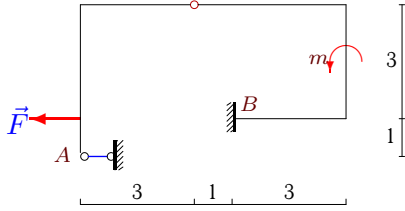


## Простая составная конструкция

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

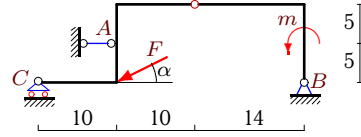
Кирсанов М.Н. **Решebник. Теоретическая механика**/Под ред. А. И. Кириллова.– М.:ФИЗМАТЛИТ, 2008.– 384 с. (с.67.)

**Задача 24.1.**



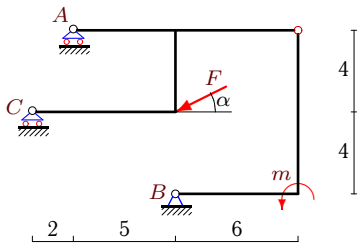
$F = 8 \text{ кН}, m = 5 \text{ кНм}.$

**Задача 24.2.**



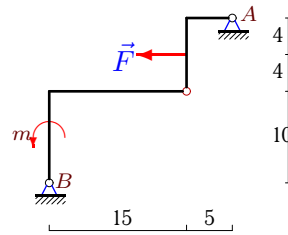
$F = 15 \text{ кН}, m = 30 \text{ кНм}, \cos \alpha = 0.8.$

**Задача 24.3.**



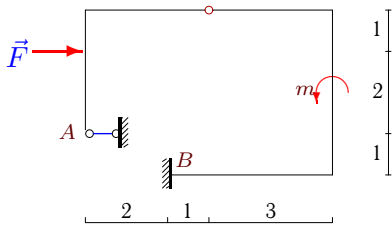
$F = 5 \text{ кН}, m = 10 \text{ кНм}, \cos \alpha = 0.8.$

**Задача 24.4.**



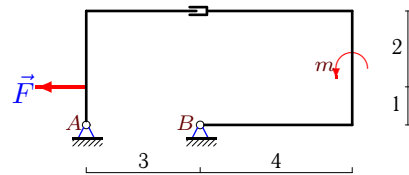
$F = 5 \text{ кН}, m = 10 \text{ кНм}.$

**Задача 24.5.**



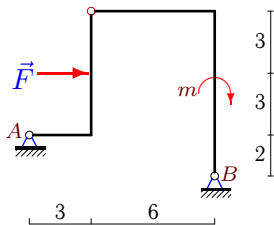
$F = 3 \text{ кН}, m = 5 \text{ кНм}.$

**Задача 24.6.**



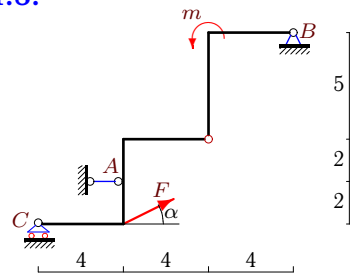
$F = 2 \text{ кН}, m = 1 \text{ кНм}.$

**Задача 24.7.**



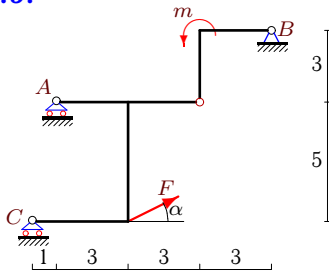
$F = 4 \text{ кН}, m = 4 \text{ кНм}.$

**Задача 24.8.**



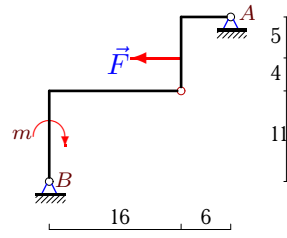
$F = 10 \text{ кН}, m = 20 \text{ кНм}, \cos \alpha = 0.8.$

**Задача 24.9.**



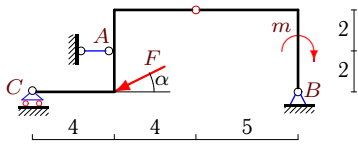
$F = 15 \text{ кН}, m = 15 \text{ кНМ}, \cos \alpha = 0.8.$

**Задача 24.10.**



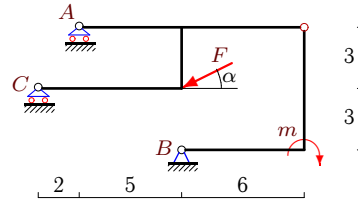
$F = 3 \text{ кН}, m = 1 \text{ кНМ}.$

**Задача 24.11.**



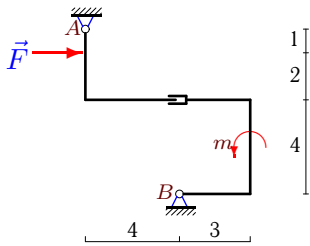
$F = 35 \text{ кН}, m = 35 \text{ кНМ}, \cos \alpha = 0.8.$

