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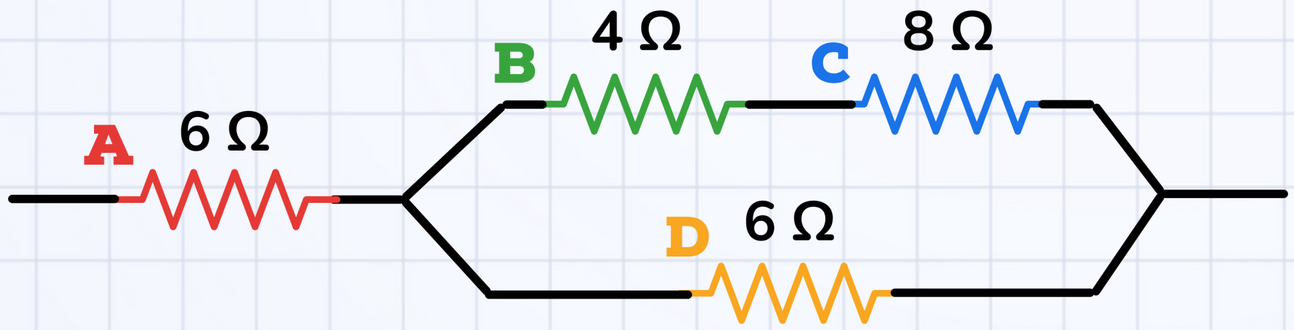
ELECTRICITY

EQVI. RESISTANCE

PRACTICE SHEET

By Professor Phi



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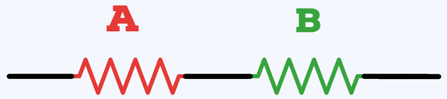
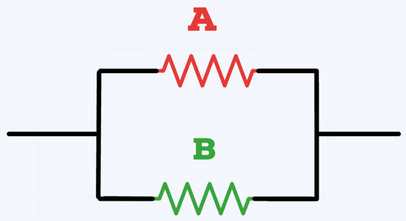
NOTES

Always Solve 'Pure Combination' First



Series Combination

$$R_{eq} = R_A + R_B$$



Parallel Combination

$$\frac{1}{R_{eq}} = \frac{1}{R_A} + \frac{1}{R_B}$$

MISTAKES

AVOID THIS

Mistake No : 1

Wrong formula 'Parallel Combination'

Mistake No : 2

Reciprocal Mistake

Mistake No : 3

Direct Solving of Resistance

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FIND EQUIVALENT RESISTANCE

Between Points ‘X’ & ‘Y’

Key points for improvements

- Solve slow to gain confidence
- Note down your mistakes
- Do not repeat mistakes
- Increase speed little by little
- Practice everyday

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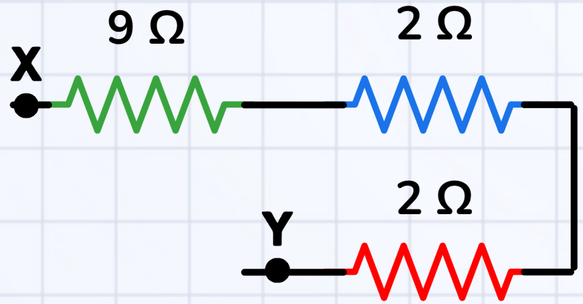
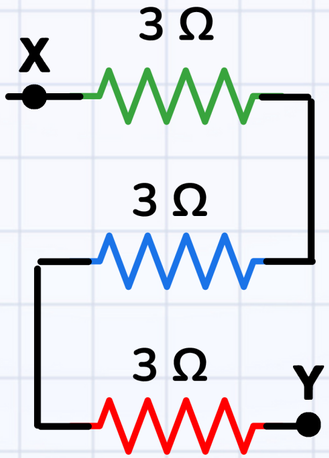
FIND EQUIVALENT RESISTANCE LEVEL 1

(1.1)

