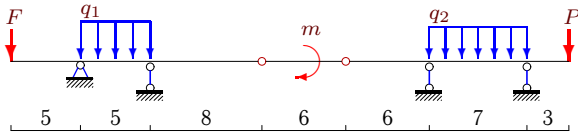


Многопролетная балка

Определить реакции опор многопролетной балки.

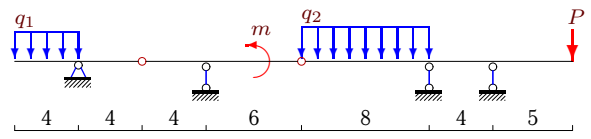
Задача 29.1



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

29.2

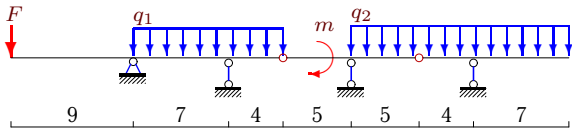
Задача 29.2



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

29.2

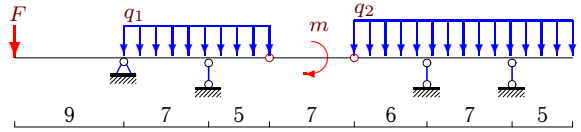
Задача 29.3



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

29.2

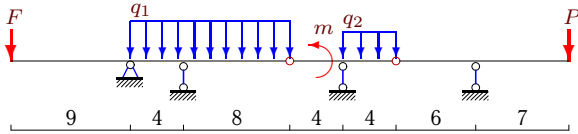
Задача 29.4



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

29.2

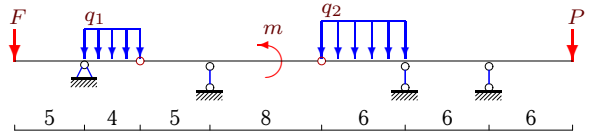
Задача 29.5



$m=4 \text{ кНм}, q_1=9 \frac{\text{кН}}{\text{м}}, q_2=5 \frac{\text{кН}}{\text{м}}, F=5 \text{ кН}, P=7 \text{ кН}$

29.2

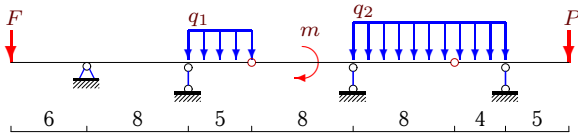
Задача 29.6



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

29.2

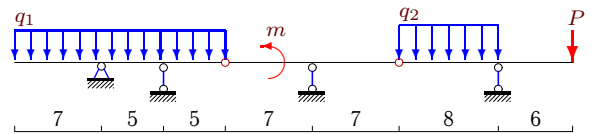
Задача 29.7



$m=4 \text{ кНм}, q_1=6 \frac{\text{кН}}{\text{м}}, q_2=9 \frac{\text{кН}}{\text{м}}, F=9 \text{ кН}, P=5 \text{ кН}$

29.2

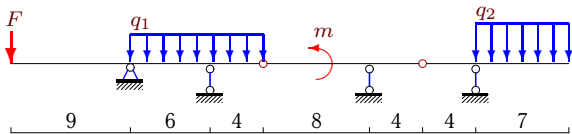
Задача 29.8



$m=2 \text{ кНм}, q_1=6 \frac{\text{кН}}{\text{м}}, q_2=8 \frac{\text{кН}}{\text{м}}, P=9 \text{ кН}$

