

HW  $\rightarrow$  DPP-5 +  
Ex-VI (DE)



$Q \rightarrow P$

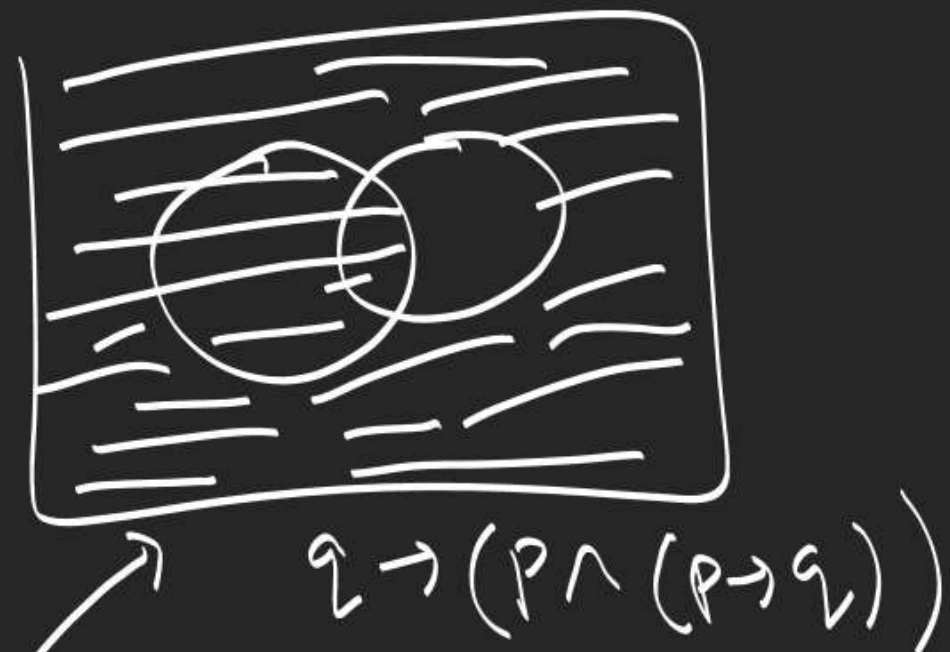
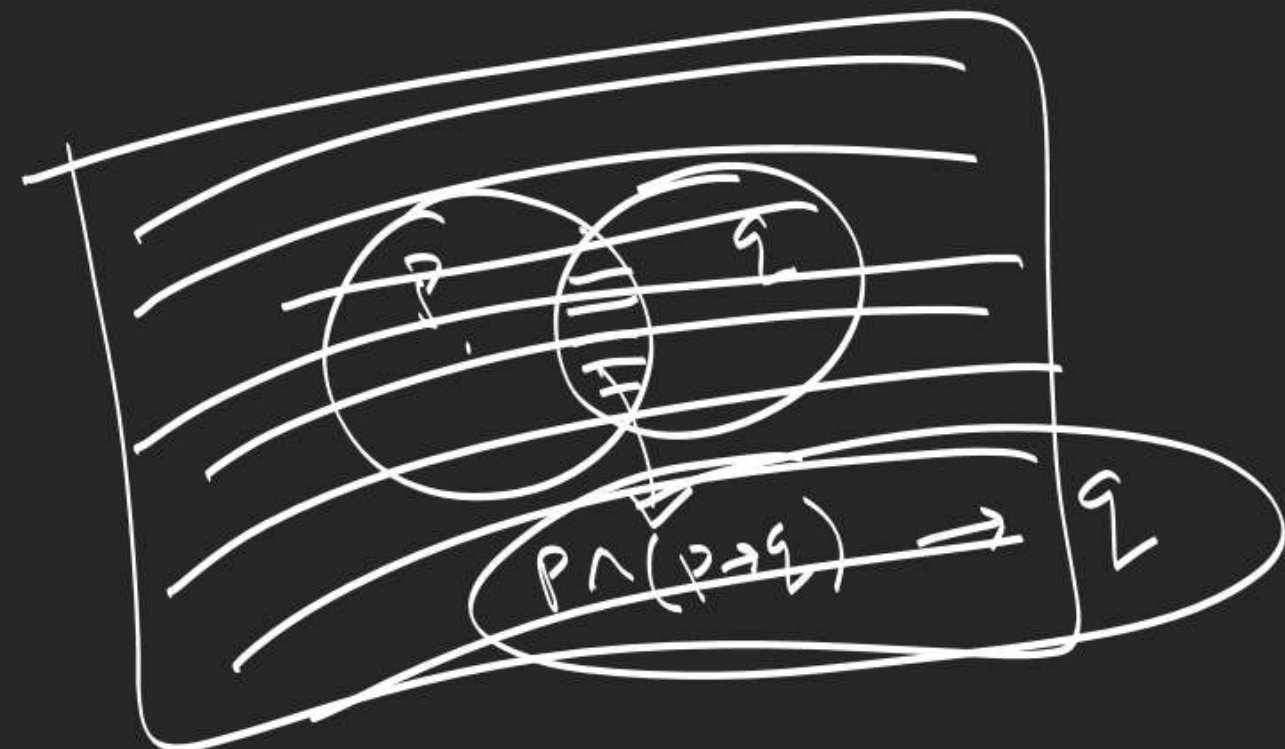
Ex-II      1, 6, 12



