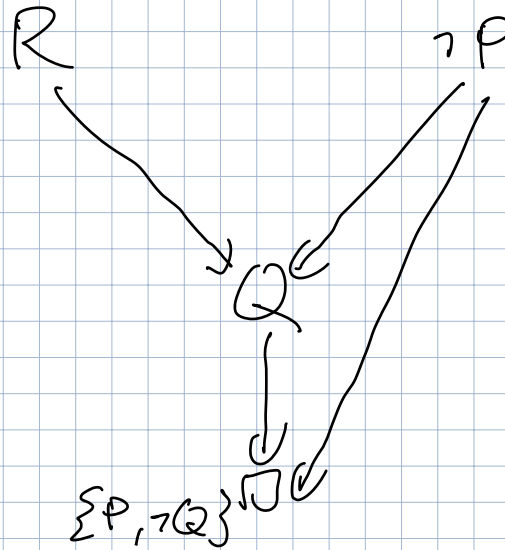
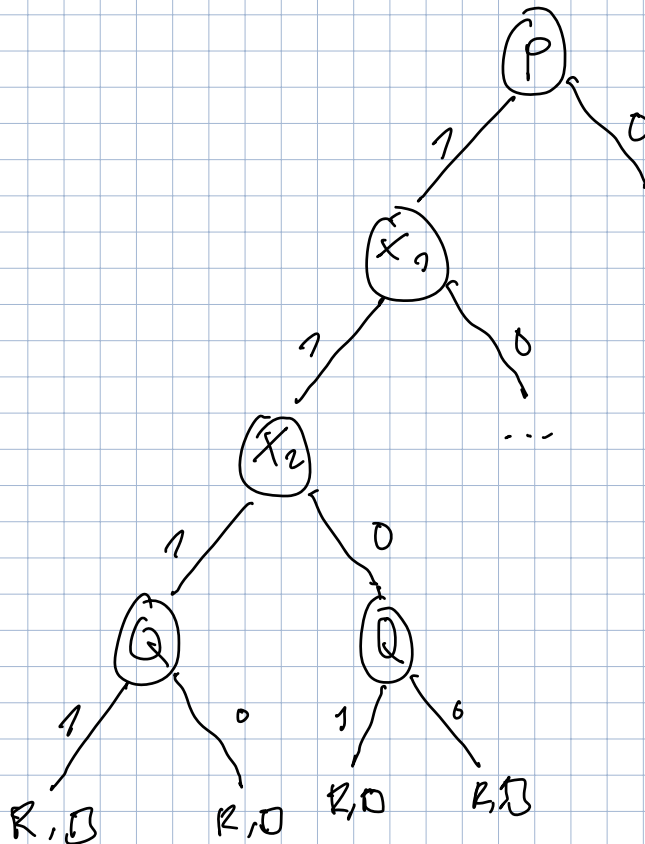


