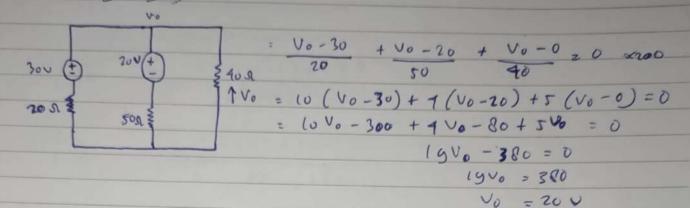
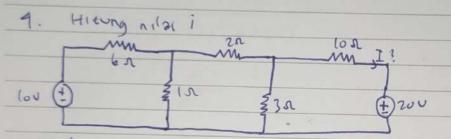
- %< -

## 3. Hitong legangan Vo





10de A V2-10 + V2-0 + VA-VB = 0 x6

V2-10 +6VA + 3 (V2-Vb)=0

V2-10 + 6 V2 + 3 V2-3 V6 = 0

10 VA - 3 VB -10 =0

10 V2 - 3 V L = 10 (1)

Nude B

10 3 Z

C

T

1

9

3 (vb-20) + 10vb+ 15(xb-va) =0

3vb - 60+10 Vb+ 15 Vb - 15 V4 = 0

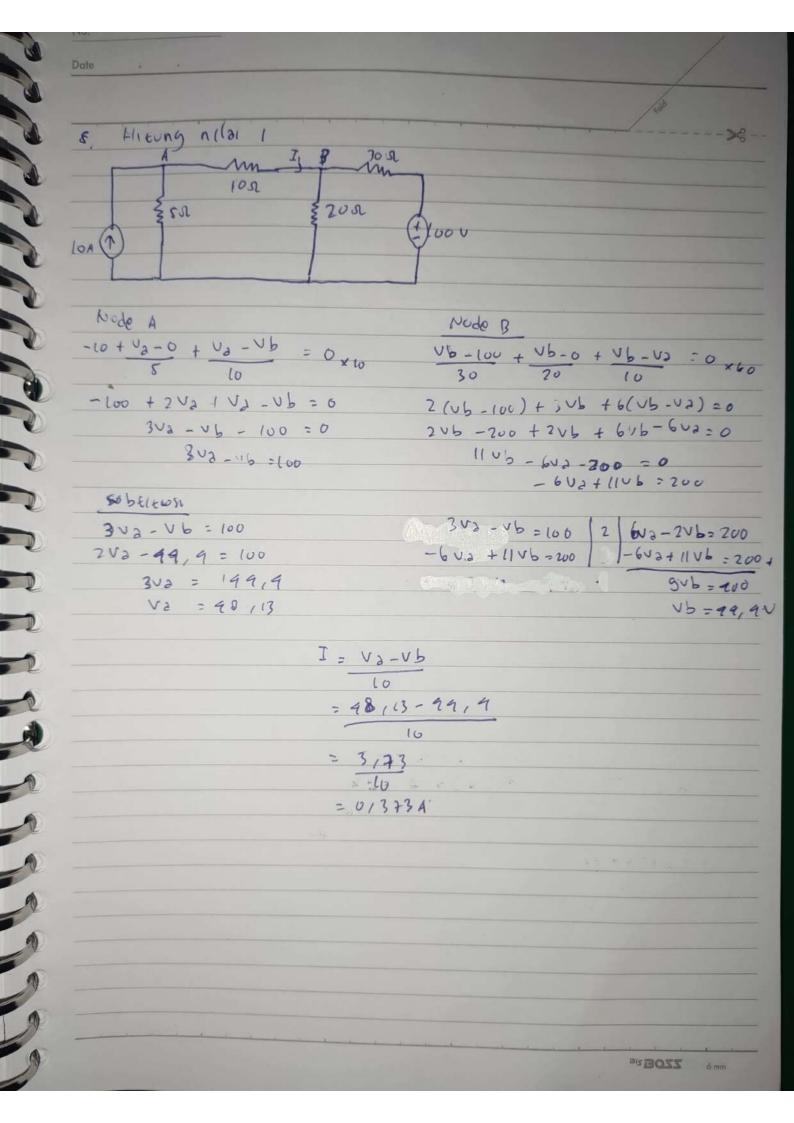
-15 V2 + 28 Vb - 60 = 0

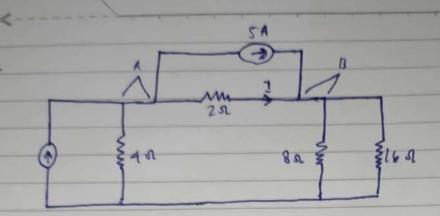
-15 v2 + 28 vb = 60 | 3 | 30 v2 - 9 vb = 30

77 Vb =150 Vb = 3,19 V

 $\frac{1}{10} = \frac{5 - 20}{10}$   $\frac{10}{23 \cdot 19 - 20}$   $\frac{10}{10}$ 

= -0,1681 A





Node A

-lots +  $\sqrt{2}$  - 0

-s +  $\sqrt{2}$  + 2

-20 +  $\sqrt{2}$  + 2 ( $\sqrt{2}$  -  $\sqrt{2}$ ) = 0  $\sqrt{2}$  + 2  $\sqrt{2}$  - 2  $\sqrt{2}$  b = 20  $\sqrt{2}$  + 2  $\sqrt{2}$  - 2  $\sqrt{2}$  b = 20

Node B

-5 + Vb - 6 + Vb - 0 + Vb - V2 = 0

16 8 2

-80 + Vb + 2Vb + 8 (Vb - V2) = 0

-80 + Vb + 2Vb + 8 (Vb - V2) = 0

 $3v_2 - 2v_5 = 20$   $3v_3 - 2(23,53) = 20$   $3v_3 - 41,06 = 20$   $3v_3 = 67,06$  2  $3v_3 = 67,06$  2 2 2 2 2  $3v_3 = 22,35$  2 2 2 2 2 2 2 2  $3v_3 = 67,06$  2 2 2  $3v_3 = 67,06$