

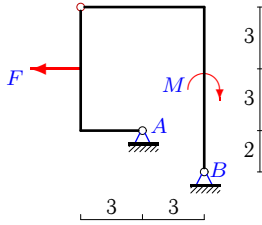
## Простая составная конструкция

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.**

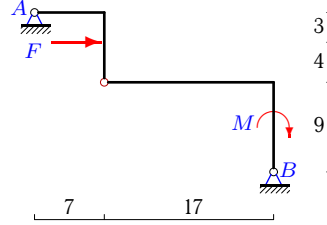
13



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

**Задача S-24.2.**

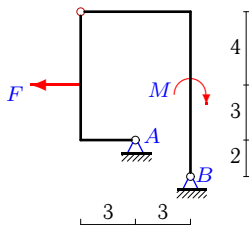
13



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

**Задача S-24.3.**

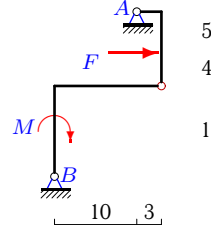
13



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

**Задача S-24.4.**

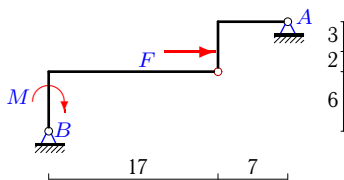
13



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

**Задача S-24.5.**

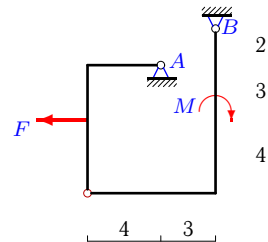
13



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

**Задача S-24.6.**

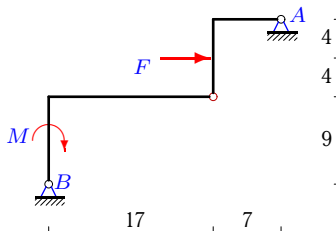
13



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

**Задача S-24.7.**

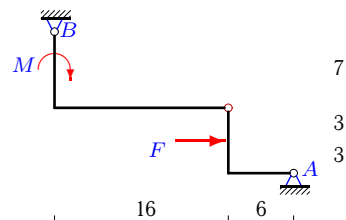
13



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

**Задача S-24.8.**

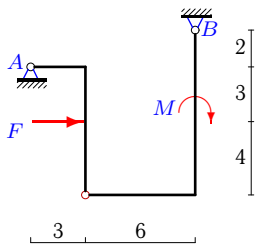
13



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

**Задача S-24.9.**

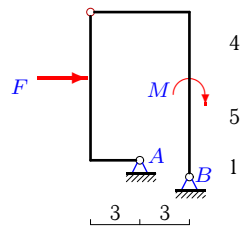
13



$F = 11 \text{ кН}, M = 3 \text{ кНм.}$

**Задача S-24.10.**

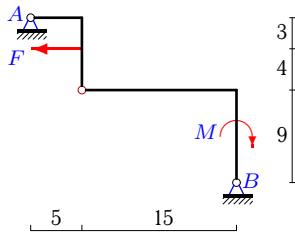
13



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

**Задача S-24.11.**

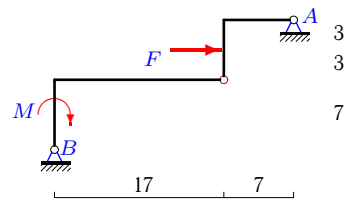
13



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

**Задача S-24.12.**

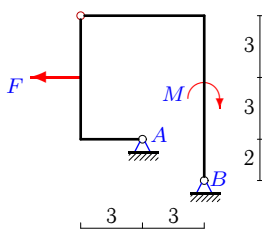
13



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

**Задача S-24.13.**

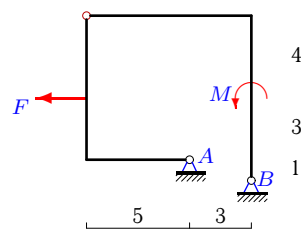
13



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

**Задача S-24.14.**

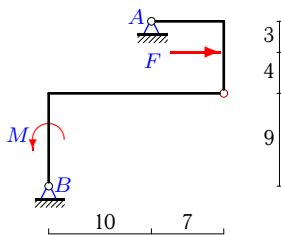
13



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

**Задача S-24.15.**

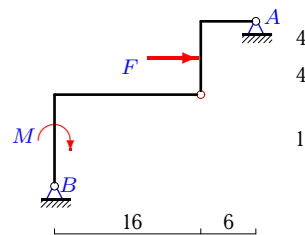
13



$F = 7 \text{ кН}, M = 1 \text{ кНм.}$

**Задача S-24.16.**

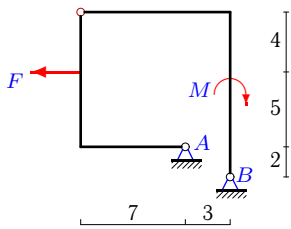
13



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

**Задача S-24.17.**

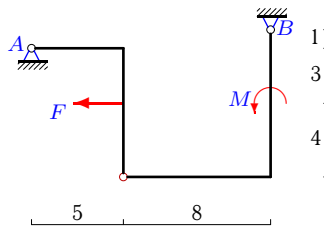
13



$F = 2 \text{ кН}, M = 5 \text{ кНм.}$

**Задача S-24.18.**

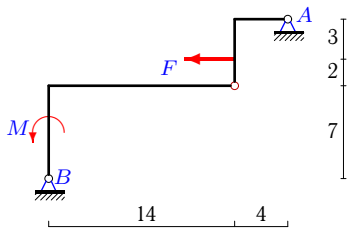
