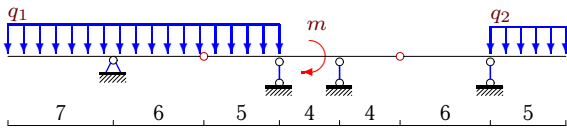


Многопролетная балка

Определить реакции опор многопролетной балки.

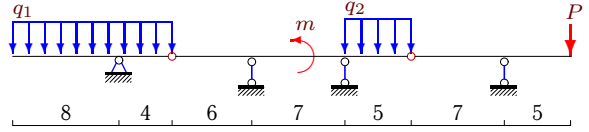
Задача 29.1



$$m=2 \text{ кНм}, q_1=6 \frac{\text{кН}}{\text{М}}, q_2=5 \frac{\text{кН}}{\text{М}}$$

29.1

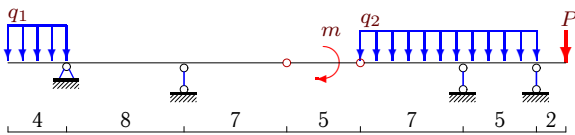
Задача 29.2



$$m=2 \text{ кНм}, q_1=7 \frac{\text{кН}}{\text{М}}, q_2=8 \frac{\text{кН}}{\text{М}}, P=8 \text{ кН}$$

29.1

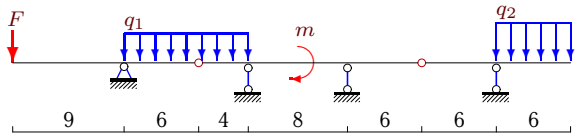
Задача 29.3



$$m=8 \text{ кНм}, q_1=8 \frac{\text{кН}}{\text{М}}, q_2=6 \frac{\text{кН}}{\text{М}}, P=6 \text{ кН}$$

29.1

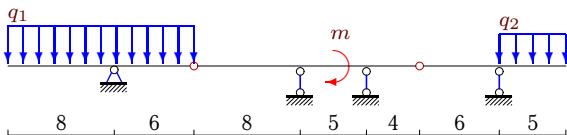
Задача 29.4



$$m=2 \text{ кНм}, q_1=5 \frac{\text{кН}}{\text{М}}, q_2=9 \frac{\text{кН}}{\text{М}}, F=7 \text{ кН}$$

29.1

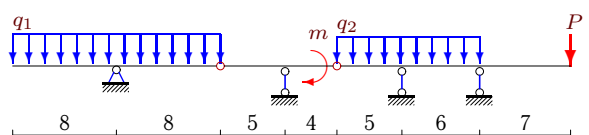
Задача 29.5



$$m=2 \text{ кНм}, q_1=9 \frac{\text{кН}}{\text{М}}, q_2=6 \frac{\text{кН}}{\text{М}}$$

29.1

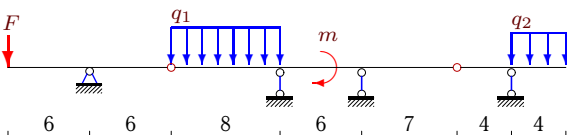
Задача 29.6



$$m=2 \text{ кНм}, q_1=6 \frac{\text{кН}}{\text{М}}, q_2=5 \frac{\text{кН}}{\text{М}}, P=7 \text{ кН}$$

29.1

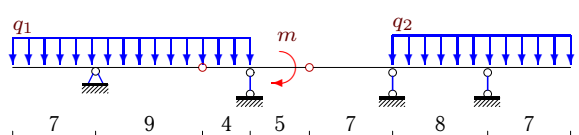
Задача 29.7



$$m=2 \text{ кНм}, q_1=9 \frac{\text{кН}}{\text{М}}, q_2=7 \frac{\text{кН}}{\text{М}}, F=8 \text{ кН}$$

29.1

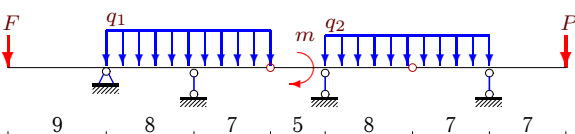
Задача 29.8



$$m=4 \text{ кНм}, q_1=5 \frac{\text{кН}}{\text{М}}, q_2=6 \frac{\text{кН}}{\text{М}}$$

