

## Простая составная конструкция

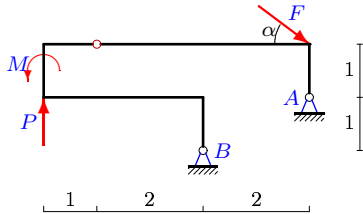
Определить реакции опор конструкции (в кН), состоящей из двух тел.

Кирсанов М.Н. Задачи по теоретической механике с решениями в Maple 11. – М.:

ФИЗМАТЛИТ, 2010. – 264 с. (с.15)

**Задача S-24.1.**

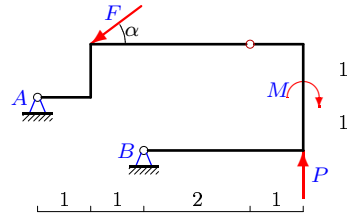
281



$$P = 12 \text{ кН}, F = 15 \text{ кН}, M = 12 \text{ кНм}, \cos \alpha = 0,8.$$

**Задача S-24.2.**

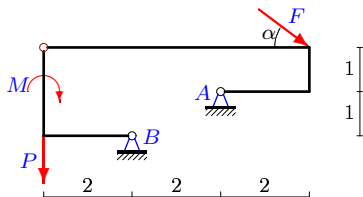
281



$$P = 6 \text{ кН}, F = 15 \text{ кН}, M = 12 \text{ кНм}, \cos \alpha = 0,8.$$

**Задача S-24.3.**

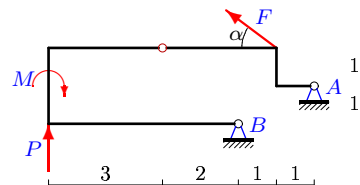
281



$$P = 6 \text{ кН}, F = 15 \text{ кН}, M = 12 \text{ кНм}, \cos \alpha = 0,8.$$

**Задача S-24.4.**

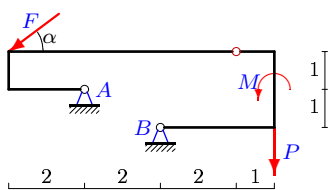
281



$$P = 12 \text{ кН}, F = 15 \text{ кН}, M = 12 \text{ кНм}, \cos \alpha = 0,8.$$

**Задача S-24.5.**

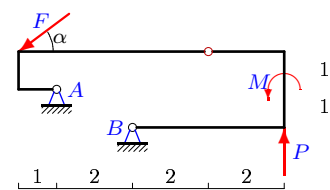
281



$$P = 4 \text{ кН}, F = 5 \text{ кН}, M = 4 \text{ кНм}, \cos \alpha = 0,8.$$

**Задача S-24.6.**

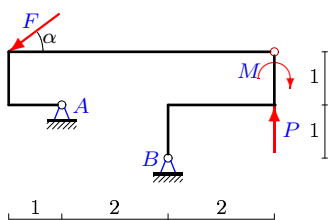
281



$$P = 2 \text{ кН}, F = 5 \text{ кН}, M = 2 \text{ кНм}, \cos \alpha = 0,8.$$

**Задача S-24.7.**

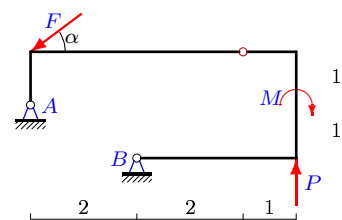
281



$$P = 6 \text{ кН}, F = 15 \text{ кН}, M = 12 \text{ кНм}, \cos \alpha = 0,8.$$

**Задача S-24.8.**

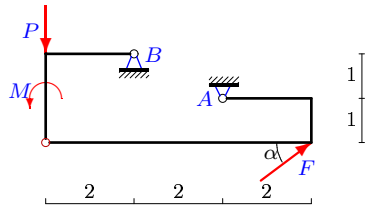
281



$$P = 2 \text{ кН}, F = 10 \text{ кН}, M = 4 \text{ кНм}, \cos \alpha = 0,8.$$

Задача S-24.9.

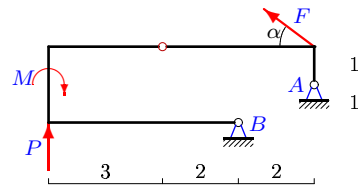
281



$P = 4 \text{ кН}, F = 5 \text{ кН}, M = 2 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.10.

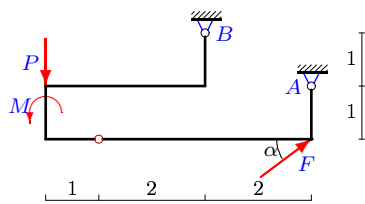
281



$P = 12 \text{ кН}, F = 15 \text{ кН}, M = 6 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.11.