$P \rightarrow (Q \rightarrow P)$

$\rightarrow$  Tautology

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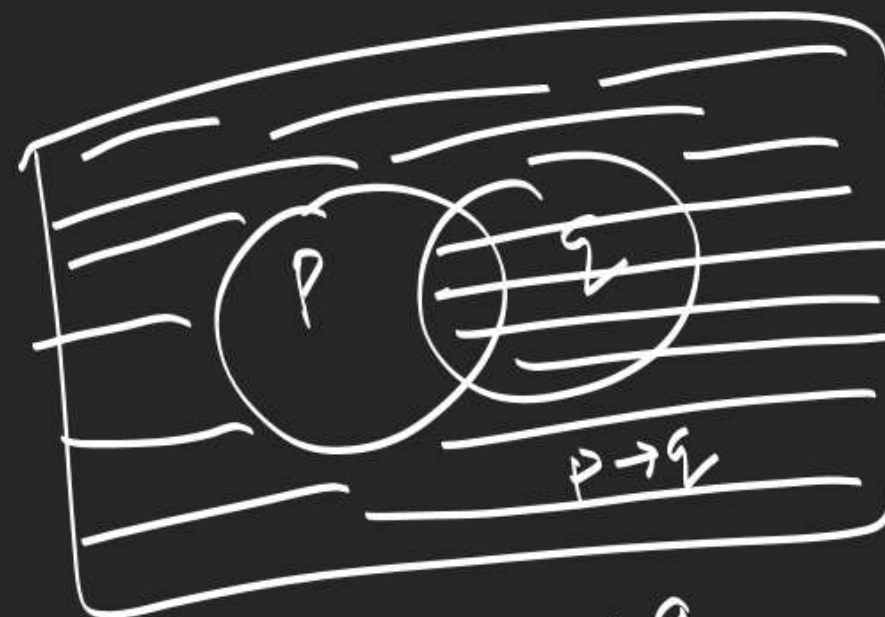
$$p \wedge (p \rightarrow q)$$

$$q \rightarrow (p \wedge (p \rightarrow q))$$

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$\Phi$



$$p \rightarrow q$$

$$\sim q \rightarrow \sim p \Rightarrow q \vee \sim p$$

$$\sim p \vee q$$

$$h = mk$$

$$h^2 = m^2 k^2$$

$$\frac{18}{18} \rightarrow \underline{\underline{36}} \quad (36)^2$$

$$h = p_1^{a_1} p_2^{a_2} \dots$$

$$\frac{p_k}{p_k} = \frac{h}{h}$$

$$1 = 1$$

16.

$p$	$q$
T	T
T	F
F	T
F	F

$$\sim p \wedge \sim q = (p \vee q)$$

$$p \rightarrow (\sim p \wedge \sim q)$$