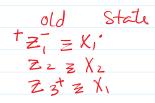
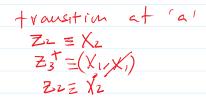
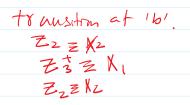
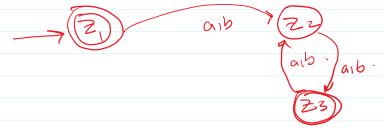
lecture 20: Kleene theorem III. "For each regex there is a Corresponding FA" (YI+YL) + YIYL (YI+Y3)* ----PAI PAI PAZ. Three Issues in Combining. 1- Som, Duion, + Concaturation. 3- Closure. #. closure: - During processing Any state encountered final
the resultant state will also be final-The frue State will always be written together with -> The luited for the first time will also be nowled as (7/+1/4/4/5) Transition at ib'. Transition at 'a' old state Z2ZQ1 Z Z go Z3 = 93 Z2 Z9,1 Z4=(92, 90) Z==(qu, qo) Z3 Z Q3 芸=(94、90) Z2=91 Z4 = (9,2,9p) Z = Z (92, 90,91) Z3=(9,3,93) $Z_{5}^{\dagger} \equiv (q_{1}, q_{0}).$ $Z_{2} \equiv (q_{1}, q_{0})$ $Z_{5}^{\dagger} \equiv (q_{2}, q_{0}, q_{1})$ $Z_{5}^{\dagger} \equiv (q_{2}, q_{0}, q_{1})$ Z=(9,1,20, V3) Z= (9,3,95, 94,90) (83, 24, 20) Z7+2(9,4,8,9,9) Z2≥(91,9,1,9) Z7+ Z(94, 90, 93, 94, 46) z (94, 90,93) Z Z7 HW.













old State 2, 2 % 22 2 90

Transitu at 16'.

Z' = (90,90)

Z' z (90,90)







