

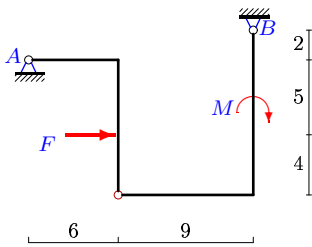
Простая составная конструкция

Определить реакции опор конструкции (в кН), состоящей из двух тел.

Кирсанов М.Н. Задачи по теоретической механике с решениями в Maple 11. – М.: ФИЗМАТЛИТ, 2010. – 264 с. (с.15)

Задача S-24.1.

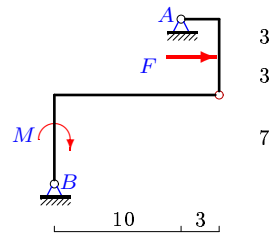
333



$$F = 6 \text{ кН}, M = 4 \text{ кНм.}$$

Задача S-24.2.

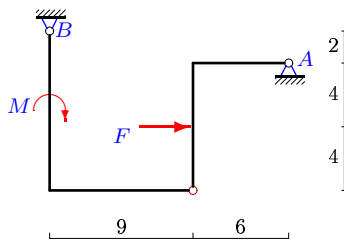
333



$$F = 8 \text{ кН}, M = 5 \text{ кНм.}$$

Задача S-24.3.

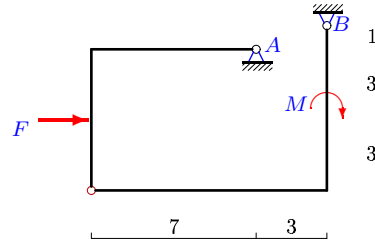
333



$$F = 14 \text{ кН}, M = 4 \text{ кНм.}$$

Задача S-24.4.

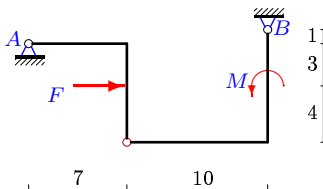
333



$$F = 3 \text{ кН}, M = 5 \text{ кНм.}$$

Задача S-24.5.

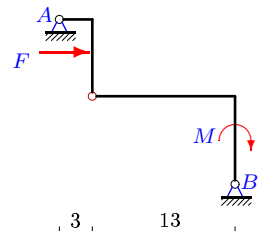
333



$$F = 14 \text{ кН}, M = 6 \text{ кНм.}$$

Задача S-24.6.

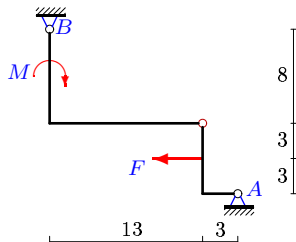
333



$$F = 10 \text{ кН}, M = 4 \text{ кНм.}$$

Задача S-24.7.

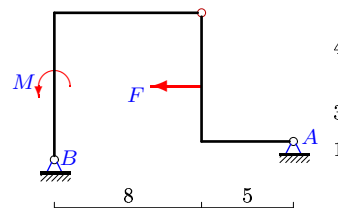
333



$$F = 1 \text{ кН}, M = 5 \text{ кНм.}$$

Задача S-24.8.

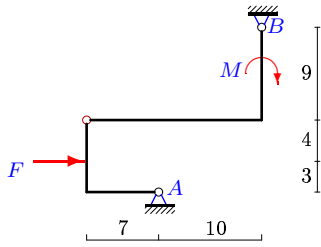
333



$$F = 5 \text{ кН}, M = 24 \text{ кНм.}$$

Задача S-24.9.

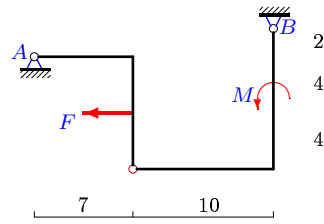
333



$F = 35 \text{ кН}, M = 5 \text{ кНм.}$

Задача S-24.10.

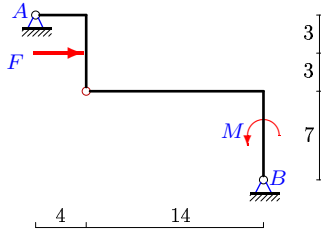
333



$F = 2 \text{ кН}, M = 10 \text{ кНм.}$

Задача S-24.11.

