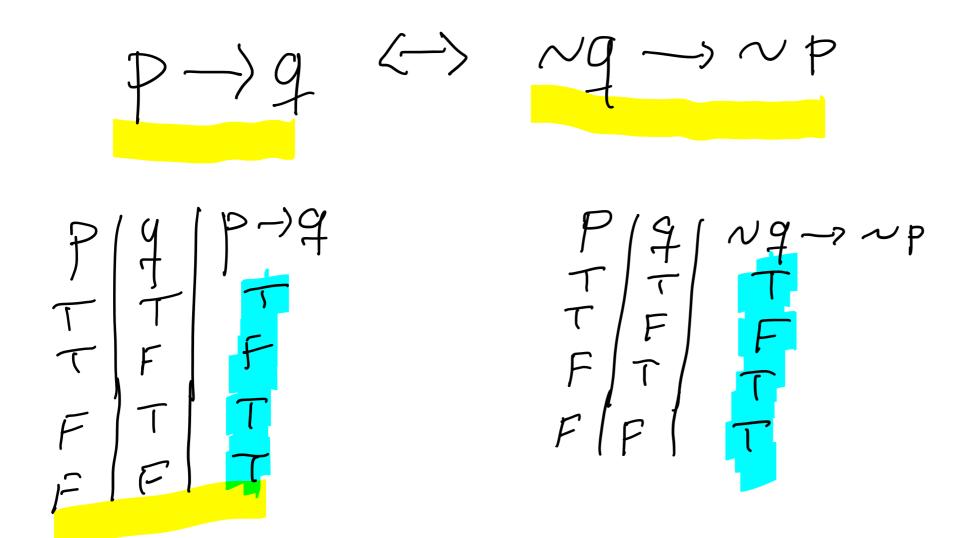
(ONTRA positive



Good food is not cheap If the food is good than it is not cheep. Ng - J Np If the food is cheep then the food is not god. This class is fun, I'll get an A. q-)p frig-inp EIf I don't get an A then this class is not for. Parabox: It's conster intuitive statement. Russell puradox:  $R = \{x \}$   $X \notin X$ X=6 RER <>> RER

$$\frac{2 \text{ ermelor Frenked set theory}}{A}$$

$$\frac{5.4}{(a) \text{ prop}}$$

$$(b) \text{ rep} (f) \text{ rep}$$

$$(c) \text{ rep} (g) \text{ prop}$$

$$(c) \text{ rep} (g) \text{ rep}$$

$$(c) \text{ rep}$$

$$(c) \text{ rep} (g) \text{ rep}$$

$$(c) \text{ rep}$$

$$(c) \text{ rep} (g) \text$$

There is a XEIR such that X3+X=0  $\exists x \in R; x^{3} + x = 0$ 5.8 (a) If a group has prime order than it's cyclic. (b) If the graphs are isomorphic than they have identical degree sequences (g) If on integer is not odd then it's even. ~(p->g) E> (p->y) 5.9. (0) A matrix A is mustible if and only if clet(A) =0. 5.10. (a) ]p; Vg primes: g ≤ p. ~(pug)=npring X - n.X<sup>n</sup> 167 There is a polynomial that is not differentiate. (c) xy = 0 and  $x \neq 0$  and  $g \neq 0$  N(Pvg) = NpMq(d) minisodd and misnifodd or nisnifodd. Il pisprime and TPEG  $(f) \exists \varepsilon > 0; \forall N: n > N \text{ and } [a_n - a] \ge \varepsilon.$ (b) I pass Algebra I and Analysis I this semister and I won't take Algebra IF and I wan't take Analysis I wext semester. 5.12.

If a=30°, 6=50° then c=100°

$$\frac{10n00551}{10}: \text{ If } c = 105 \text{ Hen } a = 30 \text{ and } b = 50 \text{ (Felle)}$$
  
5.16  $P \land q \land T$   
Falle  
Falle  
 $Falle$   
 $Falle$