

(1)  $F_A = F_B = 4\text{kg}$

(2)  $F_A = 5\text{kg}$  ;  $F_B = 3\text{kg}$

(3)  $F_A = F_B = 6\text{kg}$

(4)  $F_A = 4\text{kg}$  ;  $F_B = 5\text{kg}$

(5)  $F_A = 25\text{kg}$  ;  $F_B = 75\text{kg}$

(6)  $F_A = -7.66\text{ kN}$  ;  $F_B = 24.66\text{ kN}$