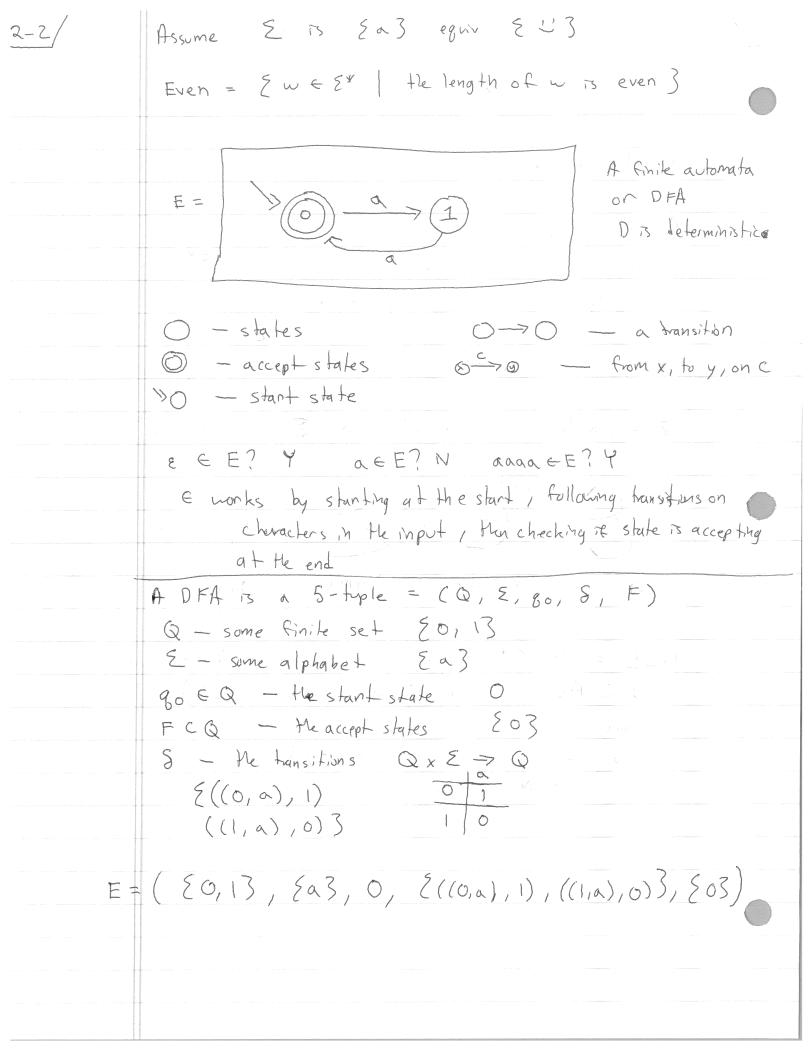
Echar, squi, bulb 3 & jay, libby 3 = { char, squi, bulb, vay, libby } FIN = all finite sets A string of an alphabet - some finite set E (epsilon) is a string of E c (where crE) is a string of E xoy (where x € i3 a shryok { and so i3 y) i3 a shof { $\Sigma = \{\alpha\}$ $\xi \in \mathcal{E}^*$ $\alpha \in \mathcal{E}^*$ $\alpha \in \mathcal{E}^*$ epsilon member Sigma brace $ALL = P(\xi^*)$ (all subsets where elements are strings)

ALL = $P(\xi^*)$ (all subsets where elements are strings) FIN C ALL (all finite subsets of ξ^*) and - one string (in ξ^*) Early C ALL



short #1: O = O no label = every else £={9,b,c,d} $0 \longrightarrow 0 \longrightarrow 1 \text{ on } a$ $0 \longrightarrow 2 \text{ on } b$ (3) 0 -> 3 on c on d short #2: if no arrow from X on C, Men X => FAIL on C where FALL Math Intition what is the S-tuple Diagram language e algorithm OF the DIFA? L: DFA -> P(E*) Lis for language E: E* -> Y/N L(DFA) = & WE E* WEDFA] WEDFA? Steps w ∈ DFA; ff [80] w →* [8f] s.t. 8f ∈ F F from the DFA the Goban the DFA Steps is anelation on configurations 7* C C X C configuration = C = Qx Ex [g:]w = (g:,w) $N = \frac{[g:]w \rightarrow [g:]w'}{[g:]w'} \xrightarrow{} [gk]w''}$ step is a relation of configuration a c Cx($S(g_i, a) = g_i$ 8 [9:] = >* [9:] = [q;]aw > [q;]w