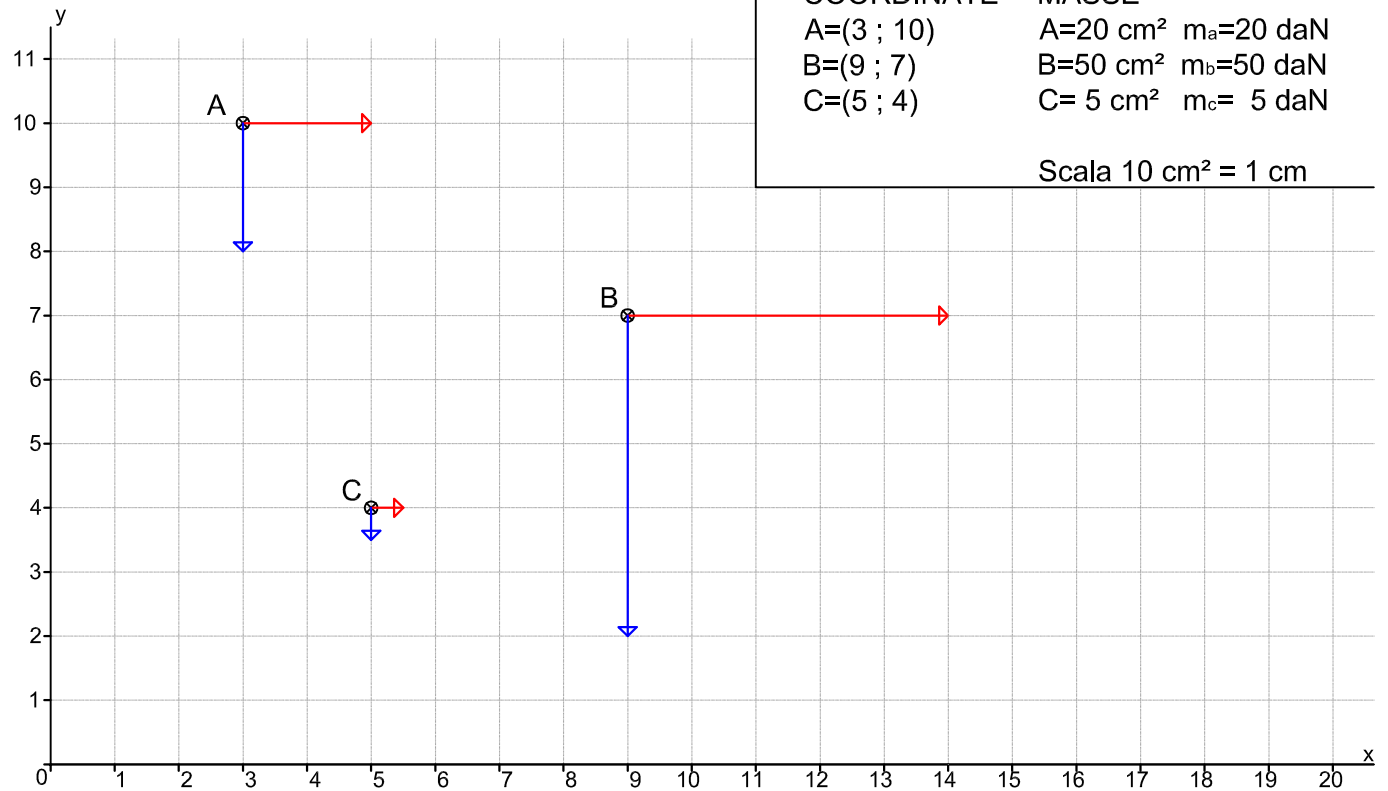


BARICENTRO DI 3 MASSE



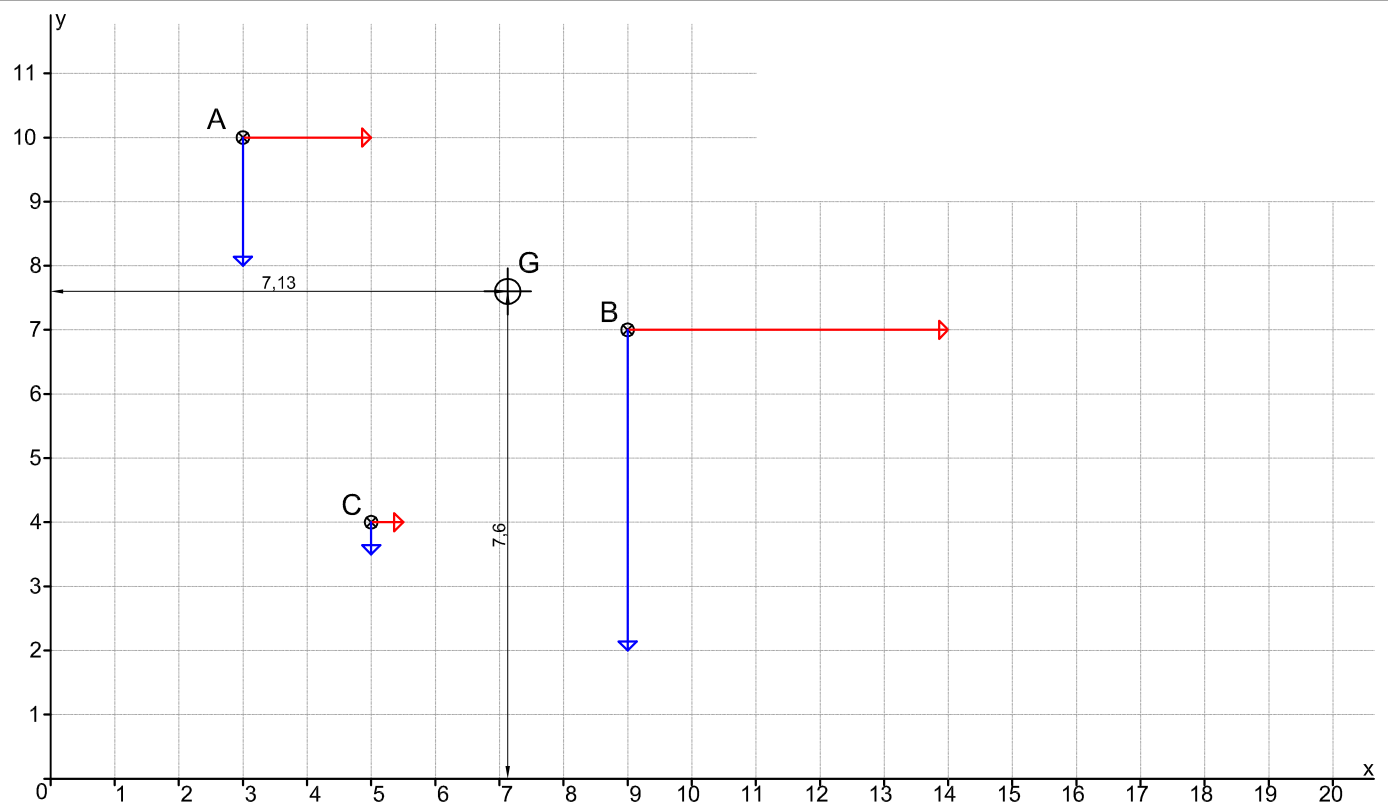
PROCEDIMENTO ANALITICO

Calcolo della coordinata X_o del Baricentro

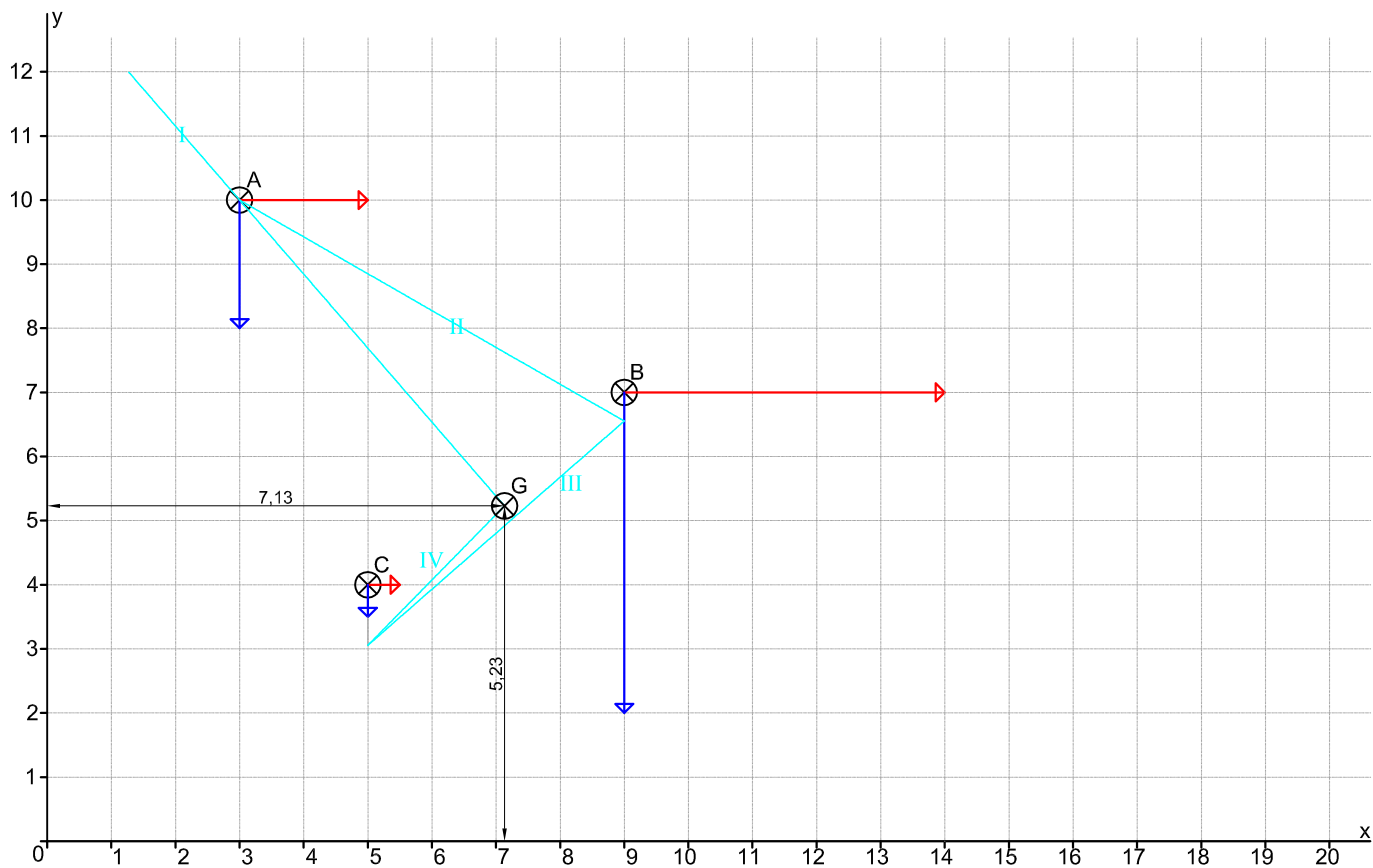
$$X_o = \frac{m_a x_a + m_b x_b + m_c x_c}{m_a + m_b + m_c} = \frac{20 \times 3 + 50 \times 9 + 5 \times 5}{20 + 50 + 5} = \frac{60 + 450 + 25}{75} = \frac{535}{75} = 7,13 \text{ cm}$$

Calcolo della coordinata Y_o del Baricentro

$$Y_o = \frac{m_a y_a + m_b y_b + m_c y_c}{m_a + m_b + m_c} = \frac{20 \times 10 + 50 \times 7 + 5 \times 4}{20 + 50 + 5} = \frac{200 + 350 + 20}{75} = \frac{570}{75} = 7,60 \text{ cm}$$



PROCEDIMENTO GRAFICO (F.verticali)



PROCEDIMENTO GRAFICO (F.orizzontali)