13



$F = 3 \text{ кН}, M = 24 \text{ кНм.}$

**Задача S-24.19.**

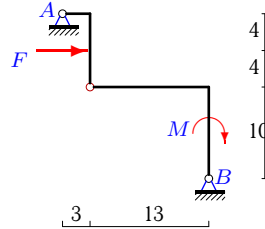
13



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

**Задача S-24.20.**

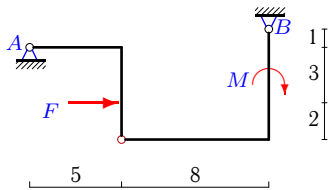
13



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

**Задача S-24.21.**

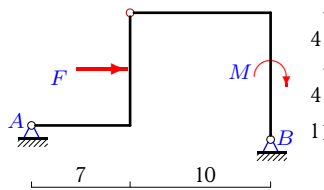
13



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

**Задача S-24.22.**

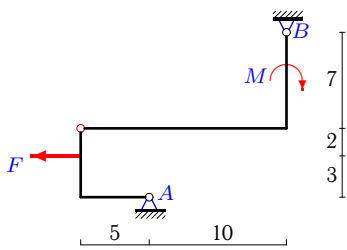
13



$F = 15 \text{ кН}, M = 4 \text{ кНм.}$

**Задача S-24.23.**

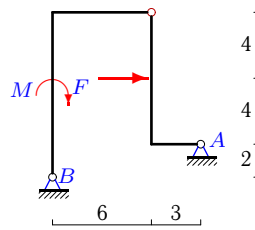
13



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

**Задача S-24.24.**

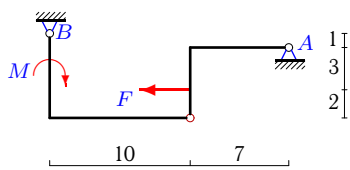
13



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

**Задача S-24.25.**

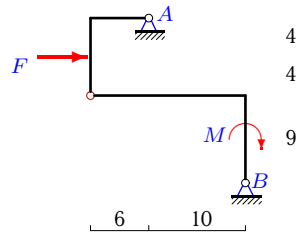
13



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

**Задача S-24.26.**

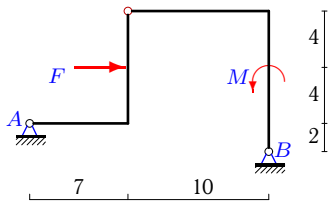
13



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

**Задача S-24.27.**

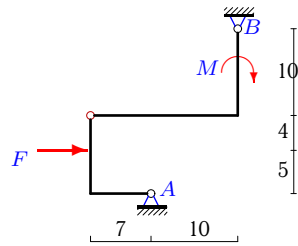
13



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

**Задача S-24.28.**

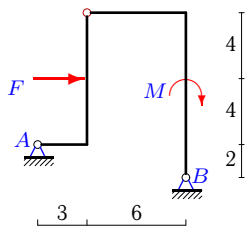
13



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

**Задача S-24.29.**

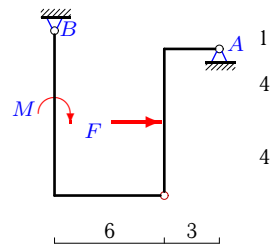
13



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

**Задача S-24.30.**

13



$F = 9 \text{ кН}, M = 3 \text{ кНм.}$

**S-24 Ответы.****Простая составная конструкция**

12.05.2013

№	$X_A$	$Y_A$	$X_B$	$Y_B$	$Y_C$	$M_B$	$Y_D$
1	-1	6	5	-6	-	-	-
2	0	-4	-7	4	-	-	-
3	0	4	3	-4	-	-	-
4	-12	8	-9	-8	-	-	-
5	1	1	-2	-1	-	-	-
6	-4	-11	8	11	-	-	-
7	0	4	-7	-4	-	-	-
8	-1	-1	-3	1	-	-	-
9	-8	4	-3	-4	-	-	-
10	2	-14	-8	14	-	-	-
11	1	1	2	-1	-	-	-
12	0	6	-14	-6	-	-	-
13	-1	6	5	-6	-	-	-
14	-5	11	10	-11	-	-	-
15	-5	1	-2	-1	-	-	-
16	0	4	-6	-4	-	-	-
17	-3	5	5	-5	-	-	-
18	1	1	2	-1	-	-	-
19	-2	-5	7	5	-	-	-
20	-4	-8	-10	8	-	-	-
21	-3	1	-2	-1	-	-	-
22	-11	-4	-4	4	-	-	-
23	3	-1	2	1	-	-	-
24	-5	4	-2	-4	-	-	-
25	3	1	1	-1	-	-	-
26	-6	-2	-3	2	-	-	-
27	-1	0	-1	0	-	-	-
28	-3	1	-2	-1	-	-	-
29	-5	-4	-2	4	-	-	-
30	-6	-4	-3	4	-	-	-

S-24 файл о24s13A