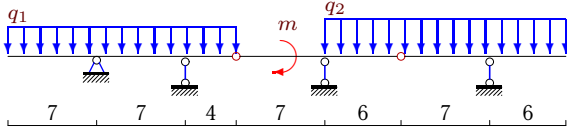


# Многопролетная балка

Определить реакции опор многопролетной балки.

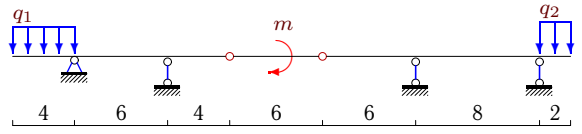
**Задача 29.1**



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

29.3

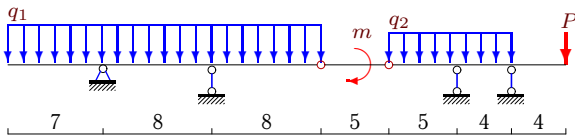
**Задача 29.2**



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

29.3

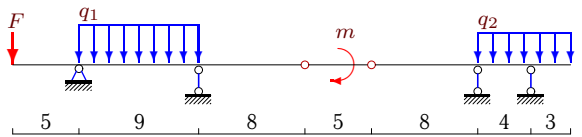
**Задача 29.3**



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

29.3

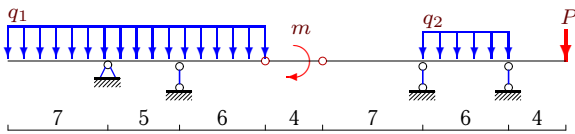
**Задача 29.4**



$m=10 \text{ кНм}, q_1=9 \frac{\text{кН}}{\text{М}}, q_2=6 \frac{\text{кН}}{\text{М}}, F=9 \text{ кН}$

