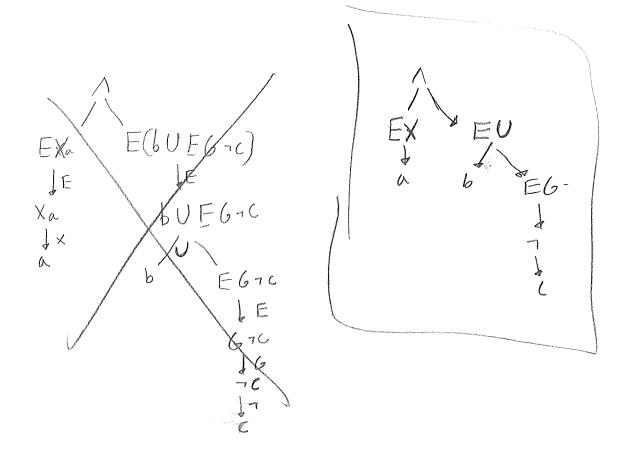
Joseph Blodgett HW 10 CS 486

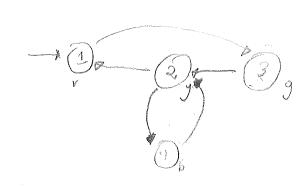
1)



3) 
$$AX (E(\neg \alpha U(b \land c)) \lor E(G AX(\alpha))$$
  
 $\neg EX (EG(\neg \alpha U(b \land c)) \land \neg EGAX(\alpha))$   
 $\neg EX (\neg EG(\neg \alpha V b \land c)) \land \neg EG(EX(\neg \alpha)))$ 

7E6(an 7Etrue U (bn7a))

What is existential normal?
How to replace with least or greatest fixpoint



$$AFy = D(F679) = 863$$
 $AGy = T(F679) = 863$ 
 $E7F(F79) = 863$ 

$$A G(A F(Y))$$
 $\{1,1,3,4\} = tne$ 
 $A = b$ 

5)

Idenations Set of 
$$FGF$$
 $0$ 
 $\{s_0,s_1,s_2\}$ 
 $2$ 
 $\{s_0,s_1,s_2,s_3\}$ 
 $4$ 
 $\{s_0,s_1,s_2,s_3\}$ 

$$\frac{4 \text{ contd.}}{4 \text{ A F(q)}} \rightarrow \sqrt{6}$$

$$A = F(g) \rightarrow -(E(f(g))) - (E(f(g))) = -(E(f(g))) - (E(f(g))) - (E($$

17E(G(1922)

EFg = E[tru Ug] - {1,2,3,4}

833

E69 = \$ = No sec

A (bU76) 7 E (7(6 U7b)) to (E (7606))

AU +8 EV

(E(6 (26))

E+(76U70b)

A (76 UEF6) - E (7(EF6)U (61 - (EF6))] 1 - (E (EFB))

 $A = \frac{1}{2} =$ 

 $F = A(g \cup A(g \cup r)) - E(\neg r \cup (\neg y \land \neg r)) \land \neg E(\neg r \cup (\neg y \land \neg r)) \land$ 

\$1,2,3,93

7E[76U(61-16))1-1E6615) 761-8 1 1 21,2,3,43 (1,2,3,4) £1,2,3,43