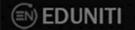
#Z PhD ON CHAIN ON A TABLE (NLM + WEP) Mohit Goenka | IIT Kharagpur





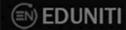
List of Content on Eduniti YouTube Channel:

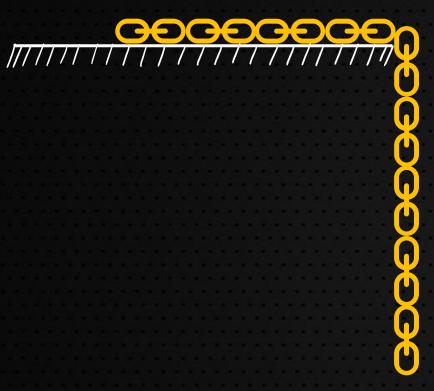
- 1. PYQs Video Solution Topic Wise:
 - (a) JEE Main 2018/2020/2021 Feb & March
- 2. Rank Booster Problems for JEE Main
- 3. Part Test Series for JEE Main
- 4. JEE Advanced Problem Solving Series
- 5. Short Concept Videos
- 6. Tips and Tricks Videos
- 7. JEE Advanced PYQs
- 8. Formulae Revision Series

.....and many more to come









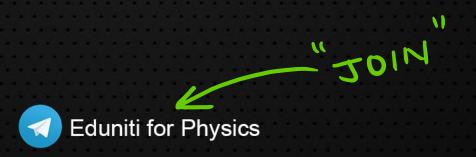
Chain on Table NLM + WEP

JEE MAIN

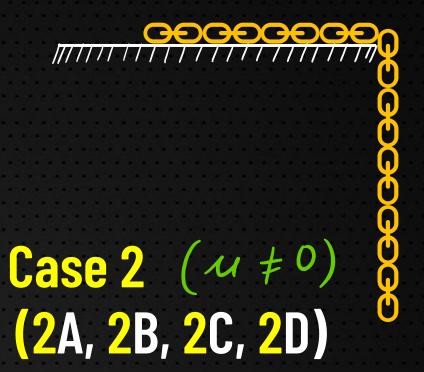
WORK ENERGY POWER FORMULAE

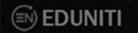
Now that's how you REVISE

https://youtu.be/kjrXoE-kDI8



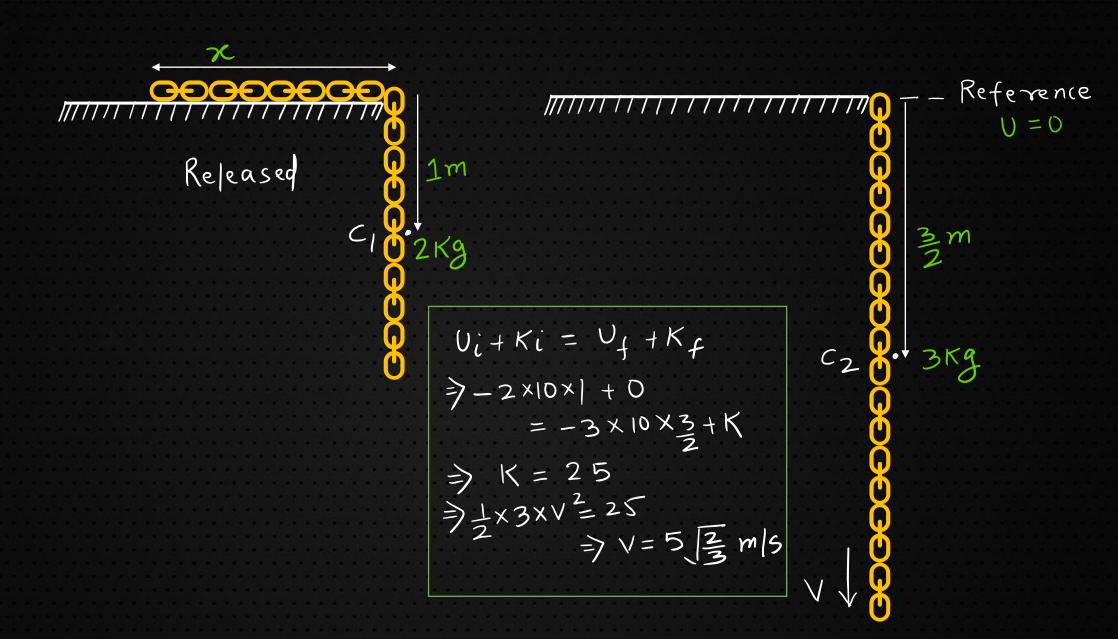






Case 1

$$x = |m|$$





Case 2A

Chain Length = L

Find minimum Value

of x in terms of L for which chain don't slip.

Chain Mass = M

Case 2A

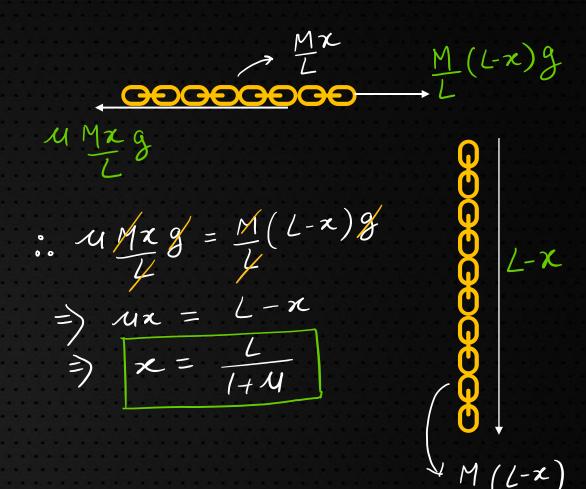
Chain Length = L

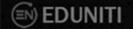
Find minimum Value

of x in terms of L for

which chain don't slip.

Chain Mass = M

