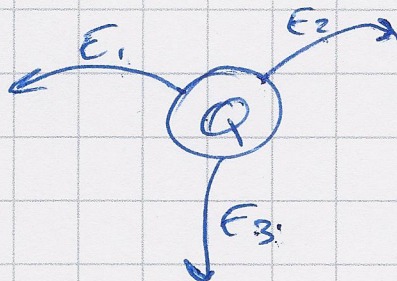


CS 531 - Assignment 2 ~~challengely~~

Rule 1.1 -



$$\begin{aligned} E_1 &\neg E_2 \\ E_1 &\neg E_3 \\ E_2 &\neg E_3 \end{aligned}$$

ET CETERA.

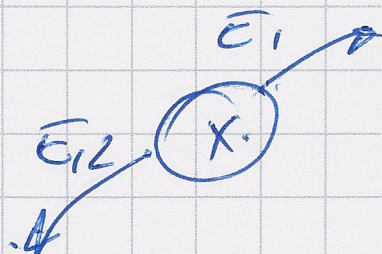
ETC.

ET

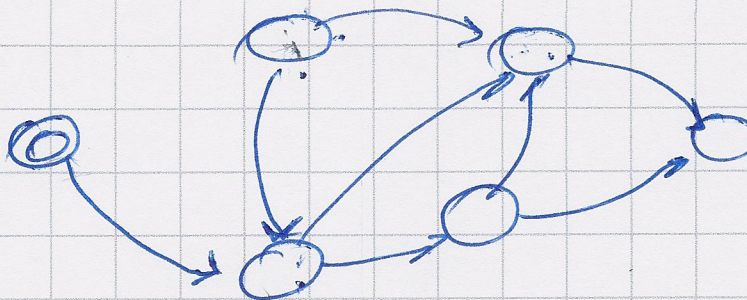
ET ET

$$E_1 - (\cancel{1, \cancel{E_2}, \cancel{1_3}}) | (1, \cancel{1_2} | 1_3).$$

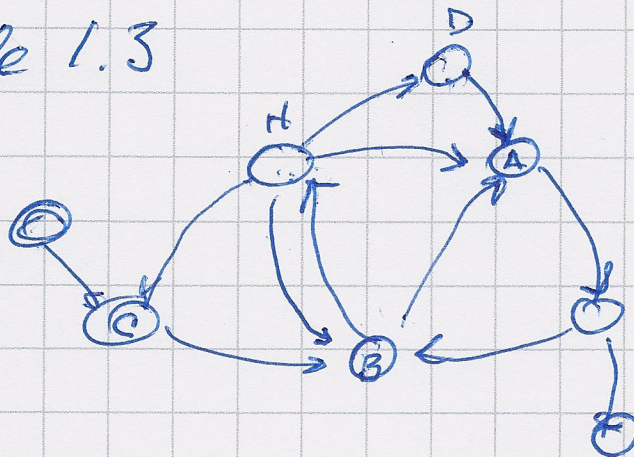
$$E_{12} - (1, \& 1_2) | (\cancel{1, \& 1_2, \& 1_3})$$



Rule 1.2 -



Rule 1.3



$A \rightarrow \text{safe}(C)$
 $\text{safe}(A)$
 $\text{safe}(B)$

$\star \text{hazardous}(x) \neq \text{not}(\text{safe}(x))$
 $A \rightarrow \text{hazardous}(A)$
 $\quad \quad \quad \rightarrow \text{safe}(A)$

Rule 1.4

