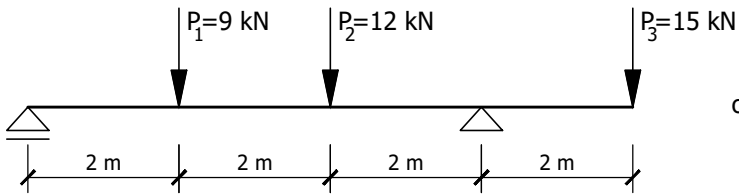


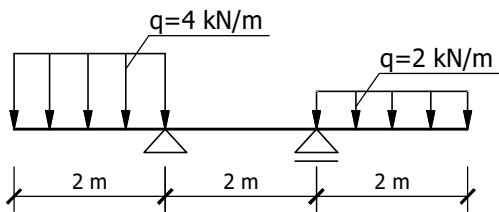
REAKCJE PODPOROWE - ZADANIE DOMOWE

Zadanie

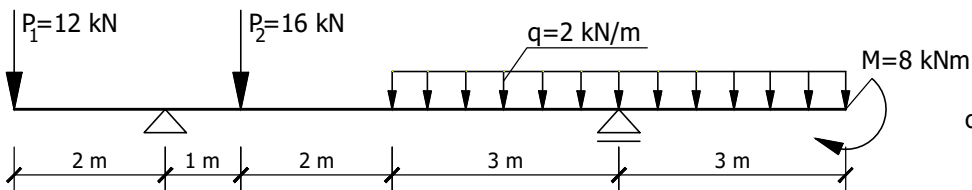
Dla podanych belek oblicz reakcje podporowe:



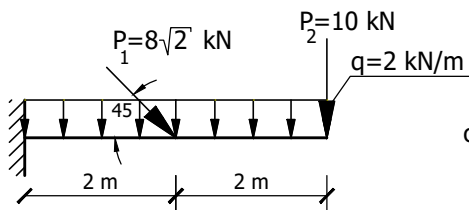
odpowiedź:  $V_A = 5 \text{ kN}$ ;  $H_B = 0$ ;  $V_B = 31 \text{ kN}$



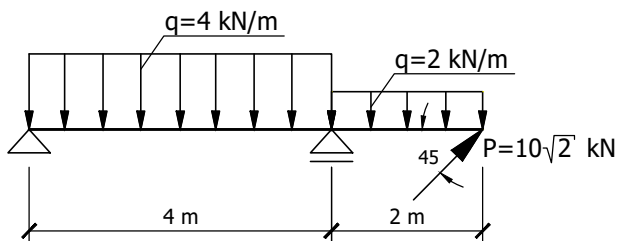
odpowiedź:  $H_A = 0 \text{ kN}$ ;  $V_A = 10 \text{ kN}$ ;  $V_B = 2 \text{ kN}$



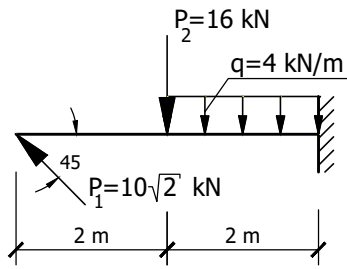
odpowiedź:  $H_A = 0 \text{ kN}$ ;  $V_A = 28 \text{ kN}$ ;  $V_B = 12 \text{ kN}$



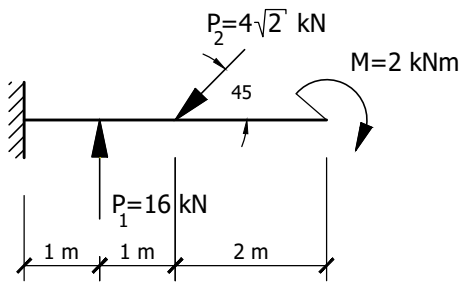
odpowiedź:  $H_A = -8 \text{ kN}$ ;  $V_A = 26 \text{ kN}$ ;  $M_A = -72 \text{ kN}$



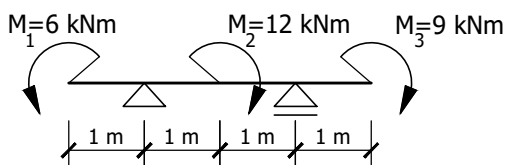
odpowiedź:  $H_A = -10 \text{ kN}$ ;  $V_A = 12 \text{ kN}$ ;  $V_B = -2 \text{ kN}$



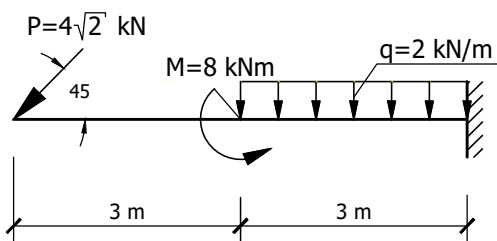
odpowiedź:  $H_A = 10 \text{ kN}$ ;  $V_A = 14 \text{ kN}$ ;  $M_A = 0 \text{ kN}$



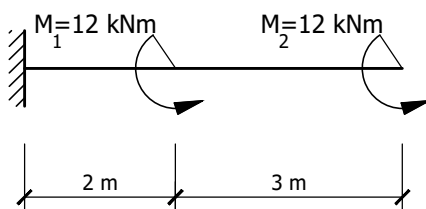
odpowiedź:  $H_A = 4 \text{ kN}$ ;  $V_A = -12 \text{ kN}$ ;  $M_A = 6 \text{ kN}$



odpowiedź:  $H_A = 0 \text{ kN}$ ;  $V_A = -7,5 \text{ kN}$ ;  $V_B = 7,5 \text{ kN}$



odpowiedź:  $H_A = 4 \text{ kN}$ ;  $V_A = 10 \text{ kN}$ ;  $M_A = 41 \text{ kN}$



odpowiedź:  $H_A = 0 \text{ kN}$ ;  $V_A = 0 \text{ kN}$ ;  $M_A = 24 \text{ kN}$