

S, →, L
KRIPKE

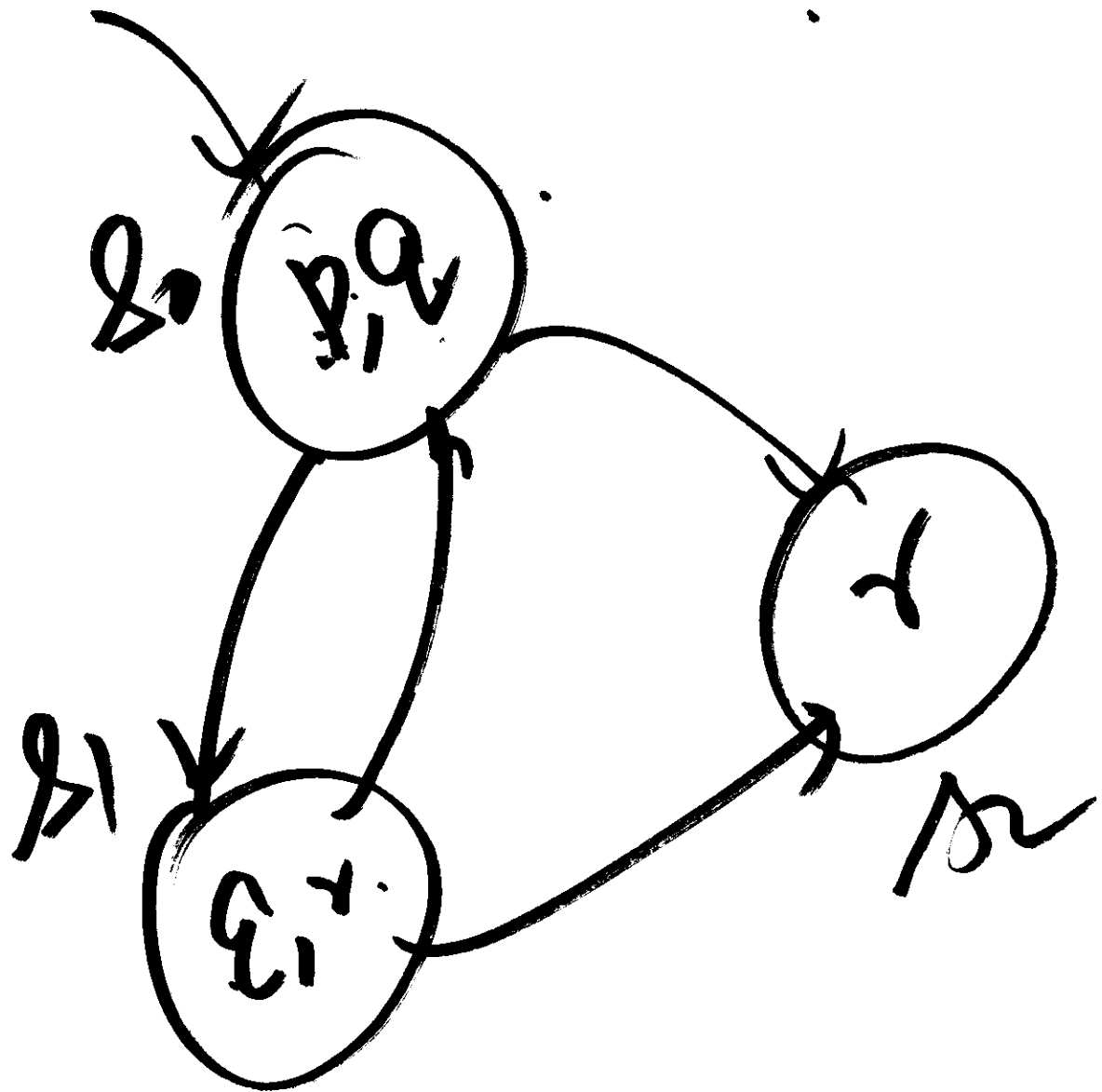
Prof. V.K. Singh
Lec-12
18/6/12

$$\frac{LTL}{CTL}$$

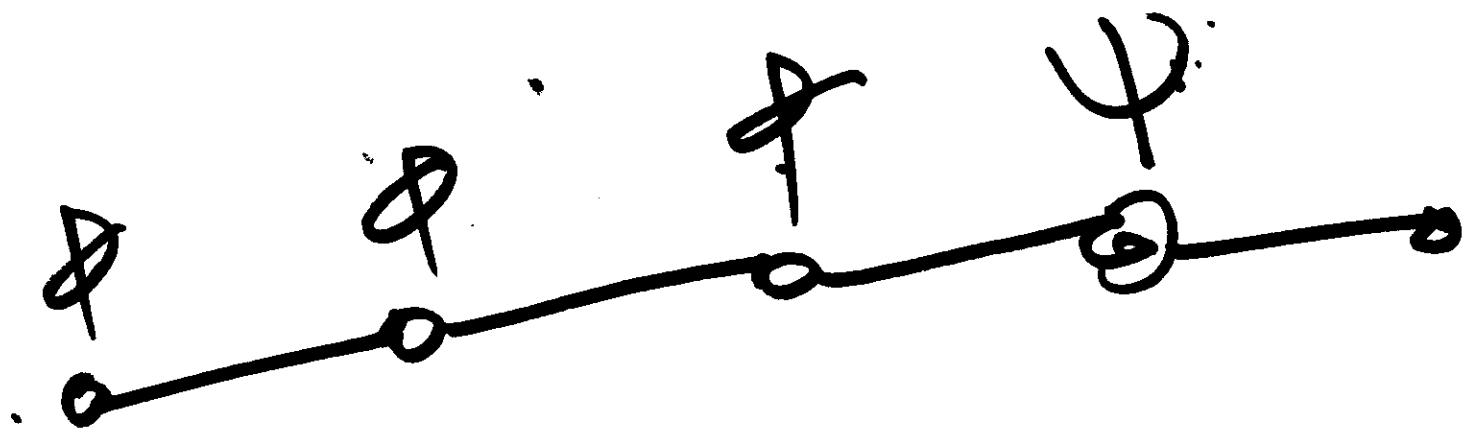
M I E

M I E

$T \sim T = 1$

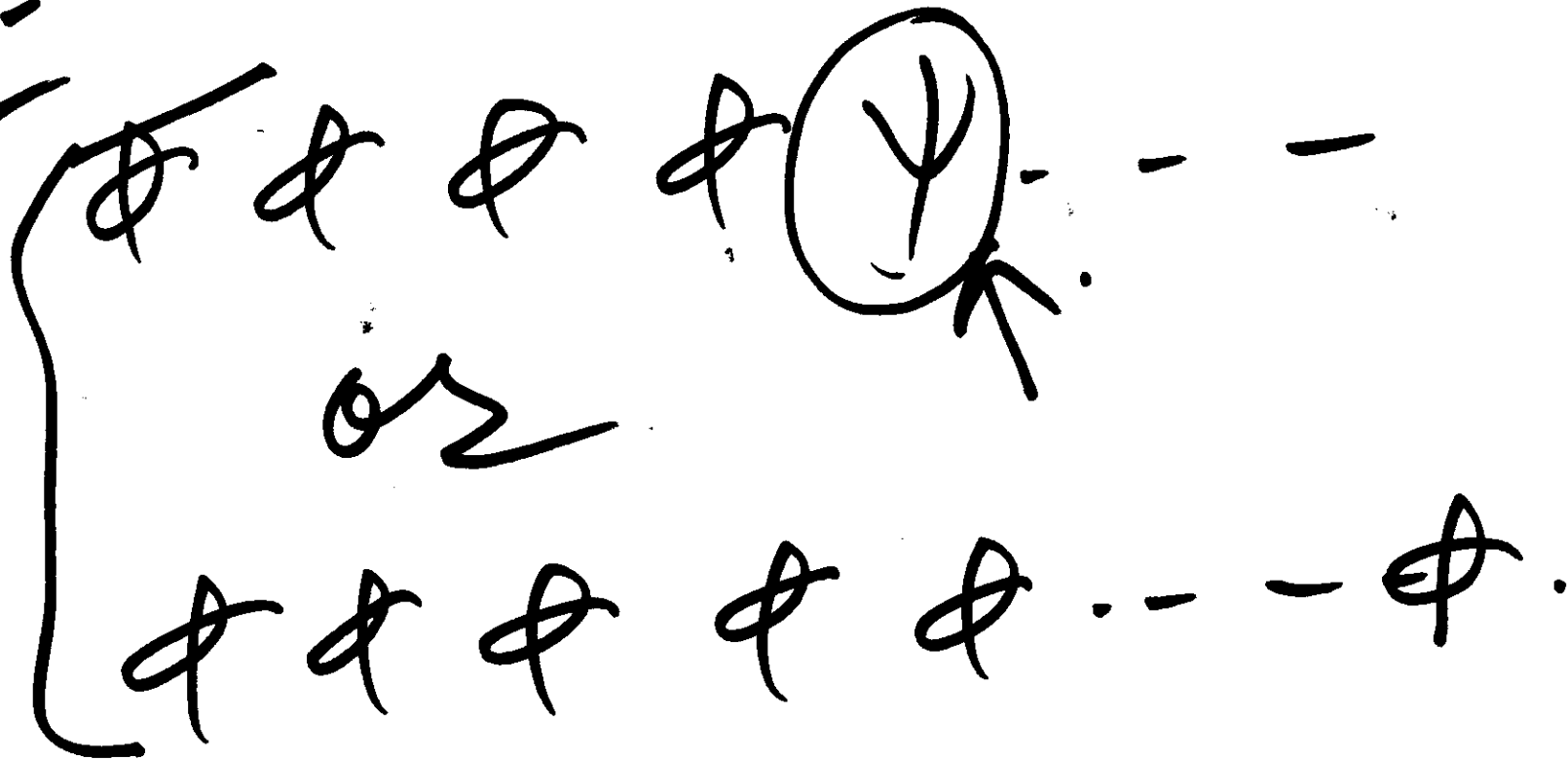


$\phi \wedge \psi$
 $\phi \vee \psi$
 $\phi \rightarrow \psi$



$\phi \cup \psi$

$\phi W \psi$ =



$\phi \quad \phi \quad \phi \quad \psi \quad \dots$

$\phi \quad \phi \quad \phi \quad \phi \quad \psi \quad \dots$

$$\neg \underline{G \phi} \equiv F(\neg \phi)$$

$$\begin{array}{c} \phi \quad \phi \quad \phi(\neg \phi) \quad \dots \quad \neg \phi \\ \hline \uparrow \\ \underline{F(\neg \phi)} \end{array}$$

