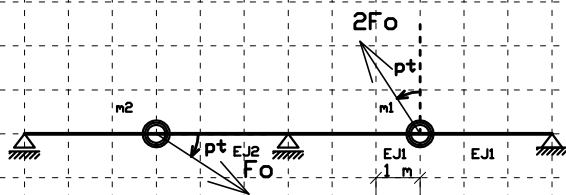
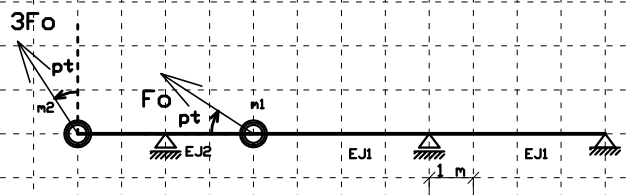


03a



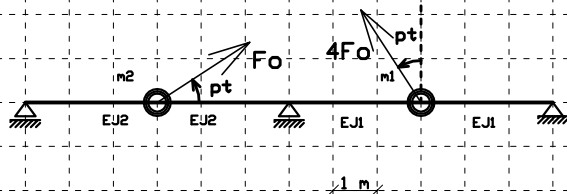
$EJ_1 = EJ_0$, $EJ_2 = 2 \cdot EJ_0$, $EJ_0 = 10 \text{ MN} \cdot \text{m}^2$
 $n_1 = 2 \cdot n_0$, $n_2 = 1 \cdot n_0$, $n_0 = 500 \text{ kg}$
 $p = 0,9 \omega l / 1,2 \omega l$, $F_o = 100 \text{ kN}$.

04a



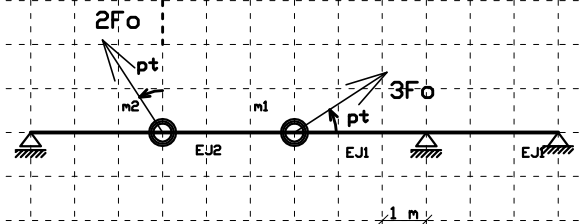
$EJ_1 = EJ_0$, $EJ_2 = 2 \cdot EJ_0$, $EJ_0 = 10 \text{ MN} \cdot \text{m}^2$
 $n_1 = 2 \cdot n_0$, $n_2 = 1 \cdot n_0$, $n_0 = 500 \text{ kg}$
 $p = 0,8 \omega l / 1,2 \omega l$, $F_o = 100 \text{ kN}$.

07a



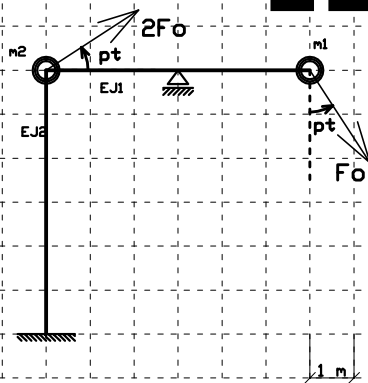
$EJ_1 = EJ_0$, $EJ_2 = 2 \cdot EJ_0$, $EJ_0 = 10 \text{ MN} \cdot \text{m}^2$
 $n_1 = 3 \cdot n_0$, $n_2 = 1 \cdot n_0$, $n_0 = 500 \text{ kg}$
 $p = 0,9 \omega l / 0,9 \omega l$, $F_o = 100 \text{ kN}$.

08a



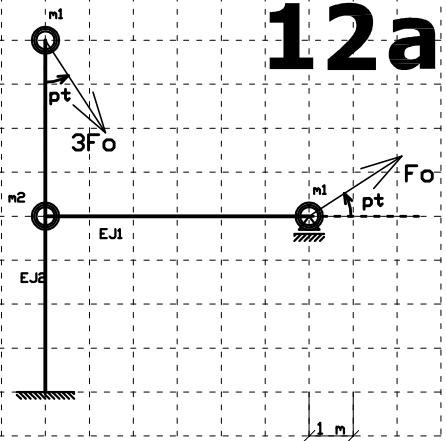
$EJ_1 = EJ_0$, $EJ_2 = 2 \cdot EJ_0$, $EJ_0 = 10 \text{ MN} \cdot \text{m}^2$
 $n_1 = 2 \cdot n_0$, $n_2 = 1 \cdot n_0$, $n_0 = 500 \text{ kg}$
 $p = 0,8 \omega l / 1,1 \omega l$, $F_o = 300 \text{ kN}$.

11a



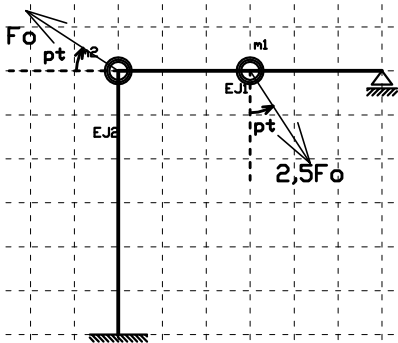
$EJ_1 = EJ_0$, $EJ_2 = 2 \cdot EJ_0$, $EJ_0 = 10 \text{ MN} \cdot \text{m}^2$
 $n_1 = 3 \cdot n_0$, $n_2 = 1 \cdot n_0$, $n_0 = 500 \text{ kg}$
 $p = 0,9 \omega l / 1,2 \omega l$, $F_o = 100 \text{ kN}$.

12a



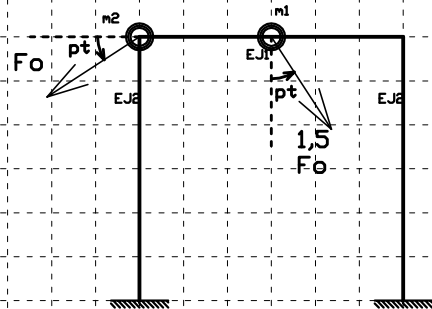
$EJ_1 = EJ_0$, $EJ_2 = 2 \cdot EJ_0$, $EJ_0 = 10 \text{ MN} \cdot \text{m}^2$
 $n_1 = 2 \cdot n_0$, $n_2 = 3 \cdot n_0$, $n_0 = 500 \text{ kg}$
 $p = 1,2 \omega l / 1,05 \omega l$, $F_o = 180 \text{ kN}$.

15a



$EJ_1 = EJ_0$, $EJ_2 = 2 \cdot EJ_0$, $EJ_0 = 10 \text{ MN} \cdot \text{m}^2$
 $n_1 = 3 \cdot n_0$, $n_2 = 1 \cdot n_0$, $n_0 = 500 \text{ kg}$
 $p = 1,2 \omega l / 0,7 \omega l$, $F_o = 250 \text{ kN}$.

16a



$EJ_1 = EJ_0$, $EJ_2 = 2 \cdot EJ_0$, $EJ_0 = 10 \text{ MN} \cdot \text{m}^2$
 $n_1 = 2 \cdot n_0$, $n_2 = 3 \cdot n_0$, $n_0 = 500 \text{ kg}$
 $p = 1,2 \omega l / 0,8 \omega l$, $F_o = 100 \text{ kN}$.