

# FD Growth Alg<sup>m</sup>

① Works through divide and conquer approach.  
min sup = 3

TID	itemset
T1	f, a, c, d, g, i, m, p
T2	a, b, e, f, l, m, o
T3	b, f, h, j, o, w
T4	b, k, c, s, p
T5	a, f, e, l, p, m, n

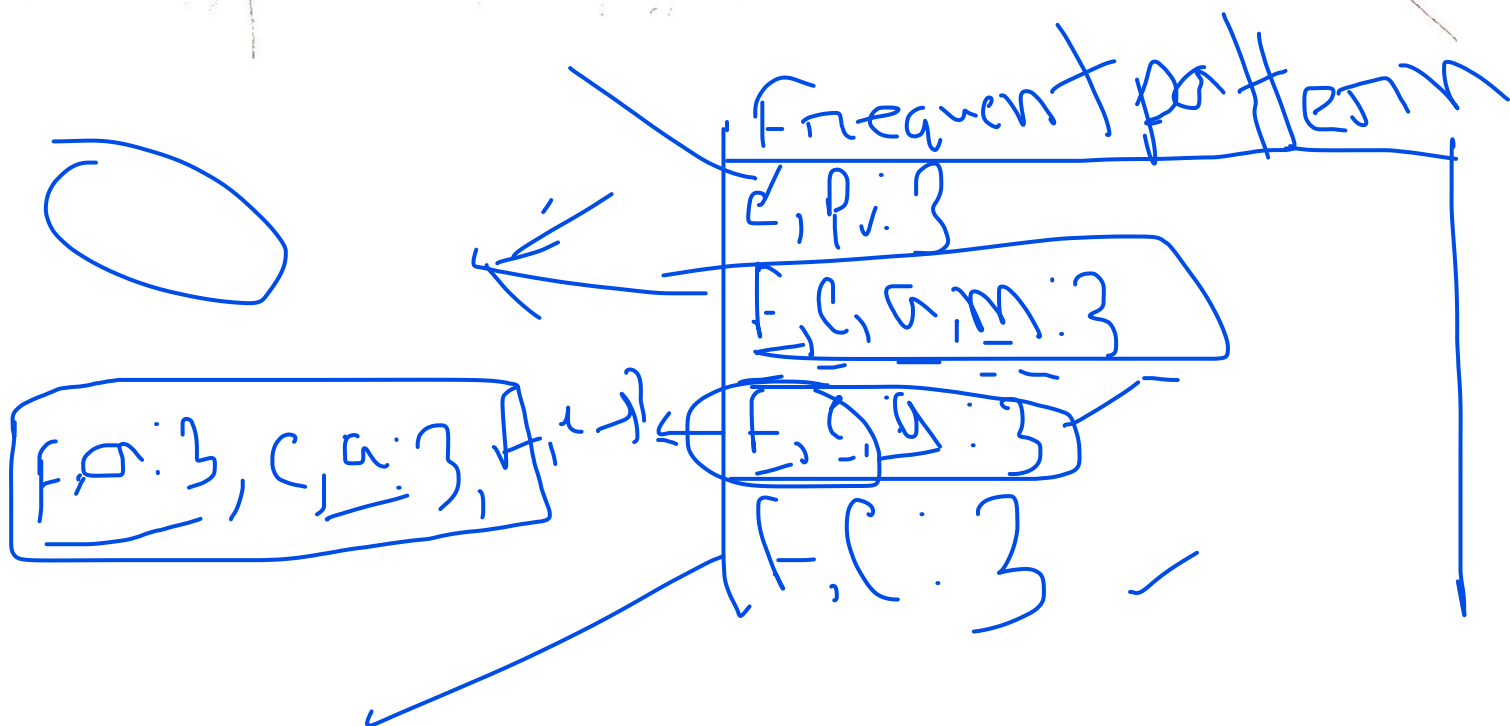
Header table.

Item	Frequency
f	4
a	3
c	4
d	1
g	1
i	1
m	3
e	1
p	3
b	3
l	2
o	2
h	1
w	1
j	1
k	1
s	1

L	item	frequency
1	f	4
1	c	4
2	a	3
2	b	3
2	m	3
2	p	3

↑  
Frequent pattern

ID	Itemset	Ordered frequent items	Item	conditional pattern base
T <sub>1</sub>	f, a, e, d, g, i, m, p	<u>f, e, a, m, p</u>	<u>(f)</u>	<del>{f, e, a, m, p}</del>
T <sub>2</sub>	a, b, c, f, l, m, o	<u>f, e, a, b, m</u>	<u>(m)</u>	{f, e, a, m: 2}, {e, b: 1}
T <sub>3</sub>	b, f, h, j, o, w	<u>f, b</u>	<u>(b)</u>	{f, e, a: 2}, {f, e, a, b: 1}
T <sub>4</sub>	b, c, k, s, p	<u>c, b, p</u>	<u>(a)</u>	{f, e, a: 1}, {f: 1}, {e: 1}
T <sub>5</sub>	a, f, c, e, l, p, m, n	<u>f, e, a, m, p</u>	<u>(c)</u>	{f: 3}



# Example

