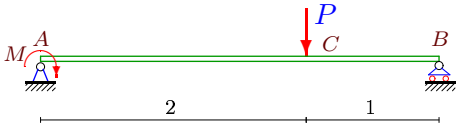


Балка

Найти прогиб Δy или угол поворота сечения $\Delta\varphi$ балки в указанной точке.

Задача 4.1.

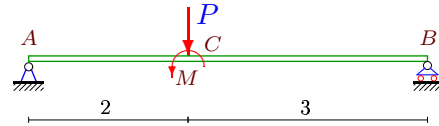
Бабченко Аким



$P = 9 \text{ кН}, M = 9 \text{ кНм}, \Delta\varphi_A = ?$

Задача 4.2.

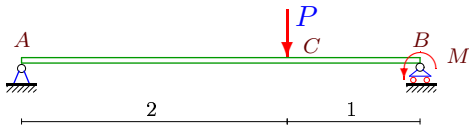
Баннов Иван



$P = 15 \text{ кН}, M = 15 \text{ кНм}, \Delta\varphi_A = ?$

Задача 4.3.

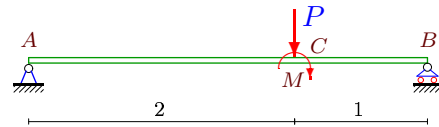
Баранов Егор



$P = 9 \text{ кН}, M = 18 \text{ кНм}, \Delta\varphi_A = ?$

Задача 4.4.

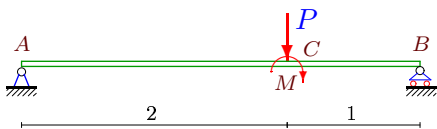
Батуро Кирилл



$P = 9 \text{ кН}, M = 9 \text{ кНм}, \Delta\varphi_A = ?$

Задача 4.5.

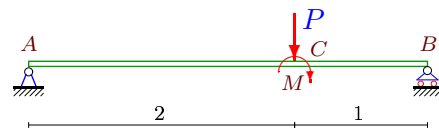
Брыксина Кристина



$P = 9 \text{ кН}, M = 9 \text{ кНм}, \Delta\varphi_A = ?$

Задача 4.6.

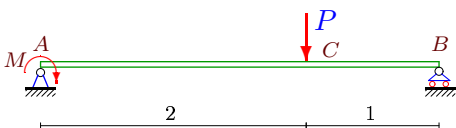
Воронин Ярослав



$P = 9 \text{ кН}, M = 9 \text{ кНм}, \Delta\varphi_A = ?$

Задача 4.7.

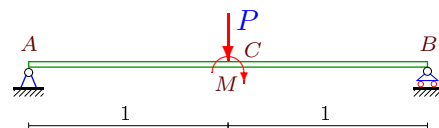
Гричанюк Елена



$P = 9 \text{ кН}, M = 18 \text{ кНм}, \Delta\varphi_B = ?$

Задача 4.8.

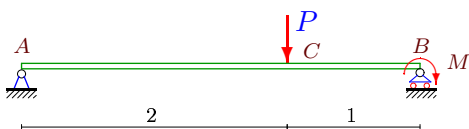
Карасев Иван



$P = 12 \text{ кН}, M = 12 \text{ кНм}, \Delta\varphi_B = ?$

Задача 4.9.

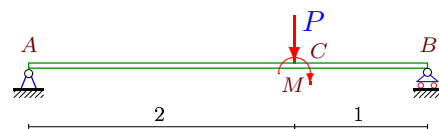
Макарова Ирина



$P = 9 \text{ кН}, M = 9 \text{ кНм}, \Delta\varphi_B = ?$

Задача 4.10.

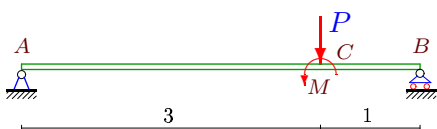
Мальсагов Аланбек



$P = 18 \text{ кН}, M = 18 \text{ кНм}, \Delta\varphi_B = ?$

Задача 4.11.

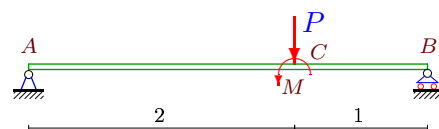
Мартыненко Александр



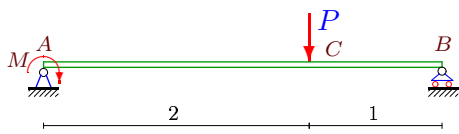
$P = 24 \text{ кН}, M = 24 \text{ кНм}, \Delta\varphi_B = ?$

Задача 4.12.

