nfa Thursday, September 12, 2024 αυίτ+1,2 L= ξanbn: n\*m=odd, n,m7,0 ξ n=odd, m=odd L= {ab, aaab, abbb, aacbbb, ... ? aside! Mn6= (Q, Z, S, gi, F) ■ P=fink set of internal states = Z: finite set of symbols: alphabet - δ= Φ× (ZUFX?) → 29 rfa = ofa ■ gri= Eq, initial state F = final state(s), FCR T T T T T P > 8 ^ 8 > P J: Qx ( \$U 9x5) -> 29 ex 8=9 80,81,823 5=34,69 DFA:  $\varphi \times \Xi = \{(g_0, \alpha), (g_1, \alpha), (g_2, \alpha), (g_0, b), (g_1, b), (g_2, b)\}$ NFA: 0x(ZUSX3) Z(go, a), (g1, a), (g2, a), (g0,b), (g1,b), (g2,b), (80,2), (81,2), (82,2) } DFA: Q = 3 80, 81, 82 3 NFA: 29 = 74, 9803, 9818, 9828, 980, 813, 980, 813, 980, 828, 381, 828, 380, 81, 828} ey DFA! 5: (8, a) = 82 of NFA: \( \chi \, a \) = \( \frac{2}{5} = \  $(q_1, x) = \phi$ (82, x) = 28°,8,825 (go, a) = 980,81,829 L- Zas Z-Seibs L(M)=[03 L(M)=301:0=03 L= 5 3 a's or even # of a's, n=19 process his before symbol or efter symbol or both. a Z = Za, b F both dfa - nfa / nfa + dfa. steps to follow