

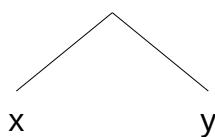
Where  $x$  and  $y$  are any PC-WFFs,

$$\sim\sim x$$

$$\mid$$

$$x$$

$$x \vee y$$



$$\sim(x \vee y)$$

$$\mid$$

$$\sim x$$

$$\mid$$

$$\sim y$$

$$x \wedge y$$

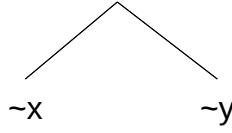
$$\mid$$

$$x$$

$$\mid$$

$$y$$

$$\sim(x \wedge y)$$



$$x \rightarrow y$$

$$\mid$$

$$y$$

$$\sim(x \rightarrow y)$$

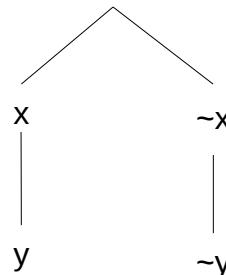
$$\mid$$

$$x$$

$$\mid$$

$$\sim y$$

$$x \leftrightarrow y$$



$$\sim(x \leftrightarrow y)$$

$$\mid$$

$$y$$

$$\mid$$

$$y$$