

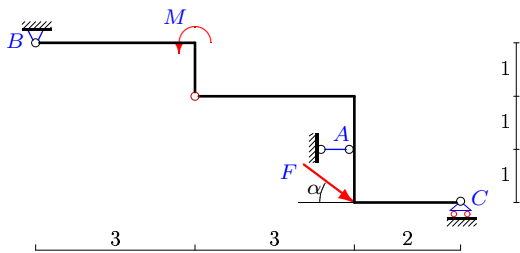
Простая составная конструкция

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

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

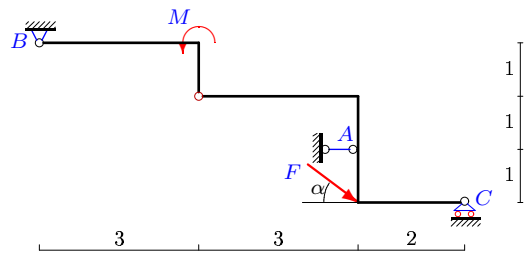
ФИЗМАТЛИТ, 2010. – 264 с. (с.15)

Задача S-24.1.



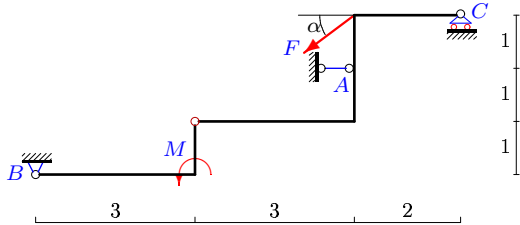
$$F = 5 \text{ кН}, M = 12 \text{ кНм}, \cos \alpha = 0,8.$$

Задача S-24.2.



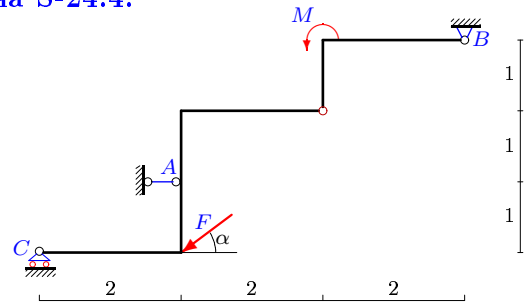
$$F = 5 \text{ кН}, M = 6 \text{ кНм}, \cos \alpha = 0,8.$$

Задача S-24.3.



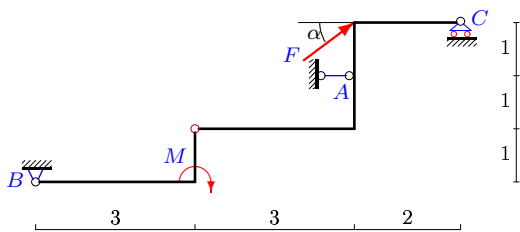
$$F = 5 \text{ кН}, \cos \alpha = 0,8.$$

Задача S-24.4.



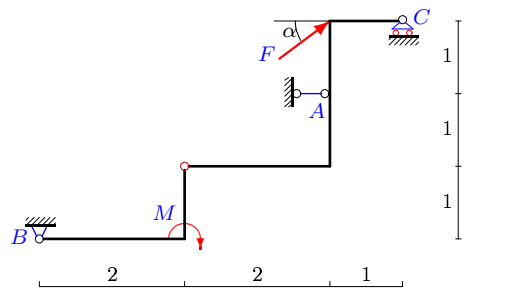
$$F = 5 \text{ кН}, \cos \alpha = 0,8.$$

Задача S-24.5.



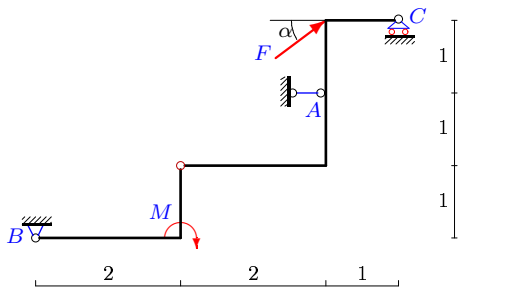
$$F = 5 \text{ кН}, M = 6 \text{ кНм}, \cos \alpha = 0,8.$$

Задача S-24.6.