29.1

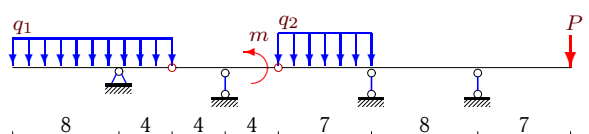
Задача 29.9



$$m=4 \text{ кНм}, q_1=8 \frac{\text{кН}}{\text{М}}, q_2=6 \frac{\text{кН}}{\text{М}}, F=9 \text{ кН}, P=8 \text{ кН}$$

29.1

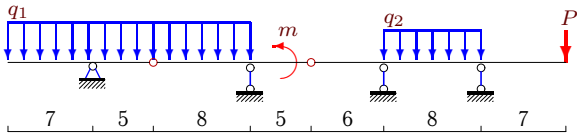
Задача 29.10



$$m=6 \text{ кНм}, q_1=5 \frac{\text{кН}}{\text{М}}, q_2=7 \frac{\text{кН}}{\text{М}}, P=9 \text{ кН}$$

29.1

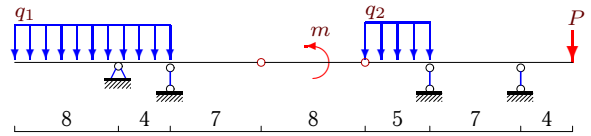
Задача 29.11



$m=4 \text{ кНм}, q_1=9 \frac{\text{кН}}{\text{м}}, q_2=6 \frac{\text{кН}}{\text{м}}, P=9 \text{ кН}$

29.1

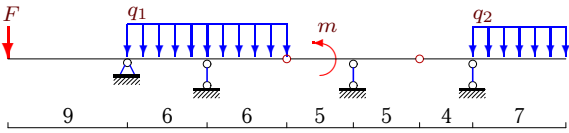
Задача 29.12



$m=9 \text{ кНм}, q_1=8 \frac{\text{кН}}{\text{м}}, q_2=9 \frac{\text{кН}}{\text{м}}, P=8 \text{ кН}$

29.1

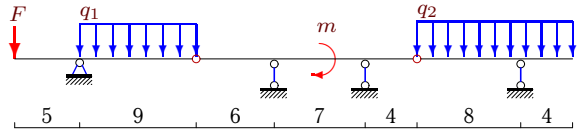
Задача 29.13



$m=9 \text{ кНм}, q_1=7 \frac{\text{кН}}{\text{м}}, q_2=6 \frac{\text{кН}}{\text{м}}, F=6 \text{ кН}$

29.1

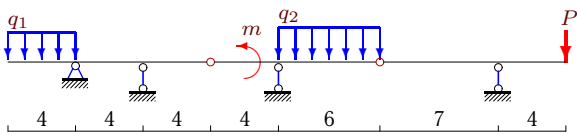
Задача 29.14



$m=8 \text{ кНм}, q_1=7 \frac{\text{кН}}{\text{м}}, q_2=8 \frac{\text{кН}}{\text{м}}, F=5 \text{ кН}$

29.1

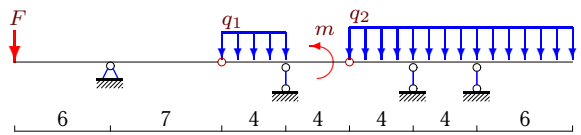
Задача 29.15



$m=4 \text{ кНм}, q_1=5 \frac{\text{кН}}{\text{м}}, q_2=7 \frac{\text{кН}}{\text{м}}, P=8 \text{ кН}$

29.1

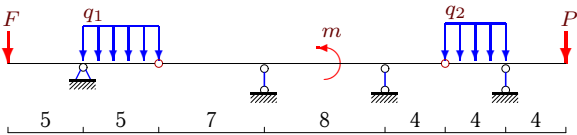
Задача 29.16



$m=9 \text{ кНм}, q_1=5 \frac{\text{кН}}{\text{м}}, q_2=7 \frac{\text{кН}}{\text{м}}, F=5 \text{ кН}$

