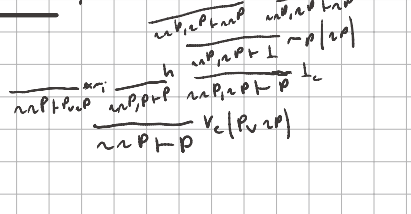
TD 5 : logique classique

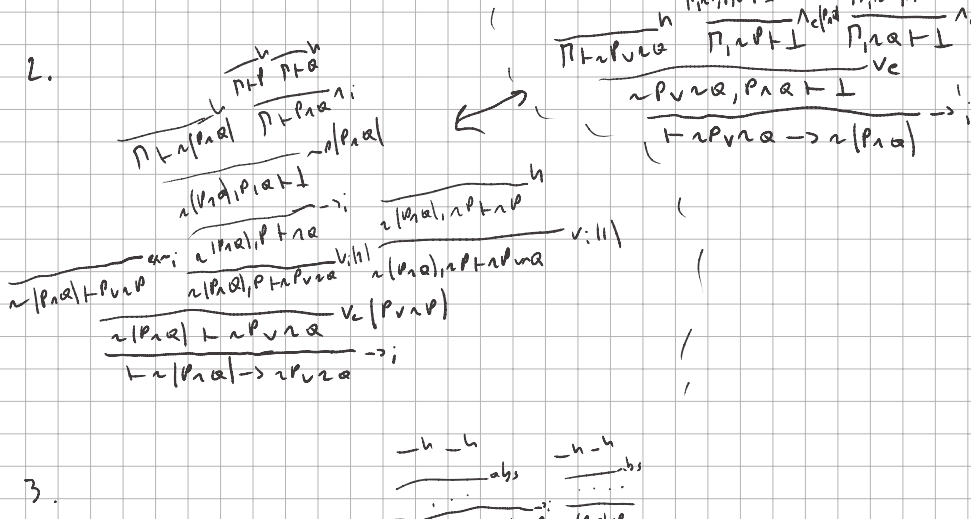
$$\frac{}{\Gamma \vdash P \vee \neg P}\ \text{exm}$$

Exercice 1 :

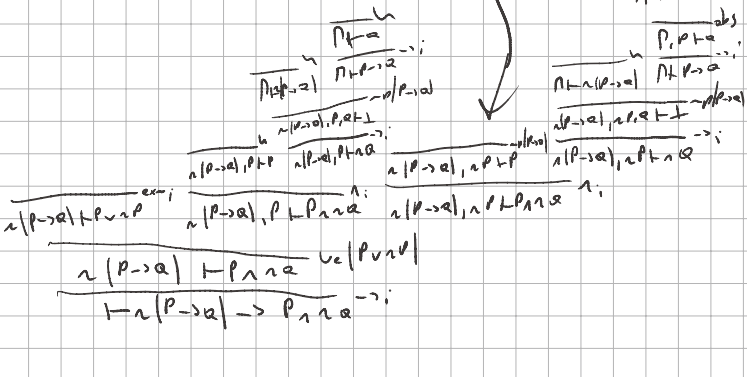
1.

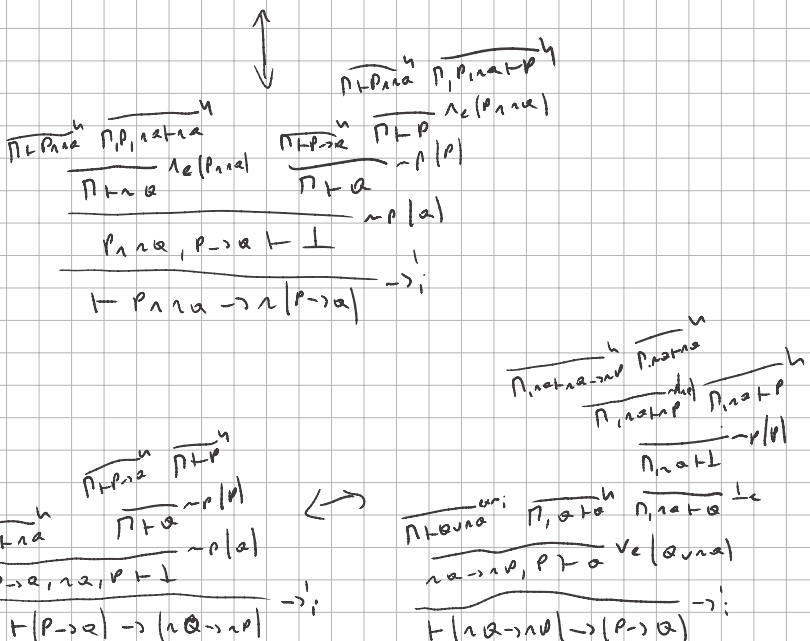


2.

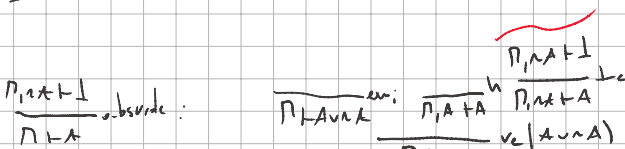


3.

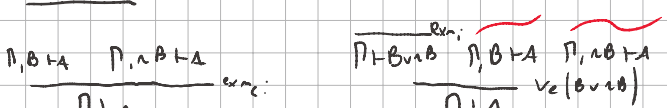




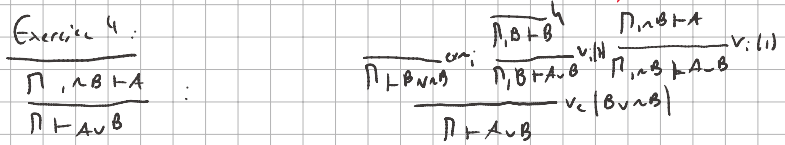
Exercice 2 :



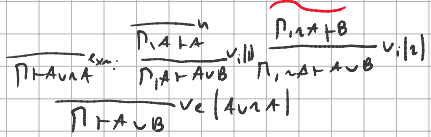
Exercice 3



Exercice 4 :

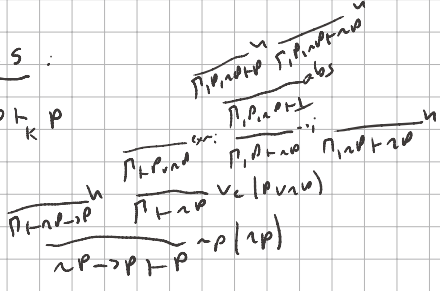


$$\frac{\Pi, \neg A \vdash B}{\Pi \vdash A \vee B}$$

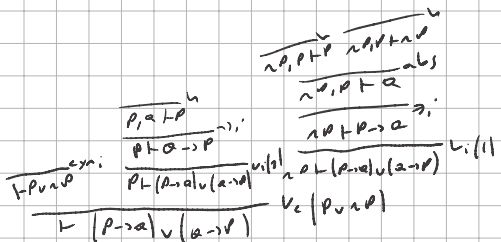


Exercice 5 :

$\neg P \to P \vdash_K P$



$\vdash_K \ (P \to Q) \vee (Q \to P)$



Exercice 6

$P \to (Q \vee R) \equiv_K (P \to Q) \vee (P \to R)$