$\phi \phi$

$(\phi) \phi$

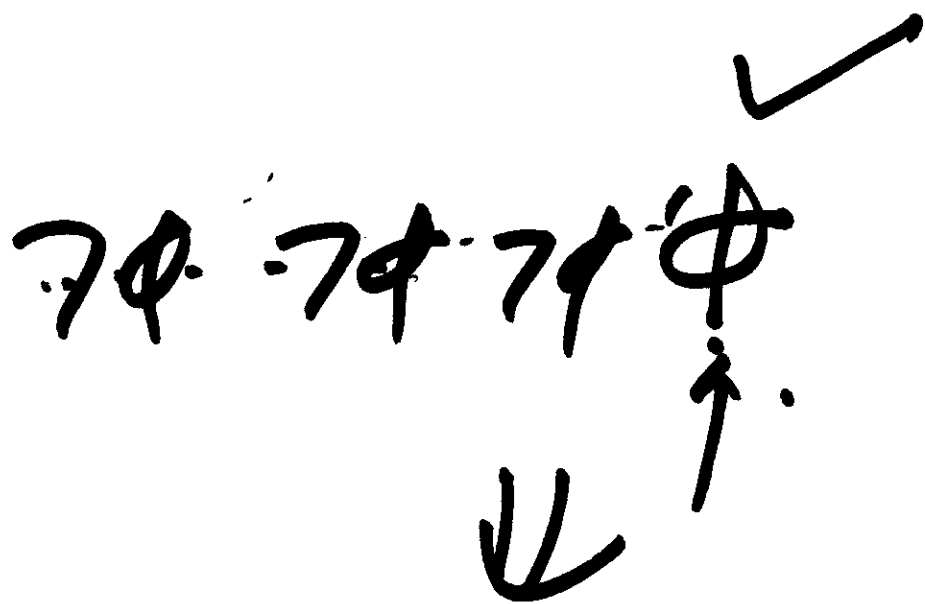
$\neg \chi \phi$

$(\neg \phi)$

$(\neg \phi)$

$\neg \chi \underline{(\neg \phi)}$

$$F\phi \equiv \textcircled{T} \cup \phi$$



$\psi \psi \psi \psi \psi \psi \psi \dots$

ω

$\uparrow \underline{E\psi}$