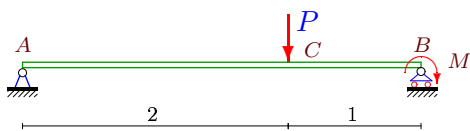
Пономарев Александр



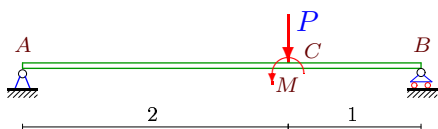
$P = 18 \text{ кН}, M = 18 \text{ кНм}, \Delta\varphi_B = ?$

Задача 4.13.*Романков Николай*

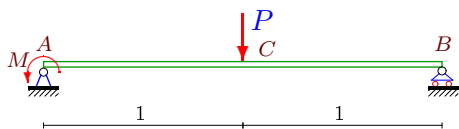
$$P = 9 \text{ кН}, M = 18 \text{ кНм}, \Delta\varphi_C = ?$$

Задача 4.15.*Слепцов Вадим*

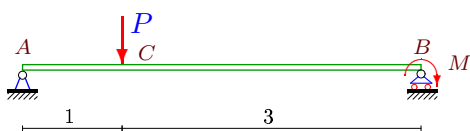
$$P = 9 \text{ кН}, M = 36 \text{ кНм}, \Delta\varphi_C = ?$$

Задача 4.17.*Чембилеев Данил*

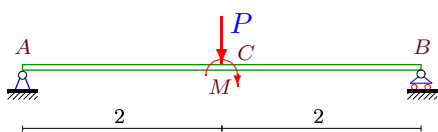
$$P = 9 \text{ кН}, M = 18 \text{ кНм}, \Delta\varphi_C = ?$$

Задача 4.19.*Верещагина Елизавета*

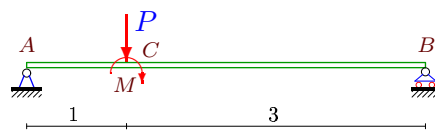
$$P = 6 \text{ кН}, M = 12 \text{ кНм}, \Delta y_C = ?$$

Задача 4.21.*Галеев Максим*

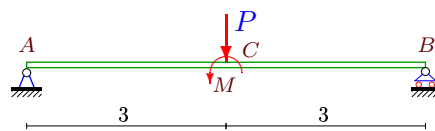
$$P = 8 \text{ кН}, M = 8 \text{ кНм}, \Delta y_C = ?$$

Задача 4.23.*Ивкин Даниил*

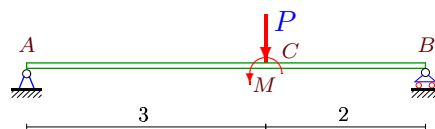
$$P = 3 \text{ кН}, M = 6 \text{ кНм}, \Delta y_C = ?$$

Задача 4.14.*Семенов Александр*

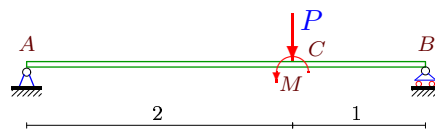
$$P = 12 \text{ кН}, M = 24 \text{ кНм}, \Delta\varphi_C = ?$$

Задача 4.16.*Суряев Андрей*

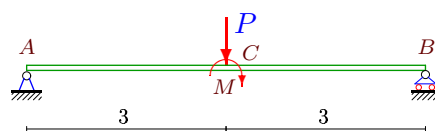
$$P = 6 \text{ кН}, M = 12 \text{ кНм}, \Delta\varphi_C = ?$$

Задача 4.18.*Юферов Андрей*

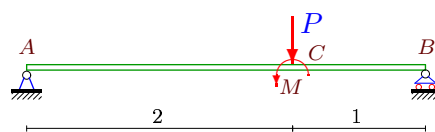
$$P = 15 \text{ кН}, M = 30 \text{ кНм}, \Delta\varphi_C = ?$$

Задача 4.20.*Вычужина Злата*

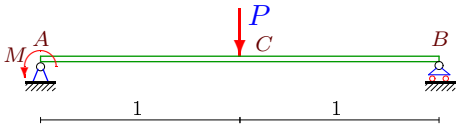
$$P = 9 \text{ кН}, M = 18 \text{ кНм}, \Delta y_C = ?$$

Задача 4.22.*Гусев Олег*

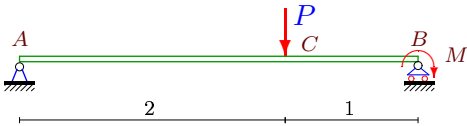
$$P = 6 \text{ кН}, M = 12 \text{ кНм}, \Delta y_C = ?$$

