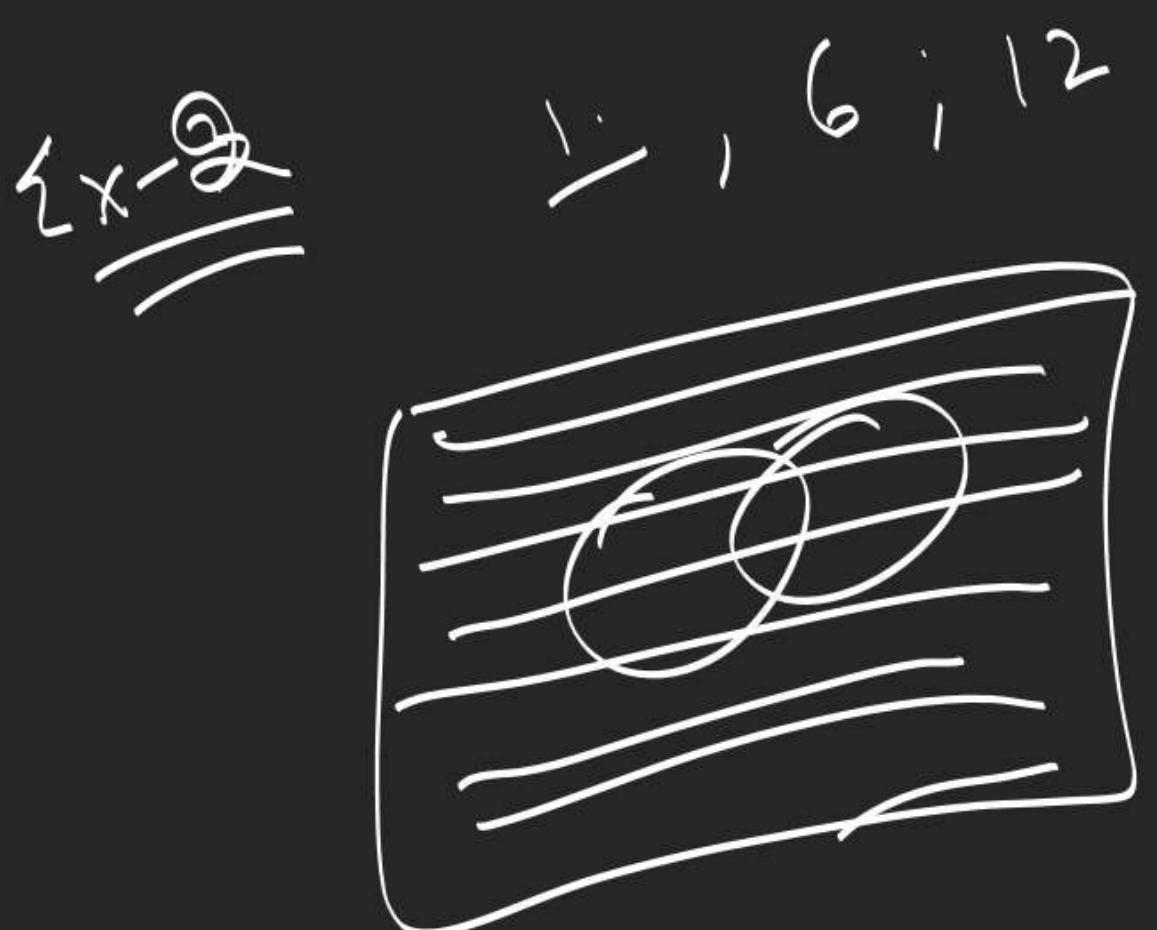
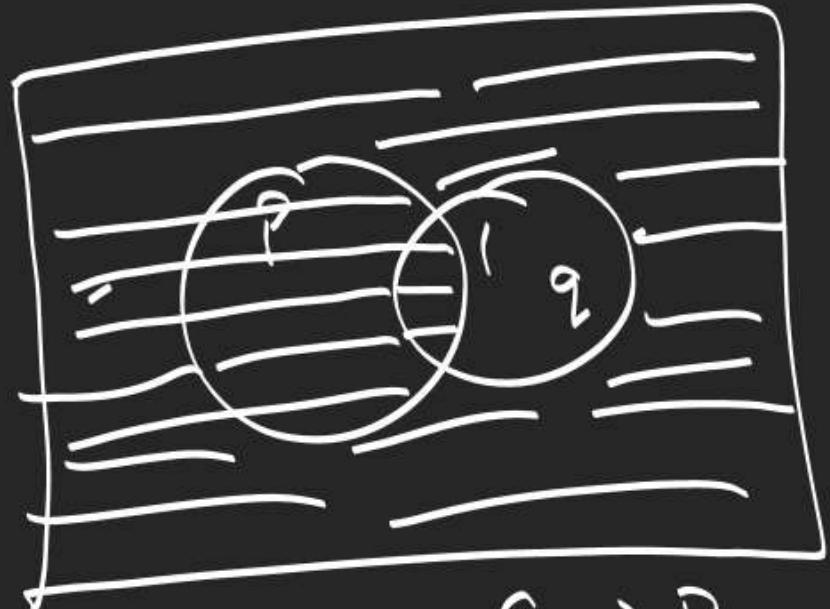