**Задача 24.12.**



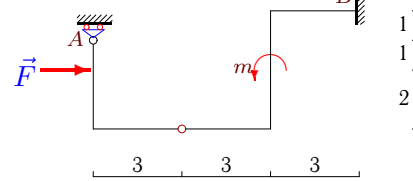
$F = 15 \text{ кН}, m = 30 \text{ кНМ}, \cos \alpha = 0.8.$

**Задача 24.13.**



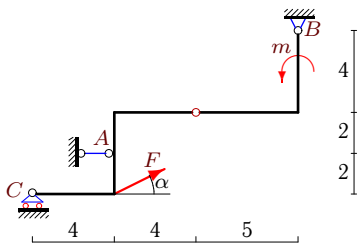
$F = 4 \text{ кН}, m = 16 \text{ кНМ}.$

**Задача 24.14.**



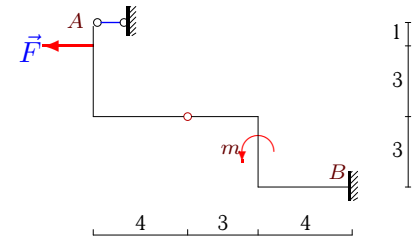
$F = 3 \text{ кН}, m = 8 \text{ кНМ}.$

**Задача 24.15.**



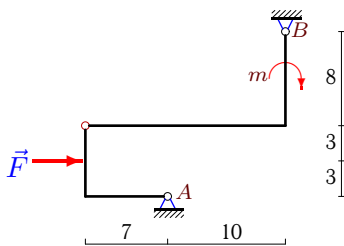
$F = 55 \text{ кН}, m = 110 \text{ кНМ}, \cos \alpha = 0.8.$

**Задача 24.16.**



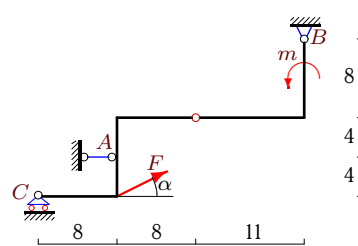
$F = 4 \text{ кН}, m = 3 \text{ кНМ}.$

**Задача 24.17.**



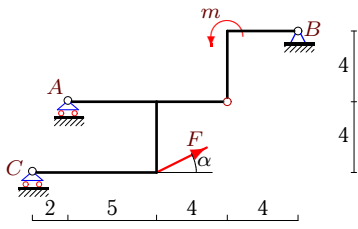
$F = 21 \text{ кН}, m = 5 \text{ кНМ}.$

**Задача 24.18.**



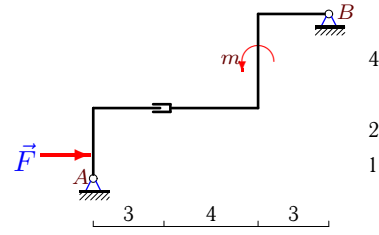
$F = 105 \text{ кН}, m = 315 \text{ кНМ}, \cos \alpha = 0.8.$

**Задача 24.19.**



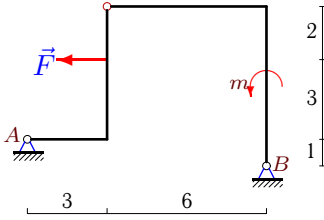
$F = 20 \text{ кН}, m = 40 \text{ кНм}, \cos \alpha = 0.8.$

**Задача 24.20.**



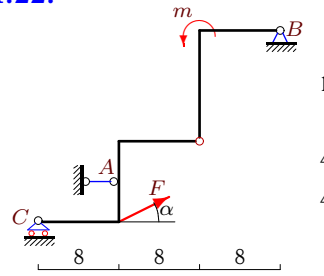
$F = 1 \text{ кН}, m = 1 \text{ кНм}.$

**Задача 24.21.**



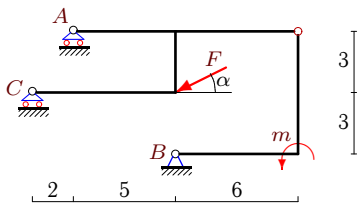
$F = 1 \text{ кН}, m = 6 \text{ кНм}.$

**Задача 24.22.**



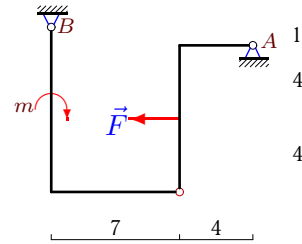
$F = 45 \text{ кН}, m = 90 \text{ кНм}, \cos \alpha = 0.8.$

**Задача 24.23.**



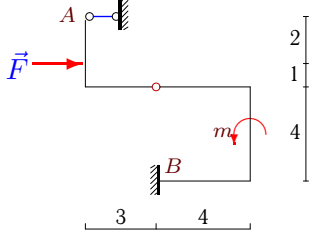
$F = 15 \text{ кН}, m = 30 \text{ кНм}, \cos \alpha = 0.8.$

