

# FP - growth

⇒ Example - 2 :

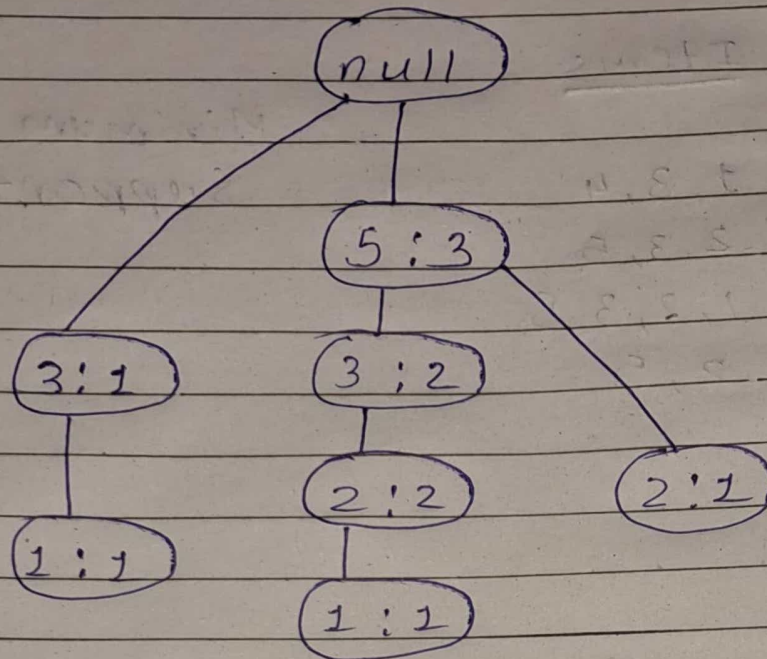
<u>TID</u>	<u>Items</u>
100	1, 3, 4
200	2, 3, 5
300	1, 2, 3, 5
400	2, 5

Minimum  
Support = 2

Step-1 :

<u>items</u>	<u>frequency</u>
1	2
2	3
3	3
4	1
5	3

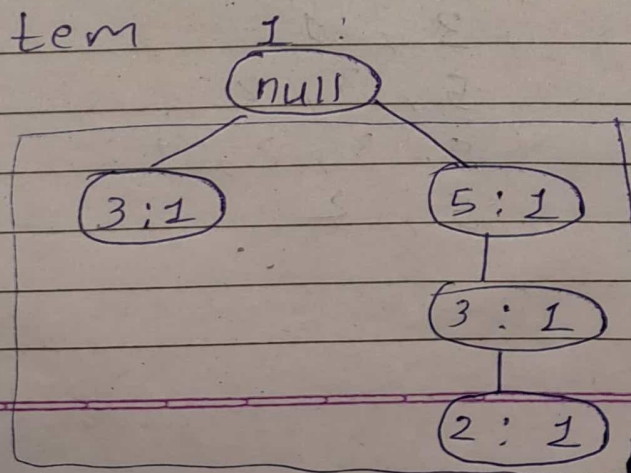
<u>TID</u>	<u>Sorted Items</u>
100	3, 1
200	5, 3, 2
300	5, 3, 2, 1
400	5, 2

FP-treeItemConditional Pattern base

1	{3:1}, {5, 3, 2:1}
2	<del>{5, 3:2}</del> , {5, 3:2}, {5:1}
3	{5:2}
5	-

Conditional FP-tree:-

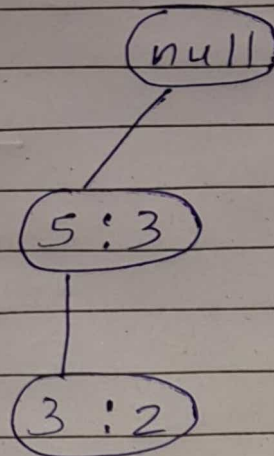
1) For item



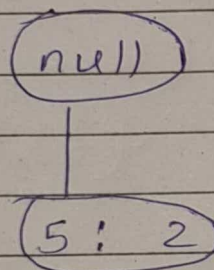
X



2) For item 2 :-



3) for item 3 :-



<u>item</u>	<u>conditional pattern base</u>	<u>conditional FP-tree</u>	<u>Frequent Patterns</u>
1	{3:1}, {5,3,2:1}	-	-
2	{5,3:2}, {5:1}	{5:3, 3:2}	<del>{5:3, 3:2}</del>
3	{5:2}	{5:2}	-
5	-	-	-

<u>item</u>	<u>Frequent Patterns</u>
1	-
2	{5,2:3}, {3,2:2}, {5,3,2:2}
3	{5,3:2}
5	-