29.1

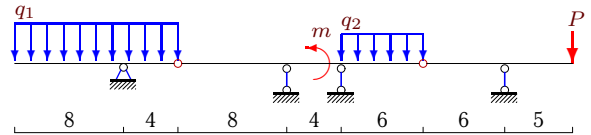
Задача 29.17



$m=9 \text{ кНм}, q_1=8 \frac{\text{кН}}{\text{м}}, q_2=9 \frac{\text{кН}}{\text{м}}, F=5 \text{ кН}, P=5 \text{ кН}$

29.1

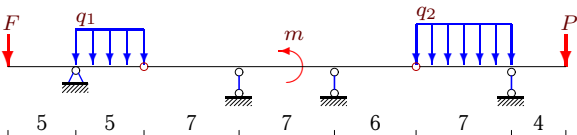
Задача 29.18



$m=2 \text{ кНм}, q_1=9 \frac{\text{кН}}{\text{м}}, q_2=5 \frac{\text{кН}}{\text{м}}, P=7 \text{ кН}$

29.1

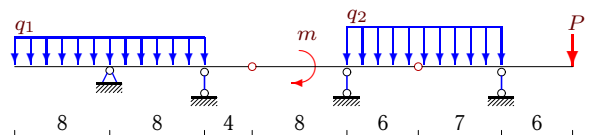
Задача 29.19



$m=9 \text{ кНм}, q_1=8 \frac{\text{кН}}{\text{м}}, q_2=10 \frac{\text{кН}}{\text{м}}, F=7 \text{ кН}, P=8 \text{ кН}$

29.1

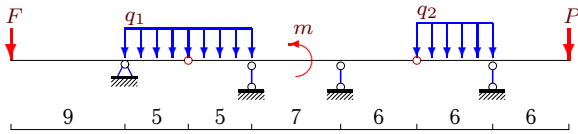
Задача 29.20



$m=4 \text{ кНм}, q_1=5 \frac{\text{кН}}{\text{м}}, q_2=9 \frac{\text{кН}}{\text{м}}, P=8 \text{ кН}$

29.1

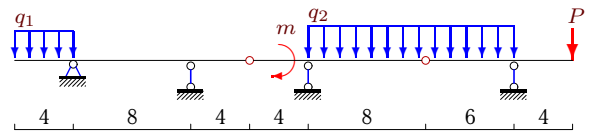
Задача 29.21



$m=9 \text{ кНм}, q_1=6 \frac{\text{кН}}{\text{м}}, q_2=8 \frac{\text{кН}}{\text{м}}, F=7 \text{ кН}, P=7 \text{ кН}$

29.1

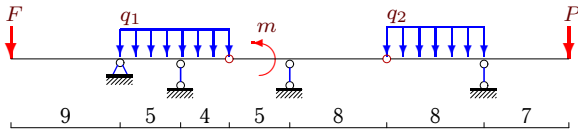
Задача 29.22



$m=4 \text{ кНм}, q_1=5 \frac{\text{кН}}{\text{м}}, q_2=7 \frac{\text{кН}}{\text{м}}, P=7 \text{ кН}$

29.1

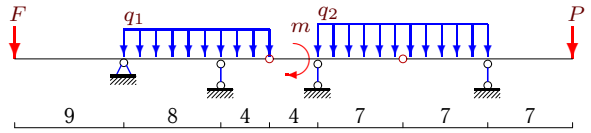
Задача 29.23



$m=2 \text{ кНм}, q_1=5 \frac{\text{кН}}{\text{м}}, q_2=6 \frac{\text{кН}}{\text{м}}, F=9 \text{ кН}, P=9 \text{ кН}$

29.1

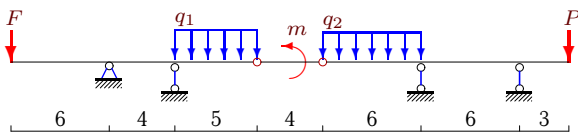
Задача 29.24



$m=4 \text{ кНм}, q_1=5 \frac{\text{кН}}{\text{м}}, q_2=7 \frac{\text{кН}}{\text{м}}, F=8 \text{ кН}, P=8 \text{ кН}$

