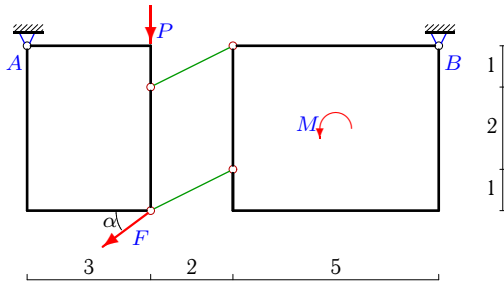


## Две пластины, соединенные стержнями

Конструкция состоит из двух пластин, соединенных параллельными невесомыми стержнями. Определить реакции опор конструкции (в кН). Размеры даны в метрах.

**Задача S32.1.**

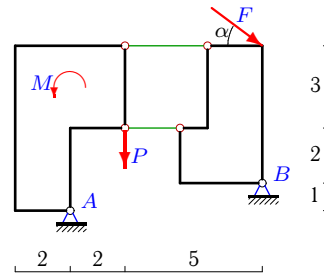
4



$$F=25 \text{ кН}, P=1 \text{ кН}, M=148 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

**Задача S32.2.**

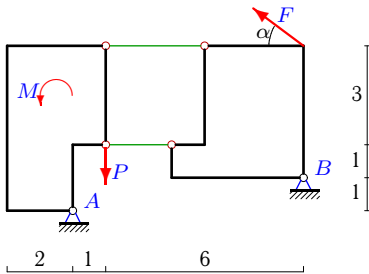
4



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

**Задача S32.3.**

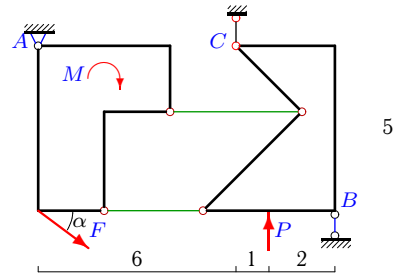
4



$$F=25 \text{ кН}, P=1 \text{ кН}, M=2 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

**Задача S32.4.**

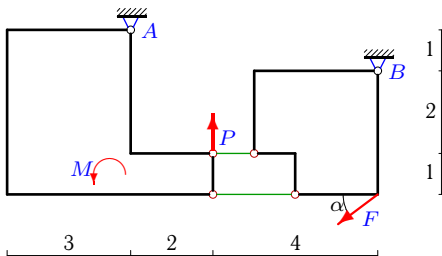
4



$$F=10 \text{ кН}, P=3 \text{ кН}, M=31 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

**Задача S32.5.**

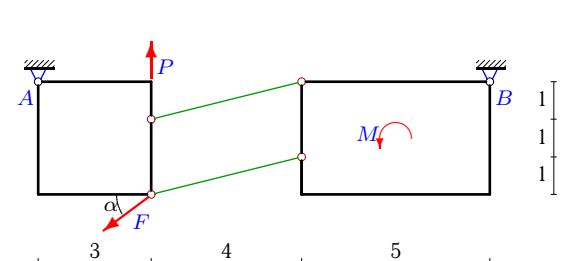
4



$$F=5 \text{ кН}, P=1 \text{ кН}, M=1 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

**Задача S32.6.**

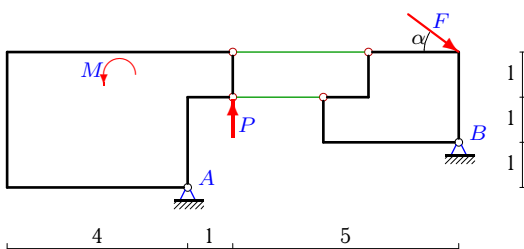
4



$$F=5 \text{ кН}, P=1 \text{ кН}, M=66 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

**Задача S32.7.**

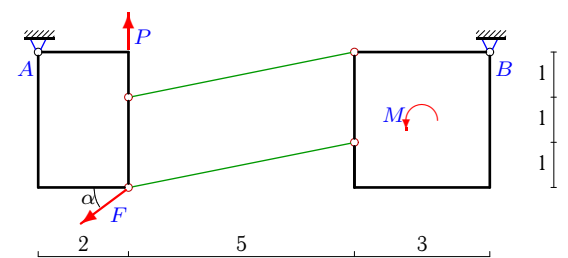
4



$$F=10 \text{ кН}, P=1 \text{ кН}, M=2 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

