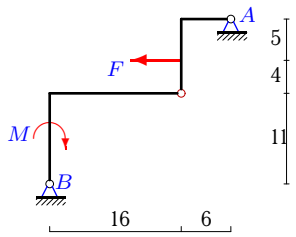
Простая составная конструкция

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

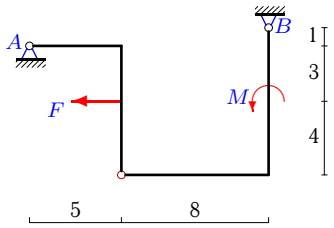
Кирсанов М.Н. Задачи по теоретической механике с решениями в **Maple** 11. – М.: ФИЗМАТЛИТ, 2010. — 264 с. (с.15)

Задача S-24.1.



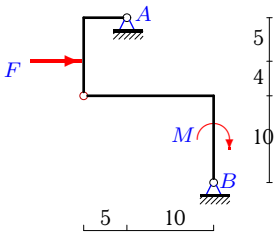
$F = 3$ кН, $M = 1$ кНм.

Задача S-24.2.



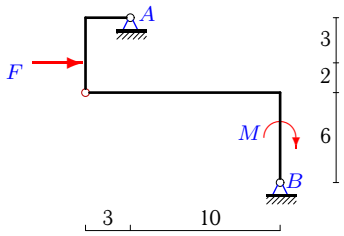
$F = 3$ кН, $M = 24$ кНм.

Задача S-24.3.



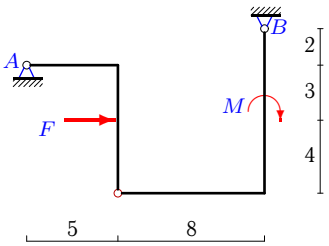
$F = 25$ кН, $M = 5$ кНм.

Задача S-24.4.



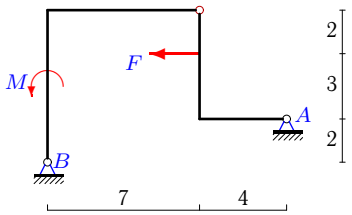
$F = 13$ кН, $M = 3$ кНм.

Задача S-24.5.



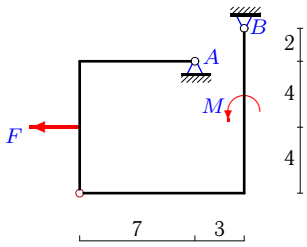
$F = 20$ кН, $M = 5$ кНм.

Задача S-24.6.



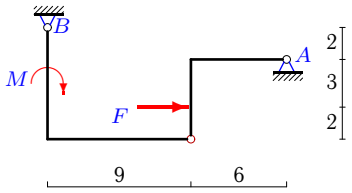
$F = 4$ кН, $M = 21$ кНм.

Задача S-24.7.



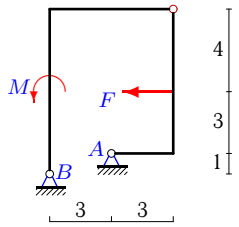
$F = 5$ кН, $M = 10$ кНм.

Задача S-24.8.



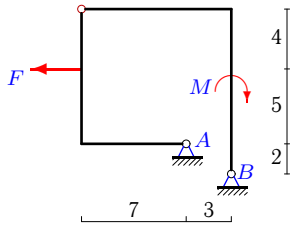
$F = 9$ кН, $M = 3$ кНм.

Задача S-24.9.



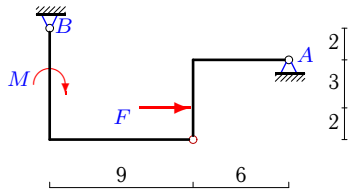
$F = 5$ кН, $M = 6$ кНм.

Задача S-24.10.



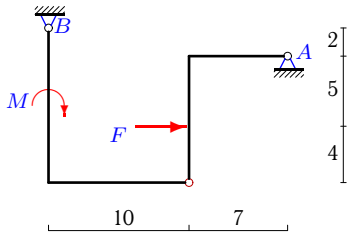
$F = 2$ кН, $M = 5$ кНм.