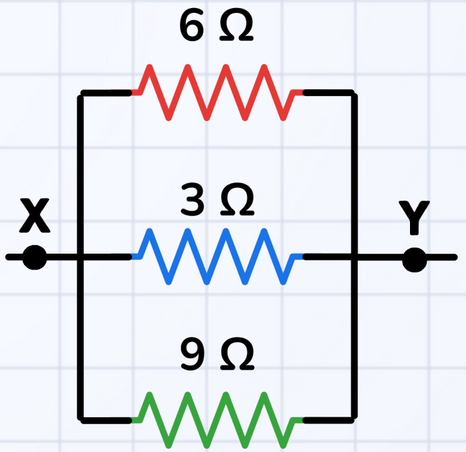
(1.2)



(1.3)



(1.4)



(1.5)

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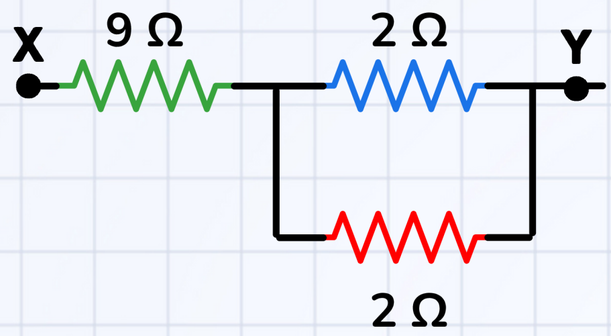
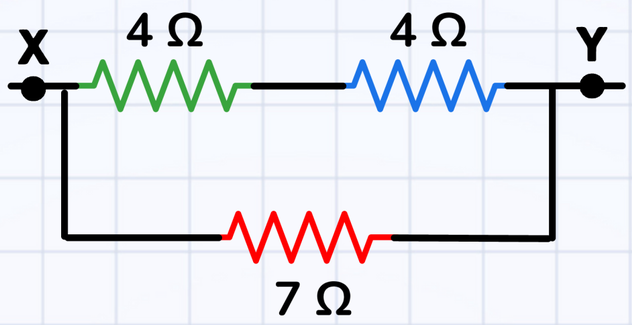
FIND EQUIVALENT RESISTANCE LEVEL 2



(2.1)



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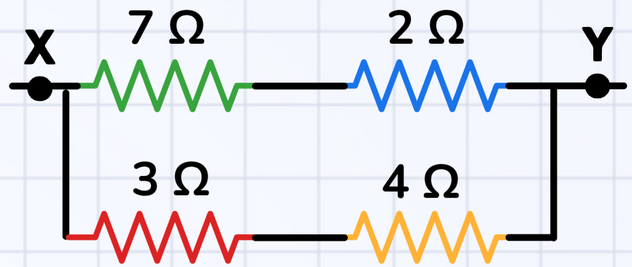

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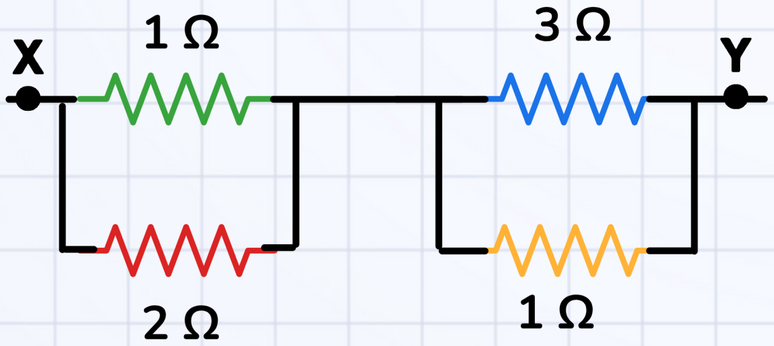

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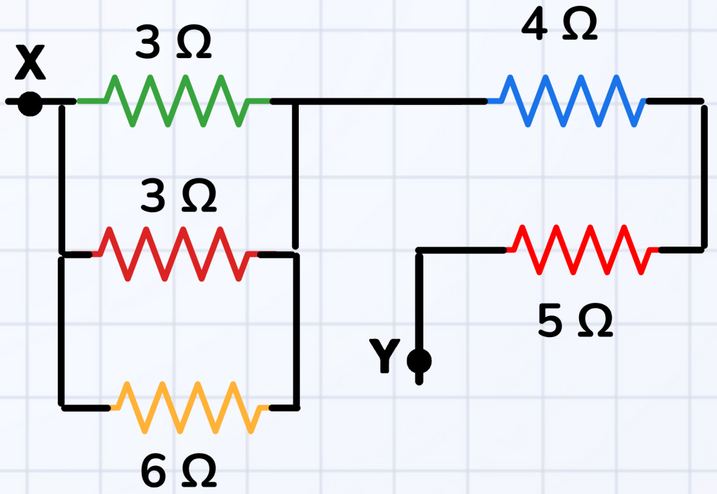

