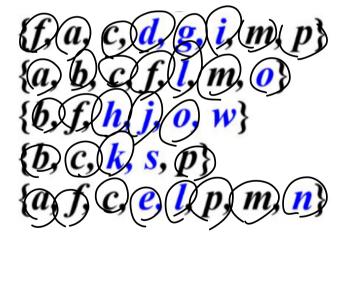
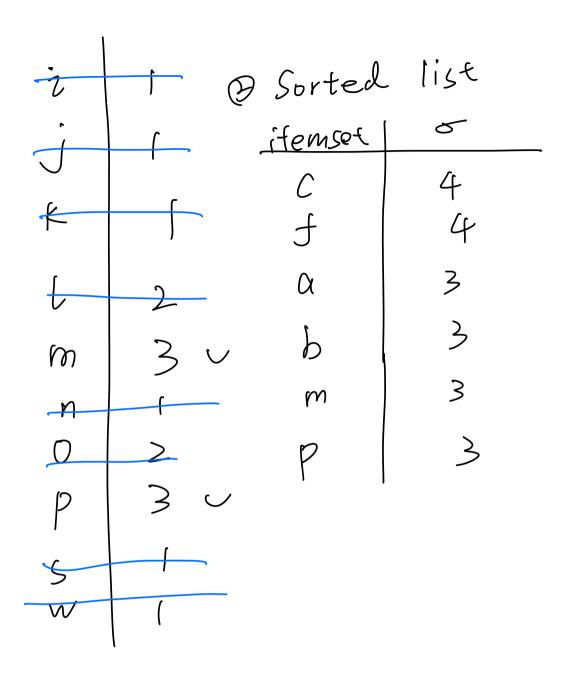
4.2.5.2 Fp-Tree Construct

E TID	Items bought minsup=3
100	$\{f, a, c, d, g, i, m, p\}$
200	$\{a, b, c, f, l, m, o\}$
300	$\{b, f, h, j, o, w\}$
400	$\{b, c, k, s, p\}$
500	$\{a, f, c, e, l, p, m, n\}$

Solution O Scan DB

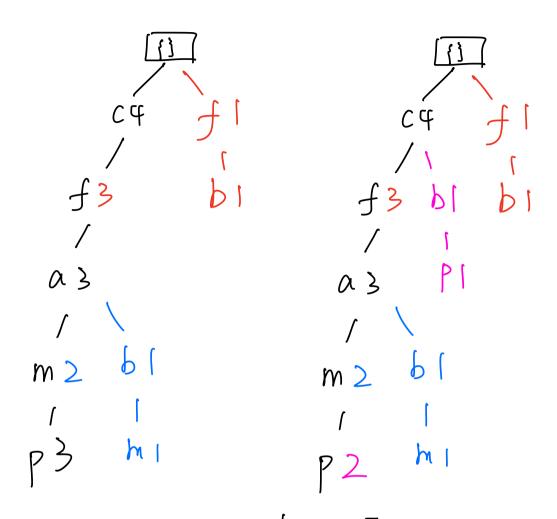
itemset	6	
$\overline{\alpha}$	3	\bigcup
b	3	\lor
C	4	V
1	+	
6		
f	4	\checkmark
9		
h		





@ sort frequent items in frequency descending order, F-list
Sort can not follow Alphabeta order but we recommend it.

3 Construct FP-tree base on f-list



© construct conditional FP-Tree: m

m cond- Pattern Count m

c f a b

c f a b

C4 J1	cf	ab 1
f3 b1 b1	PB	-
a 3 Pl	C	3
m 2 6	<i>f</i>	<i>3</i>
P 2 h 1	6	

minsup = 3

So, m-conditional FP Tree is

(;)

(;)

f:3

a:3

frequent itemsets is {cfa3+m}

m cm fm am cfm cam

fam