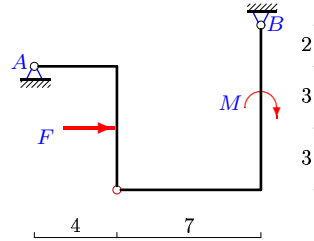
333



$F = 2 \text{ кН}, M = 7 \text{ кНм.}$

Задача S-24.12.

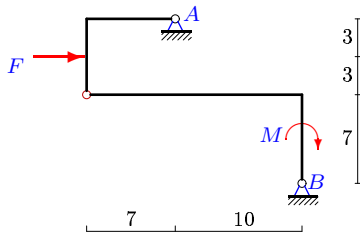
333



$F = 38 \text{ кН}, M = 4 \text{ кНм.}$

Задача S-24.13.

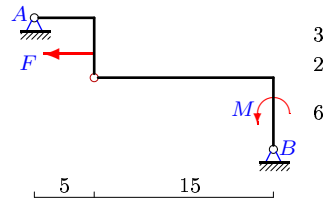
333



$F = 21 \text{ кН}, M = 2 \text{ кНм.}$

Задача S-24.14.

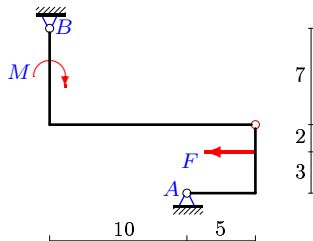
333



$F = 5 \text{ кН}, M = 9 \text{ кНм.}$

Задача S-24.15.

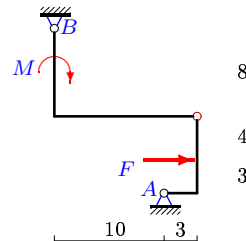
333



$F = 5 \text{ кН}, M = 1 \text{ кНм.}$

Задача S-24.16.

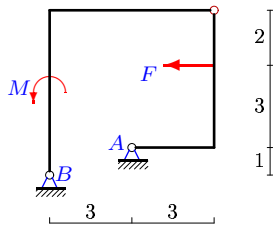
333



$F = 35 \text{ кН}, M = 5 \text{ кНм.}$

Задача S-24.17.

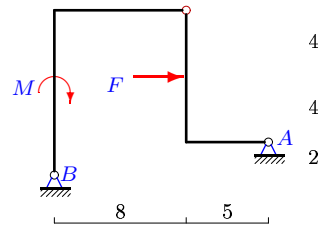
333



$F = 5 \text{ кН}, M = 6 \text{ кНм.}$

Задача S-24.18.

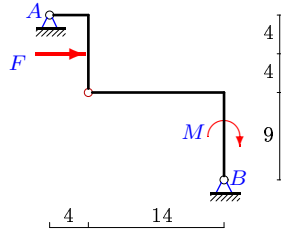
333



$F = 22 \text{ кН}, M = 4 \text{ кНм.}$

Задача S-24.19.

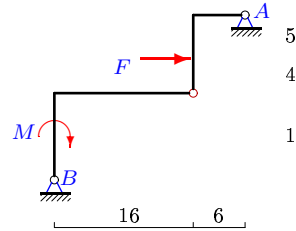
333



$F = 1 \text{ кН}, M = 5 \text{ кНм.}$

Задача S-24.20.

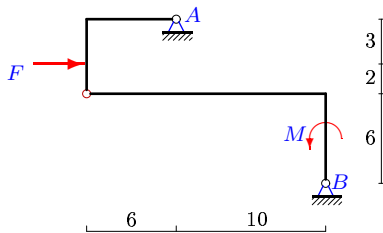
333



$F = 6 \text{ кН}, M = 4 \text{ кНм.}$

Задача S-24.21.

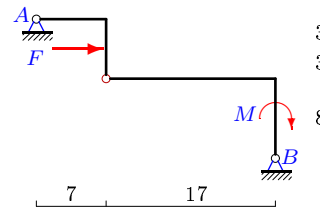
333



$F = 7 \text{ кН}, M = 2 \text{ кНм.}$

Задача S-24.22.

