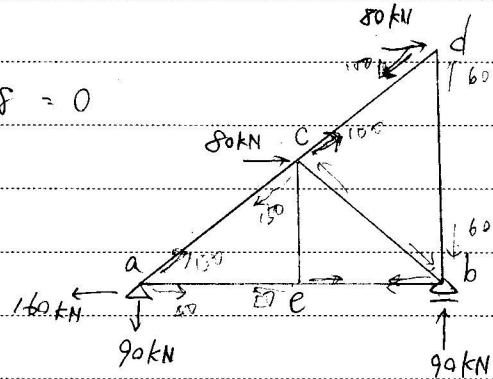


1. (1) $H_A = 80 + 80 = 160$

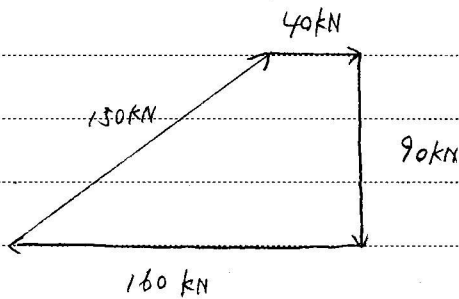
$M_b = 80 \times 6 + 80 \times 3 + V_A \times 8 = 0$

$V_A = -90$

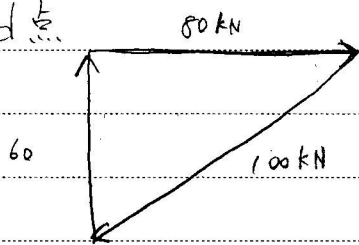
$V_A + V_B = 0 \quad V_B = 90$



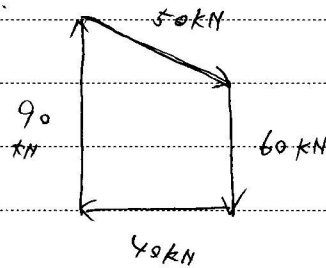
• a 点



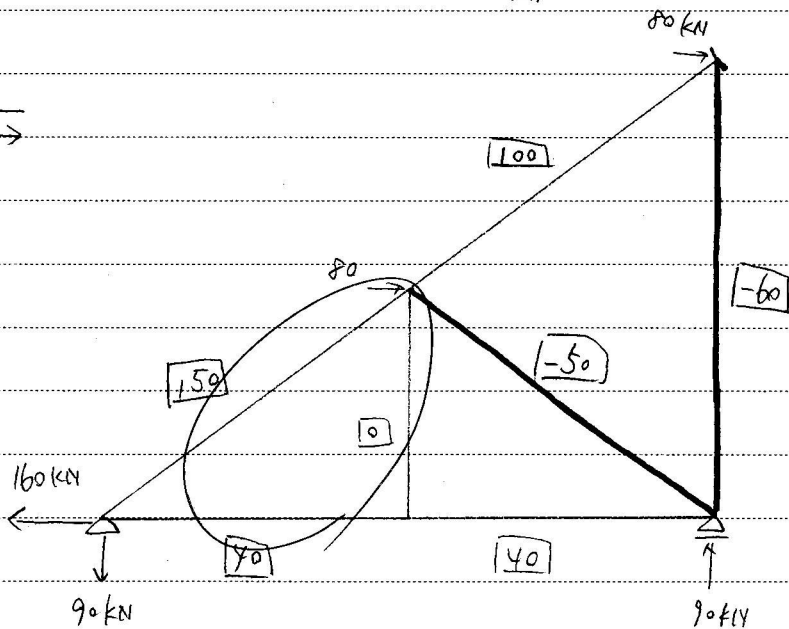
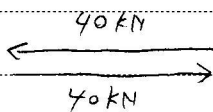
• d 点



