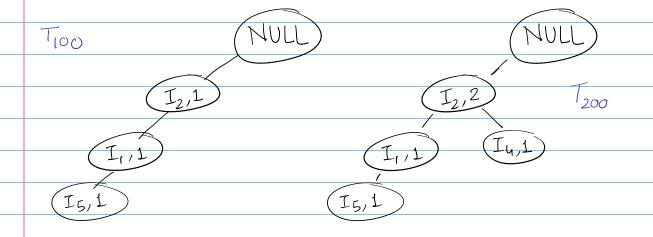
2022

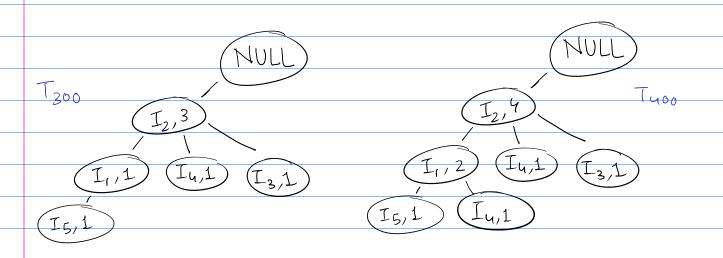
## Tut2-FP Tree Algo.

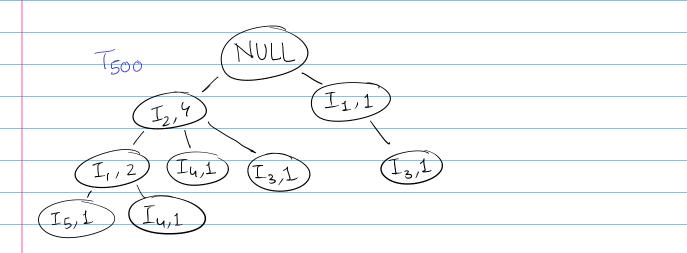
## IIT2018179-Mohammed Audil

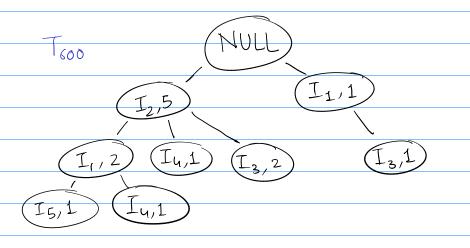
Q1>	TID	Item list	Oxdered list
	T100	$I_1, I_2, I_5$	$I_2,I_1,I_5$
	T200	$I_2, I_4$	I2, I4
	T300	$I_2, I_3$	$I_{2}$ , $I_{3}$
	T400	I,, I2, I4	I <sub>2</sub> , I <sub>1</sub> , I <sub>4</sub>
	T500	I, , I3	$I_1, I_3$
	T600	I <sub>2</sub> , I <sub>3</sub>	$I_2, I_3$
	T700	$I_1$ , $I_3$	$I_1, I_3$
	T800	$I_1, I_2, I_3, I_5$	$I_2, I_1, I_3, I_5$
	T900	I1, I2, I3	I <sub>2</sub> , I <sub>1</sub> , I <sub>3</sub>

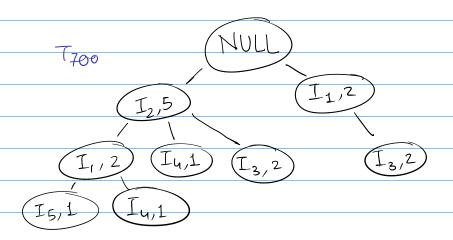
Itemset	Sup. Count		Itemset	Sup. Count
$\{T_1\}$	6		$\{T_2\}$	7
{ I <sub>2</sub> }	7	Softing based	{ <u>T</u> , }	6
{ I <sub>3</sub> }	6	on Sup-Count	{ I <sub>3</sub> }	6
{ I4}	2		{ I4}	2
{ I 5}	2		$\{L_{S}\}$	2

