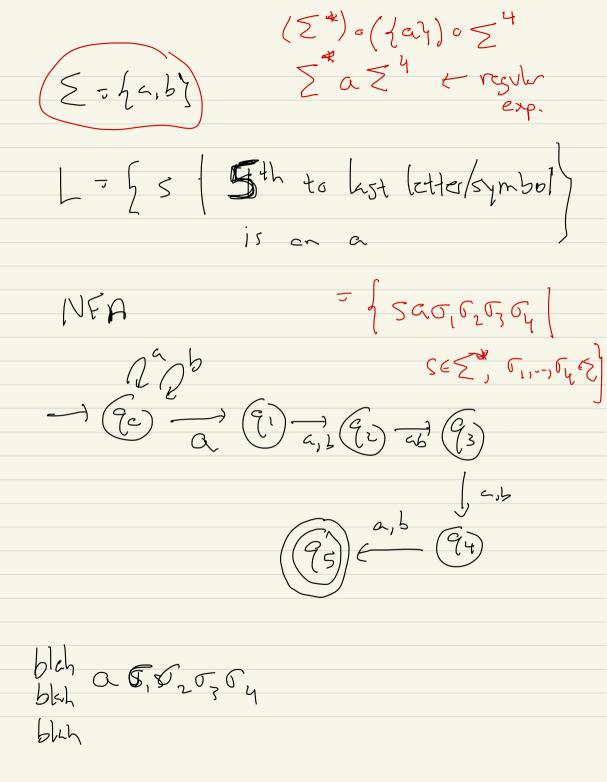
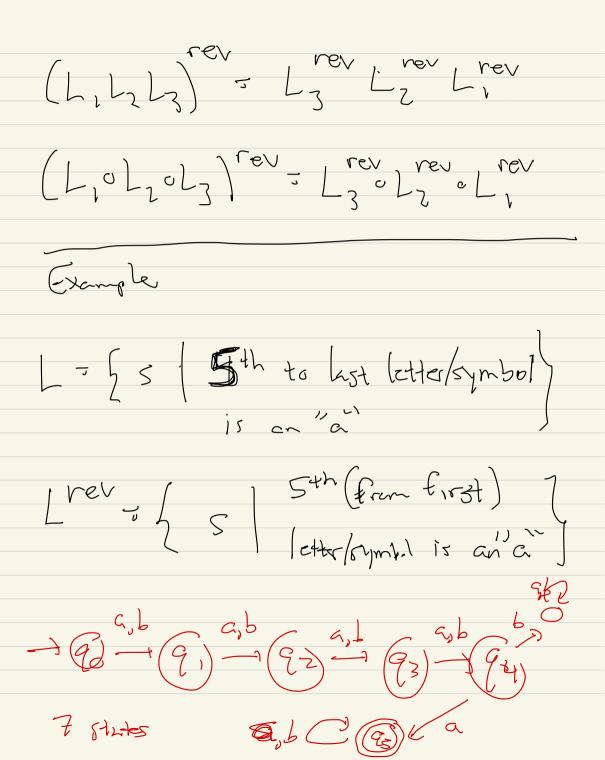
CPSC 421/501 Oct 10,2025 - NFAS -> DFAS (Oct 8) - Regular Expressions: [Sip]: \emptyset , ε , elements of Σ plus U, O, [Could add: +,7,0,...] - Regular expressions describe regular languages (with proof) - Vice versa : a cautionery tale. -y in \$1.3 [Sip]

Say you have an NEA with M= (Q, Z, T, go, F) and Q = k. How large - how many states could an equivalent DEA have? hot needed



How large is a mm size DFA for 1 = 5 * a54 = 5 * o a o 5 o 5 o 5 o 5 o 5 iday agaca aacab acaba if you have state for each 32 of there 66666 31 states, then 2 of there have to wind up in the same state

NFA - 6 states DFA - 25 states



23 EA 9.2 91) nona,b

Regular Expression? E e aphibet Rules;

Primitives; P, 20% form

of 0

E or E Building Rules! if Rinkz regular
expressions, then so are

(4) (Rinkz) (Rinkz) (Rinkz)