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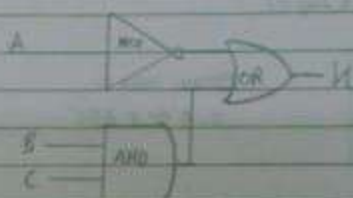
Matrik: RLD UAS

2. Rangkaian

1. $A \text{ AND } (B \text{ OR } C)$



2. $\text{NOT } (A) \text{ OR } (B \text{ AND } C)$



1. Persamaan

J: $A \text{ AND } (B \text{ OR } C)$

K: $\text{NOT } (A) \text{ OR } (B \text{ AND } C)$

2. J: $A \text{ AND } (B \text{ OR } C)$

A	B	C	B OR C	J: A AND (B OR C)
0	0	0	0	0
0	0	1	1	0
0	1	0	1	0
0	1	1	1	0
1	0	0	0	0
1	0	1	1	1
1	1	0	1	1
1	1	1	1	1

K: $\text{NOT } (A) \text{ OR } (B \text{ AND } C)$

A	B	C	NOT (A)	B AND C	NOT (A) OR (B AND C)
0	0	0	1	0	1
0	0	1	1	0	1
0	1	0	1	0	1
0	1	1	1	1	1
1	0	0	0	0	0
1	0	1	0	0	0
1	1	0	0	0	0
1	1	1	0	1	1

2. K -map: $J = A \text{ AND } (B \text{ OR } C)$.

		BC			
A		00	01	11	10
	0	0	0	0	0
	1	0	1	1	1

Permanen logika J

$$J = A'B'C + A'B'C + A'B'C + ABC$$

K -map: $K = \text{NOT}(A) \text{ OR } (B \text{ AND } C)$

		BC			
A		00	01	11	10
	0	1	1	1	1
	1	0	0	0	1

Permanen logika K

$$K = A'BC + ABC'$$

A	Pulse	J	K	Mode	$Q(t)$	$Q'(t)$	$Q(t+1)$	$Q'(t+1)$
a	0	0	-		Q	Q'	Q	Q'
b	0	1	0		Q	Q'	0	1
c	1	0	1		Q	Q'	1	0
d	1	1	-		Q	Q'	Q	Q'

5.