(2.5)

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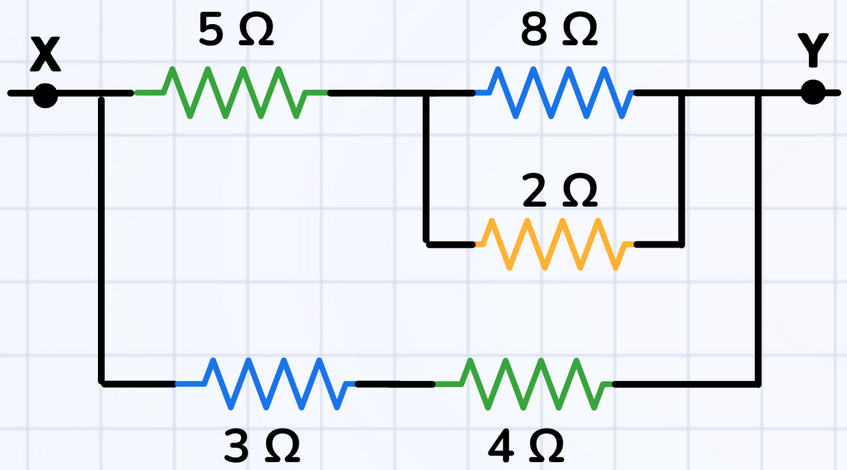
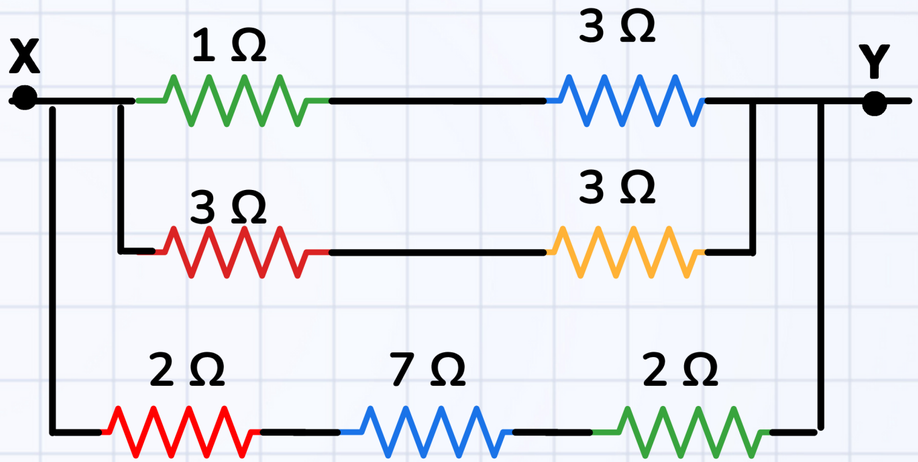


(3.1)



(3.2)

