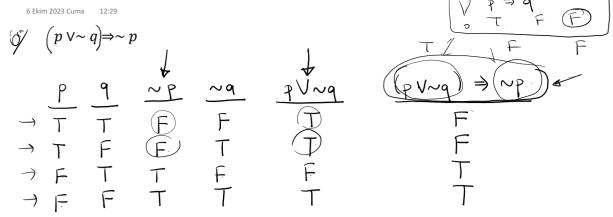
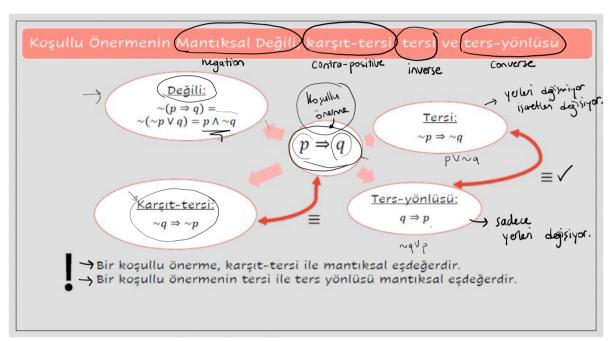
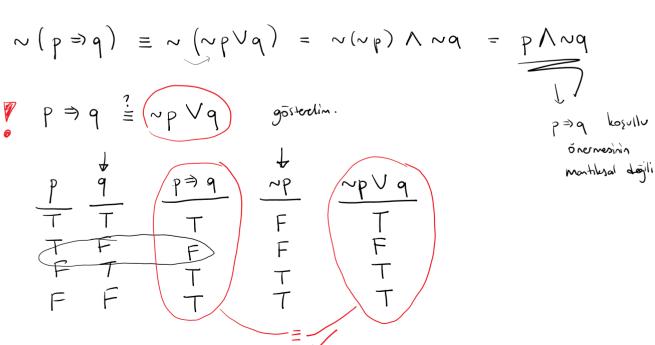
1. Hafta Cuma Dersi



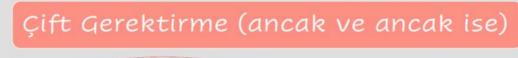




Ayrık Mat 2023 Sayfa 1

~q => ~p

$$P \Rightarrow q : (P \Rightarrow q) \land (q \Rightarrow P)$$



r, s için **yeterli** koşuldur: «r ise s»

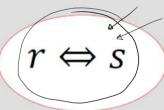
«rises»

r⇒s | Ledi ise sirlade



r, s için **gerekli** koşuldur:

«r değil ise, s değildir» kedi daylır şinh dayl $\sim r \Rightarrow \sim s = s \Rightarrow r$ şinhiye kedidir.



r ve s birbiri igin gerek-yeter kosuldur.

$$p \Rightarrow (\sim q \wedge \sim r)$$

$$(p \Rightarrow \sim q) \wedge \sim r$$

P	9 T T F F T T F F	r)	~9 FFTTFFTT	+2 FTFTFT	NO FFFTFFT	p⇒ (~q \ ~r) F F T T T	P=>~9 FFT TTTT	(p⇒ng) Nnr F F F T F T

V 1 V 1