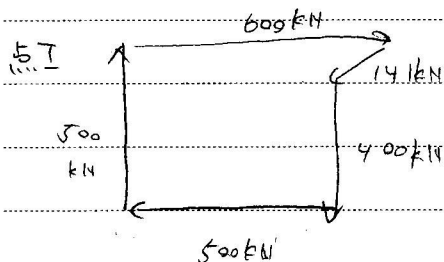
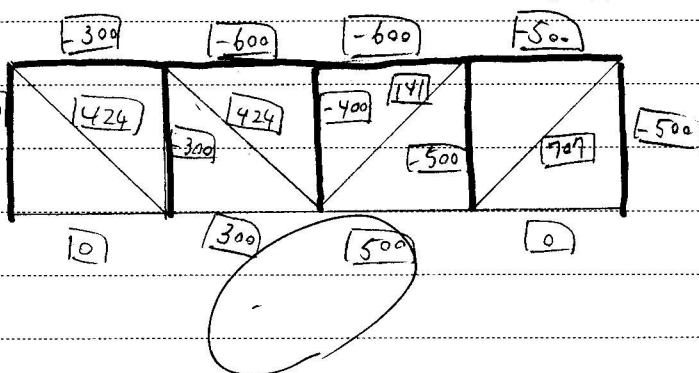
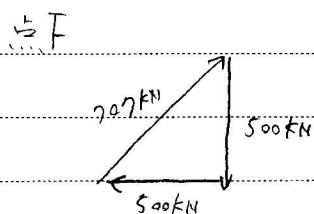
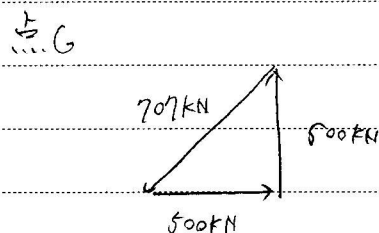
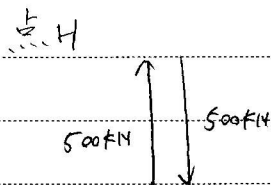
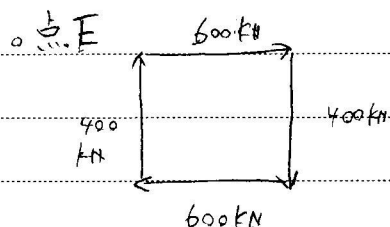
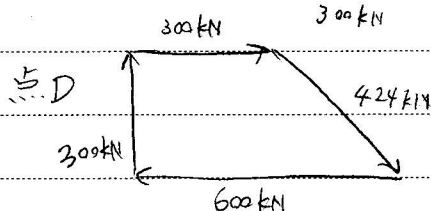
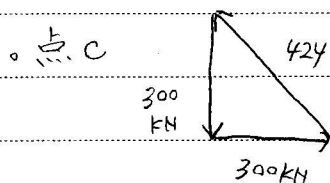
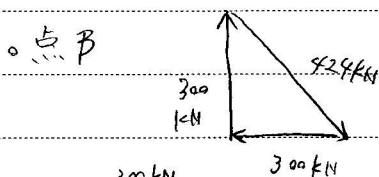
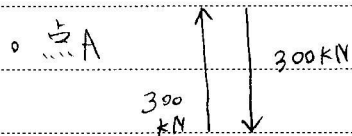
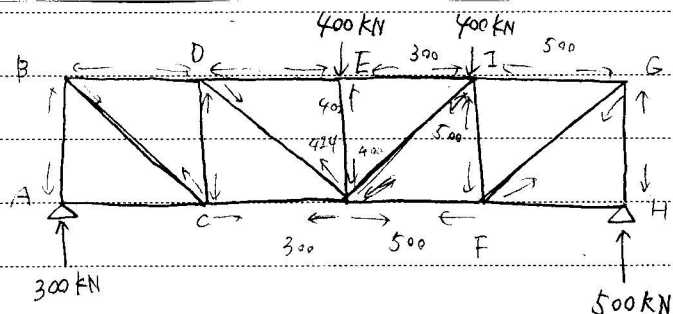
• b 点



• e 点



(2)



(3) $V_A + V_B = 0$

$$M_A = 499 \times 3 + 400 \times 6 - V_B \times 4 = 0$$

$$V_B = 900 \quad V_A = -900$$

$$H_A = 800$$