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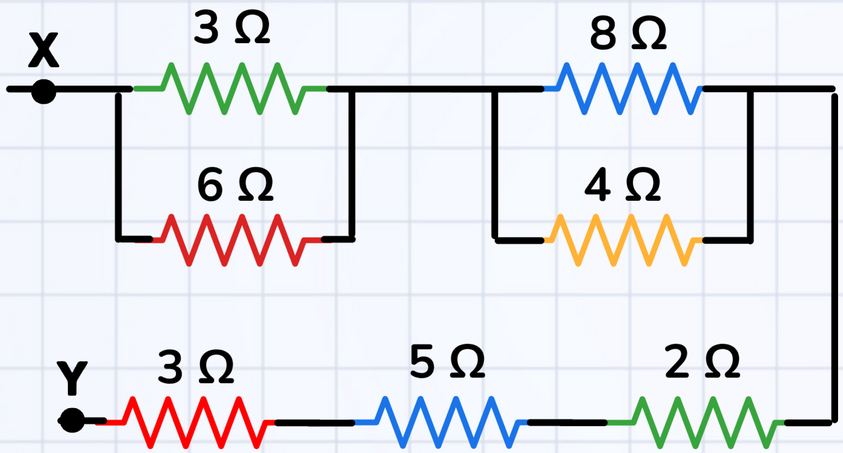
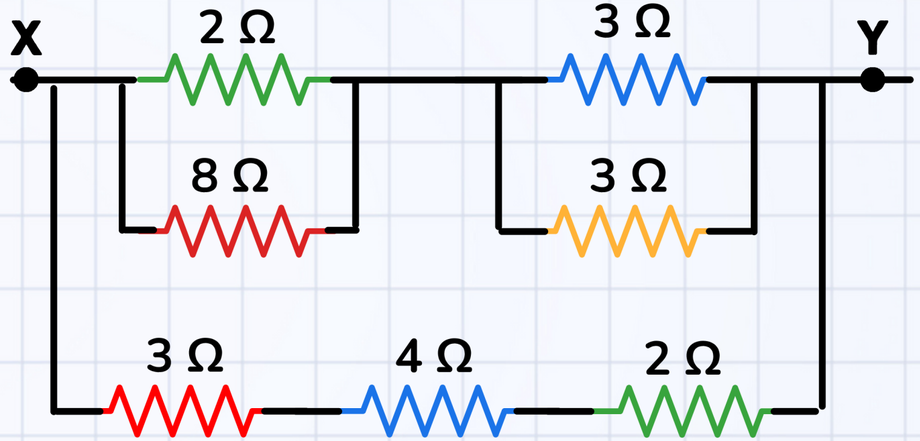


(3.3)



(3.4)

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LEVEL 3

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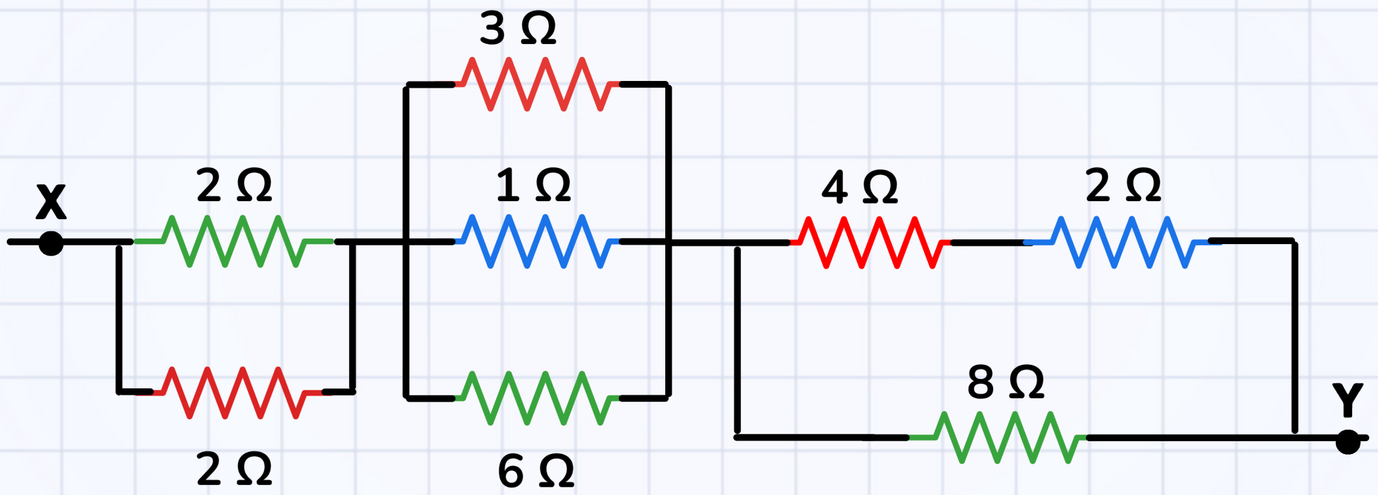

(3.5)