Slide 31

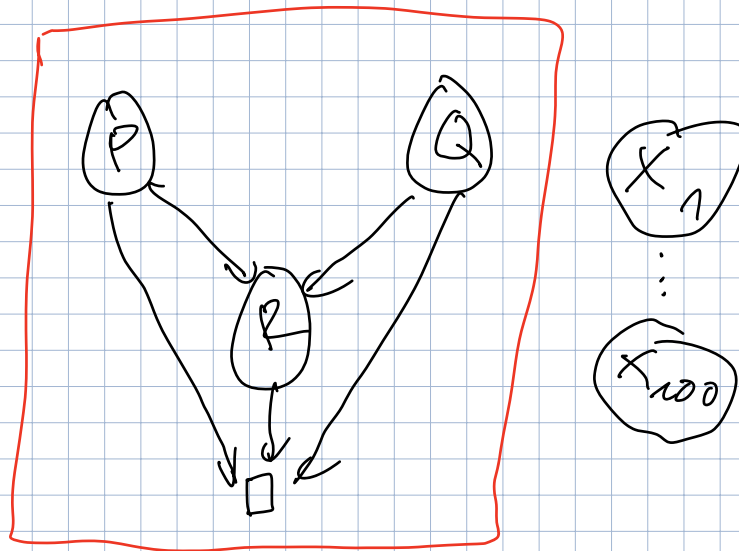


Slide 14

$$\Delta = \{ \{ \neg P, \neg Q, R \}, \{ \neg P, \neg Q, \neg R \}, \\ \{ \neg P, Q, R \}, \{ \neg P, Q, \neg R \}, \\ \{ X_1, \dots, X_{100} \}, \{ \neg X_1, \dots, \neg X_{100} \} \}$$



Slides 32, 34, 42, 43



$$\Delta \models P \wedge Q \longrightarrow \perp$$

$$\Delta \models \neg(P \wedge Q \vee \perp)$$

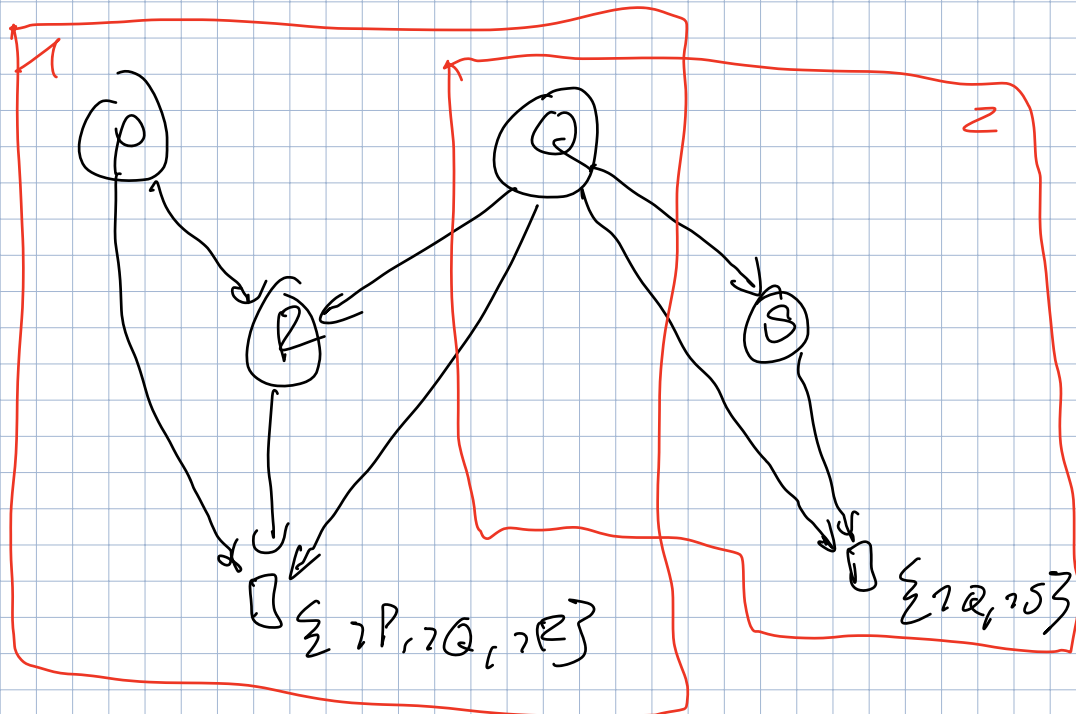
$$\Delta \models \neg P \vee \neg Q \vee \perp$$

$$\Delta \models \neg P \vee \neg Q$$

$$\Delta \models \{\neg P, \neg Q\}$$

$$\Delta := \Delta \cup \{\{\neg P, \neg Q\}\}$$

Slide 38



Slides 44, 45, 46

$$\Delta + \{\neg P, \neg Q\} + \{\neg P\}$$

