null

C:1 6:2

1 C:2

1 e:2

1 a:1

Path 4= b-e becomes b-e

FP-tree

null

C:1 b:3

1 1

a:1 c:2 e:1

e:2

a.1

Step 5: Pass FP-tree to all from class to mine patterns