Lechere 12

Definition

A prop. formula 4 on
$$\Omega$$
 is a toutology iff $4/3 = T$ for any assignment p to Ω .

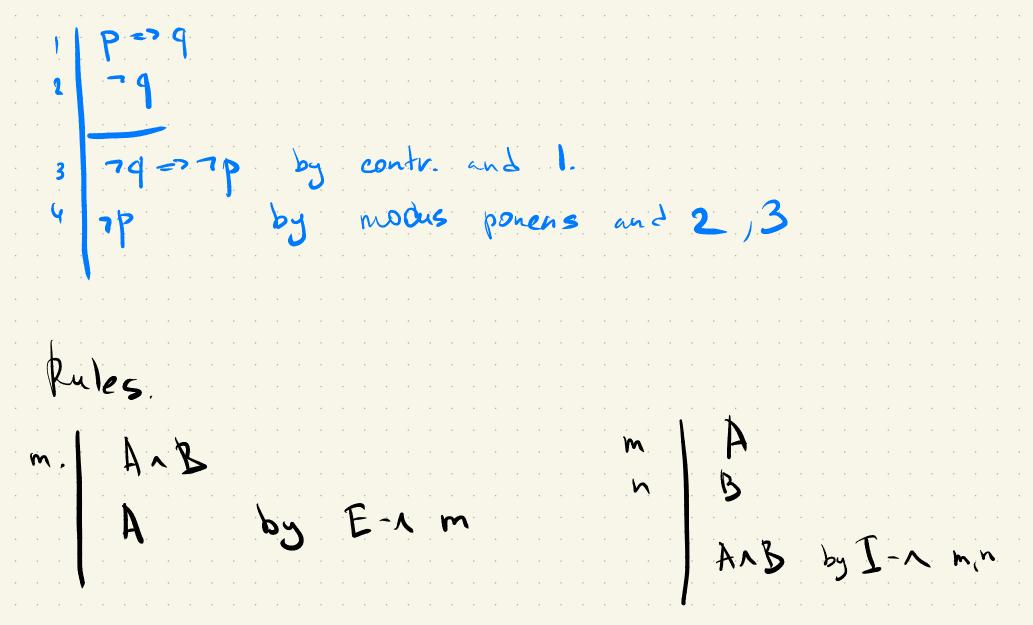
longideer
$$V = (7xyy) \wedge (7xyy) \wedge (7xyy) \wedge (7xyy) \wedge (7xyy)$$

We need Examples! Assumptions - If Joe is a good Boy, I p->9
then Joe has a present for Christmas. Joe is a good boy -Condusion Joe hos a present. Let p denote , Joe is a good Boy's
q denote , J. hois a present

 $((p=7q)\Lambda P)=79$ is a toutology.

Assumption - If x + 0, then x2+0 C Conclusion: it x2=0, then Jenofe 4 Jenote 12 (p=) 29) => (4=>p) (5 a toutology. (p-79) => (79-> >p) is a tout.

Assumptions: if x=9, then 2 is not equal to 0 Condusion: if x to then x to



5 m A = 1 = contr

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