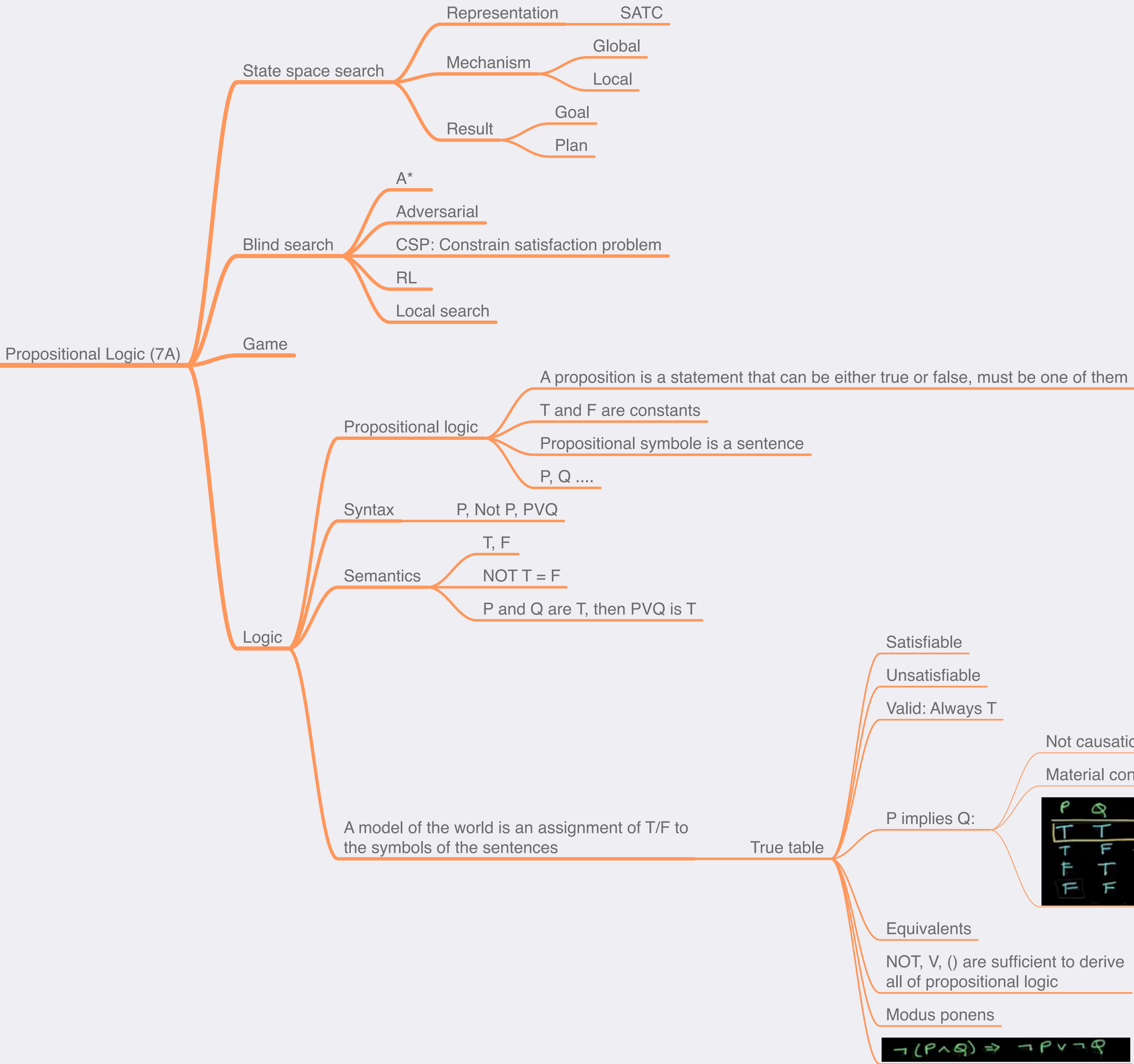
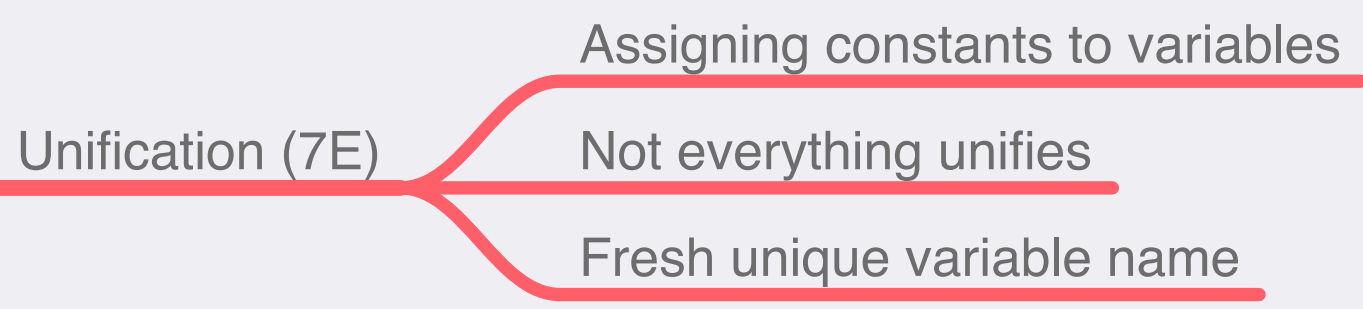