$\psi \psi \psi \psi \psi \psi \psi \dots$

$\dots \psi$

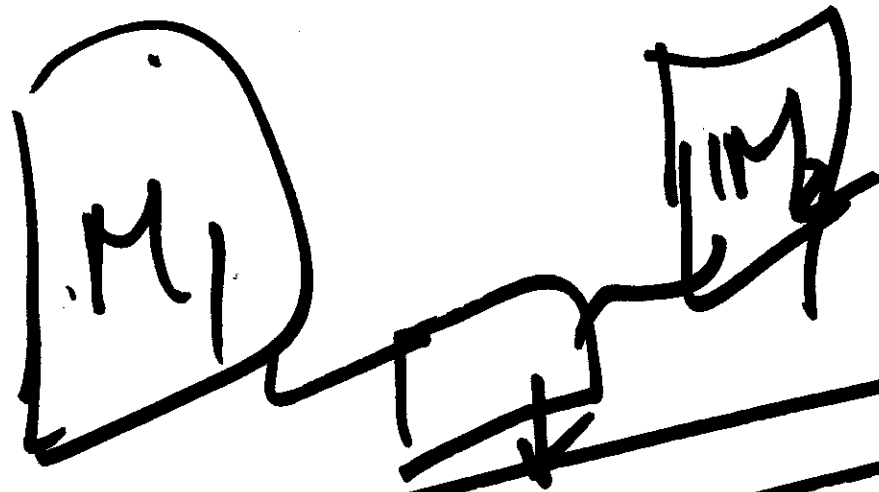
\neg \vee

\neg \wedge

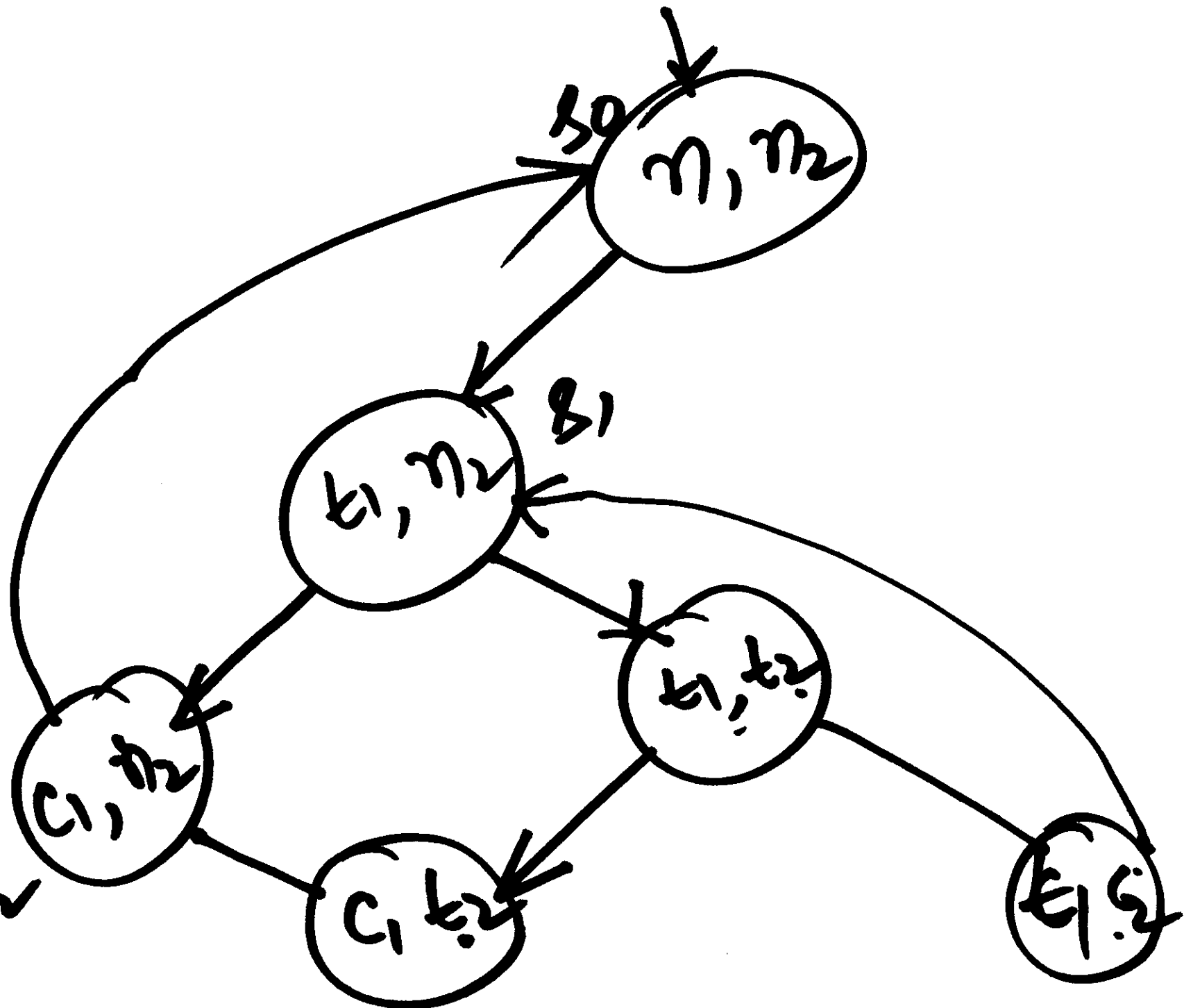
$\&$ U, X

R, X

W, X



ide - 7
reg - 7
critical path - C



$$G(\neg(G \wedge G))$$

$$\left\{ \begin{array}{l} G(x_1) \rightarrow FC_1 \\ \wedge G(x_2) \rightarrow FC_2 \end{array} \right.$$

G G₂ G G₂ G G₂

G G G G₂ G G

~~$\gamma(G \cap G_2)$~~

$G(A) \rightarrow FG$

$\rightarrow s_0 s_1 s_3 s_7 s_1 s_3 s_7 \dots$

A-E

X

E

Xφ

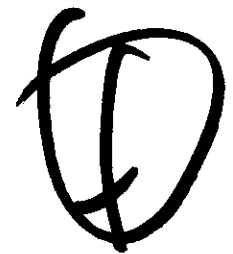
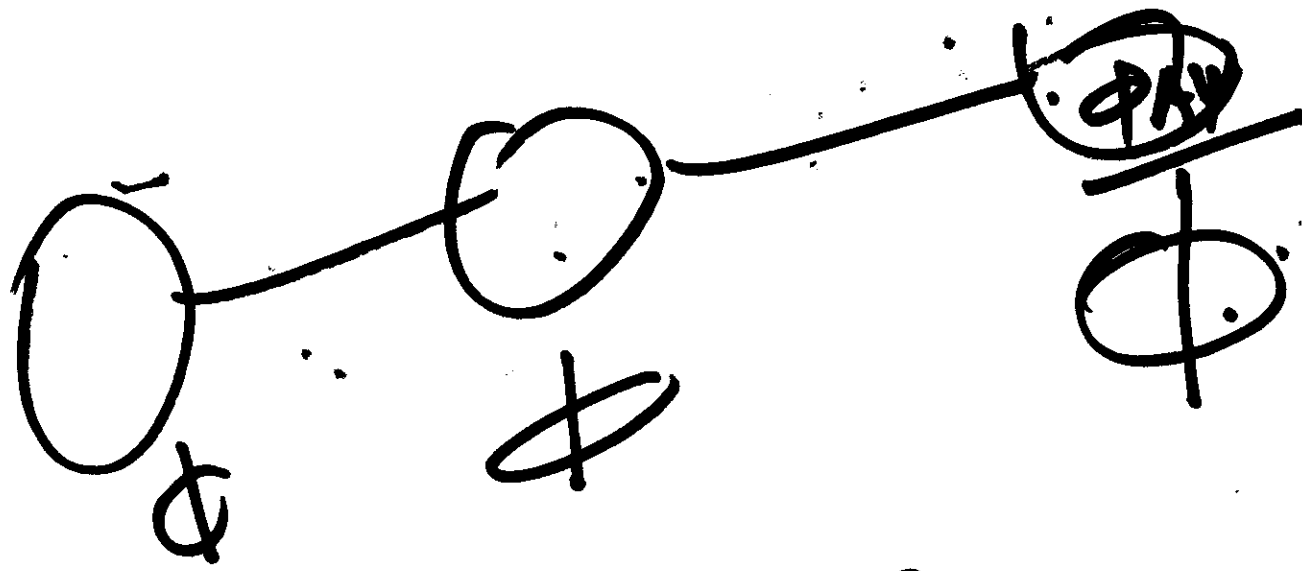
AX