29.3

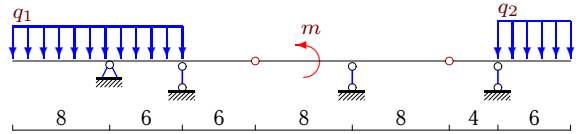
**Задача 29.5**



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

29.3

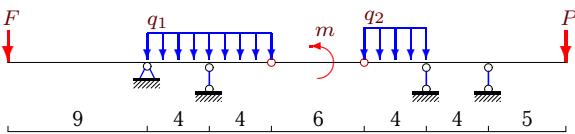
**Задача 29.6**



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

29.3

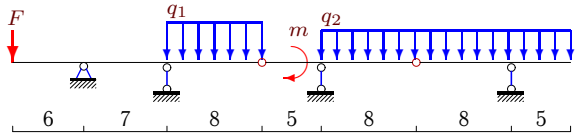
**Задача 29.7**



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

29.3

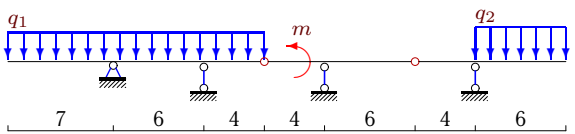
**Задача 29.8**



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

29.3

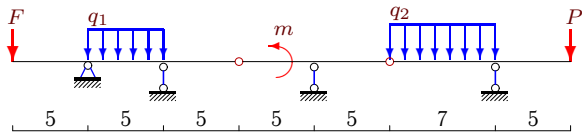
**Задача 29.9**



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

29.3

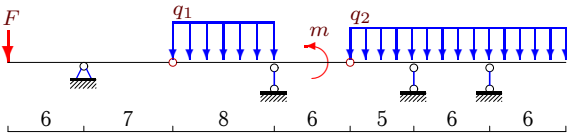
**Задача 29.10**



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

29.3

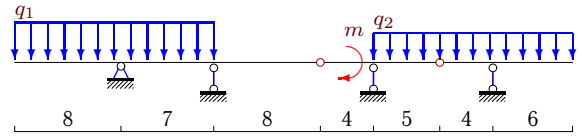
**Задача 29.11**



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

29.3

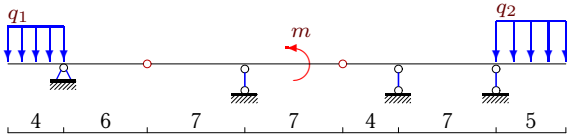
**Задача 29.12**



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

29.3

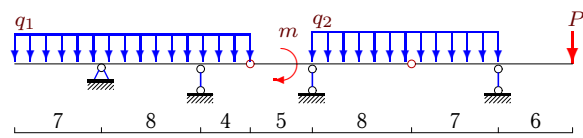
**Задача 29.13**



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

29.3

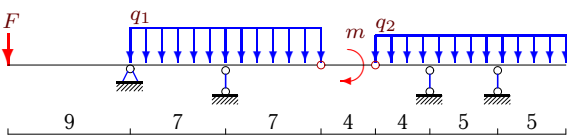
**Задача 29.14**



$m=4 \text{ кНм}, q_1=5 \frac{\text{кН}}{\text{М}}, q_2=6 \frac{\text{кН}}{\text{М}}, P=8 \text{ кН}$

29.3

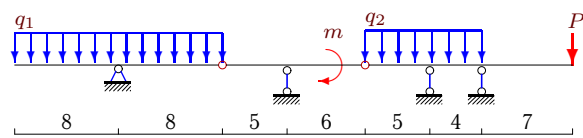
**Задача 29.15**



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

29.3

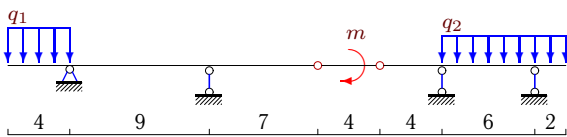
**Задача 29.16**



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

29.3

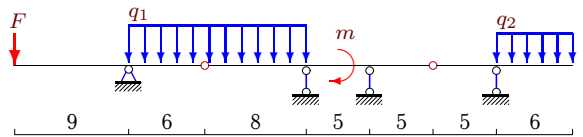
**Задача 29.17**



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

29.3

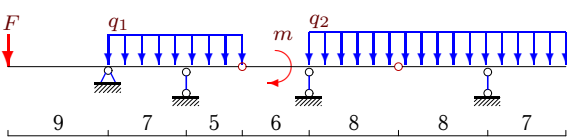
**Задача 29.18**



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

29.3

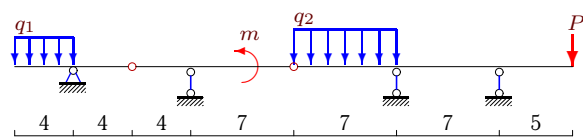
**Задача 29.19**



$m=2 \text{ кНм}, q_1=6 \frac{\text{кН}}{\text{М}}, q_2=7 \frac{\text{кН}}{\text{М}}, F=9 \text{ кН}$

29.3

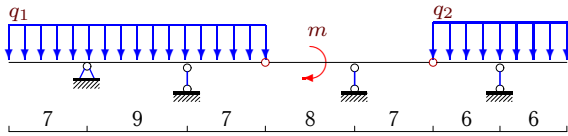
**Задача 29.20**



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

29.3

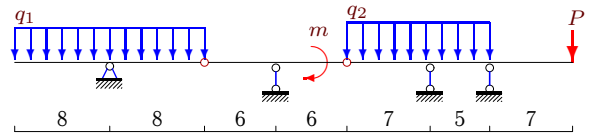
**Задача 29.21**



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

29.3

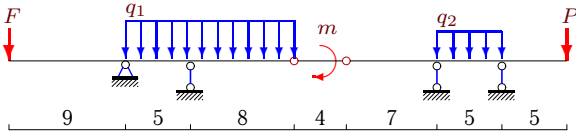
**Задача 29.22**



$m=2 \text{ кНм}, q_1=7 \frac{\text{кН}}{\text{м}}, q_2=9 \frac{\text{кН}}{\text{м}}, P=6 \text{ кН}$