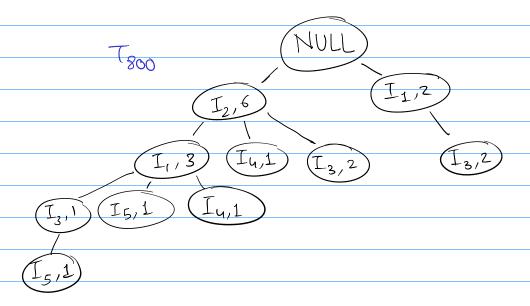


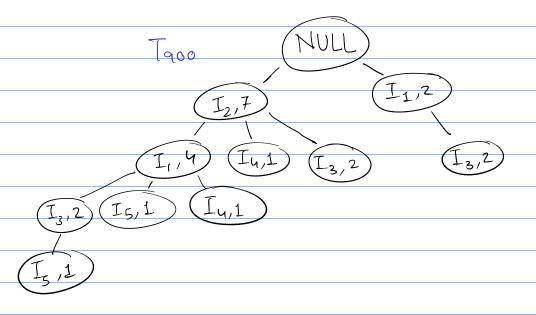












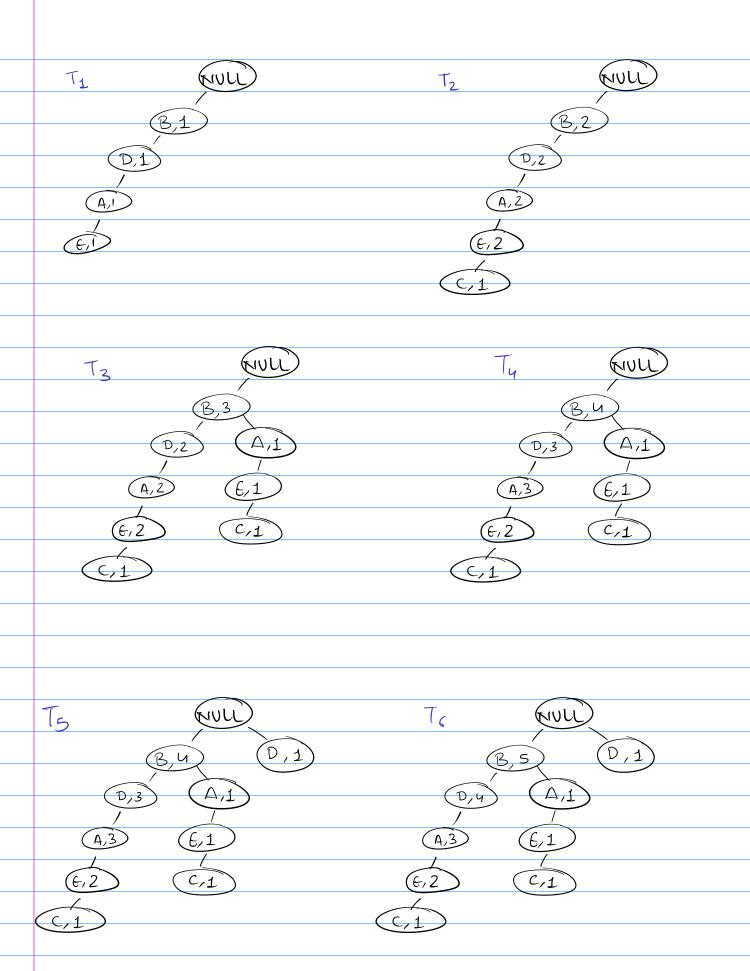
glem	Conditional Pattern Base	Conditional FP tree	FP Grene volled	
I <sub>5</sub>	{{I <sub>2</sub> , I <sub>1</sub> :1} {I <sub>2</sub> I, I <sub>3</sub> :1}}	⟨I <sub>2</sub> :2, I <sub>1</sub> :2>	{I2,I5:2}{I,I5:23{I2,I1,I5:23	
Iy	{{I <sub>2</sub> , I <sub>1</sub> : 1}, {I <sub>2</sub> : 1}}	< I <sub>2</sub> :2>	{I2,I4:2}	
I3	{[[2],:2],{ [2:2],{ [1:2]}}	< I2:4, I:2> < I1:2>	{I2, I3:49{I1,I3:4}{I2,I1,I3:29	
I <sub>1</sub>	{{I <sub>z</sub> :4}}	< I <sub>2</sub> :4>	{I2,I1:43	

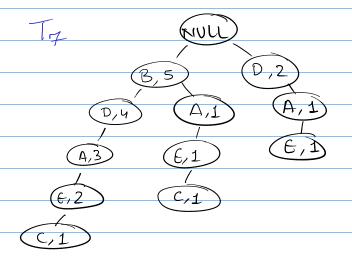
min\_support = 30%
TID's = 8

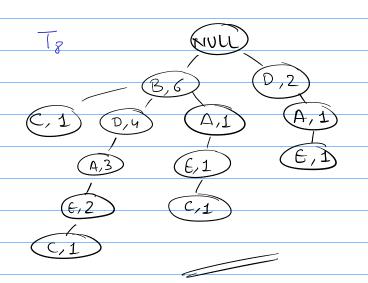
:. min suppost count =  $\frac{30}{100}$  + 8 = 2.4  $\approx$  2

Itemset	Sup. Count		Itemset	Sup. Count
{A}	5		{B}	6
{B}	6	Softing based	{D}	6
{c}	3	on Sup-Count	{A }	5
{D}	6		{E}	4
{E}	4		{C }	3

				_
	TID	Item list	Ordered list	
	T1	E, A, D, B	B, D, A, E	
	T2	D, A, C, E, B	B, P, A, E, C	
	T3	C, A, B, E	B, A,∈, C	
	T4	B, A, D	B, D, A	
	T5	P	P	
	T6	p, B	B, D	
	T7	A,D,E	D, A, G	
	T8	В,С	В,С	
		•	•	







glem	Conditional Pattern Base	Conditional FP tree	FP Generated
C	(B:1) {BDAE:1}{BAE:1}	<8:3,A:2, E:2>	{BC:3}{AC:2}{EC:2}{BAC:2} {BEC:2}{AEC:2}{BAEC:2}
E	{BDA: 2} {BA: 1} {DA: 1}	< B:3, A:3>	{BE:33{AE:33}{BAE:33}
A	{BD:3}{B:1}{D:13	<b:4,d:3></b:4,d:3>	{BA:43{DA:3}{BDA:3}
D	{B:43	<8:47	{BD:43