

- 1. Decide Select a loop.
- 2. Determine arrent direction.
 - 3. Traverse bop & Tadd voltages in

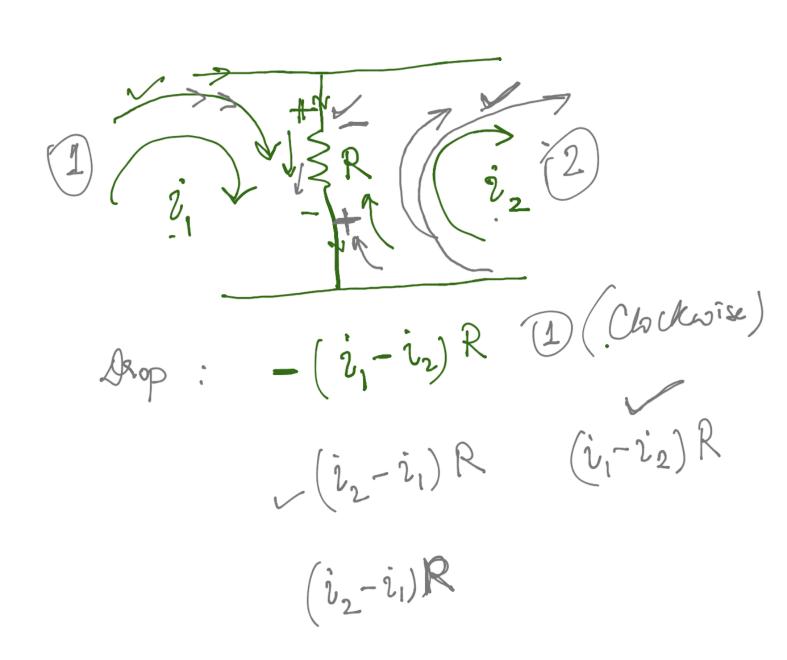
 the closed loop & equate it to

 zero.

Voltge: Add, subtract

i R (v=iR)

-iR



(izis) { (23-iz) } { 2 2 Din Jun Step 1 Assume unvents (drop-voltge) 3 loop urrents. Direction of urrent from: Ubukwise. il. iz 1 iz Determine voltage drop across ?. SEP2 Traverse Closed loop. - +) Rise '+' -> Drop'- $-2\Omega \text{ resistant.} : (\underbrace{i_1 - i_2}_{i_2 - i_3}) R \xrightarrow{(12)}_{+2} (i_1 - i_2) - 2 \underbrace{i_1 - i_2}_{-2} = 0$ $2\Omega \text{ resistant.} : (\underbrace{i_1 - i_2}_{2}) R \xrightarrow{(12)}_{+2} (i_1 - i_2) - 2 \underbrace{i_2 - 2}_{|11|} (i_1 - i_2) = 0$ (13). $-2(i_3-i_2)-V_{N}=0$ (13). $-2(i_2-i_1)-2(i_2-i_3)-V_{N}=0$

11) 2 (h-i2) $V_R = 2(i,-i_2)$ $V_{R} = 2(i_{2}-i_{1})$ Net conved of current loop during travered What is the direction ' In the component do

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