15E Nt (7 squ v 7 fog) -) (sace n dew)

(sace) -) (tophy) -) deny the conclusion

7 sace - Modus Follens

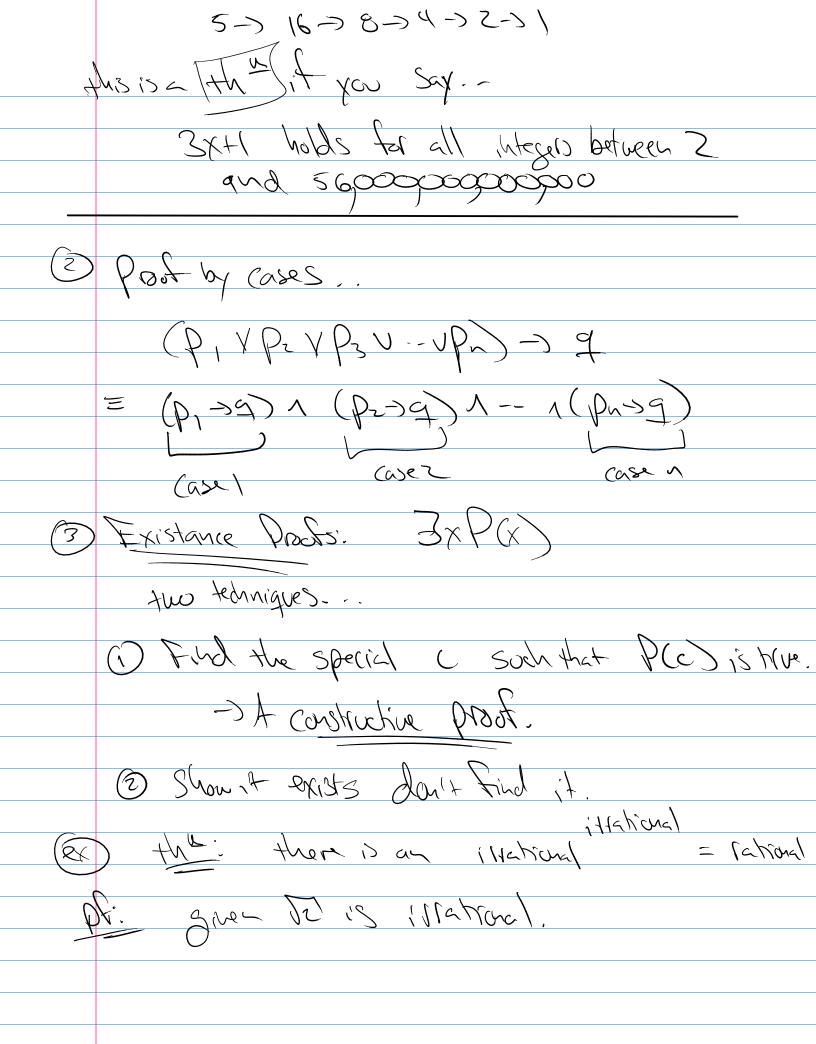
7 (sam n fog) -) (sace n deno)

7 (sam n fog) -) sace 7 pale · · · · · · · · · Vacuos Trives trubology A Mark is the pres , then 1+1=2 assure hyp and show conclusion

Indpred. 1) Contrapositive. (Sum 7 condomin > 7 hyp 3 Contradiction (show: 7(hyp >can) = F) (hxp 17 con) = F 1 Exhashire Proots Stor. HxP(x) is Hue it Donah is "Swall" $(\forall x P(x) = P(x) \land P(x_2) \land \neg \land P(x_n)$ 3x+1 Conjecture. A Maxbe theorem Start with any pos. integer ≥ 2 .

O it it is even divide by 2. $\leq \log p$.

E fit is odd $\rightarrow 3 \times +1$. all nouses will go to 1. 3->10->5->16->8->1->2->1



50 case 7 (Cade 2 (National Charal 50° () = 12 = Z ghal JZ i) sahore = illational Los (T2 1) sational = wational x + 2 = 2 Conjecturs. x1 xy = 2 122 73 = 23 N= 233/1)