Задача S-24.11.



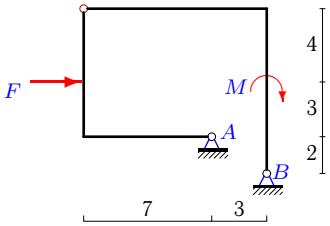
$F = 9$ кН, $M = 3$ кНм.

Задача S-24.12.



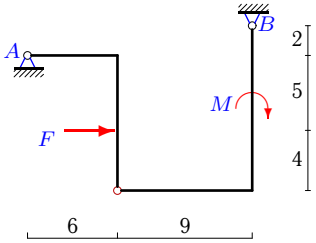
$F = 16$ кН, $M = 5$ кНм.

Задача S-24.13.



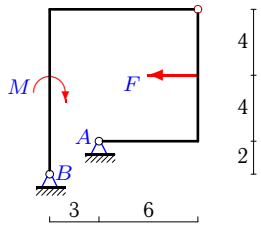
$F = 7$ кН, $M = 5$ кНм.

Задача S-24.14.



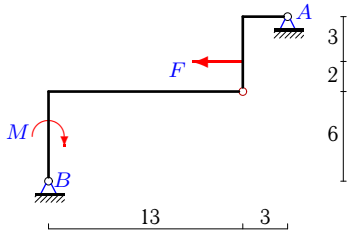
$F = 6$ кН, $M = 4$ кНм.

Задача S-24.15.



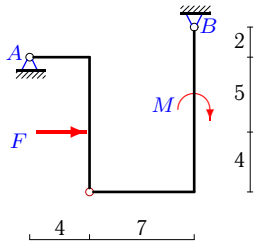
$F = 5$ кН, $M = 4$ кНм.

Задача S-24.16.



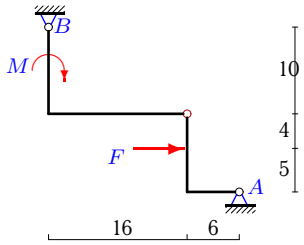
$F = 4$ кН, $M = 5$ кНм.

Задача S-24.17. //



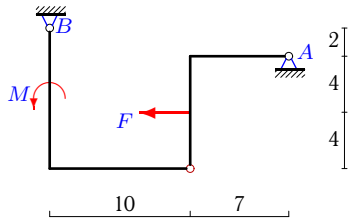
$F = 30$ кН, $M = 5$ кНм.

Задача S-24.18. //



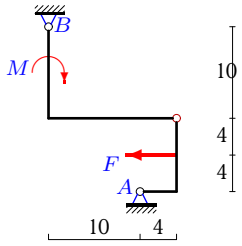
$F = 36$ кН, $M = 4$ кНм.

Задача S-24.19. //



$F = 2$ кН, $M = 10$ кНм.

Задача S-24.20. //



$F = 3$ кН, $M = 4$ кНм.

Ответы.

Простая составная конструкция 05.12.2013

№	X_A	Y_A	X_B	Y_B	Y_C	M_B	Y_D
1	0	-2	3	2	–	–	–
2	1	1	2	-1	–	–	–
3	-15	-7	-10	7	–	–	–
4	-7	-3	-6	3	–	–	–
5	-15	5	-5	-5	–	–	–
6	4	-3	0	3	–	–	–
7	-8	-12	13	12	–	–	–
8	-6	-2	-3	2	–	–	–
9	-1	-9	6	9	–	–	–
10	-3	5	5	-5	–	–	–
11	-6	-2	-3	2	–	–	–
12	-11	-5	-5	5	–	–	–
13	28	-32	-35	32	–	–	–
14	-4	2	-2	-2	–	–	–
15	-8	-14	13	14	–	–	–
16	1	-1	3	1	–	–	–
17	-20	15	-10	-15	–	–	–
18	-2	-21	-34	21	–	–	–
19	1	0	1	0	–	–	–
20	2	1	1	-1	–	–	–

S-24 файл o24s11A