29.1

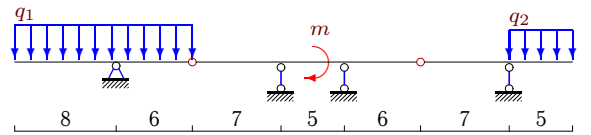
Задача 29.25



$m=9 \text{ кНм}, q_1=6 \frac{\text{кН}}{\text{м}}, q_2=5 \frac{\text{кН}}{\text{м}}, F=7 \text{ кН}, P=7 \text{ кН}$

29.1

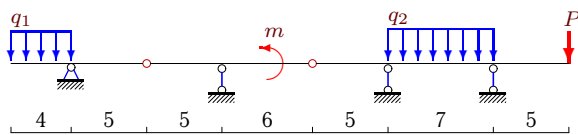
Задача 29.26



$m=2 \text{ кНм}, q_1=8 \frac{\text{кН}}{\text{м}}, q_2=6 \frac{\text{кН}}{\text{м}}$

29.1

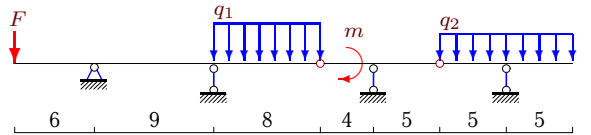
Задача 29.27



$m=4 \text{ кНм}, q_1=6 \frac{\text{кН}}{\text{м}}, q_2=7 \frac{\text{кН}}{\text{м}}, P=8 \text{ кН}$

29.1

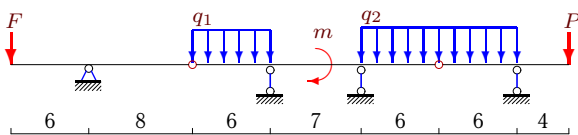
Задача 29.28



$m=6 \text{ кНм}, q_1=9 \frac{\text{кН}}{\text{м}}, q_2=5 \frac{\text{кН}}{\text{м}}, F=6 \text{ кН}$

29.1

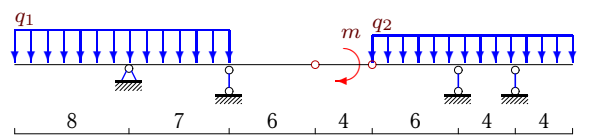
Задача 29.29



$m=6 \text{ кНм}, q_1=7 \frac{\text{кН}}{\text{м}}, q_2=8 \frac{\text{кН}}{\text{м}}, F=7 \text{ кН}, P=7 \text{ кН}$

29.1

Задача 29.30



$m=6 \text{ кНм}, q_1=7 \frac{\text{кН}}{\text{м}}, q_2=5 \frac{\text{кН}}{\text{м}}$

29.1

Многопролетная балка

	R_1	R_2	R_3	R_4
1	84.5	44.04	-30.96	35.42
2	126	-87.92	80.2	13.71
3	41.4	-11	87.84	-8.24
4	32.5	51.75	-54.25	81
5	147	-45	11.5	42.5
6	96	-0.5	43.17	19.33
7	16	117.33	-67.33	42
8	71.11	43.2	-21.2	96.9
9	79.13	-10.13	121	37
10	90	-58.5	116	-29.5
11	129.6	74.24	-25.6	58.76
12	142.03	-44.9	54.57	-2.7
13	-23.55	152.1	-75.3	78.75
14	39.28	38.48	14.24	72
15	53.64	-57.29	61.07	12.57
16	9.29	23.68	8.57	81.46
17	30	22.75	5.25	28
18	162	-175.25	145.42	12.83
19	34	1.2	42.22	47.57
20	99.62	-58.85	117.88	46.36
21	34.6	31.54	17.86	38
22	69.83	-139.5	162	32.67
23	50.02	-21.42	41.53	40.88
24	68.38	-73.13	138.25	40.5
25	-4.06	43.31	37	-2.25
26	130.67	-32.34	2.96	40.71
27	33.6	-16.93	31.36	32.98
28	-20.67	97.17	1.5	50
29	12.25	12.25	91.83	35.67
30	113.79	-10.29	56.25	15.25