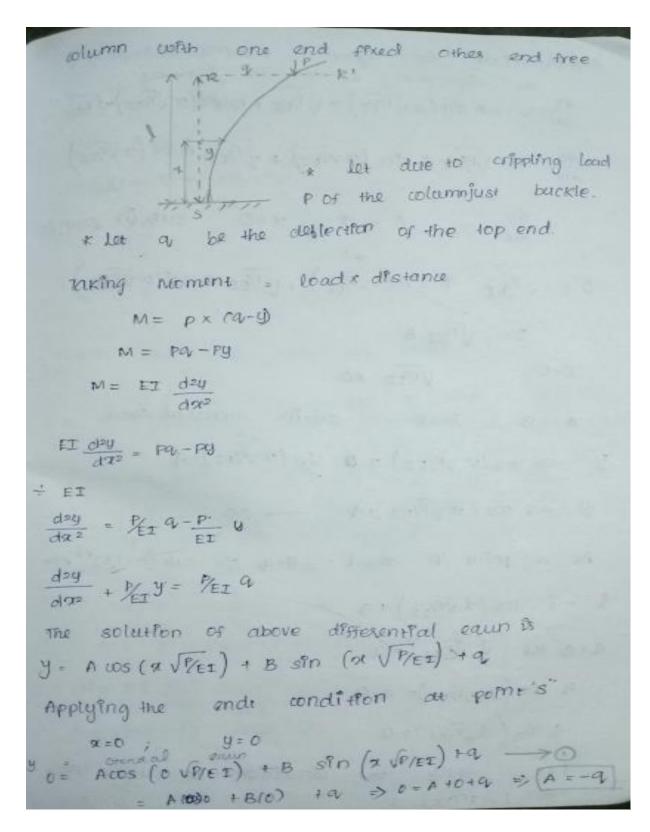


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differentiate the general round was. - A SIN (a V P/EI) × V P/EI + BCOS (2 JF/EI) > F/EI dy = - VP/ET A SPN (Q VF/EI) + VP/EI B WS (7 VP/LZ) $\frac{dy}{dx} = 0, \quad A = -9, \quad x = 0 \quad \text{sub in } q_{q_{\text{un}}}$ 0 = JP/EI 9 SPON(OVP/EI) + VP/EI BLOS (O VP/EI) 0 = JP/EL B 8=0 \(\frac{1}{P/FI}\) \(\psi\) A=-a; B=0 subin bienesal eaun y = -a cos (x PIEI) + 0 sinfx PIEI)+a y = - 4 008 (x JPIE2)+9 -> (3) At a point 'p' x=1: y=q -> sub in (s)"de 9 = - 9 cos (& JP/EI) + 9 a+a cos (d TP/EI) = a a cos (1 JPIET)= a-a 9 cos (JUPIET) = 0 9.70 apply the condition in above ear COS (JUPIET) =0

$$1\sqrt{P_{EI}} = uos'(o)$$

$$1\sqrt{P_{EI}} = \sqrt{R}$$

$$\sqrt{P_{EI}} = \sqrt{R}$$

$$Successor g en both still
$$P = \frac{\pi^2}{4l^2}$$

$$P = \frac{\pi^2}{4l^2}$$$$