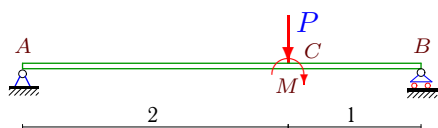


Балка

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

Задача М4.1.

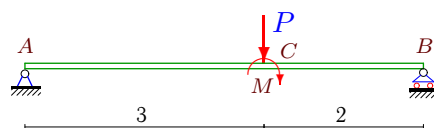
333



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

Задача М4.2.

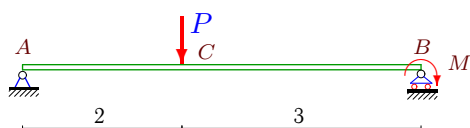
333



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

Задача М4.3.

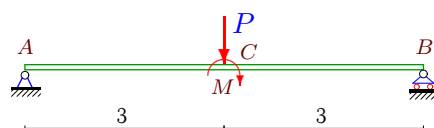
333



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

Задача М4.4.

333



$$P = 6 \text{ кН}, M = 24 \text{ кНм}, \Delta y_C = ?$$

Задача М4.5.

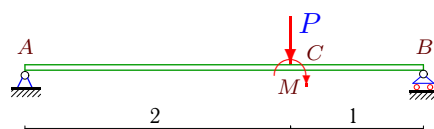
333



$$P = 12 \text{ кН}, M = 48 \text{ кНм}, \Delta\varphi_C = ?$$

Задача М4.6.

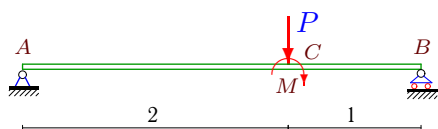
333



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

Задача М4.7.

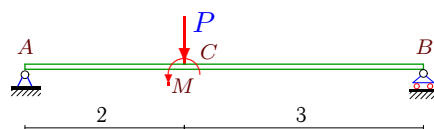
333



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

Задача М4.8.

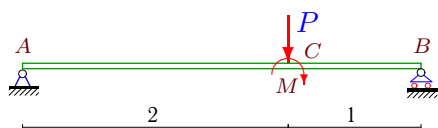
333



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

Задача М4.9.

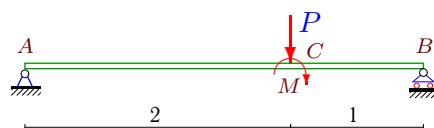
333



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

Задача М4.10.

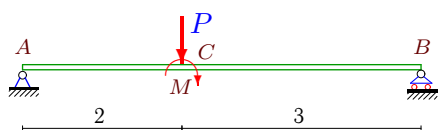
333



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

Задача М4.11.

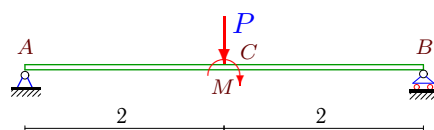
333



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

Задача М4.12.

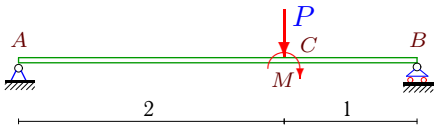
333



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

Задача М4.13.

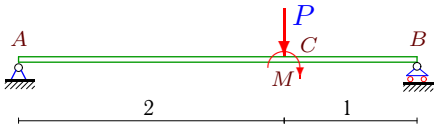
333



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

Задача М4.15.

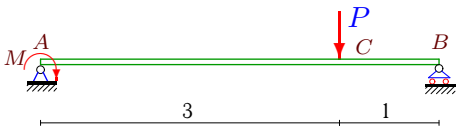
333



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

Задача М4.17.

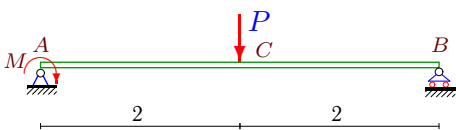
333



$P = 4 \text{ кН}, M = 16 \text{ кНм}, \Delta y_C = ?$

Задача М4.19.