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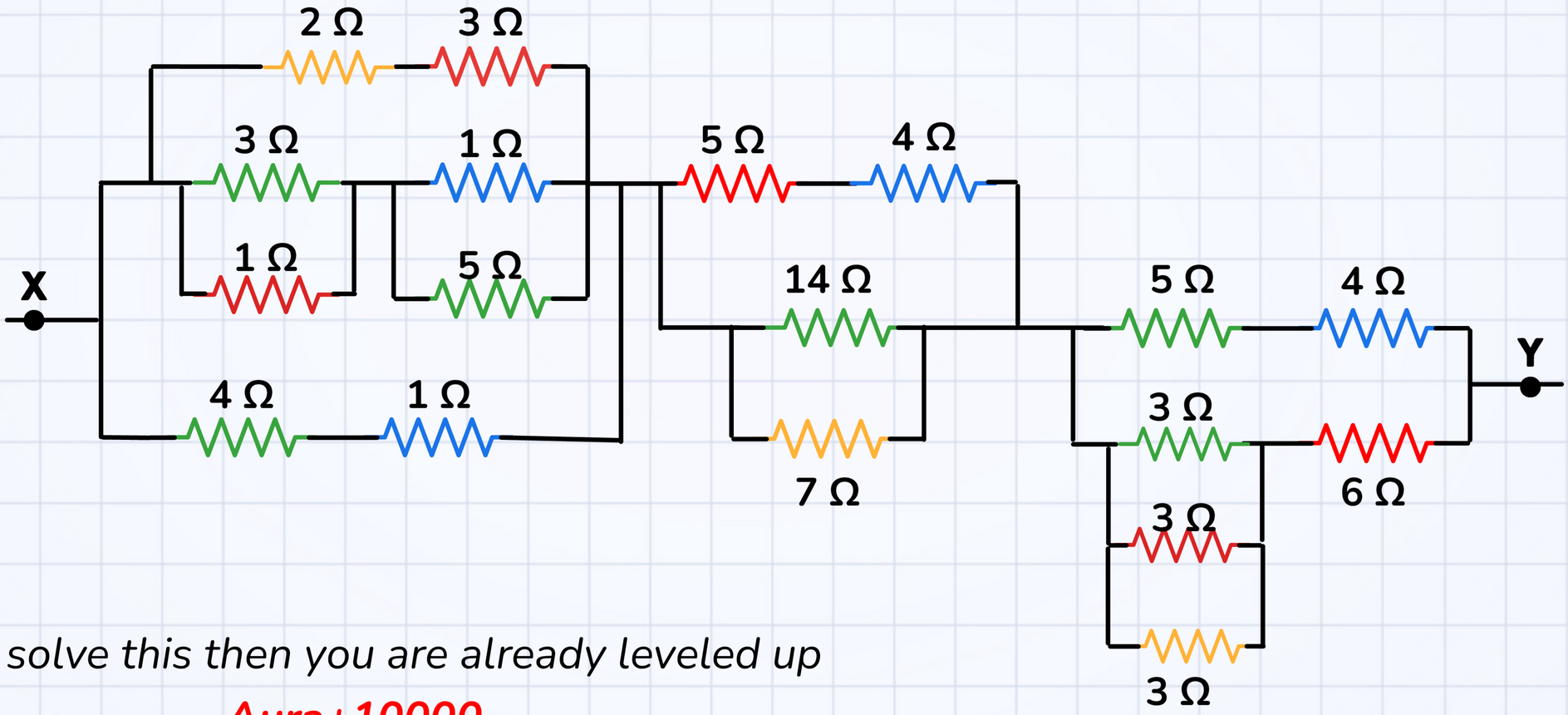
FIND EQUIVALENT RESISTANCE

LEVEL ???



If you solve this then you are already leveled up

Aura+10000

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2.1 : 10 Ω

3.2 : 1.90 Ω

3.1 : 3.39 Ω

2.5 : 10.2 Ω

Answers ??
wo toh yaha nai hai

1.3 : 13 Ω

1.4 : 9 Ω

2.4 : 1.4 Ω

1.1 : 11 Ω

3.3 : 14.6 Ω

2.3 : 3.9 Ω

1.2 : 14 Ω

1.5 : 1.63 Ω

2.2 : 3.7 Ω

3.4 : 2.3 Ω

3.5 : 5.08 Ω

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Level ??? ka answer mail karoge toh mai tumhe description mai mention karunga
(Only for first 21 students)

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Wishing you all the best for your future.
Keep shining, keep learning!

With warm regards,
Professor Phi
Indian YouTube Educator