PAG. 518 N44

$$M_{1} = 70 \text{ kg}$$
 $N_{2} = 4.0 \text{ m}$
 $N_{3} = 50 \text{ kg}$
 $N_{4} = 4.0 \text{ m}$
 $N_{5} = -4.0 \text{ m}$
 $N_{7} = 120 \text{ kg}$

$$M_{1}V_{1} + M_{2}V_{2} = M_{TOT}$$
 => $V = \frac{mN_{1} + M_{2}N_{2}}{M_{TOT}} =$

$$= \frac{70 \cdot 4,0 + 50 \cdot (-4,0)}{120} = 0,67 \text{ M}$$

$$2] m_z = 12g \qquad N_z =$$
PRIMA

$$V_2 = \frac{2m_1}{m_1 + m_2} N_1 = \frac{48}{363} N_1 = \frac{4}{3}N_1$$

$$V_{3} = \frac{2m_{z}}{m_{z} + m_{3}} V_{2} \Rightarrow V_{3} = \frac{248}{129 + m_{3}} \cdot \frac{4}{3} \sqrt{1} = \sqrt{1}$$

$$\frac{24}{12 + M_3} \cdot \frac{4}{3} = 1$$

$$-\frac{4}{3} = 1 \qquad 32 = 12 + m_3 = 20 \text{ m}_3 = 20 \text{ m}_3 = 20 \text{ p}$$

$$\Delta S = \frac{V_{FIN}^2 - V_{IN}^2}{2\alpha}$$

$$d = \frac{0^2 - V^2}{2(-3.92 \frac{M}{5^2})}$$

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$$\frac{11.2...}{d=30}$$

$$d=30$$

$$d=0,40$$