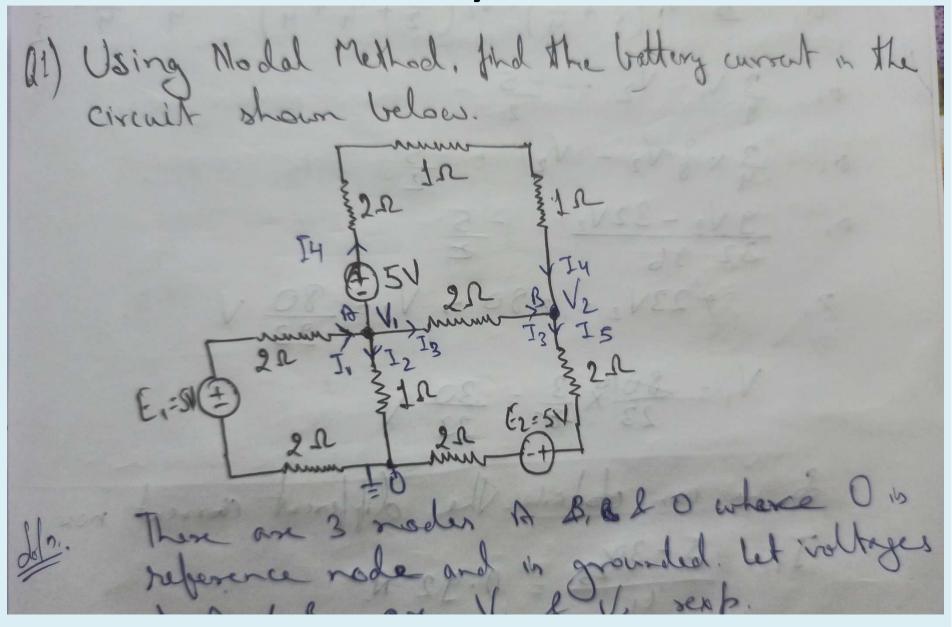
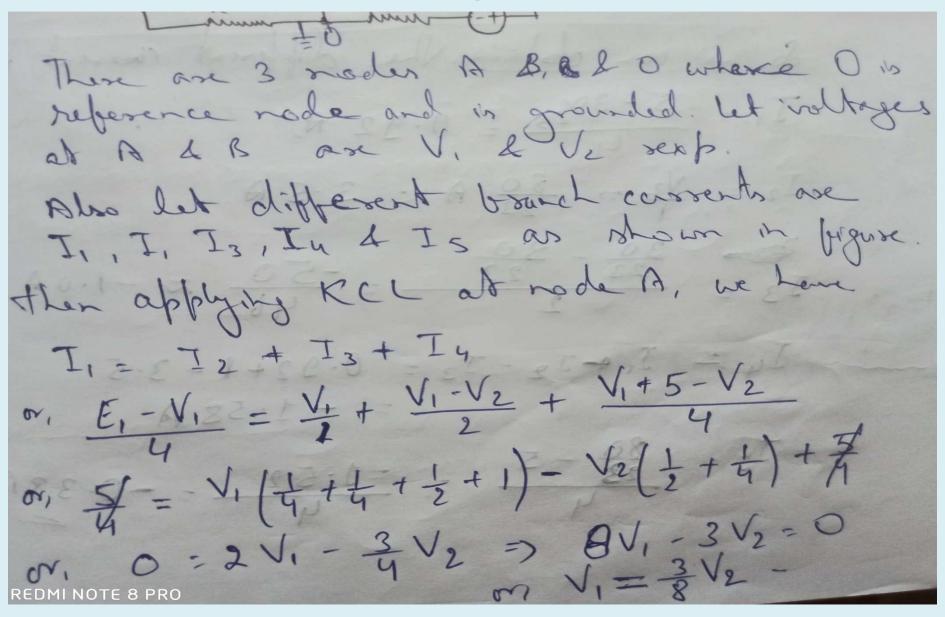
Paper 1, TDC Part-1 Problem Discussion