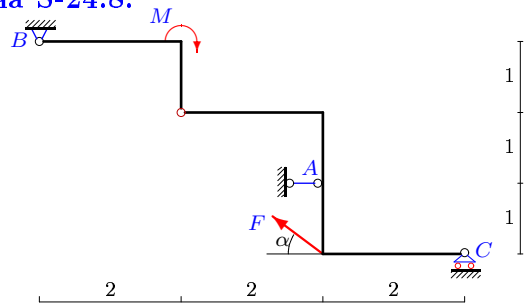
$$F = 5 \text{ кН}, M = 3 \text{ кНм}, \cos \alpha = 0,8.$$

Задача S-24.7.



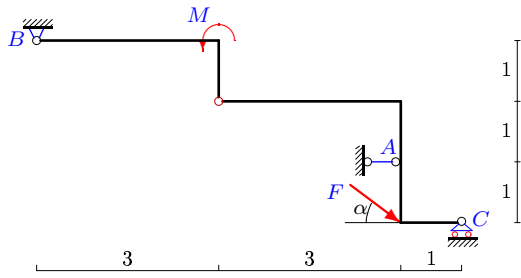
$$F = 5 \text{ кН}, M = 2 \text{ кНм}, \cos \alpha = 0,8.$$

Задача S-24.8.



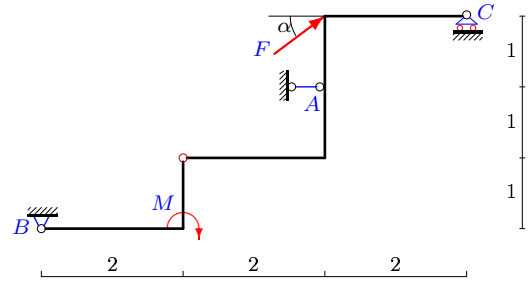
$$F = 5 \text{ кН}, M = 8 \text{ кНм}, \cos \alpha = 0,8.$$

Задача S-24.9.



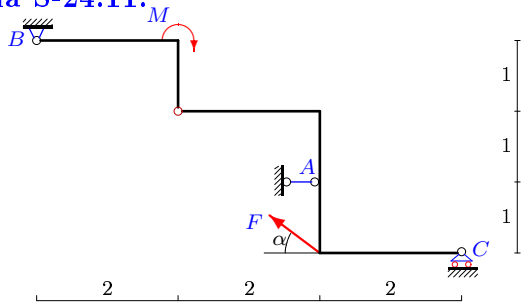
$F = 5 \text{ кН}, M = 5 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.10.



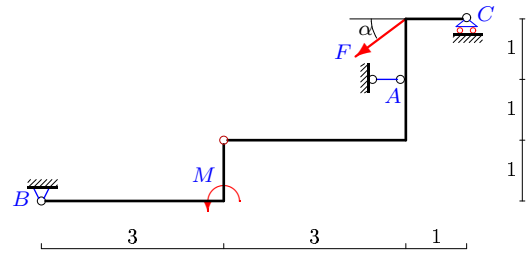
$F = 10 \text{ кН}, M = 6 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.11.



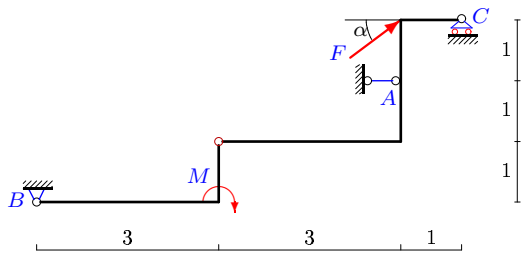
$F = 5 \text{ кН}, M = 8 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.12.



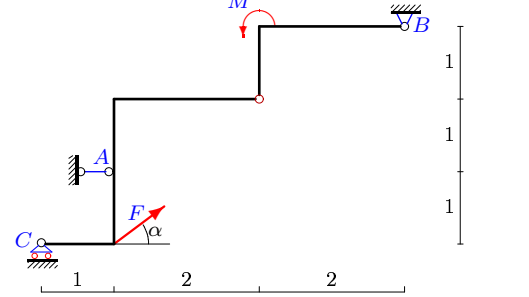
$F = 5 \text{ кН}, \cos \alpha = 0,8.$

Задача S-24.13.



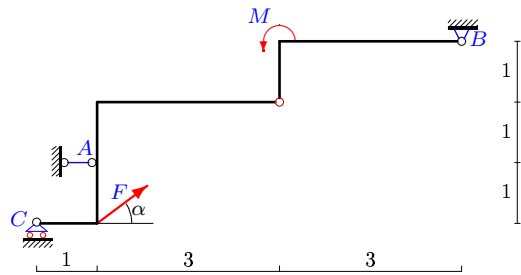
$F = 5 \text{ кН}, M = 5 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.14.