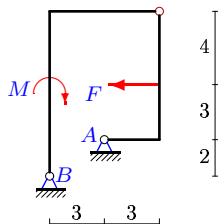
333



$F = 39 \text{ кН}, M = 5 \text{ кНм.}$

Задача S-24.23.

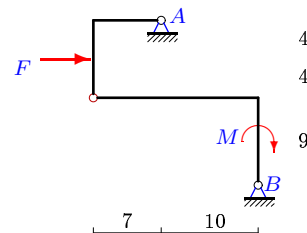
333



$F = 3 \text{ кН}, M = 3 \text{ кНм.}$

Задача S-24.24.

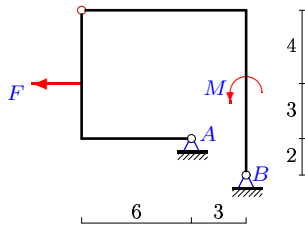
333



$F = 21 \text{ кН}, M = 5 \text{ кНм.}$

Задача S-24.25.

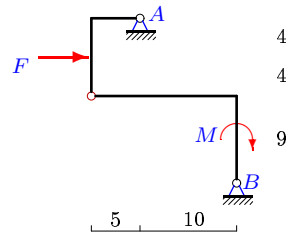
333



$F = 5 \text{ кН}, M = 9 \text{ кНм.}$

Задача S-24.26.

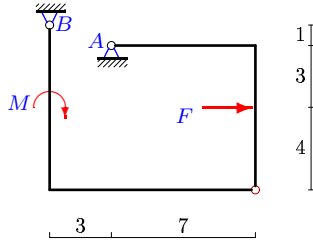
333



$F = 36 \text{ кН}, M = 3 \text{ кНм.}$

Задача S-24.27.

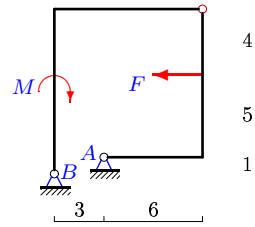
333



$F = 7 \text{ кН}, M = 4 \text{ кНм.}$

Задача S-24.28.

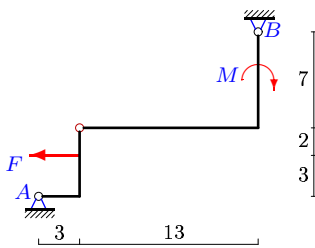
333



$F = 3 \text{ кН}, M = 5 \text{ кНм.}$

Задача S-24.29.

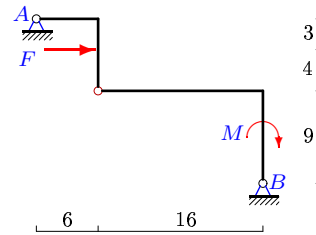
333



$F = 3 \text{ кН}, M = 5 \text{ кНм.}$

Задача S-24.30.

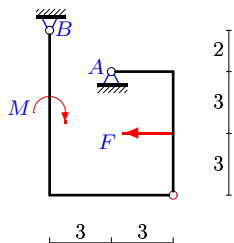
333



$F = 3 \text{ кН}, M = 5 \text{ кНм.}$

Задача S-24.31.

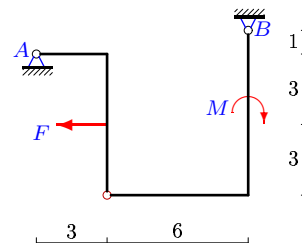
333



$F = 4 \text{ кН}, M = 4 \text{ кНм.}$

Задача S-24.32.

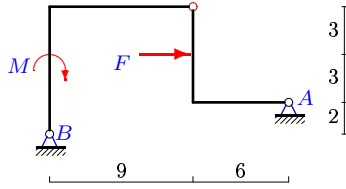
333



$F = 4 \text{ кН}, M = 5 \text{ кНм.}$

Задача S-24.33.

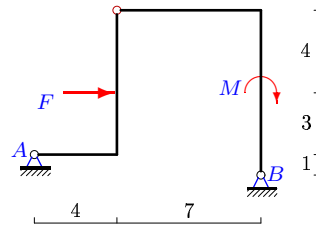
333



$F = 20 \text{ кН}, M = 5 \text{ кНм}.$

Задача S-24.34.

