20-1/ {= { 8.9.1.13 } = {0,1,230} DFA CON REX TM (=> Enumerator PDA (=> CFG DFA <>> NFA (simple) (complex) Basic PL (=> Complicate PL Stay Put TM S: Qx M > Qx M x { L, R} intuition + new > 8': Qxr -> Qxr x {L, R, S} new semantics S(g;,a) = (g;,b,S)Galois u[q:]av => u[q:]bv 4 [8;]bv trang = trang = id ud [qx7v 8(8:,a) = (8k,b,R) / 8(8k,c) = (8;,c,L) u[8:]aar =7 ub[8k]cv =7 u[8:]bar Translating from Stay to Normal! I state per S 1 extraster per S

2-7M = (Q, E, T, Bo, S, ga, gr) S: Qx T -> Qx T x SL, R3 S': Qx T' = Qx MxT -> Q x (Tx {L, R})? = Q x (T x EL, R3) x (Fx EL, R3) 2-config = x / gi / y $Co = \epsilon / fo / \epsilon$ 司之 $\frac{S(g_i, b, B) = (g_i, (c, R), (r, L))}{\text{ua} \left[g_i\right]_{By}^{bv} = \sum_{x \in \{g_i\}} \left[g_i\right]_{ary}^{v}}$ Slater Elgan Z-config (i) 1-config (TM =?) z-config (i+1) (trans-) 1-config va [8:] by trans ua [] by (xx By ~ [q:] uabv#xaßy U*]->??? uac [8] V C [8] vac vov # xary

8; = 3 8;/b = 3 4;/b/B = 3 8;/cR/rL Va 8; *= 8;/gota = 8;/cR