**Задача S32.8.**

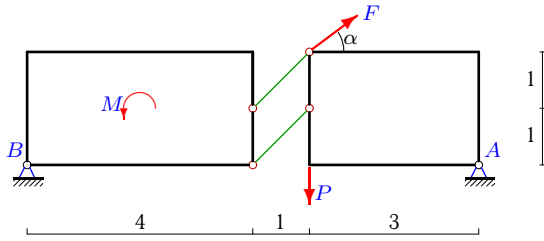
4



$$F=10 \text{ кН}, P=6 \text{ кН}, M=54 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

**Задача S32.9.**

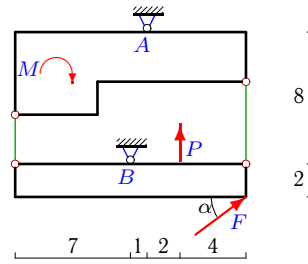
4



$F=5 \text{ кН}, P=1 \text{ кН}, M=38 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.10.**

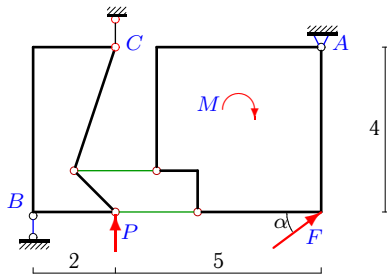
4



$F=10 \text{ кН}, P=2 \text{ кН}, M=77 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.11.**

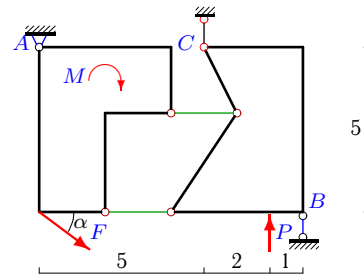
4



$F=10 \text{ кН}, P=3 \text{ кН}, M=38 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.12.**

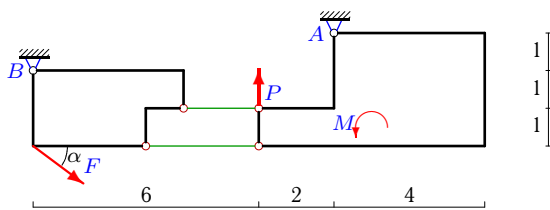
4



$F=5 \text{ кН}, P=1 \text{ кН}, M=19 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.13.**

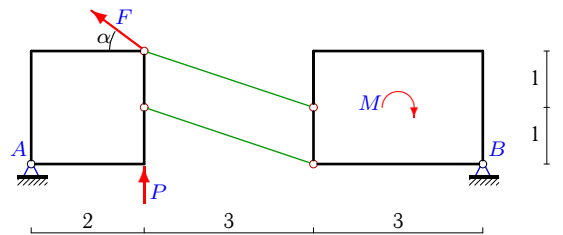
4



$F=25 \text{ кН}, P=2 \text{ кН}, M=2 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.14.**

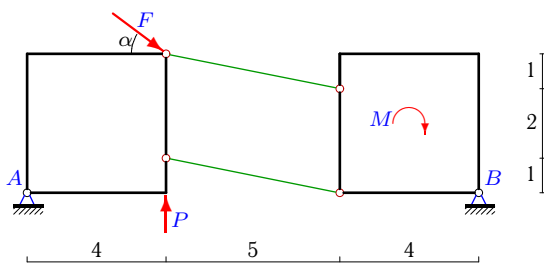
4



$F=10 \text{ кН}, P=1 \text{ кН}, M=54 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.15.**

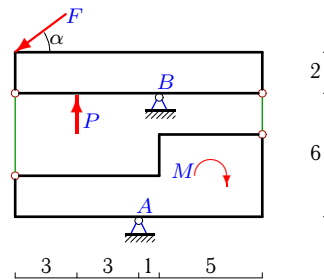
4



$F=5 \text{ кН}, P=1 \text{ кН}, M=28 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.16.**

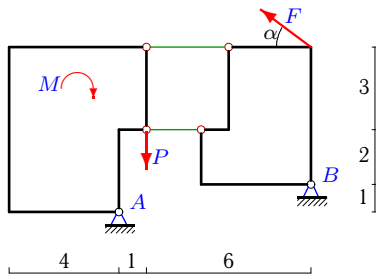
4



$F=10 \text{ кН}, P=6 \text{ кН}, M=63 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.17.**

