CIE 410: Lecture 0, Novey EI booms (100 EI coins = = S. Find LR, RL

o Find dR, de, LZ dR = 0.920 x L · MF w M , M, MR Leff = | 1/2 Mpos = WLEFF de to Me whether = in de (da + Leff) 3(EI) + 4(EI) DA $3 \times \frac{2}{3} + 4 \times \frac{1}{3}$ 4 (FI) 4 x = RL = SEI = 1.5 $4\left(\frac{EI}{L}\right)$ R1 = 1.5 $d_R = \frac{0.92 \times 2.5}{3 + 4 \times 2.5} \times 6 = 1.06$ de = 0.92 x 1.5 3+4x1.5 x 6 = 0.92

$$M_{pos} = 100 \times \frac{4.02}{8} = 202 \qquad (~212)$$

$$M_{R} = \frac{100}{2} \times 1.06 \times (1.06 + 4.02) = 270 \text{ ($265)}$$

$$M_{L} = \frac{100}{2} \times 0.92 \times (0.92 \times 4.02) = 277 \text{ ($\sim 212)}$$

$$uithi_{L} = \frac{7}{2} \text{ error}$$

$$Other manbers$$

$$e \in$$

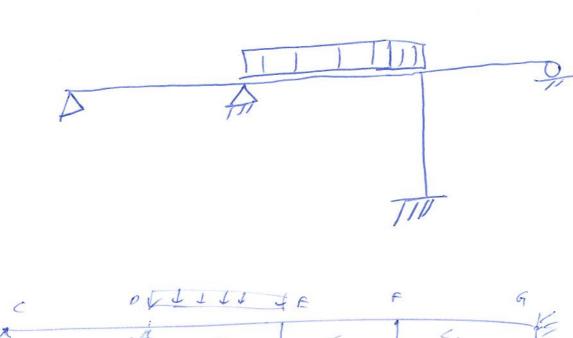
$$M_{pos} = \frac{1}{3} \text{ error}$$

$$Other manbers$$

$$e \in$$

$$M_{pos} = \frac{1}{3} \text{ error}$$

$$M_{pos} = \frac{3}{3} \text{ error}$$



EI = 2 EI = 2 I,S EI = 2 I,S EI = 2 I,S EI = 2

Assignment 3

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