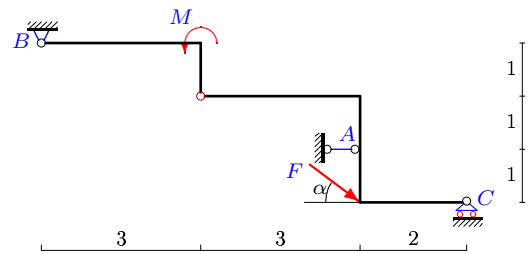
$F = 5 \text{ кН}, M = 5 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.15.



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

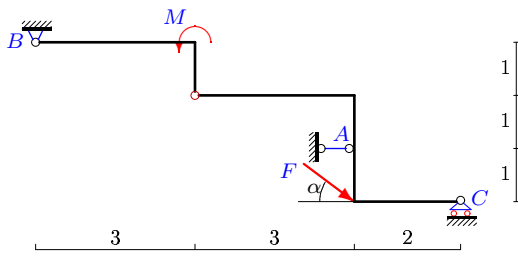
Задача S-24.16.



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

Задача S-24.17.

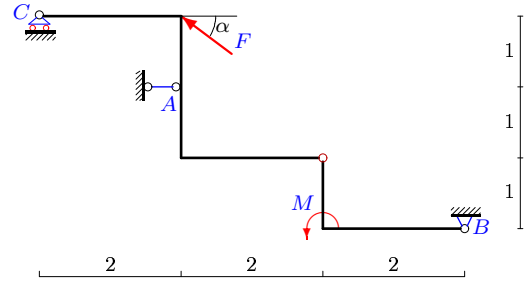
1



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

Задача S-24.18.

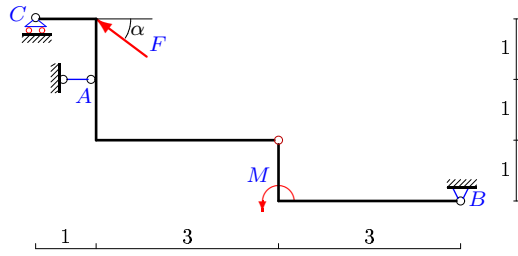
1



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

Задача S-24.19.

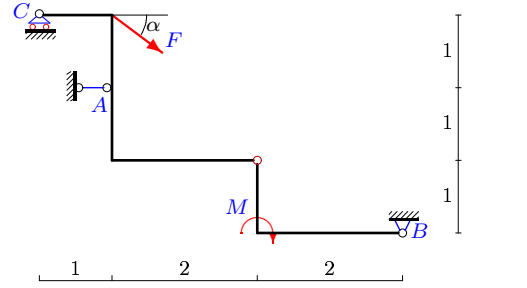
1



$F = 5 \text{ кН}, M = 6 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.20.

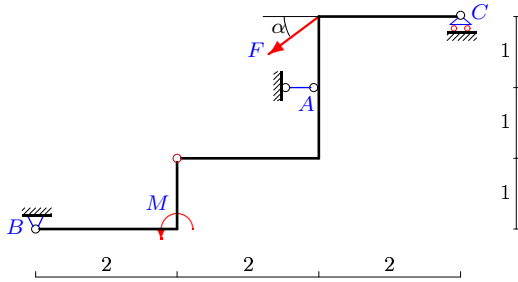
1



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

Задача S-24.21.

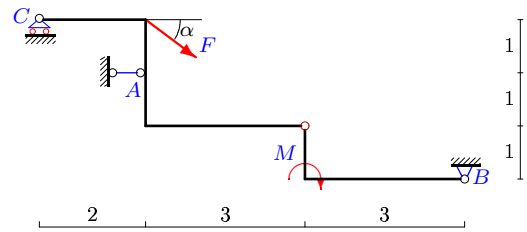
1



$F = 5 \text{ кН}, M = 6 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.22.

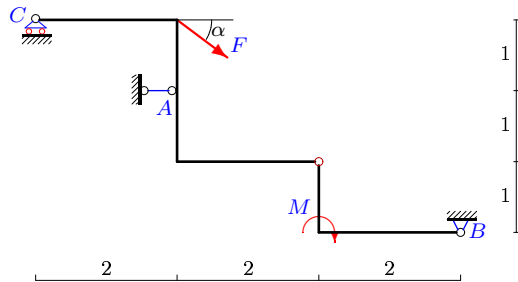
1



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

Задача S-24.23.