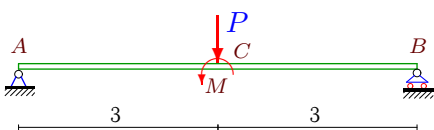
333



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

Задача М4.21.

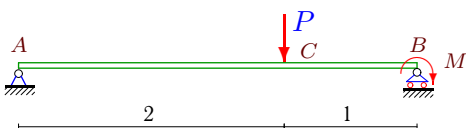
333



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

Задача М4.23.

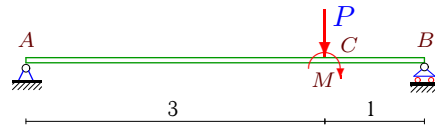
333



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

Задача М4.14.

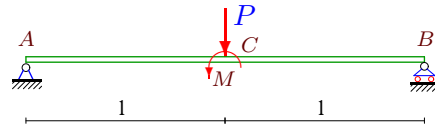
333



$P = 4 \text{ кН}, M = 8 \text{ кНм}, \Delta y_C = ?$

Задача М4.16.

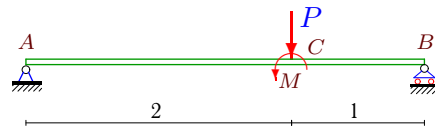
333



$P = 6 \text{ кН}, M = 24 \text{ кНм}, \Delta y_C = ?$

Задача М4.18.

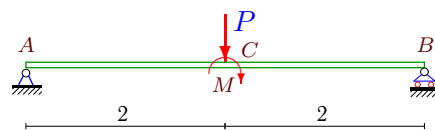
333



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

Задача М4.20.

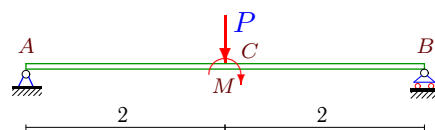
333



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

Задача М4.22.

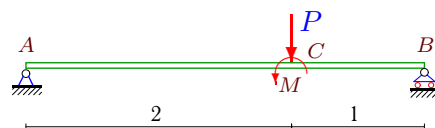
333



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

Задача М4.24.

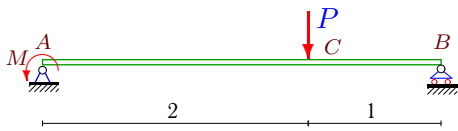
333



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

Задача М4.25.

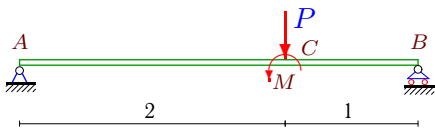
333



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

Задача М4.27.

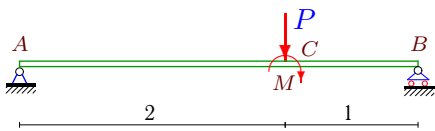
333



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

Задача М4.29.

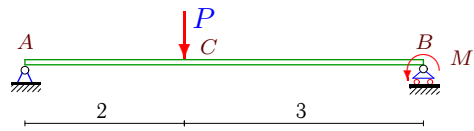
333



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

Задача М4.26.

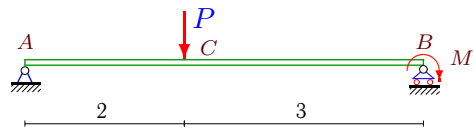
333



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

Задача М4.28.

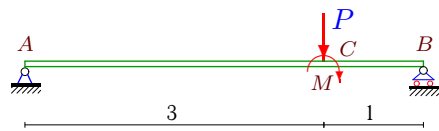
333



$P = 15 \text{ кН}, M = 60 \text{ кНм}, \Delta \varphi_C = ?$

Задача М4.30.

333



$P = 4 \text{ кН}, M = 8 \text{ кНм}, \Delta y_C = ?$