



(I)

$$\sum M_A = 0$$

$$100 \cdot 3 - 150 + V_1' \cdot 5 = 0 \quad V_1' = -30 \text{ kN}$$

(II)

$$\sum M_n = 0$$

$$V_1' \cdot 5 + 90 \cdot 3 - V_2' \cdot 6 = 0 \quad V_2' = 20 \text{ kN}$$

(III)

NE mogu zagebuo da $\sum V_i V_i'$

$$\tan \alpha = \frac{6}{4} \quad \frac{V_D}{H_D} = \tan \alpha = \frac{6}{4}$$

$$V_D = H_D \cdot 1.5$$

$$\sum M_K = 0$$

$$-V_2' \cdot 5 - V_D \cdot 9 + H_D \cdot 3.5 = 0$$

$$-V_2' \cdot 5 - 1.5 \cdot 9 H_D + 3.5 H_D = 0$$

$$H_D = -10 \text{ kN}$$

$$V_D = -15 \text{ kN}$$