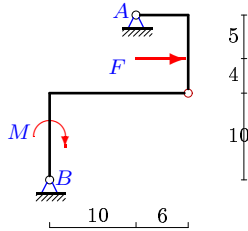
333



$F = 16 \text{ кН}, M = 3 \text{ кНм}.$

Задача S-24.35.

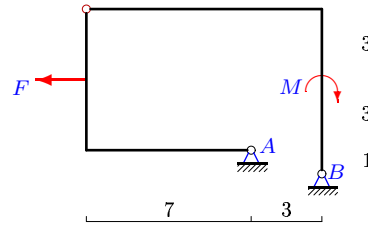
333



$F = 36 \text{ кН}, M = 4 \text{ кНм}.$

Задача S-24.36.

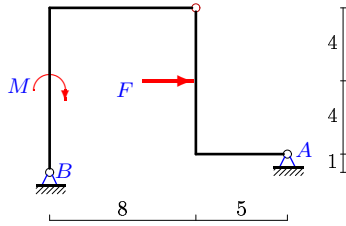
333



$F = 3 \text{ кН}, M = 5 \text{ кНм}.$

Задача S-24.37.

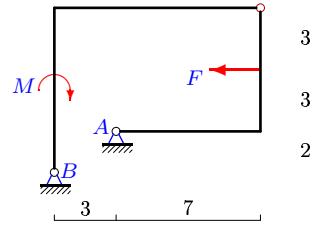
333



$F = 11 \text{ кН}, M = 5 \text{ кНм}.$

Задача S-24.38.

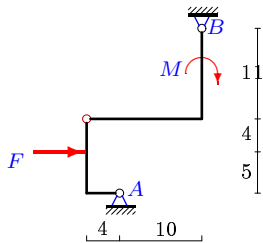
333



$F = 4 \text{ кН}, M = 4 \text{ кНм}.$

Задача S-24.39.

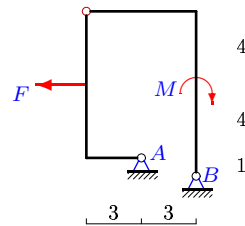
333



$F = 7 \text{ кН}, M = 5 \text{ кНм}.$

Задача S-24.40.

333



$F = 3 \text{ кН}, M = 3 \text{ кНм}.$

S-24

Ответы.
Простая составная конструкция

13-Dec-17

№	X_A	Y_A	X_B	Y_B	Y_C	M_B	Y_D
1	-4	2	-2	-2	-	-	-
2	-5	2	-3	-2	-	-	-
3	-10	-4	-4	4	-	-	-
4	2	3	-5	-3	-	-	-
5	-11	3	-3	-3	-	-	-
6	-4	-4	-6	4	-	-	-
7	0	1	1	-1	-	-	-
8	5	-3	0	3	-	-	-
9	-25	5	-10	-5	-	-	-
10	1	0	1	0	-	-	-
11	-1	0	-1	0	-	-	-
12	-27	12	-11	-12	-	-	-
13	-14	-3	-7	3	-	-	-
14	-1	3	6	-3	-	-	-
15	3	1	2	-1	-	-	-
16	-23	-7	-12	7	-	-	-
17	-4	-10	9	10	-	-	-
18	-16	8	-6	-8	-	-	-
19	0	-1	-1	1	-	-	-
20	0	4	-6	-4	-	-	-
21	-4	-1	-3	1	-	-	-
22	5	-21	-44	21	-	-	-
23	0	-4	3	4	-	-	-
24	-14	-4	-7	4	-	-	-
25	-16	22	21	-22	-	-	-
26	-23	-8	-13	8	-	-	-
27	6	-10	-13	10	-	-	-
28	-2	-5	5	5	-	-	-
29	0	-2	3	2	-	-	-
30	0	-2	-3	2	-	-	-
31	-3	10	7	-10	-	-	-
32	3	-2	1	2	-	-	-
33	-15	5	-5	-5	-	-	-
34	-12	-5	-4	5	-	-	-
35	-22	9	-14	-9	-	-	-
36	-2	3	5	-3	-	-	-
37	-8	4	-3	-4	-	-	-
38	-19	-18	23	18	-	-	-
39	-4	2	-3	-2	-	-	-
40	0	4	3	-4	-	-	-