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Now applying K(1 at node B, we have

$$T_3 + T_4 = T_5$$
 $\frac{V_1 - V_2}{2} + \frac{V_1 + 5 - V_2}{4} = \frac{V_2 - 5}{4}$

or

 $\frac{V_1}{2} + \frac{V_1}{4} - \frac{V_2}{4} = \frac{5}{4} = \frac{5}{4}$

or

 $\frac{3}{4} + \frac{3}{8} + \frac{3}{2} + \frac{5}{4} = \frac{5}{4}$

or

 $\frac{3}{4} \times \frac{3}{8} \times 2 - \frac{5}{2} = \frac{5}{4}$

or

 $\frac{9}{4} \times \frac{3}{8} \times 2 - \frac{5}{4} = \frac{5}{4}$

or

 $\frac{9}{4} \times \frac{3}{8} \times 2 = \frac{5}{4} = \frac{5}{4}$

or

 $\frac{9}{4} \times \frac{3}{8} \times 2 = \frac{5}{4} = \frac{5}{4}$

or

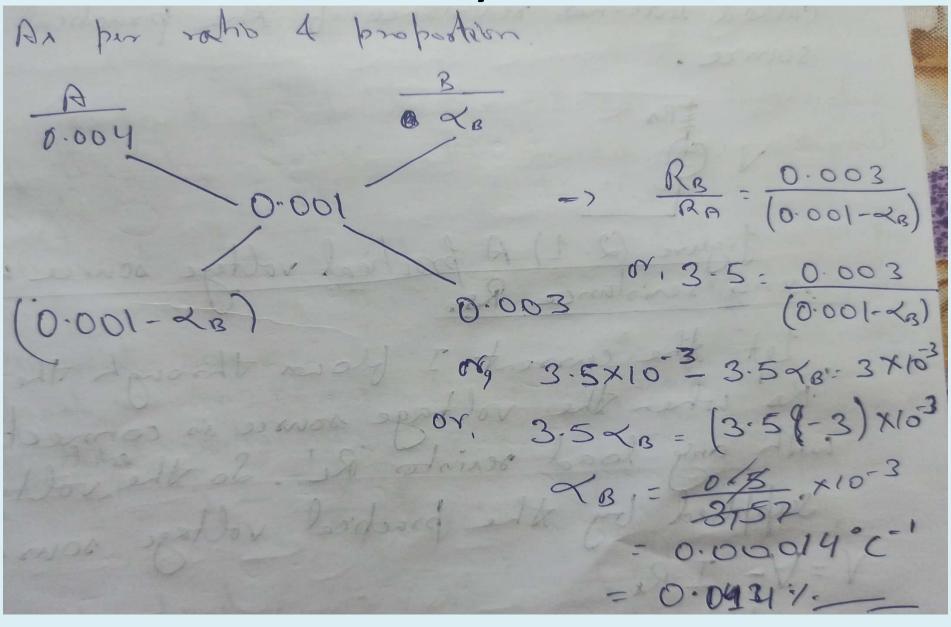
 $\frac{9}{4} \times \frac{3}{8} \times 2 = \frac{5}{4} = \frac{5}{4}$

or

 $\frac{9}{4} \times \frac{3}{8} \times 2 = \frac{5}{4} = \frac{5}{4}$

So we can obtain the different character now
$$T_1 = \frac{5-39}{23} = 0.92 \text{ A}$$
 $T_2 = \frac{5-39}{23} = 0.92 \text{ A}$
 $T_3 = \frac{30}{23} - \frac{80}{23} = -\frac{50}{46} \approx -1.0 \text{ A}$
 $T_4 = T_1 - T_2 - T_3 = 0.92 + 1 - 3.5$
 $T_5 = \frac{30}{23} - 5 = -1.58 \text{ A}$

	Two wires A and B are connected in series at 0°C
1	and resistance of B is 3.5 times that of A. The
	resistance temperature co-efficient of A is 0.4%.
	and that do the combination is is 0.1.1. Find
	the resistance temperature co-efficient of B.
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Jose John	RB - 3-5 (1)
	RA SANIE MANIE MANIE



For any query contact- 9771474020

Thank You