13 Ekim 2023 Cuma 14:27

singal: 1,0

Boole Degisteri: P. B. R.S §1,0}

→ Boole Ifadesi: 1,V,~

	divire	input-output tal
NOT	$ \begin{array}{cccc} P & & & & & & & & \\ P & & & & & & & \\ \uparrow & & & & & & \\ 0 & & & & & & \\ \end{array} $	Input Output P R
AND	$ \begin{array}{c} P \longrightarrow \\ Q \longrightarrow \\ \end{array} $ AND $ \begin{array}{c} P \nearrow \\ R \end{array} $	Input Output P Q R 1 1 1 1 1 0 0 0 1 0 0 0 0
		Input Output

{NO}	sold day rund		
	· A	dure	outputR

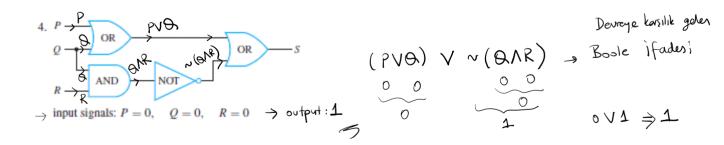
Devretede

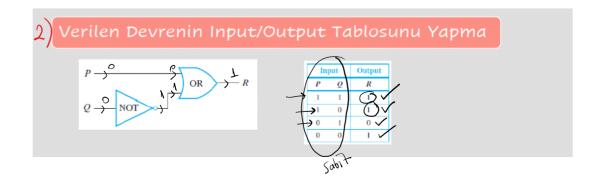
- Devrenin resmil soldi
- Devrenin input-output tablosu
- Devrenin Boole ifadesi

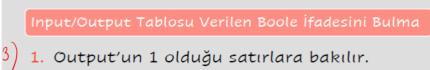
Devresi Verilen Boole İfadesini Bulma

→! Soldan sağa birleştirilerek yazılır.





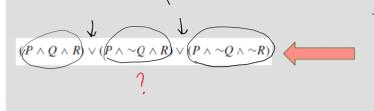




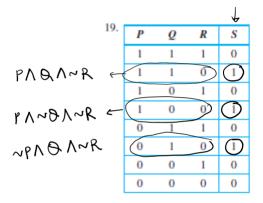
2. Bu satırlar için sonucu 1 yapacak ifade

(ve bağlac) kullanılarak inputlardan oluşturulur.

3. İfadeler <u>veya</u> bağlacı ile bağlanır.



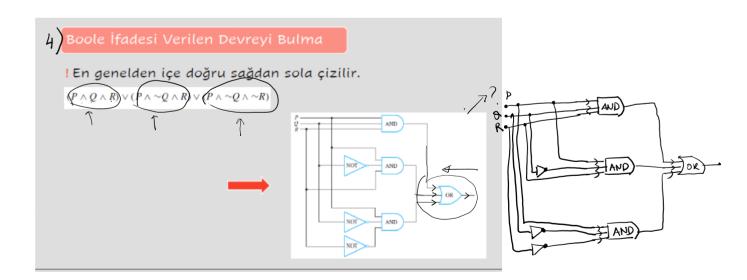
		Input		Output
	P	Q	R	<u>s</u>
*	1	1		(1) -
`	1	1	0	0
<	1	0	1)	<u> </u>
(1	0		D -
	0	1	1	0
	0	1	0	0
	0	0	1	0
ľ	0	0	0	0



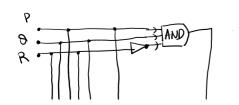
a) input-output tablosu verler devrenh Boole ifadesini yazınıt.

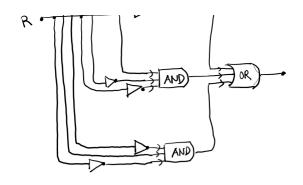
(PNBN~R) V (PN~BN~R) V (~PNBN~R)

b) devrey, Giziniz



19-6) (PNBN~R) V (PNBN~R) V (~PNBN~R)





Construct circuits for the Boolean expressions in 13-17.

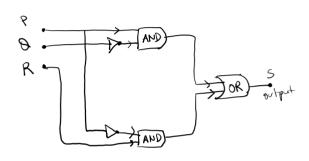
13. $\sim P \vee Q$

14. $\sim (P \vee Q)$

15. $P \lor (\sim P \land \sim Q)$

16. $(P \wedge Q) \vee \sim R$

 $\longrightarrow 17. \ (P \land \sim Q) \lor (\sim P \land R)$



108	ut	-	output
P	<u>8</u> 19	<u>~</u>	
1	1	1	0
1	À	O	O
1	,	٨	1
1	0		
1	0	0	,
0	1	1	(
0	1	0	•
0	0	1	Ĺ
0	0	0	