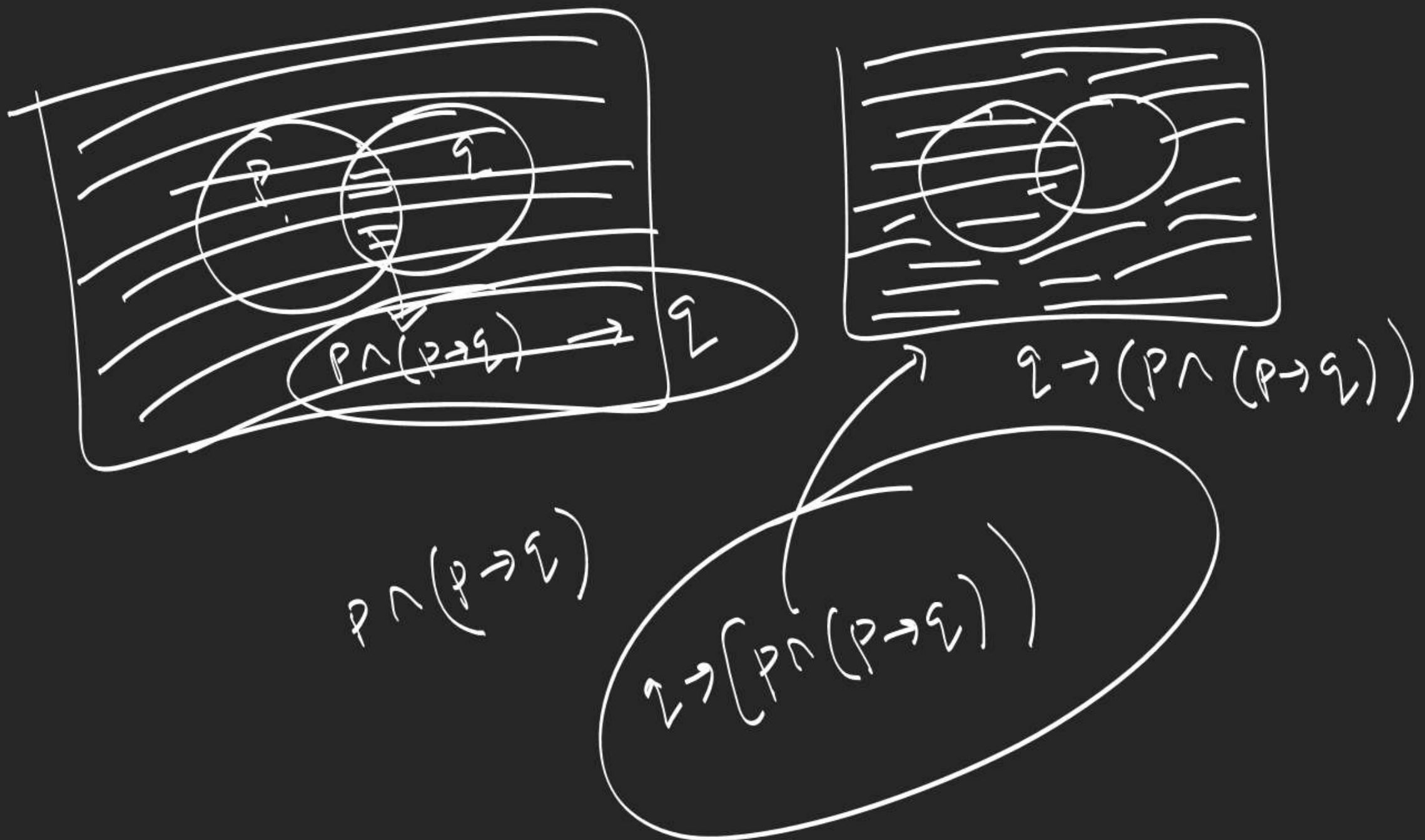