29.2

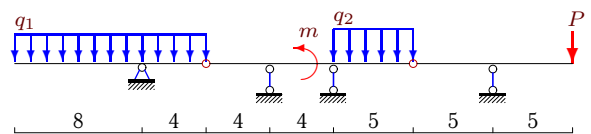
Задача 29.9



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

29.2

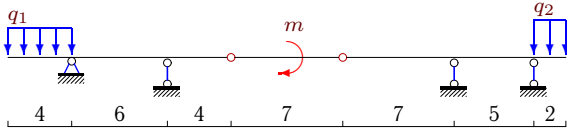
Задача 29.10



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

29.2

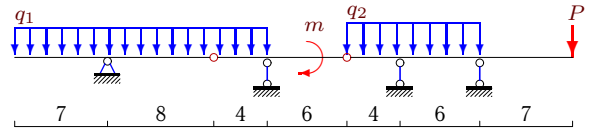
Задача 29.11



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

29.2

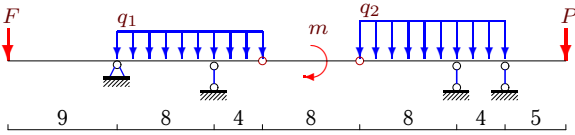
Задача 29.12



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

29.2

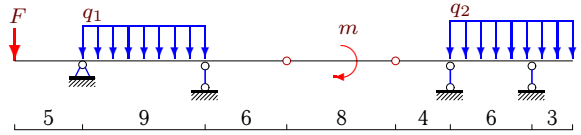
Задача 29.13



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

29.2

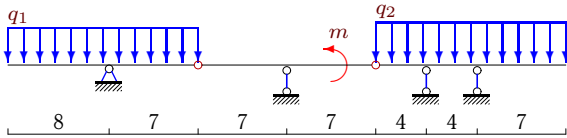
Задача 29.14



$m=10 \text{ кНм}, q_1=7 \frac{\text{кН}}{\text{м}}, q_2=9 \frac{\text{кН}}{\text{м}}, F=5 \text{ кН}$

29.2

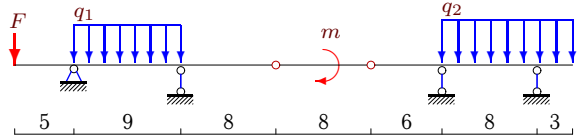
Задача 29.15



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

29.2

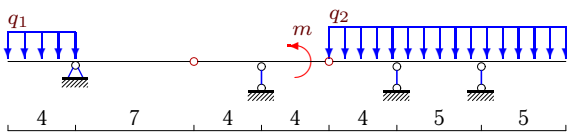
Задача 29.16



$m=10 \text{ кНм}, q_1=9 \frac{\text{кН}}{\text{м}}, q_2=11 \frac{\text{кН}}{\text{м}}, F=7 \text{ кН}$

29.2

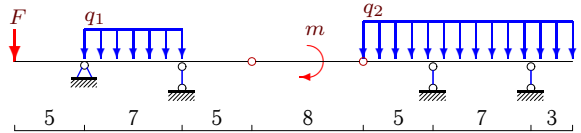
Задача 29.17



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

29.2

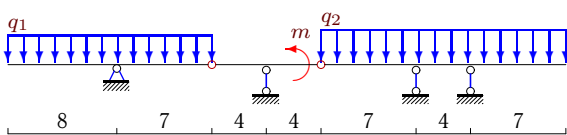
Задача 29.18



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

29.2

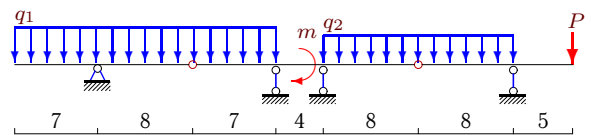
Задача 29.19



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

29.2

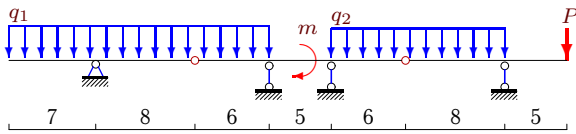
Задача 29.20



$m=6 \text{ кНм}, q_1=8 \frac{\text{кН}}{\text{м}}, q_2=5 \frac{\text{кН}}{\text{м}}, P=9 \text{ кН}$