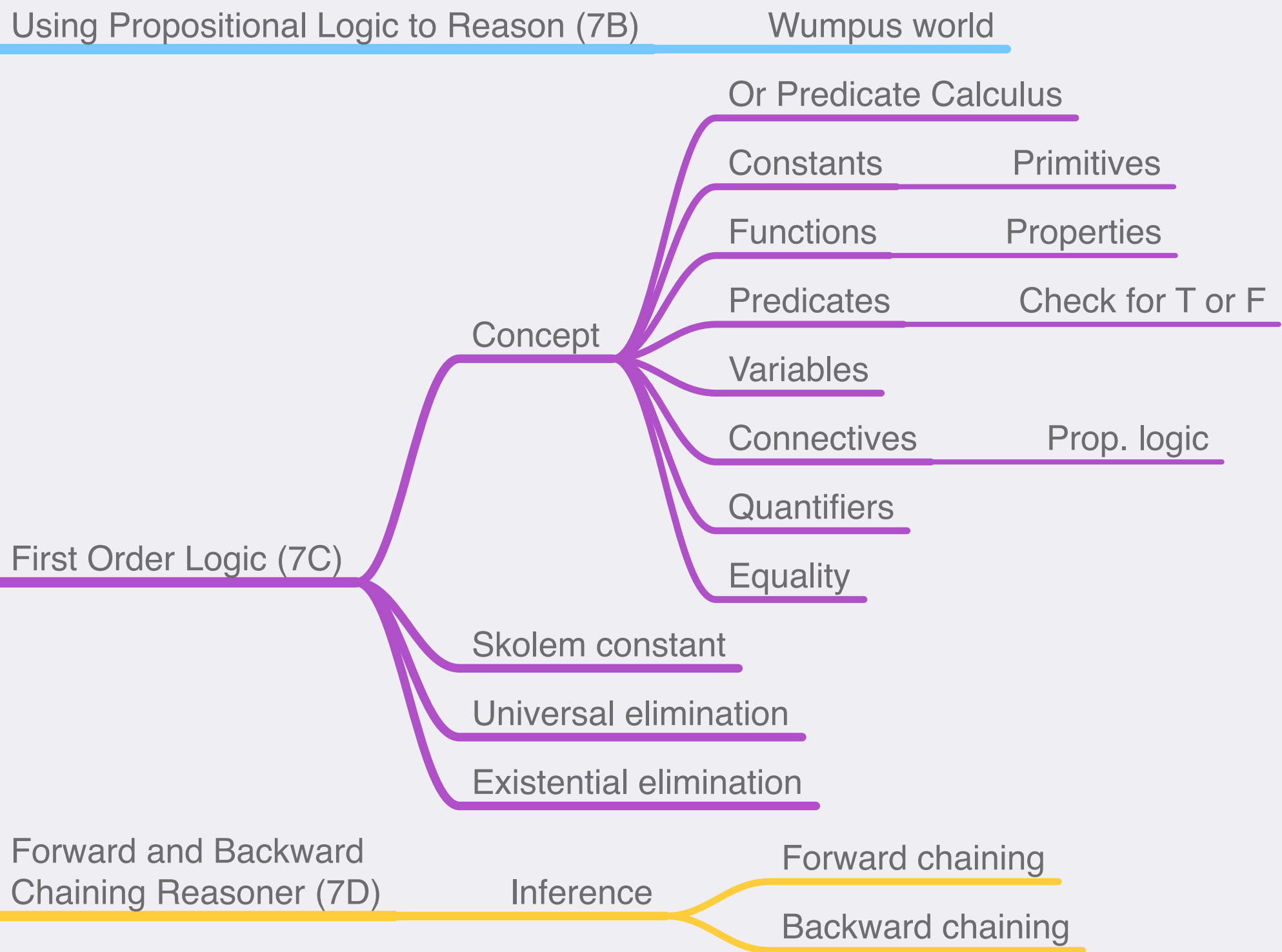


