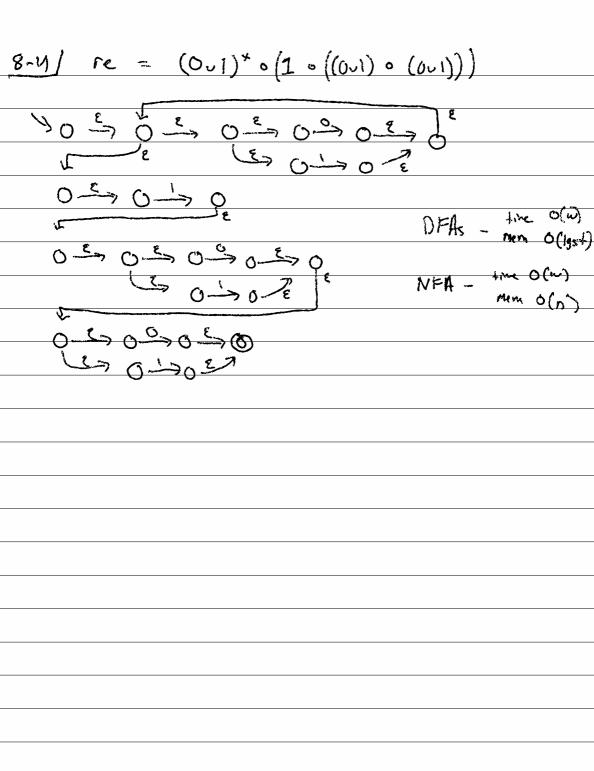
8-11 Regular Express	5 ,2NS	
re := Ø	Emply	
چ	Epsilon	
C .	Char	
re U re	Union	
14 ×	Star	
re o re	Circ	
L: re -7	P (2*)	
C : re =7	NFA	

$$C(x^{2}) = 0$$

$$C(x)$$

$$C(x)$$



8-5) inherface Regex [3 class RE_ Empty () class RE_ Epsilon () class RE_ Chan (chan c) class RE_ Union (Regyex (his, Regex rhs) class RE_ Star (Regex arg) class RE- Circ (Regex 1 hs, Regex rhs) Oul = new RE union (new RE-Chun ('0'), ven RE_Char(11)) in (chan) in (chan) in Chan -> ()

8-6) generate: re -> str on false gen Ø = faise gen e = E gen c = C gen (xvy) = let gx = gen x if gx & false Hen gx O,w. geny gen (xx) = gen (& v x o xx) gen (xoy) = let gx = gen x let gy = gen y if gx and gy = fask grogy ow, such false

8-71	
	Wrere.
	aconte (compile/compile/a)
	accepts (compile (compile (r)), generale (r)) = true

8-8/ n+0-n x = E v 000* $\gamma \times 1 = 0$ a u a = a Ø u a = a = a u Ø E 0 a = a 0 E = a Michael Freenburg \$ 0 a = \$ = a 0 \$ Smart Constructurs 00 = E = EU Ø O pt ark Snarler e* = e = e u e o e Han you Hink $S_c \emptyset = \emptyset$ $S_c (xoy) = S_c x o y U$ 16 x 2 g. Then Sc E = Ø Sc c' = if c==c' then E que & sky

Sc (X UY) = Scx u Scu & g' Sc (x vy) = Scx v Scy Sc (x*) = 8cx 0 x*

re can I conent a DFA into a REX?