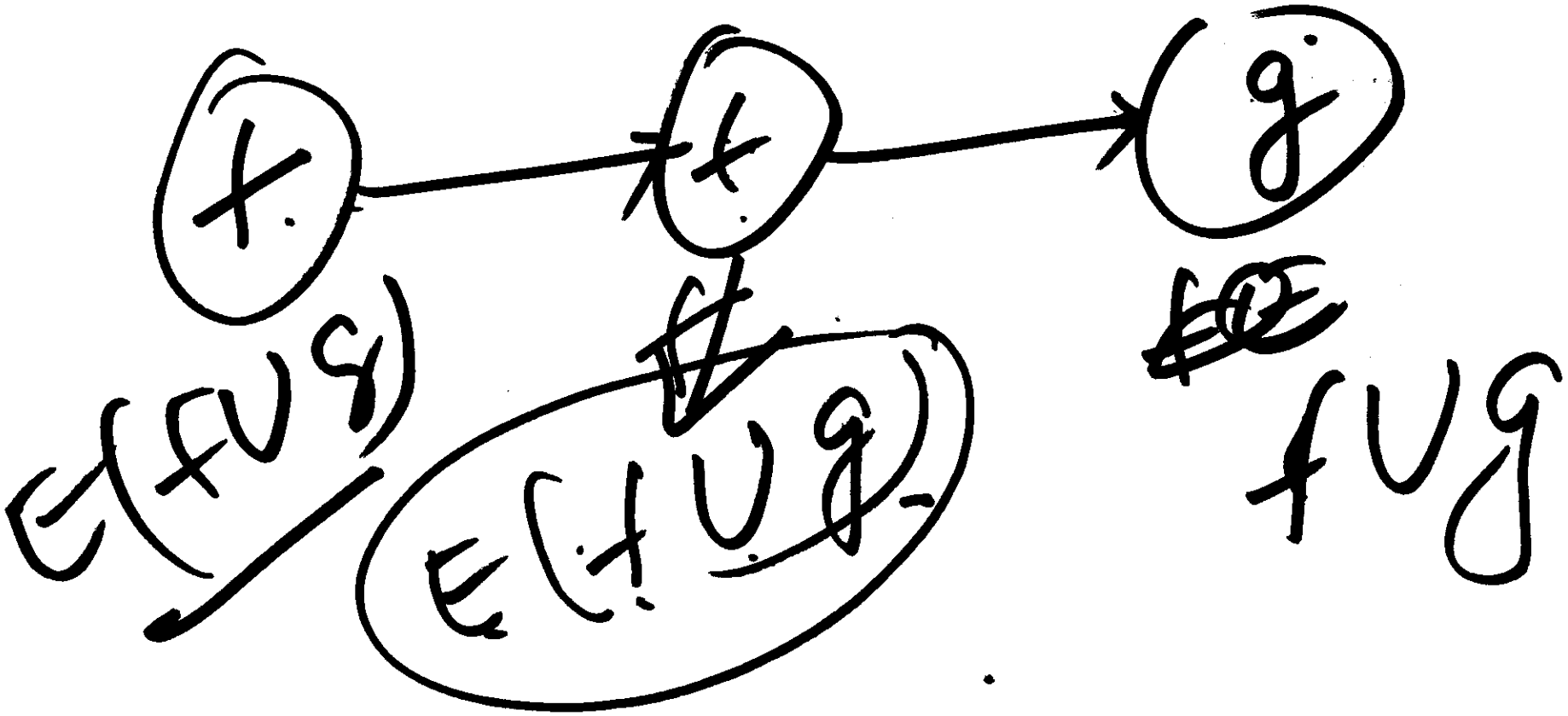
EX

EF

AF

✓ A.G.M. → Ext 1)





MIF?