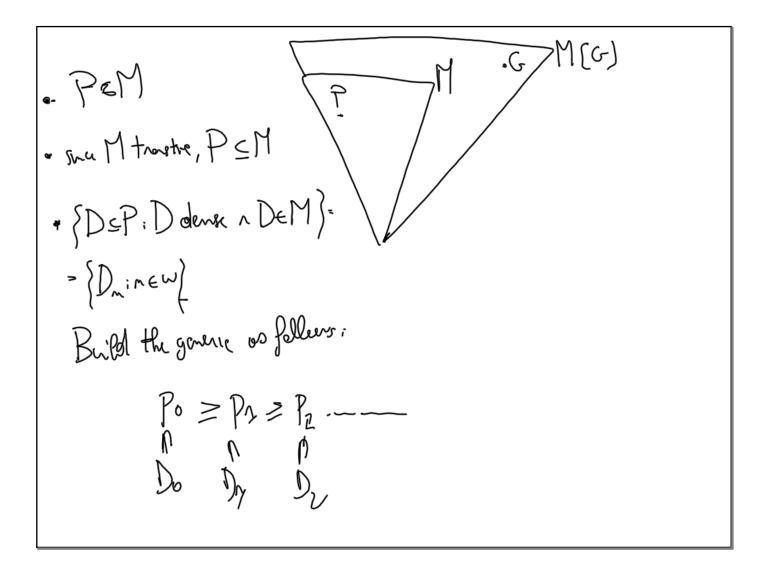
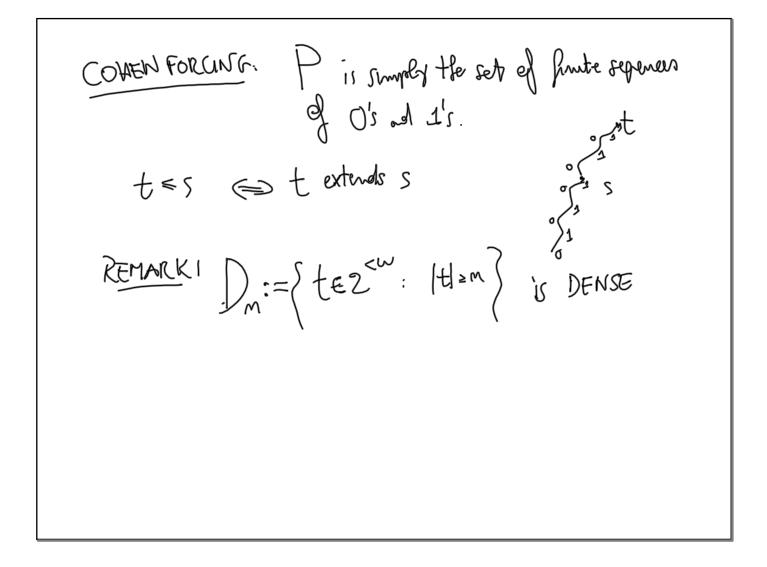
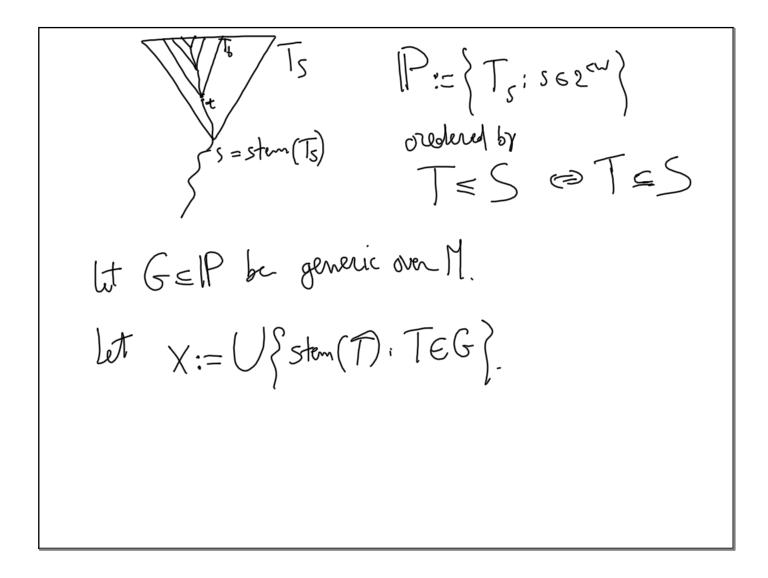
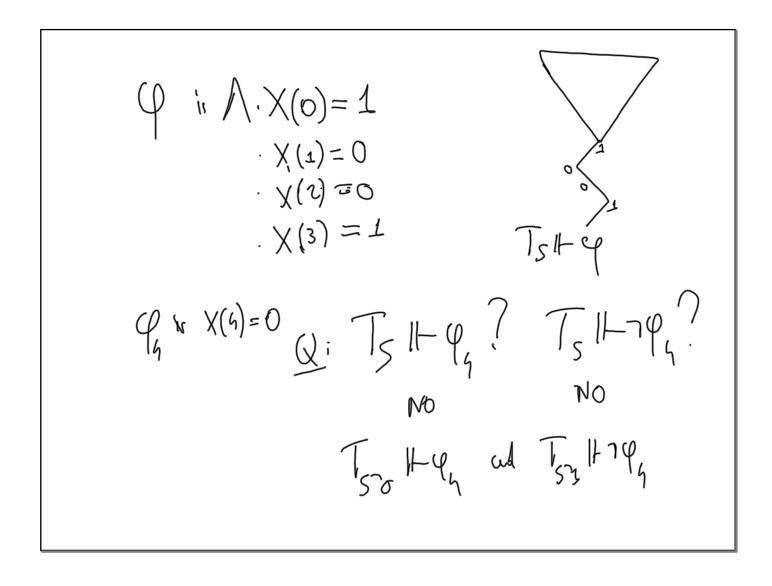
REE-FORCING In ZFC, we an olvers benild a model fra finte frogunent of ZFC. Morrow, by LS, we can consider countable trasitive madel of ZFC\* (~ This denotes the first frequent).