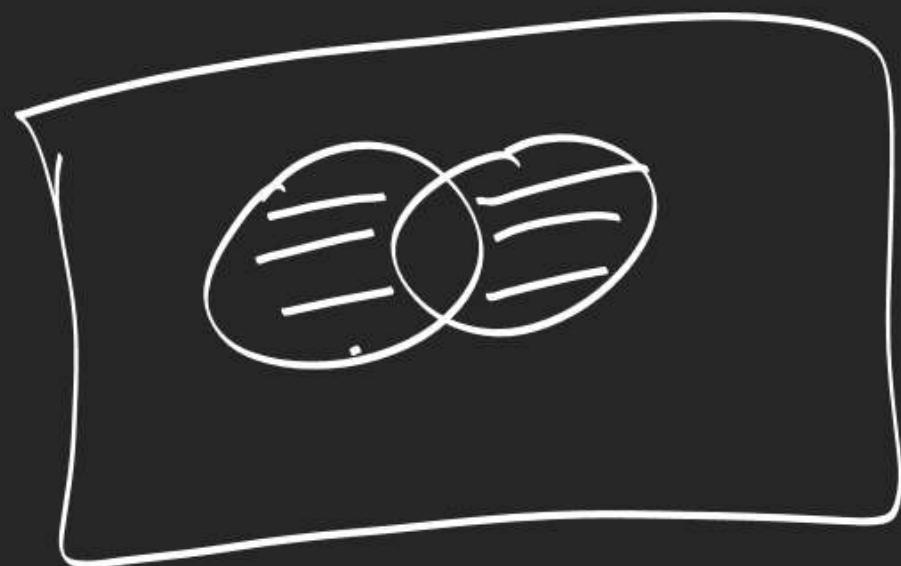
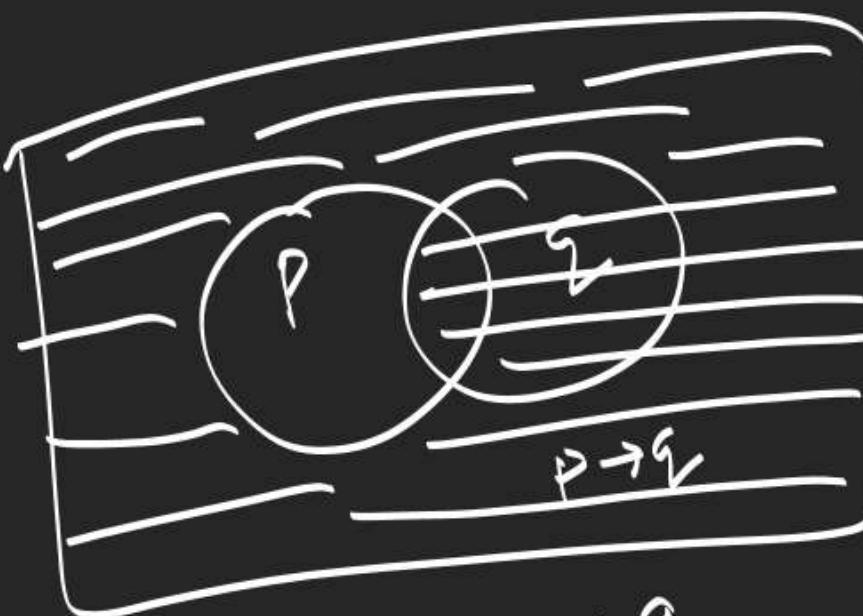
RW \rightarrow DPP-S +
 $\Sigma_x - \Gamma$ (DE)



$\varnothing \rightarrow P$

$P \rightarrow (\varnothing \rightarrow P) \rightarrow \text{Tautology}$

6. / 12

15 / 16 ϕ 

$$\begin{array}{c} \sim p \vee q \\ p \rightarrow q \\ \sim q \rightarrow \sim p \Rightarrow q \vee \sim p \end{array}$$

$$n = m k$$

$$n^2 = m^2 k^2$$

$$\begin{array}{ccc} 18 & \nearrow 36 \\ & \equiv \\ & (36)^2 \end{array}$$

$$\begin{array}{c} n = p_1^{a_1} p_2^{a_2} \dots \\ \Rightarrow n^2 = p_1^{2a_1} p_2^{2a_2} \dots \\ \text{P.T.} \quad \equiv \quad n \end{array}$$

16:

\checkmark	\checkmark
P	Q
T	T
T	F
F	T
F	F

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

\checkmark	\checkmark
$\sim P$	$\sim Q$
F	F
F	F
F	T
T	

$$P \rightarrow (\sim P \wedge \sim Q)$$

F	F
F	T
T	
T	