W07



P	Q	P → Q
T	T	T
T	F	F
F	T	T
F	F	T

$$\neg (P \wedge Q) \Rightarrow \neg P \vee \neg Q$$

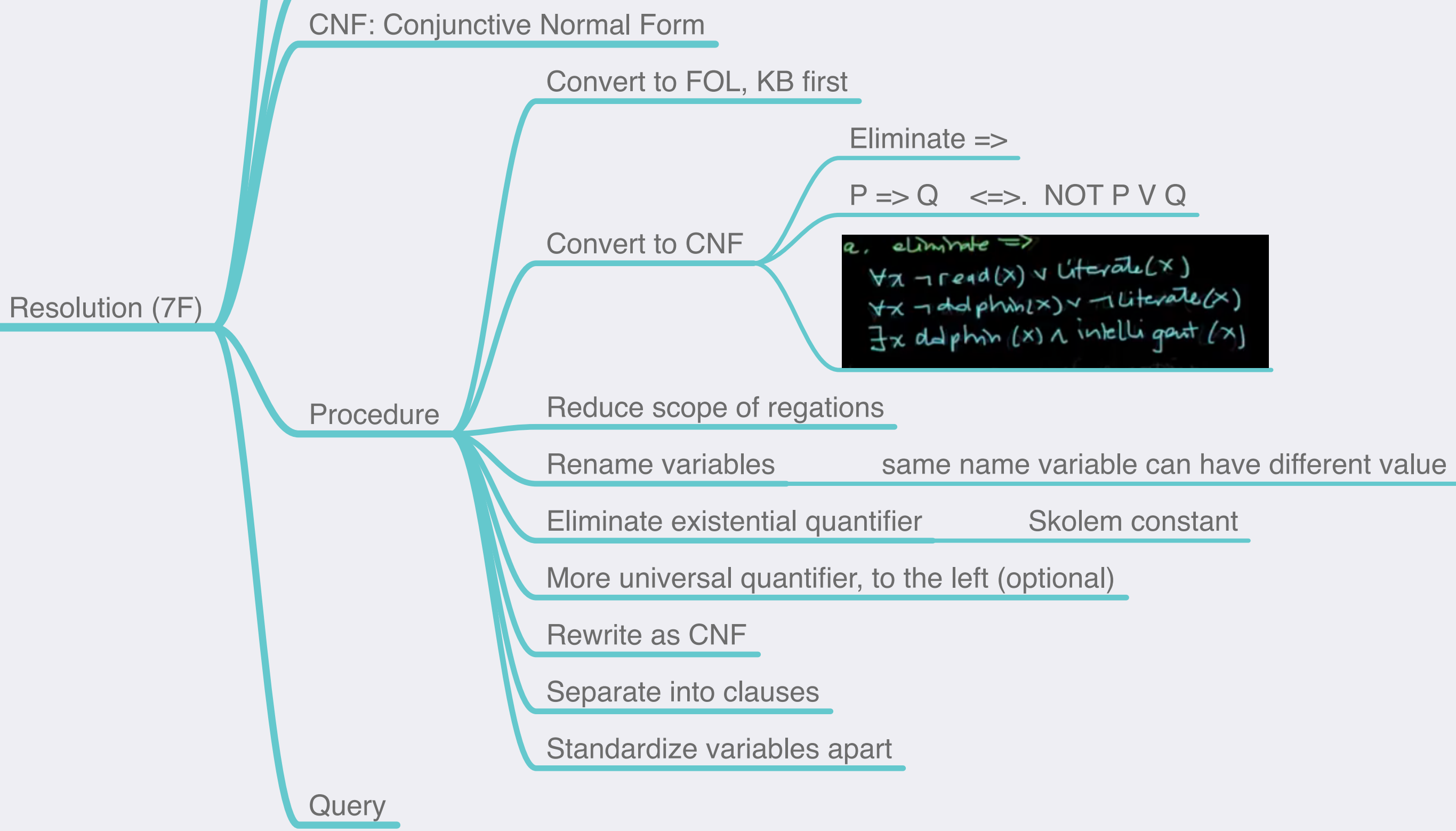


unit resolution

$$\frac{P \vee Q \quad \neg Q}{P}$$

resolution

$$\frac{P \vee Q \quad \neg Q \vee R}{P \vee R}$$



2. eliminate  $\Rightarrow$

$$\forall x \neg \text{read}(x) \vee \text{literale}(x)$$
$$\forall x \neg \text{dolphin}(x) \vee \neg \text{literale}(x)$$
$$\exists x \text{dolphin}(x) \wedge \text{intelligent}(x)$$