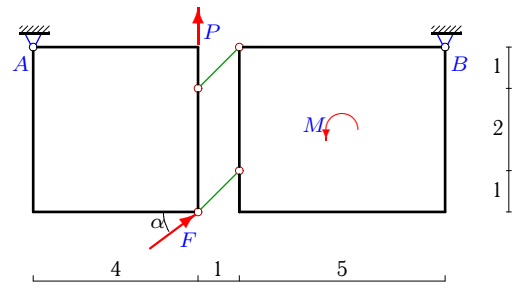
4



$F=5 \text{ кН}, P=1 \text{ кН}, M=1 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.18.**

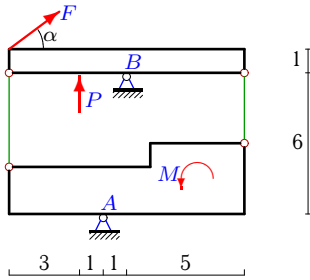
4



$F=5 \text{ кН}, P=1 \text{ кН}, M=8 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.19.**

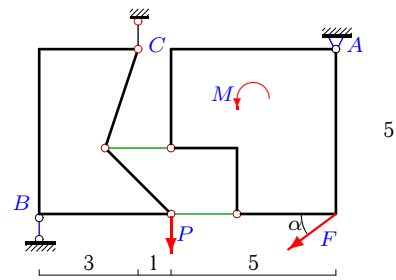
4



$F=10 \text{ кН}, P=6 \text{ кН}, M=57 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.20.**

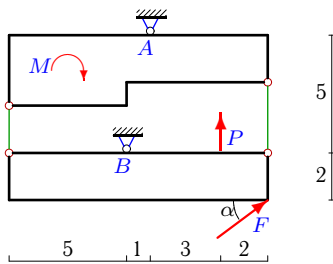
4



$F=50 \text{ кН}, P=1 \text{ кН}, M=198 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.21.**

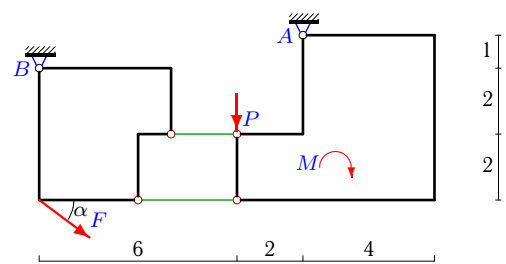
4



$F=5 \text{ кН}, P=1 \text{ кН}, M=28 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.22.**

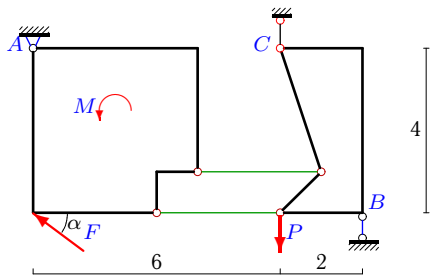
4



$F=25 \text{ кН}, P=2 \text{ кН}, M=2 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.23.**

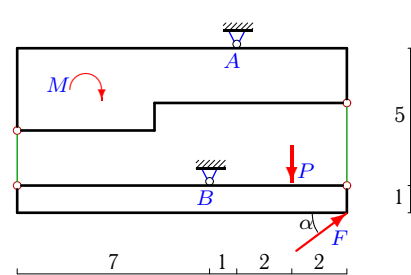
4



$F=5 \text{ кН}, P=1 \text{ кН}, M=18 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.24.**

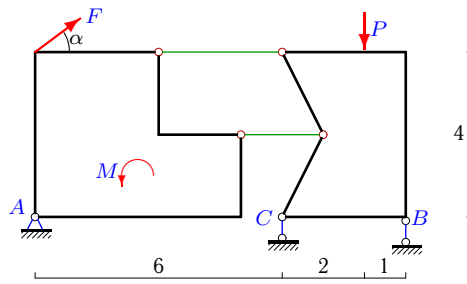
4



$F=10 \text{ кН}, P=1 \text{ кН}, M=47 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.25.**

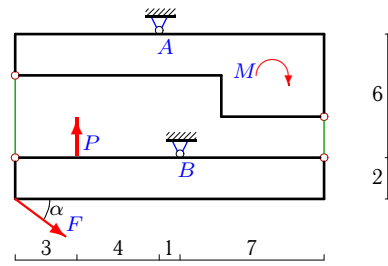
4



$F=50 \text{ кН}, P=3 \text{ кН}, M=154 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.26.**

