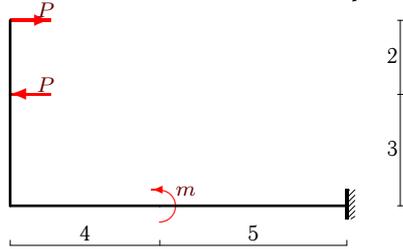


# Определение перемещений в консольной раме

Найти линейные  $\Delta_x$ ,  $\Delta_y$  и угловое перемещение  $\Delta_\varphi$  свободного конца консольной рамы. Условно принять  $EJ = 1$ .

**Задача 38.1.**

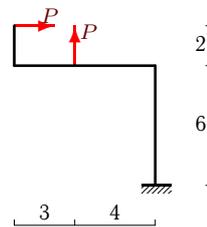
*Азаров Дмитрий*



$P = 3 \text{ кН}, m = 30 \text{ кНм}$

**Задача 38.2.**

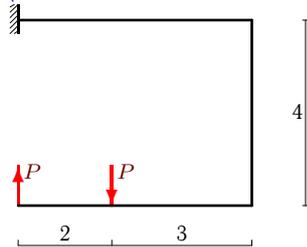
*Гаврилин Владимир*



$P = 3 \text{ кН}$

**Задача 38.3.**

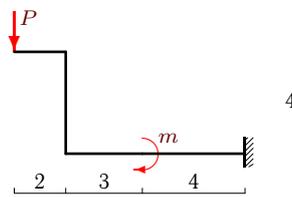
*Гладкова Елена*



$P = 3 \text{ кН}$

**Задача 38.4.**

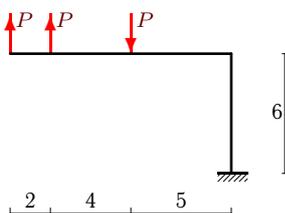
*Зимаков Олег*



$P = 3 \text{ кН}, m = 30 \text{ кНм}$

**Задача 38.5.**

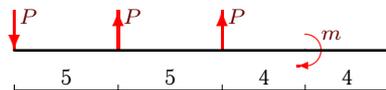
*Иванова Ксения*



$P = 3 \text{ кН}$

**Задача 38.6.**

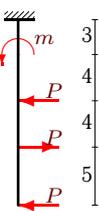
*Калинин Александр*



$P = 3 \text{ кН}, m = 84 \text{ кНм}$

**Задача 38.7.**

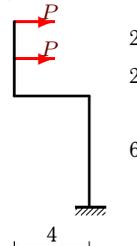
*Кольцова Наталья*



$P = 3 \text{ кН}, m = 78 \text{ кНм}$

**Задача 38.8.**

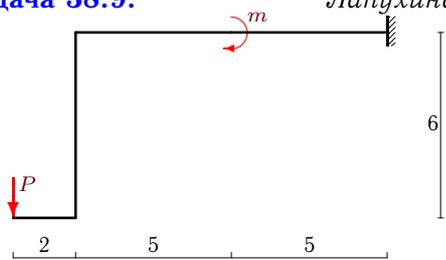
*Крыгин Михаил*



$P = 3 \text{ кН}$

**Задача 38.9.**

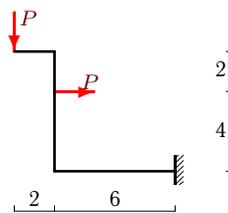
Лапухина Анна



$$P = 3 \text{ кН}, m = 42 \text{ кНм}$$

**Задача 38.10.**

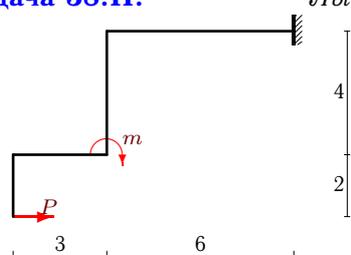
Лозинский Павел



$$P = 3 \text{ кН}$$

**Задача 38.11.**

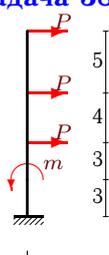
Лыжоров Алексей



$$P = 3 \text{ кН}, m = 36 \text{ кНм}$$

**Задача 38.12.**

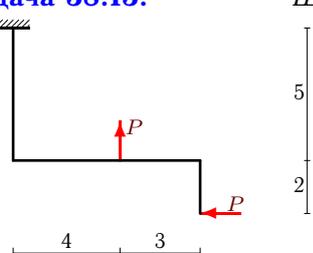
Орлова Анна



$$P = 3 \text{ кН}, m = 72 \text{ кНм}$$

**Задача 38.13.**

Шевлякова Алина



$$P = 3 \text{ кН}$$