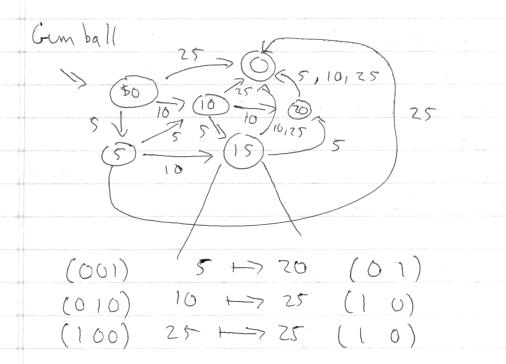


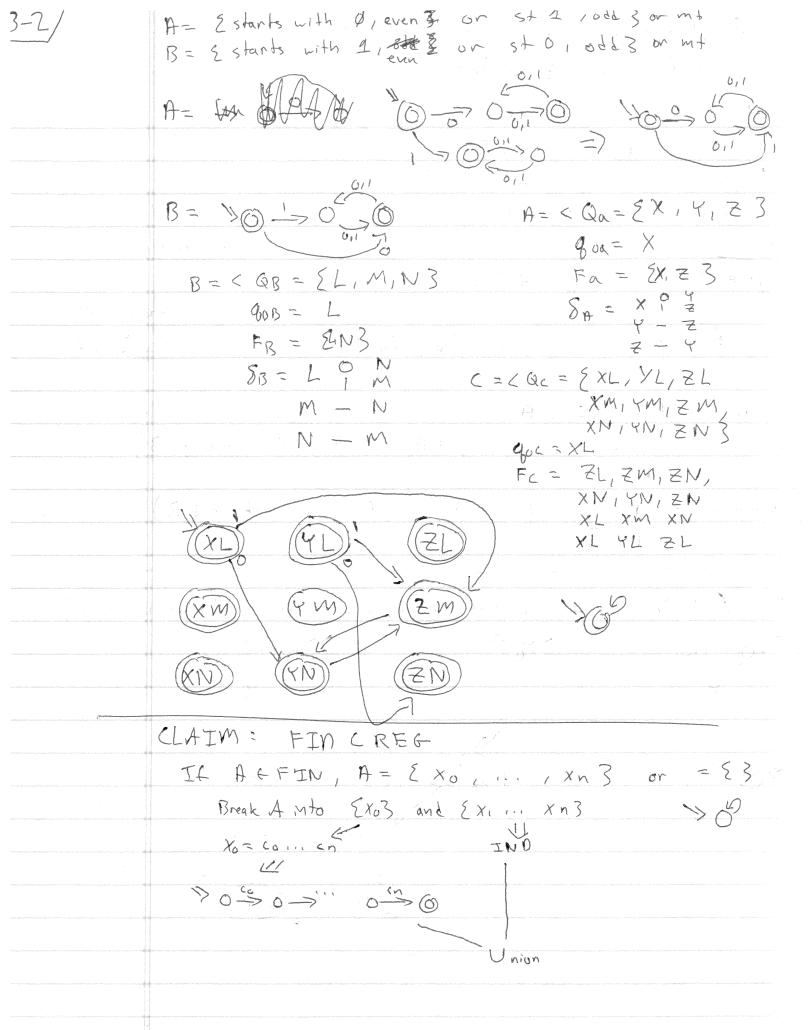
Well-formed addition equations:

$$\Sigma = 0-q, +, \mp$$

$$0-q$$



:= Set (Strings) 3-1/ Language union of two languages? 3010/1113 U 203 = {0,010,1113 >0-00-0-0 20-50-50-50 1000000 YA, BEREG. FICEREG. C=AUB? closure property (of U in REG) Lhotdoes XEREE mean? REF = regular languages = languages accepted by a DFA 3deDFA, L(d) = X A => EZ, QA, BOA, SA, FA> Given B => < E, QB, QOB, SB, FB> make < 2, Qc, Boc, Sc, Fc> => C a string x should be accepted if A accepts or Baccepts is QA x QB a finite set? = Qc (gon, gor) = 800 = Fc (intersection) FAXER FAXQB U QAXFB Sc ((8a, 80), CEE) = (8a, 8b) 8'a = SA (80, c) 96 = SB(90, C)



8-31 Regular Operations are set-operations REL 13 closed under.	s' Heat
Union - proved AnB	
Complement A on AC X E A (=> X & A	x is the final state
	when noning a machine
8* E FA	state of DFA is
A = < E, QA, 80A, SA, GA-FA>	log_ bits
Star - A* = E U A O A* Concatenate - A O B (X y E A O B) iff x E A Revergal - AR Difference - A - B (X E A - B) iff x E A and = A n B	
B= 203 A= E everything 3 A= E >090 >000	starts with 0}
R NO CED (XM) (FM) (ZM) (XM) (FN) (ZM) (XM) (FN) (ZM)	

typedef enum & XL, YM, YW, ZW3 state-t;

int machine () &

State-t st = XL;

while (chan c = getco) &

suitch (st) &

case YL: suitch (c) &

case 'O': st= YM; brak;

case YM: st= YW; b;

case YM: st= YW; b;

case YM: st= YN; b;

case YN: st= ZW; b;

return st == YN;

Regexp: Courses / * / grades / * fail

x appy y appy Z

re = x 0 & 0 y 0 & 0 Z