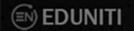




Case 2B

Chain mass and Length is m and L. x = 2L/3

Find Work done by a Person to fut hanging part on table.



Case 2B

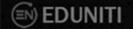
Chain mass and Length is m and L.

Find Work done by a Person to fut hanging part on table.

$$W_{\text{ext}} = \Delta U = U_{\text{f}} - U_{\text{i}}$$

$$W_{\text{ext}} = 0 - \left(-\frac{m_{3} \times g \times \frac{1}{6}}{3}\right)$$

$$= \frac{m_{3}L}{12}$$

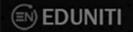


Case 2C

Chain mass and Length is m and L.

$$\chi = 2L/3$$

Find Work done by friction while chain slips off table.



Case 2C

24/3 GEOGOGO

Chain mass and Length is m and L.

$$\chi = 2L/3$$

Find Work done by friction While chain slips off table.

$$dx = x$$

$$d$$



Case 2D

24/3

Chain mass and Length is m and L.

$$\chi = 2L/3$$

Find speed of chain when it slips off table.

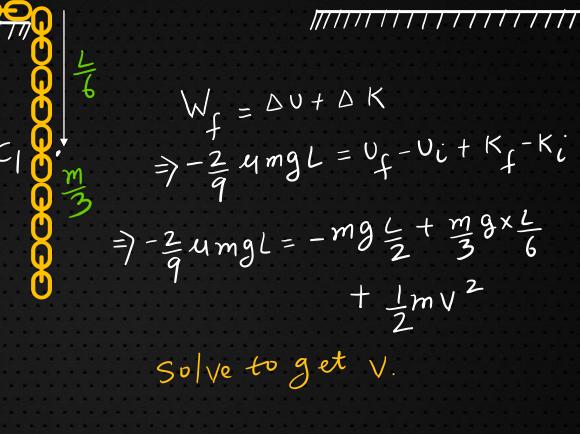
Case 2D

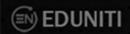
GEOGEO

Chain mass and Length is m and L.

$$\chi = 2L/3$$

Find speed of chain when it slips off table.







-> PYOS (2020, 2021) -> Concept Videos

- Advanced Problems

> Part and Full Test

GOLD Mine Link
https://bit.ly/2Vh0GFF

