

Простая составная конструкция

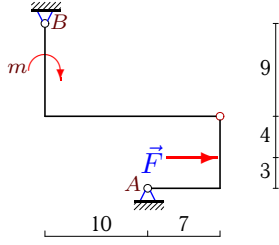
(контрольная работа 24.10.07)

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

Кирсанов М.Н. **Решебник. Теоретическая механика**/Под ред. А. И. Кириллова.– М.:ФИЗМАТЛИТ, 2002.– 384 с. (с.67.)

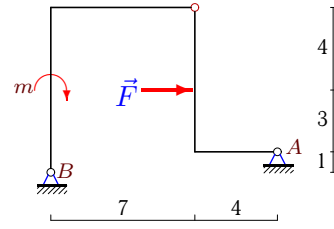
Задача 24.1.

$F = 35$ кН,
 $m = 5$ кНм.



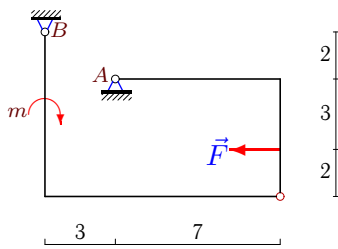
Задача 24.2.

$F = 16$ кН,
 $m = 3$ кНм.



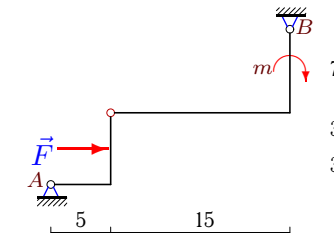
Задача 24.3.

$F = 4$ кН,
 $m = 5$ кНм.



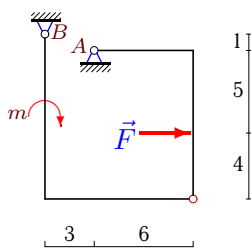
Задача 24.4.

$F = 25$ кН,
 $m = 5$ кНм.



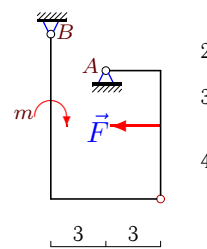
Задача 24.5.

$F = 3$ кН,
 $m = 5$ кНм.



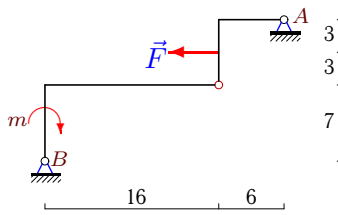
Задача 24.6.

$F = 2$ кН,
 $m = 3$ кНм.



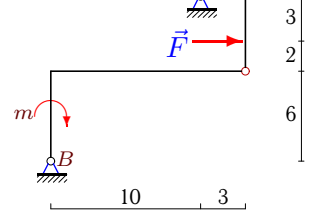
Задача 24.7.

$F = 4$ кН,
 $m = 5$ кНм.



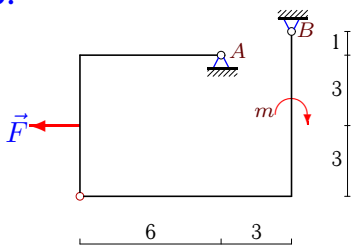
Задача 24.8.

$F = 13$ кН,
 $m = 3$ кНм.



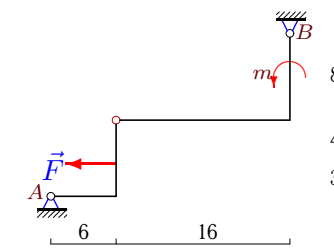
Задача 24.9.

$F = 2$ кН,
 $m = 5$ кНм.



Задача 24.10.

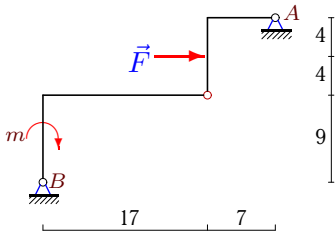
$F = 5$ кН,
 $m = 8$ кНм.