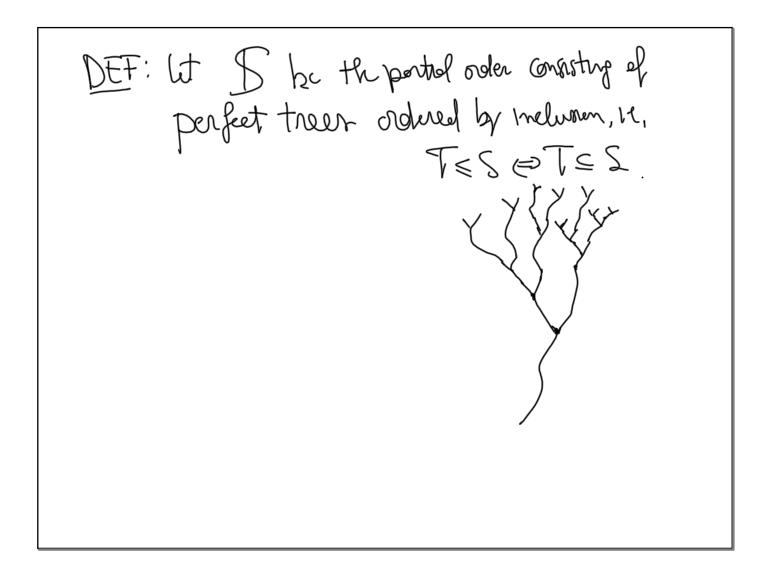




$$T_{S} \Vdash (1,0,0,1) \leq \chi$$

$$T_{S0} \Vdash (1,0,0,1,0) \leq \chi$$

$$T_{S1} \Vdash (1,0,0,1,1) \leq \chi$$



• pick 
$$P_{S^{n}0}$$
,  $P_{S^{n}1}$   
 $ad + to Ke  $Q^{o} \leq P_{S^{n}0}$ ,  $b_{0} \in 0$ ,  $d_{1}Q^{o} \neq F(a) = b_{0}^{o}$   
 $Q^{a} \leq P_{S^{n}1}$ ,  $b_{1}^{o} \in 0$ ,  $d_{1}Q^{2} \neq F(a) = b_{1}^{o}$   
 $P^{o}_{...} = Q^{o} \cup Q^{a} \in \mathcal{B}$  and  $Sten(P_{...}) = S$   
 $\mathcal{B}_{0} := \{b_{0}, b_{1}\}$$ 

 $P_{s_{0}}^{\circ} \ge q^{\circ}, b_{0}^{\circ} \qquad q^{\circ} \Vdash F(s) = b_{0}^{\circ} \qquad (1 + F(s)) = b_{0}^{\circ} \qquad (1 + F($  $P^{1} = q^{2} u q^{2} u q^{2} u q^{3} a d B^{1} = \{b^{3}, b^{3}, b^{3}$ 

By noticely, we proceed coolspansly and we get  

$$\{P^n: n \in W\}$$
 of these in S st:  
 $P^{n+1} \leq P^n$   
 $P^{n+1} ad P^n$  have the same Kth-spectraler,  
 $P^n \in M$  for  $K \leq m+2$   
And so  $\bigcap_{m \in W} P_n = : q \in S$   
Further  $G \neq B = \bigcup_{m \in W} B_m$   
CLAIM:  
 $Q \mid |- TGM(F) \leq B$   
 $Q \mid |- TGM(F) \leq B$   
 $Q \mid |- F(0) = b_0 \vee F(s) = b_2$   
 $Q \mid |- F(0) = b_1^2$   
 $Q \mid |- F(s) = b_2^3$   
 $Q \mid |- F(s) = b_1^3$   
 $Q \mid |- F(s) = b_1^3$