29.2

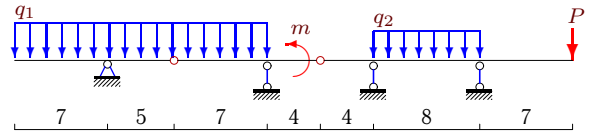
Задача 29.21



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

29.2

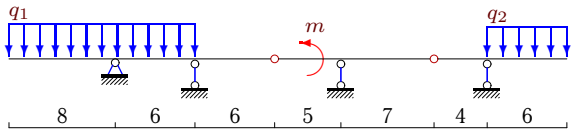
Задача 29.22



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

29.2

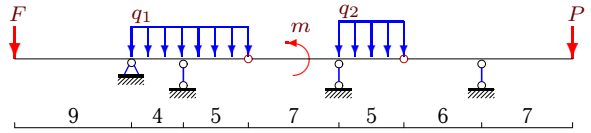
Задача 29.23



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

29.2

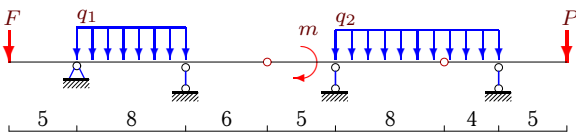
Задача 29.24



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

29.2

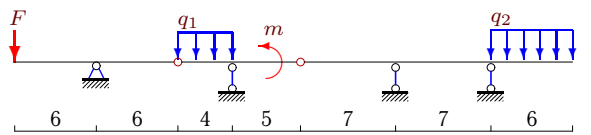
Задача 29.25



$m=4 \text{ кНм}, q_1=7 \frac{\text{кН}}{\text{м}}, q_2=6 \frac{\text{кН}}{\text{м}}, F=9 \text{ кН}, P=5 \text{ кН}$

29.2

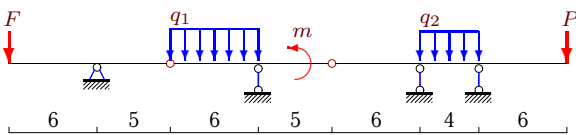
Задача 29.26



$m=2 \text{ кНм}, q_1=5 \frac{\text{кН}}{\text{м}}, q_2=6 \frac{\text{кН}}{\text{м}}, F=8 \text{ кН}$

29.2

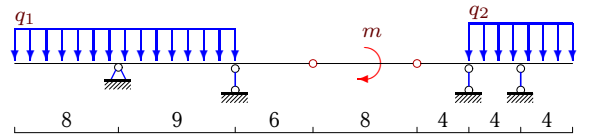
Задача 29.27



$m=4 \text{ кНм}, q_1=7 \frac{\text{кН}}{\text{м}}, q_2=6 \frac{\text{кН}}{\text{м}}, F=7 \text{ кН}, P=5 \text{ кН}$

29.2

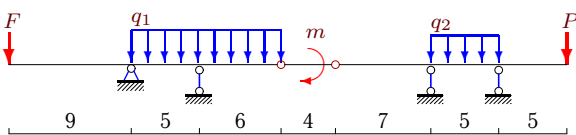
Задача 29.28



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

29.2

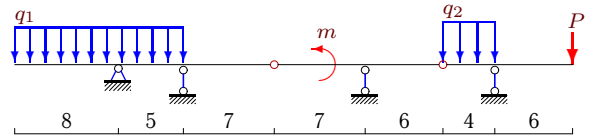
Задача 29.29



$m=2 \text{ кНм}, q_1=7 \frac{\text{кН}}{\text{м}}, q_2=5 \frac{\text{кН}}{\text{м}}, F=8 \text{ кН}, P=6 \text{ кН}$

29.2

Задача 29.30



$m=2 \text{ кНм}, q_1=8 \frac{\text{кН}}{\text{м}}, q_2=10 \frac{\text{кН}}{\text{м}}, P=5 \text{ кН}$

29.2

Многопролетная балка

	R_1	R_2	R_3	R_4
1	37.03	14.63	21.69	35.64
2	30	-15.67	122.75	-56.08
3	20.16	50.2	-4.1	90.75
4	26.9	51.24	83.88	60.98
5	-36.08	148.25	12.67	15.17
6	27.75	6.03	68.44	-10.22
7	36.53	-45.78	132	29.25
8	96.36	-19.33	50.21	47.75
9	1.7	81.98	-83.81	118.13
10	90	-73.88	72.88	12
11	27.05	-7.62	-1.83	18.4
12	70.31	34.15	34.4	33.14
13	34.63	33.38	158.75	-44.75
14	40.11	26.64	22.33	59.92
15	128.57	-15.86	33.32	123.96
16	52.5	34.25	40	82.25
17	25.71	-9.18	45.44	56.03
18	31.82	15.43	88.07	47.68
19	80.36	-8.46	71.54	57.56
20	112.5	55.38	62.5	34.63
21	98.44	36.79	66.15	38.63
22	115.2	53.2	-12.47	45.08
23	74.73	62.87	-66.6	63
24	22.6	29.52	39.71	15.17
25	78.93	-62.33	102.15	23.25
26	16	14	-19.43	53.43
27	15.4	49.52	-35.3	48.38
28	113.22	4.53	2.5	70.75
29	15.3	69.2	7.7	23.8
30	149.8	-56.23	22.93	32.5