Задача 4.24.*Корнеев Никита*

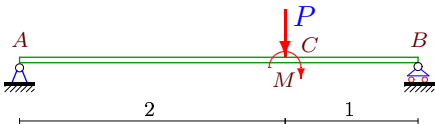
$$P = 9 \text{ кН}, M = 18 \text{ кНм}, \Delta y_C = ?$$

Задача 4.25.*Корочкин Дмитрий*

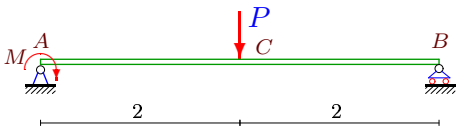
$$P = 6 \text{ кН}, M = 12 \text{ кНм}, \Delta y_C = ?$$

Задача 4.27.*Максимов Михаил*

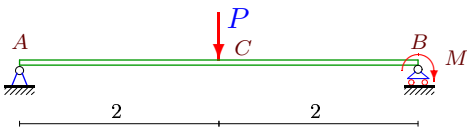
$$P = 9 \text{ кН}, M = 18 \text{ кНм}, \Delta y_C = ?$$

Задача 4.29.*Манукало Арсений*

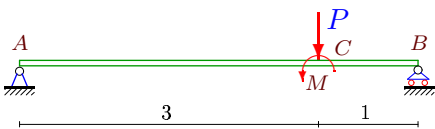
$$P = 9 \text{ кН}, M = 18 \text{ кНм}, \Delta y_C = ?$$

Задача 4.31.*Панькин Александр*

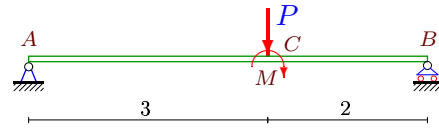
$$P = 12 \text{ кН}, M = 12 \text{ кНм}, \Delta y_C = ?$$

Задача 4.33.*Ревюк Всеволод*

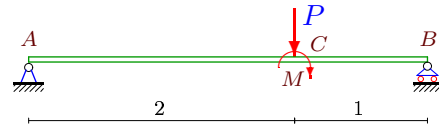
$$P = 3 \text{ кН}, M = 6 \text{ кНм}, \Delta y_C = ?$$

Задача 4.35.*Савина Мария*

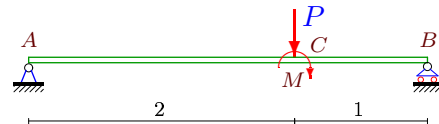
$$P = 24 \text{ кН}, M = 24 \text{ кНм}, \Delta \varphi_B = ?$$

Задача 4.26.*Ларионов Николай*

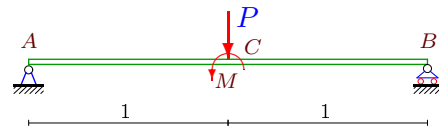
$$P = 5 \text{ кН}, M = 10 \text{ кНм}, \Delta y_C = ?$$

Задача 4.28.*Мальков Дмитрий*

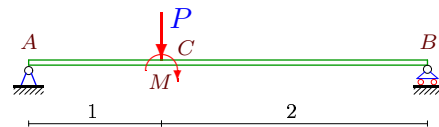
$$P = 9 \text{ кН}, M = 18 \text{ кНм}, \Delta y_C = ?$$

Задача 4.30.*Моторин Кирилл*

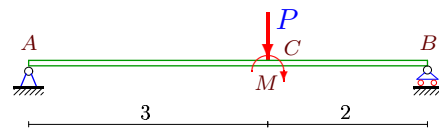
$$P = 9 \text{ кН}, M = 36 \text{ кНм}, \Delta y_C = ?$$

Задача 4.32.*Райков Александр*

$$P = 6 \text{ кН}, M = 12 \text{ кНм}, \Delta y_C = ?$$

Задача 4.34.*Ринчинова Сэлмэг*

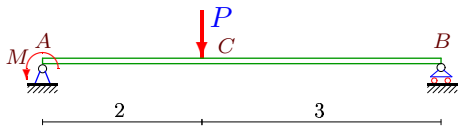
$$P = 9 \text{ кН}, M = 18 \text{ кНм}, \Delta y_C = ?$$

Задача 4.36.*Черниговская*

$$P = 5 \text{ кН}, M = 20 \text{ кНм}, \Delta y_C = ?$$

Задача 4.37.

Юрин Кирилл



$P = 15 \text{ кН}, M = 30 \text{ кНм}, \Delta\varphi_A = ?$