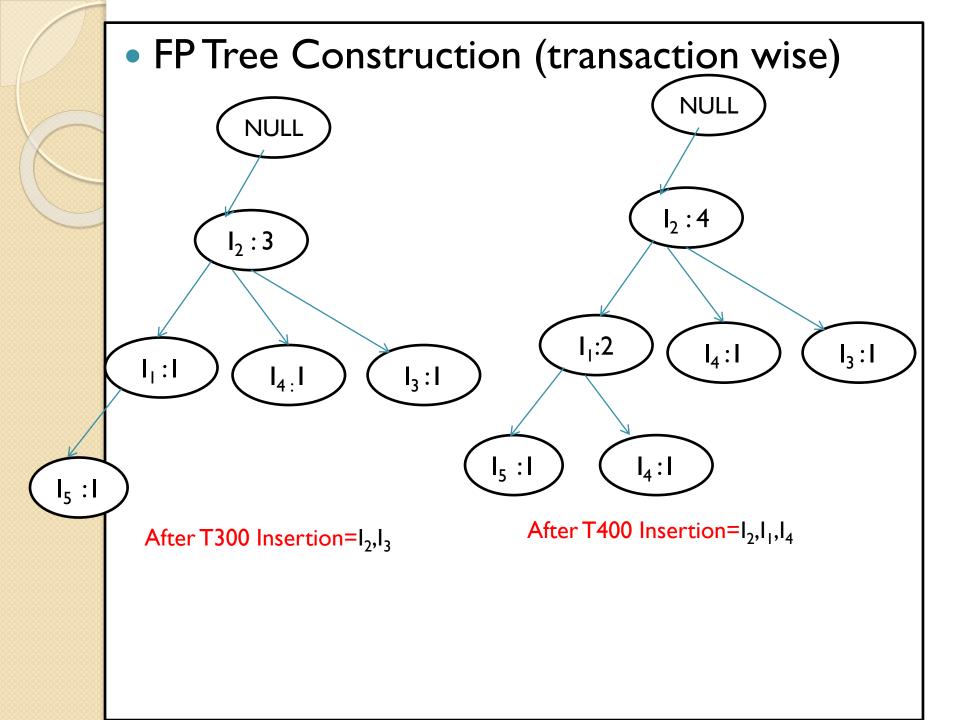
$L_1 = \{I_1(6), I_2(7), I_3(6), I_4(2), I_5(2)\}$ Reordered Support Count $L = \{I_2(7), I_1(6), I_3(6), I_4(2), I_5(2)\}$ Reordered Transaction Database:

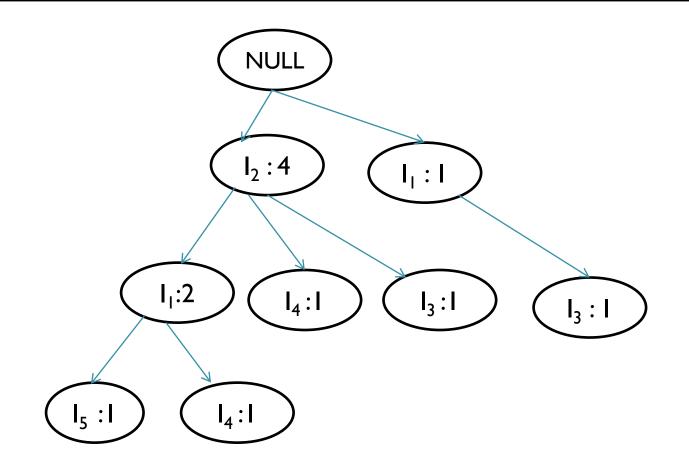
Branch

TID	List of item_IDs
T100	I1, I2, I5
T200	I2, I4
T300	I2, I3
T400	I1, I2, I4
T500	I1, I3
T600	I2, I3
T700	I1, I3
T800	I1, I2, I3, I5
T900	I1, I2, I3

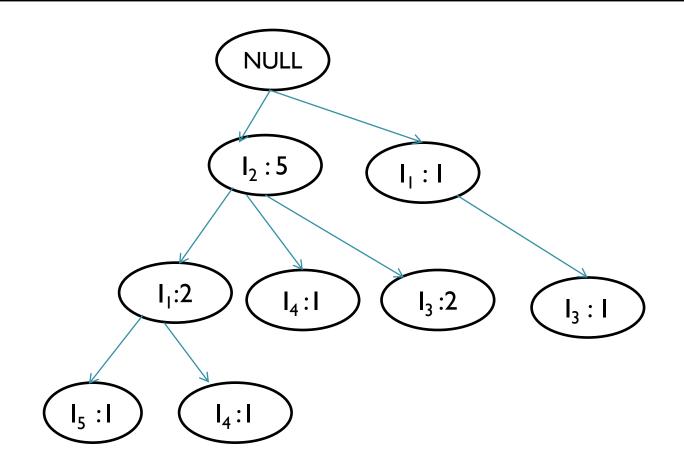
TID	Items
T100	l ₂ ,l ₁ ,l ₅
T200	l ₂ ,l ₄
T300	l ₂ ,l ₃
T400	l ₂ ,l ₁ ,l ₄
T500	I ₁ ,I ₃
T600	l ₂ ,l ₃
T700	I ₁ ,I ₃
T800	l ₂ ,l ₁ ,l ₃ ,l ₅
T900	l ₂ ,l ₁ ,l ₃

