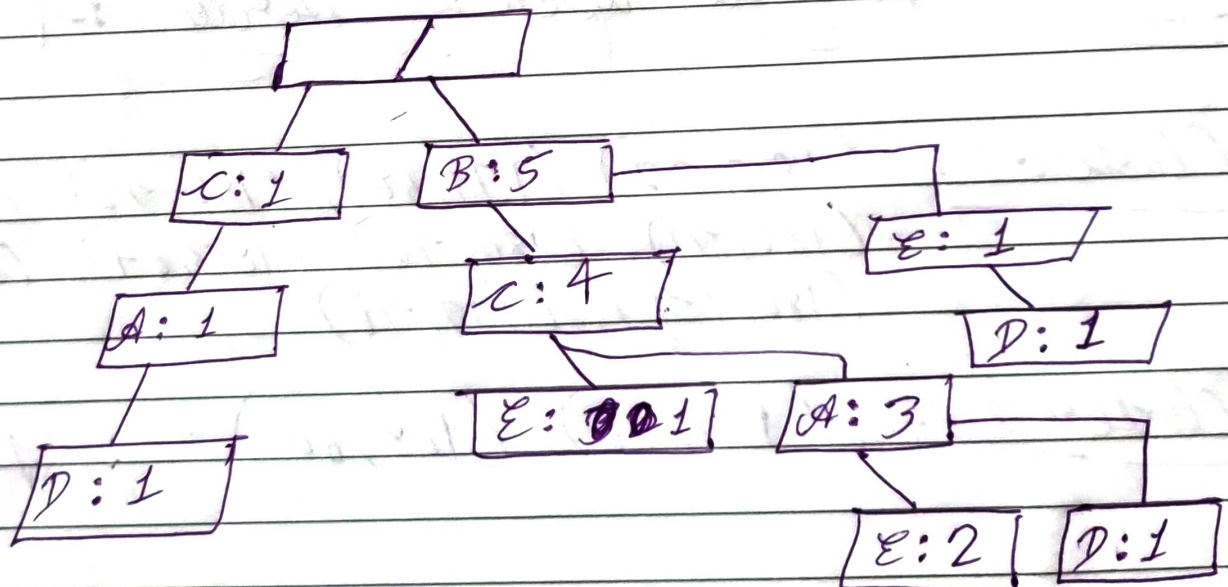




TID	Item	ordered freq item
1	A, C, D	C, A, D
2	B, C, E	B, C, E
3	A, B, C, E	B, C, A, E
4	B, D, E	B, E, D
5	A, B, C, E	B, C, A, E
6	A, B, C, D	B, C, A, D

Item	freq
B	5
C	5
A	4
E	4
D	3

2) fp-tree :-





Item	Cond <sup>m</sup> pattern-base	Cond <sup>m</sup> FP-tree
D	$\{(CA:1), (BCA:1), (BE:1)\}$	empty
E	$\{(BC:1), (BCA:2), (B:1)\}$	$\{(B:4, C:3)\}   E$
A	$\{(C:1), (BC:3)\}$	$\{(C:4, B:3)\}   A$
C	empty	empty
B	empty	empty

Frequent itemsets =  $\{(BE), (CE), (BCE), (CA), (BA), (CBA)\}$ .

Ans