**Задача 24.24.**



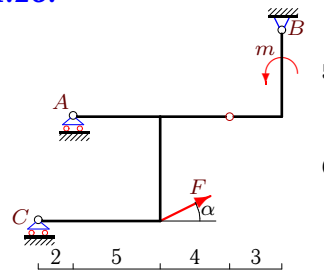
$F = 4 \text{ кН}, m = 5 \text{ кНм}.$

**Задача 24.25.**



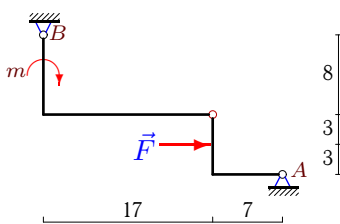
$F = 6 \text{ кН}, m = 11 \text{ кНм}.$

**Задача 24.26.**



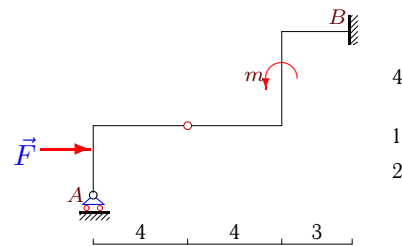
$F = 10 \text{ кН}, m = 20 \text{ кНм}, \cos \alpha = 0.8.$

**Задача 24.27.**



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

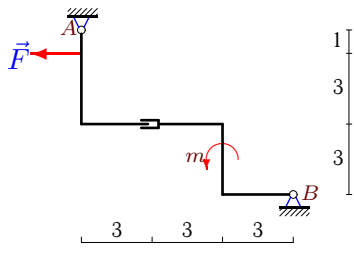
**Задача 24.28.**



$F = 4 \text{ кН}, m = 9 \text{ кНм}.$

**Задача 24.29.**

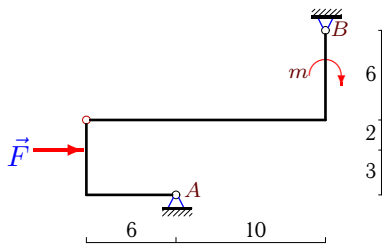
1



$F = 9 \text{ кН}, m = 18 \text{ кНм.}$

**Задача 24.31.**

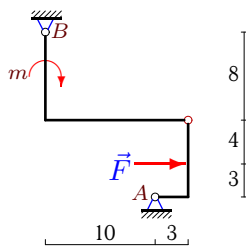
1



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

**Задача 24.33.**

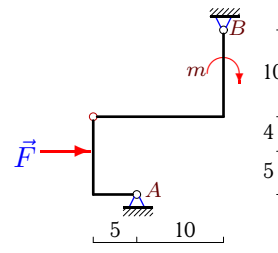
1



$F = 35 \text{ кН}, m = 5 \text{ кНм.}$

**Задача 24.30.**

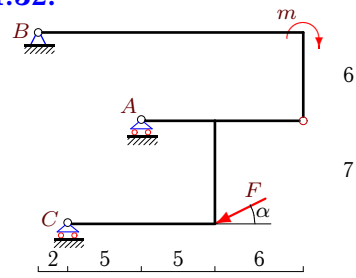
1



$F = 12 \text{ кН}, m = 5 \text{ кНм.}$

**Задача 24.32.**

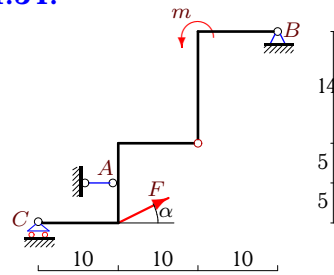
1



$F = 225 \text{ кН}, m = 450 \text{ кНм}, \cos \alpha = 0.8.$

**Задача 24.34.**

1



$F = 115 \text{ кН}, m = 230 \text{ кНм}, \cos \alpha = 0.8.$

**Простая составная конструкция**

	$X_A$	$Y_A$	$X_B$	$Y_B$	$Y_C$	$M_B$
1	6	-	2	0	-	-11
2	22	-	-10	5	4	-
3	-	-27	4	7	23	-
4	0	-4	5	4	-	-
5	-1	-	-2	0	-	3
6	2	1	0	-1	-	-
7	-3	-2	-1	2	-	-
8	-8	-	0	-5	-1	-
9	-	23	-12	-17	-15	-
10	0	-2	3	2	-	-
11	38	-	-10	15	6	-
12	-	4	12	7	-2	-
13	-4	5	0	-5	-	-
14	-	-2	-3	2	-	-32
15	-34	-	-10	-30	-3	-
16	3	-	1	0	-	-6
17	-14	3	-7	-3	-	-
18	-34	-	-50	-65	2	-
19	-	69	-16	-26	-55	-
20	-1	0	0	0	-	-
21	1	1	0	-1	-	-
22	-26	-	-10	-25	-2	-
23	-	-61	12	17	53	-
24	3	2	1	-2	-	-
25	-2	-	-4	0	-	5
26	-	65	-8	-20	-51	-
27	0	-3	-7	3	-	-
28	-	1	-4	-1	-	-18
29	9	1	0	-1	-	-
30	-7	3	-5	-3	-	-
31	-8	2	-6	-2	-	-
32	-	794	180	-85	-574	-
33	-23	-7	-12	7	-	-
34	-62	-	-30	-65	-4	-