

moment diagram

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çözüm

$$\sum F(x) = S_{2x} + 5 = 0$$

$$S_{2x} = -5 \text{ kN}$$

$$\sum F_y = 0 \Rightarrow S_{2y} + D_y - 9.5 = 0$$

$$\sum M_{G2} = 0 \Rightarrow D_y \cdot 2 - (5 \cdot 2 - 9.5 \cdot 2.95) = 0$$

$$38.025 = 2 D_y$$

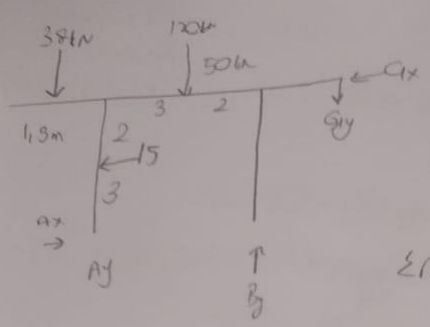
$$19.0125 = D_y$$

$$9.51 = S_{2y}$$

$$\sum F_x = 0 \Rightarrow S_{1x} - S_{2x} = 0 \quad S_{1x} = -5 \text{ kN}$$

$$\sum M_{G1} = 0 \Rightarrow -(30 \times 2) + (-59 \times 2.55) + C_u \cdot 3 + (29 \times 3.96) - S_{2y} \times 5.9 = 0$$

$$C_u = 97.65$$



$$\sum F_x = 0 \quad A_x - 15(5) = A_x = 10$$

$$\sum F_y = 0 \quad A_y + B_y - 38 - 50 - 120 = 0 \quad \checkmark$$

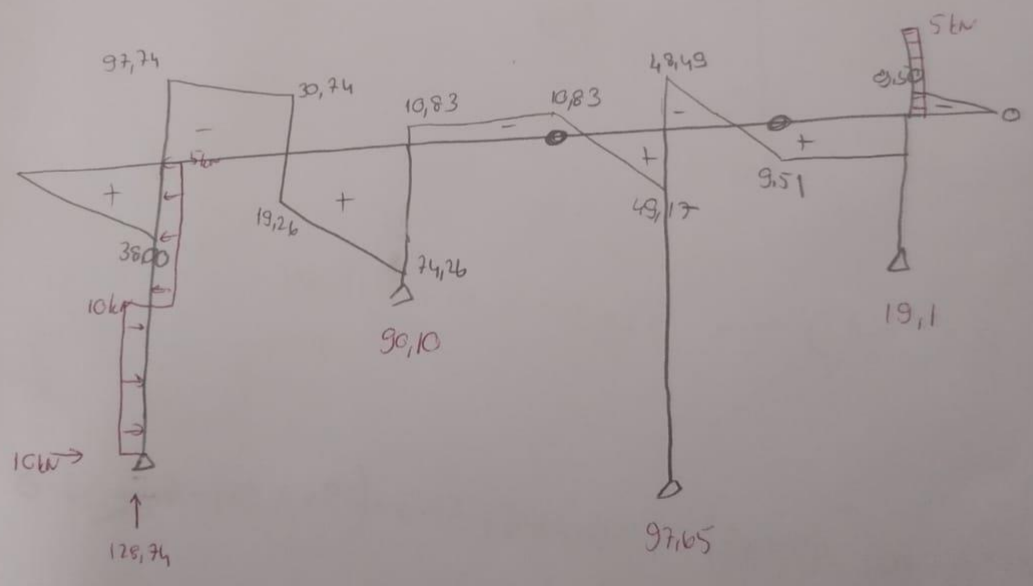
$$\sum M_A = 0 = 38 \times 1.5 + 15 \times 3 - 120 \times 3 - 50 \times 3$$

$$+ B_y \times 6 + 51 \times 5 - 51 \times 3 = 0$$

$$A_y = 128,74$$

$$B_y = 99,10$$

Resme Lueti Diagrami



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