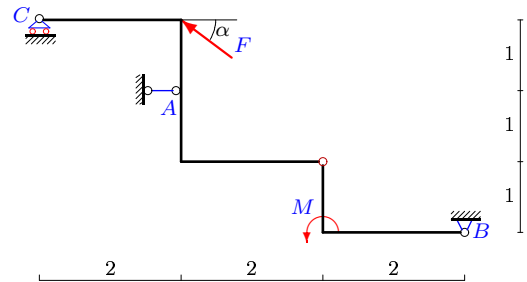
1



$F = 5 \text{ кН}, M = 6 \text{ кНм}, \cos \alpha = 0,8.$

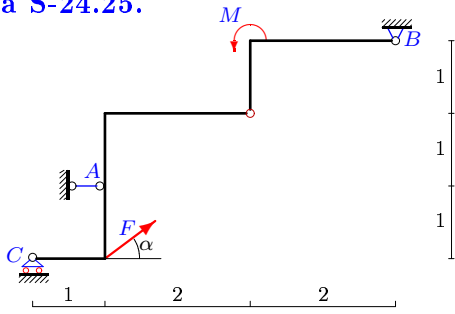
Задача S-24.24.

1



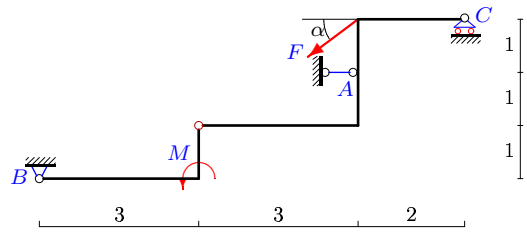
$F = 5 \text{ кН}, \cos \alpha = 0,8.$

Задача S-24.25.



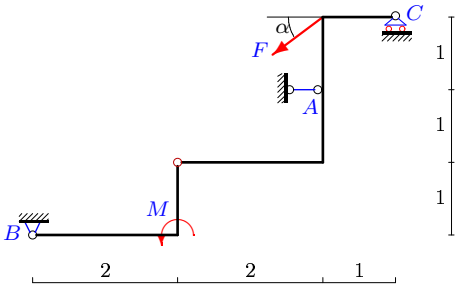
$F = 5 \text{ кН}, M = 5 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.26.



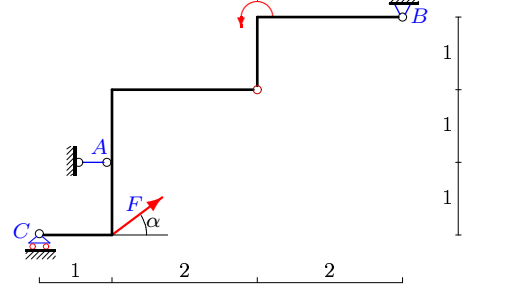
$F = 5 \text{ кН}, M = 2 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.27.



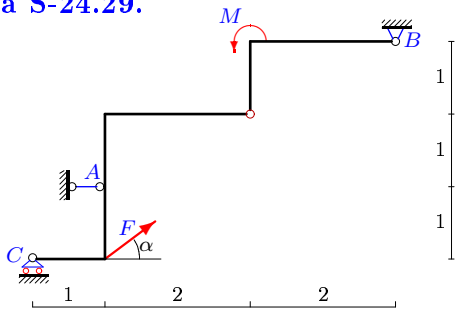
$F = 10 \text{ кН}, M = 9 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.28.



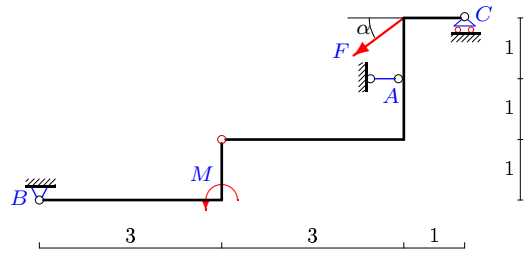
$F = 10 \text{ кН}, M = 9 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.29.



$F = 10 \text{ кН}, M = 9 \text{ кНм}, \cos \alpha = 0,8.$

Задача S-24.30.



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

S-24

Ответы.
Простая составная конструкция

01.12.2014

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

S-24 файл о24s1B