29.3

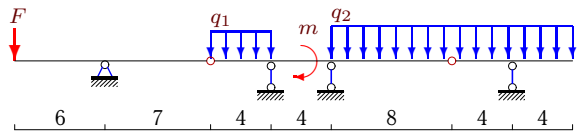
**Задача 29.23**



$m=2 \text{ кНм}, q_1=9 \frac{\text{кН}}{\text{м}}, q_2=5 \frac{\text{кН}}{\text{м}}, F=8 \text{ кН}, P=6 \text{ кН}$

29.3

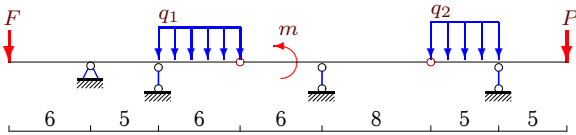
**Задача 29.24**



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

29.3

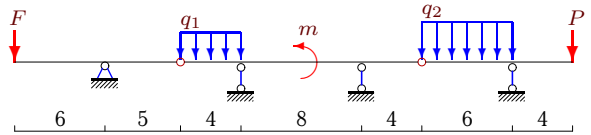
**Задача 29.25**



$m=2 \text{ кНм}, q_1=7 \frac{\text{кН}}{\text{м}}, q_2=9 \frac{\text{кН}}{\text{м}}, F=9 \text{ кН}, P=6 \text{ кН}$

29.3

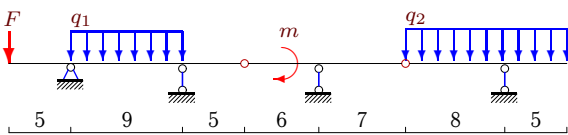
**Задача 29.26**



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

29.3

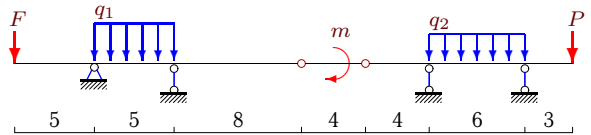
**Задача 29.27**



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

29.3

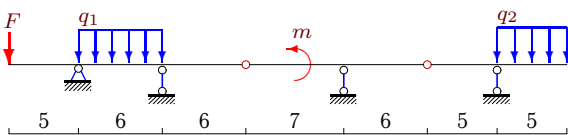
**Задача 29.28**



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

29.3

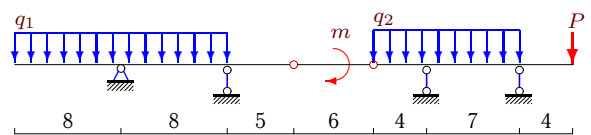
**Задача 29.29**



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

29.3

**Задача 29.30**



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

29.3

**Многопролетная балка**

	$R_1$	$R_2$	$R_3$	$R_4$
1	79.84	-17.07	82.65	96.57
2	27.11	-7.78	-0.58	15.25
3	92.16	113.24	59.35	1.25
4	56.28	31.72	11.25	32.75
5	76.2	49.3	11.42	26.08
6	72.7	66.92	-82.13	94.5
7	14.75	31.75	32.75	-1.25
8	46.66	-27.86	124.82	63.38
9	30.75	103.75	-81	73.5
10	48.89	-34.77	44.17	41.71
11	11.14	109.5	-28.6	104.95
12	145.21	-10.71	13	62.5
13	42.67	-21.05	-1.54	61.93
14	96.23	-63.06	123.97	35.86
15	12.93	102.57	30.7	40.8
16	96	-0.33	62.88	5.46
17	41.06	-11.56	17.5	25
18	42	197.6	-129.2	57.6
19	64.01	-29.43	108.98	98.44
20	30	-14.86	88	-19.14
21	92.58	90.67	0.75	108
22	112	-0.33	122	-7.67
23	-11.9	136.4	7.7	23.8
24	16.71	-42.43	110.71	56
25	20.6	8.73	38.17	34.5
26	11	5.96	30.38	38.67
27	51.06	-9.97	37.97	73.94
28	33.3	16.2	12.33	25.17
29	15.4	52.02	-38.43	60
30	96.83	-2.17	58.02	28.31