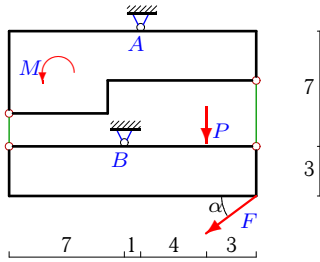
4



$F=25 \text{ кН}, P=1 \text{ кН}, M=162 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.27.**

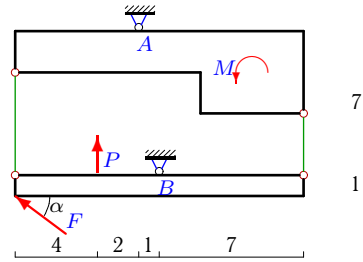
4



$F=5 \text{ кН}, P=2 \text{ кН}, M=42 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.28.**

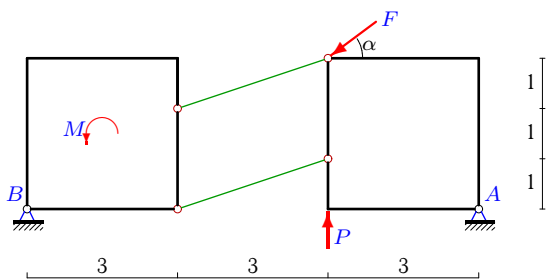
4



$F=5 \text{ кН}, P=1 \text{ кН}, M=29 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.29.**

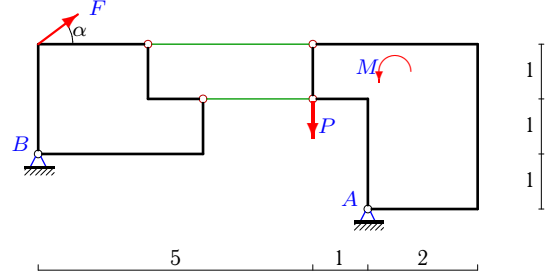
4



$F=5 \text{ кН}, P=1 \text{ кН}, M=9 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.30.**

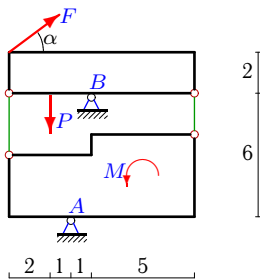
4



$F=5 \text{ кН}, P=1 \text{ кН}, M=2 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.31.**

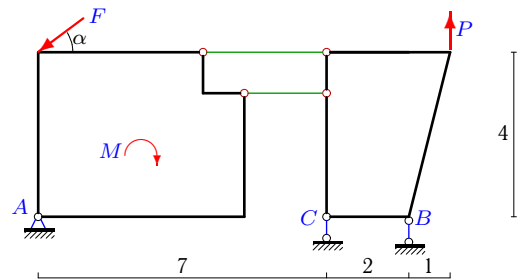
4



$F=10 \text{ кН}, P=1 \text{ кН}, M=64 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.32.**

4



$F=5 \text{ кН}, P=1 \text{ кН}, M=21 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**S32 Ответы.****Две пластины, соединенные стержнями**

03.12.2011

	$X_A$	$Y_A$	$X_B$	$Y_B$	$Y_C$	
1	24	18	-4	-2	—	
2	22	2	-26	3	—	
3	-81	1	101	-15	—	
4	-8	6	—	-4	-1	
5	-9	-1	13	3	—	
6	20	6	-16	-4	—	
7	13	-1	-21	6	—	
8	23	3	-15	-3	—	
9	-7	-5	3	3	—	
10	0	13	-8	-21	—	
11	-8	-6	—	-3	0	
12	-4	3	—	-1	0	
13	38	-2	-58	15	—	
14	17	-10	-9	3	—	
15	16	-2	-20	4	—	
16	0	-29	8	29	—	
17	-18	1	22	-3	—	
18	0	0	4	4	—	
19	0	7	-8	-19	—	
20	40	30	—	-1	-2	
21	0	-2	-4	-2	—	
22	82	2	-102	15	—	
23	4	-3	—	-1	-2	
24	0	12	-8	-17	—	
25	-40	-30	—	4	-1	
26	0	-7	-20	21	—	
27	0	4	4	1	—	
28	0	1	4	-5	—	
29	-5	-1	9	3	—	
30	5	1	-9	-3	—	
31	0	26	-8	-31	—	
32	4	3	—	1	-2	

S32 файл о32s4A