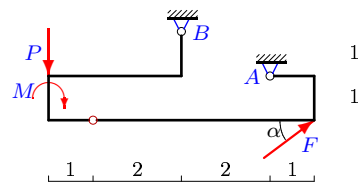
281



$P = 2 \text{ кН}, F = 5 \text{ кН}, M = 4 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.12.

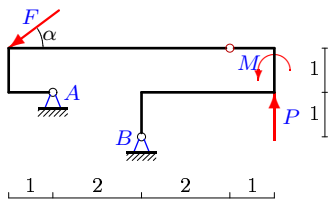
281



$P = 2 \text{ кН}, F = 10 \text{ кН}, M = 4 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.13.

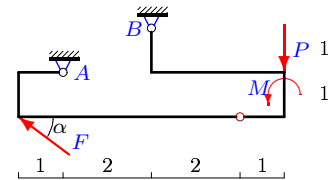
281



$P = 1 \text{ кН}, F = 5 \text{ кН}, M = 1 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.14.

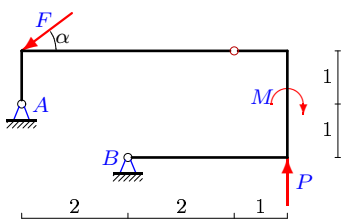
281



$P = 3 \text{ кН}, F = 15 \text{ кН}, M = 3 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.15.

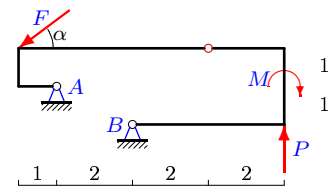
281



$P = 6 \text{ кН}, F = 15 \text{ кН}, M = 12 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.16.

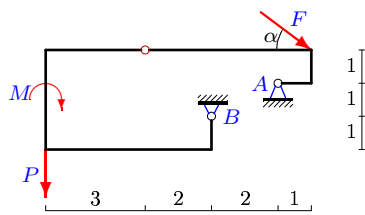
281



$P = 3 \text{ кН}, F = 15 \text{ кН}, M = 6 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.17.

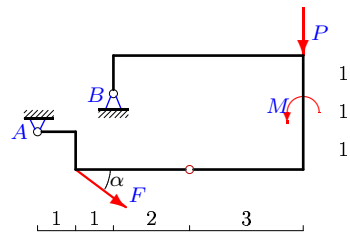
281



$P = 6 \text{ кН}, F = 30 \text{ кН}, M = 12 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.18.

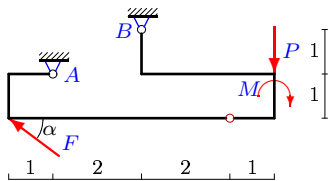
281



$P = 6 \text{ кН}, F = 30 \text{ кН}, M = 12 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.19.

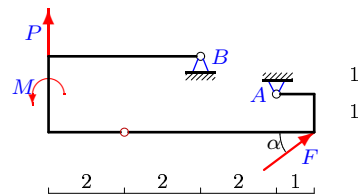
281



$P = 4 \text{ кН}, F = 5 \text{ кН}, M = 4 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.20.

281



$P = 6 \text{ кН}, F = 15 \text{ кН}, M = 6 \text{ кНм}, \cos \alpha = 0,8.$

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Ответы.

Простая составная конструкция

13-Mar-20

№	$X_A$	$Y_A$	$X_B$	$Y_B$	$Y_C$	$M_B$	$Y_D$
1	-32	17	20	-20	-	-	-
2	17	11	-5	-8	-	-	-
3	-22	19	10	-4	-	-	-
4	-35	2	47	-23	-	-	-
5	2	5	2	2	-	-	-
6	13	7	-9	-6	-	-	-
7	19	16	-7	-13	-	-	-
8	12	9	-4	-5	-	-	-
9	-14	-8	10	9	-	-	-
10	-28	-2	40	-19	-	-	-
11	-12	-6	8	5	-	-	-
12	-14	-11	6	7	-	-	-
13	9	6	-5	-4	-	-	-
14	23	-17	-11	11	-	-	-
15	20	14	-8	-11	-	-	-
16	23	17	-11	-11	-	-	-
17	-26	29	2	-5	-	-	-
18	-14	17	-10	7	-	-	-
19	17	-8	-13	9	-	-	-
20	-7	-13	-5	-2	-	-	-

*S-24* файл 24s281-AnsF