FP Tree Construction (transaction wise) NULL NULL l₂ : l NULL I₂:2 **Initial Tree** (Empty I_1 : IRoot) $I_{1:}I$ **I**₄ : **I** I₅:I $I_5:I$ After T100 Insertion = I_2 , I_1 , I_5 After T200 Insertion = I_2 , I_4

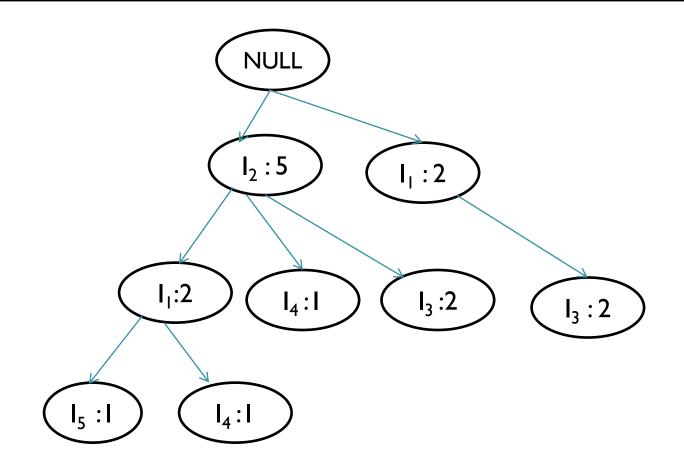




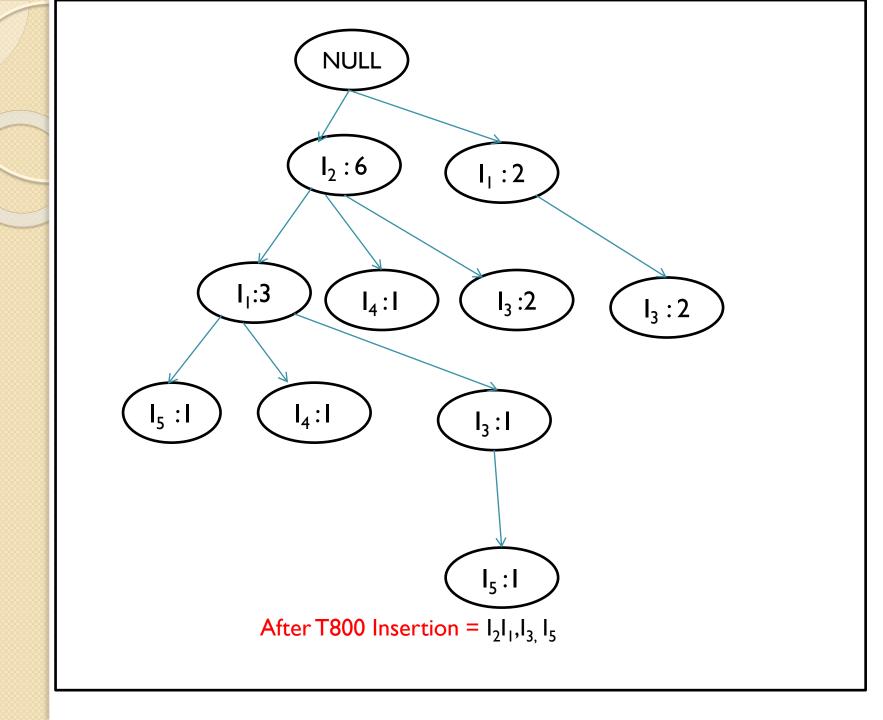
After T500 Insertion = I_1, I_3

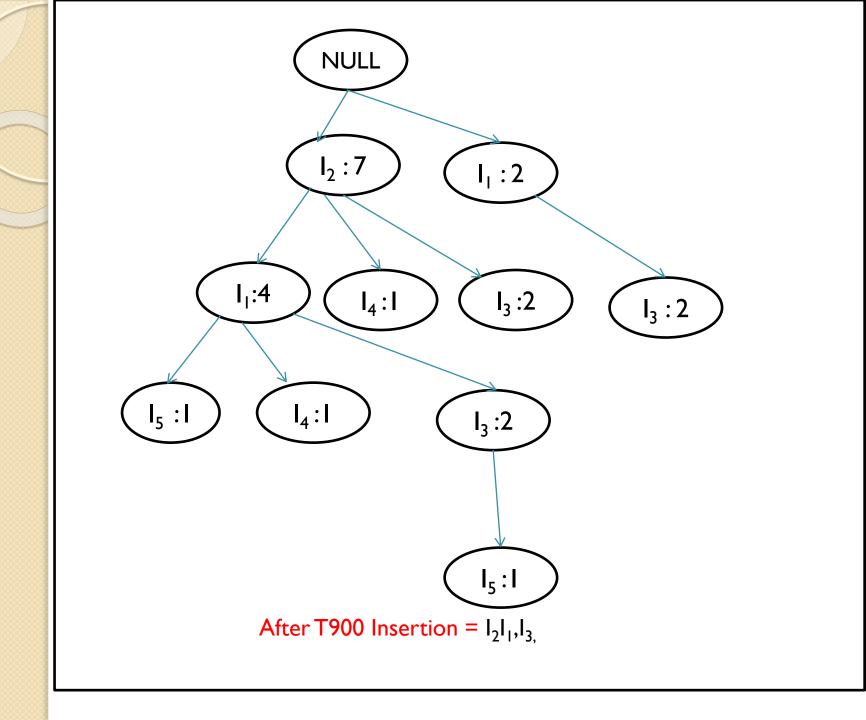


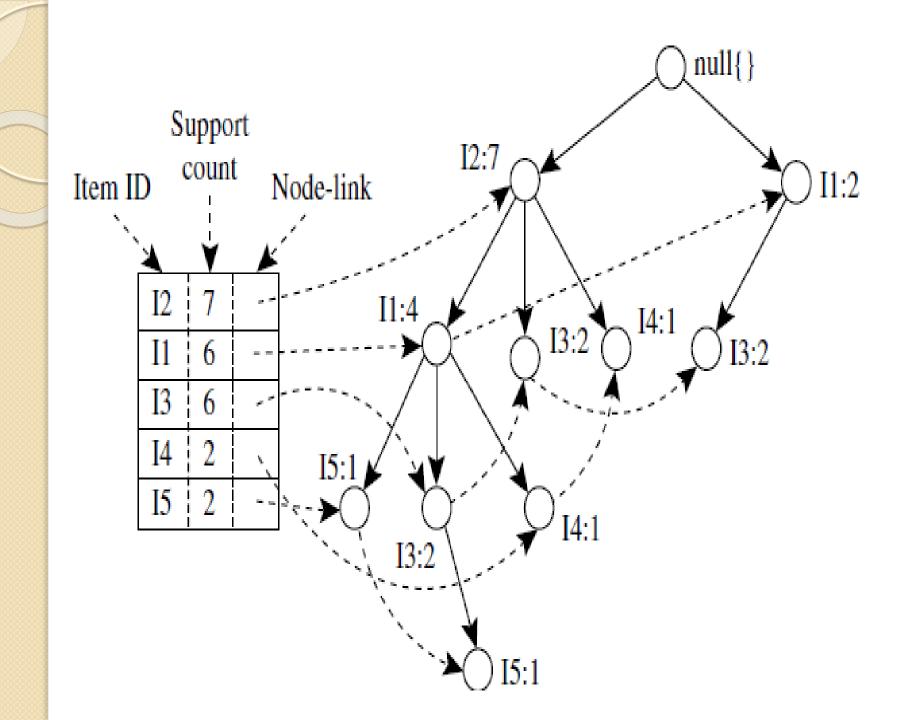
After T600 Insertion = I_2 , I_3



After T700 Insertion = I_1, I_3







Mining the FP-Tree by Creating Conditional (Sub-)Pattern Bases

ltem	Conditional Pattern Base	Conditional FP-tree	Frequent Patterns Generated
I5	{{I2, I1: 1}, {I2, I1, I3: 1}}	⟨I2: 2, I1: 2⟩	{I2, I5: 2}, {I1, I5: 2}, {I2, I1, I5: 2}
I 4	{{I2, I1: 1}, {I2: 1}}	⟨I2: 2⟩	{I2, I4: 2}
I3	{{I2, I1: 2}, {I2: 2}, {I1: 2}}	\langle I2: 4, I1: 2 \rangle , \langle I1: 2 \rangle	{I2, I3: 4}, {I1, I3: 4}, {I2, I1, I3: 2}
I1	{{I2: 4}}	⟨I2: 4⟩	{I2, I1: 4}