Задача 24.11.

III

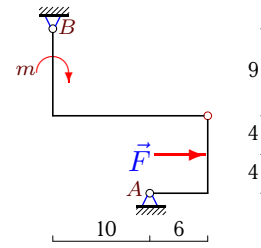
$F = 7 \text{ кН},$
 $m = 5 \text{ кНм}.$



Задача 24.12.

III

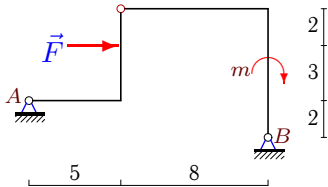
$F = 11 \text{ кН},$
 $m = 4 \text{ кНм}.$



Задача 24.13.

III

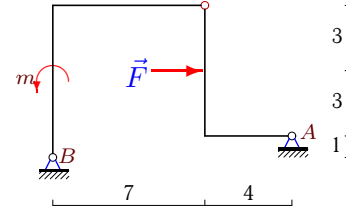
$F = 10 \text{ кН},$
 $m = 3 \text{ кНм}.$



Задача 24.14.

III

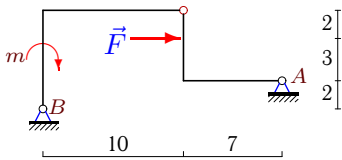
$F = 2 \text{ кН},$
 $m = 7 \text{ кНм}.$



Задача 24.15.

III

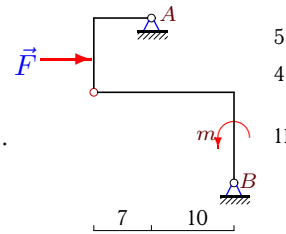
$F = 4 \text{ кН},$
 $m = 3 \text{ кНм}.$



Задача 24.16.

III

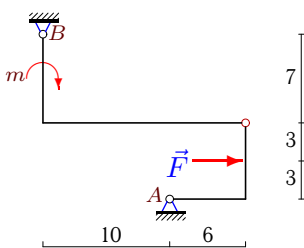
$F = 5 \text{ кН},$
 $m = 5 \text{ кНм}.$



Задача 24.17.

III

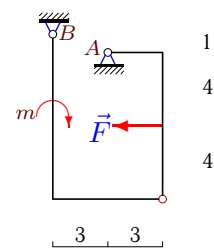
$F = 8 \text{ кН},$
 $m = 5 \text{ кНм}.$



Задача 24.18.

III

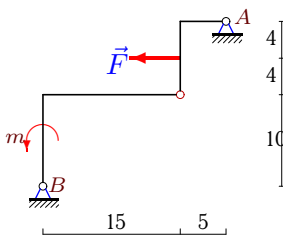
$F = 4 \text{ кН},$
 $m = 3 \text{ кНм}.$



Задача 24.19.

III

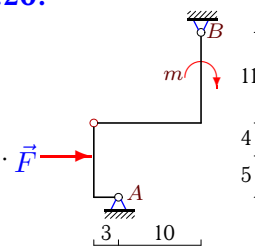
$F = 5 \text{ кН},$
 $m = 10 \text{ кНм}.$



Задача 24.20.

III

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



Простая составная конструкция

	X_A	Y_A	X_B	Y_B
1	-25	-5	-10	5
2	-12	5	-4	-5
3	-151	109	155	-109
4	-5	9	-20	-9
5	2	-5	-5	5
6	-1	5	3	-5
7	1	-1	3	1
8	-7	3	-6	-3
9	-5	-6	7	6
10	2	-1	3	1
11	0	4	-7	-4
12	-7	-2	-4	2
13	-7	-3	-3	3
14	-1	0	-1	0
15	-3	1	-1	-1
16	-3	-1	-2	1
17	-5	-1	-3	1
18	-1	8	5	-8
19	0	-4	5	4
20	-5	3	-4	-3