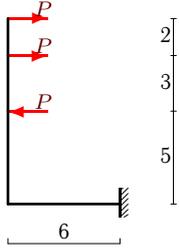


Определение перемещений в консольной раме

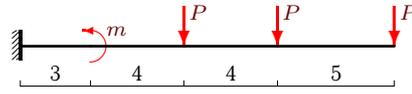
Найти линейные Δ_x , Δ_y и угловое перемещение Δ_φ свободного конца консольной рамы. Условно принять $EJ = 1$.

Задача 38.1. *Бирюков Алексей*



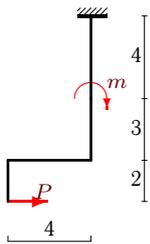
$P = 3 \text{ кН}$

Задача 38.2. *Дементьев Максим*



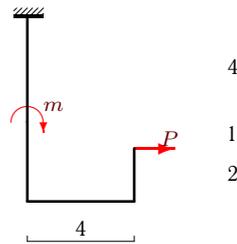
$P = 3 \text{ кН}, m = 78 \text{ кНм}$

Задача 38.3. *Жирнов Михаил*



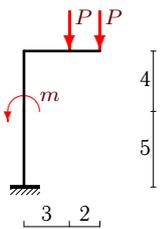
$P = 3 \text{ кН}, m = 30 \text{ кНм}$

Задача 38.4. *Зайцев Станислав*



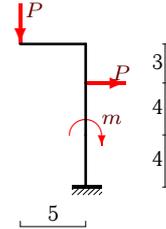
$P = 3 \text{ кН}, m = 6 \text{ кНм}$

Задача 38.5. *Крахмалева Ольга*



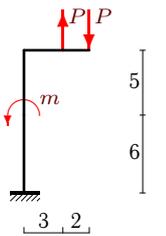
$P = 3 \text{ кН}, m = 30 \text{ кНм}$

Задача 38.6. *Кувиков Роман*



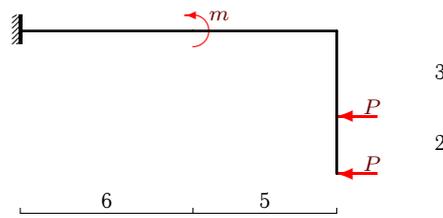
$P = 3 \text{ кН}, m = 30 \text{ кНм}$

Задача 38.7. *Куриленко Александр*



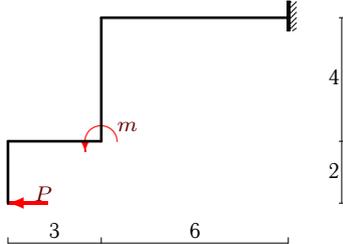
$P = 3 \text{ кН}, m = 30 \text{ кНм}$

Задача 38.8. *Липская Анна*



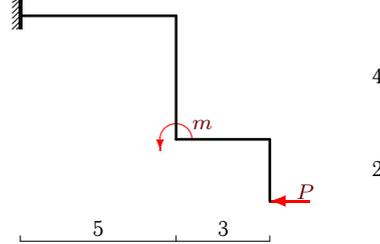
$P = 3 \text{ кН}, m = 30 \text{ кНм}$

Задача 38.9. *Лукина Анна*

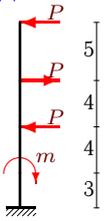


$P = 3 \text{ кН}, m = 36 \text{ кНм}$

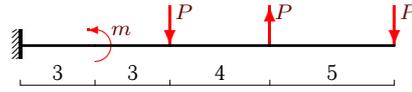
Задача 38.10. *Майданюк Михаил*



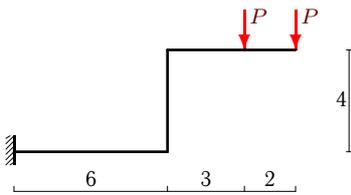
$P = 3 \text{ кН}, m = 36 \text{ кНм}$

Задача 38.11.*Мальцев Роман*

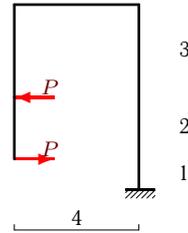
$$P = 3 \text{ кН}, m = 78 \text{ кНм}$$

Задача 38.12.*Никитина Ольга*

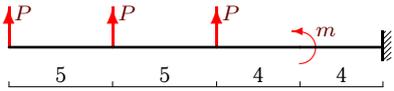
$$P = 3 \text{ кН}, m = 72 \text{ кНм}$$

Задача 38.13.*Похин Виктор*

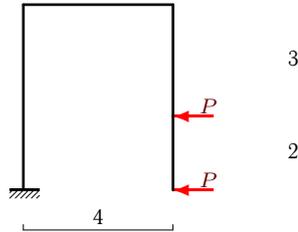
$$P = 3 \text{ кН}$$

Задача 38.14.*Рягузов Александр*

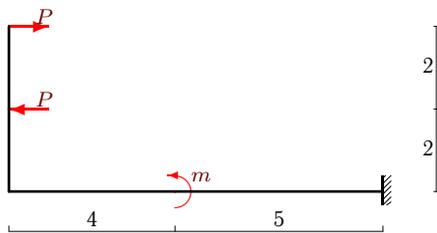
$$P = 3 \text{ кН}$$

Задача 38.15.*Свиридов Михаил*

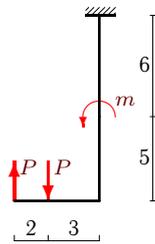
$$P = 3 \text{ кН}, m = 84 \text{ кНм}$$

Задача 38.16.*Стишов Владимир*

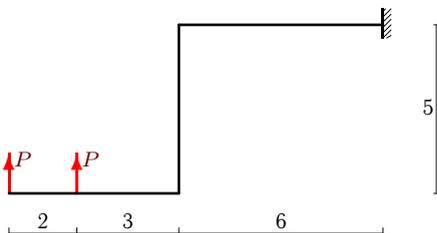
$$P = 3 \text{ кН}$$

Задача 38.17.*Тимофеев Евгений*

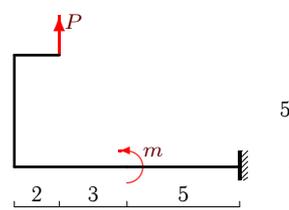
$$P = 3 \text{ кН}, m = 24 \text{ кНм}$$

Задача 38.18.*Титкова Ольга*

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

Задача 38.19.*Фролова Евгения*

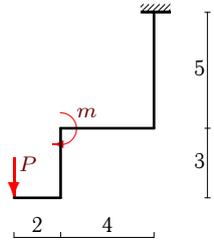
$$P = 3 \text{ кН}$$

Задача 38.20.*Шейн Илья*

$$P = 3 \text{ кН}, m = 18 \text{ кНм}$$

Задача 38.21.

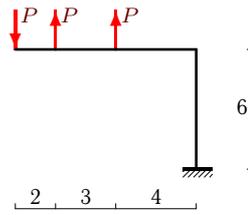
Власов Артем



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

Задача 38.22.

Семенов Максим



$P = 3 \text{ кН}$