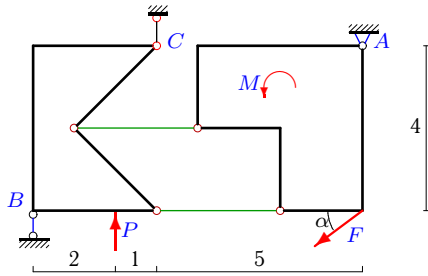


Две пластины, соединенные стержнями

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

Задача S32.1.

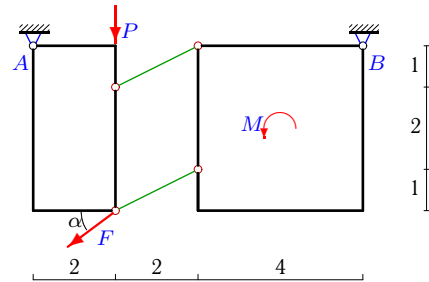
3



$$F=10 \text{ кН}, P=3 \text{ кН}, M=29 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

Задача S32.2.

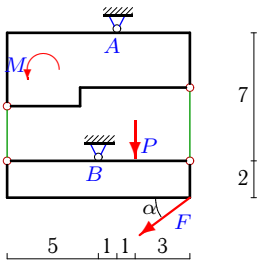
3



$$F=25 \text{ кН}, P=1 \text{ кН}, M=152 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

Задача S32.3.

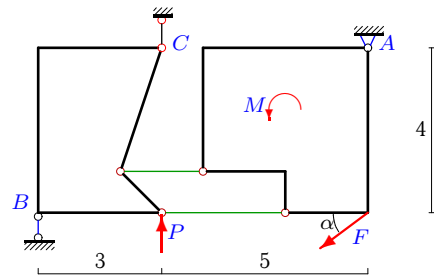
3



$$F=5 \text{ кН}, P=1 \text{ кН}, M=37 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

Задача S32.4.

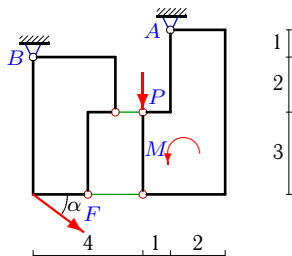
3



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

Задача S32.5.

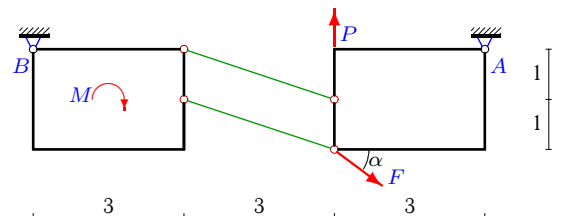
3



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

Задача S32.6.

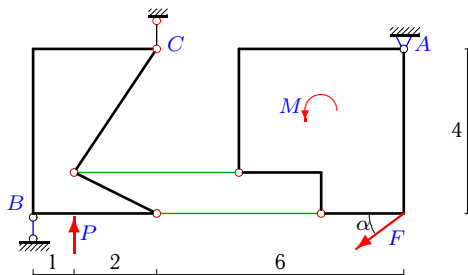
3



$$F=5 \text{ кН}, P=1 \text{ кН}, M=41 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

Задача S32.7.

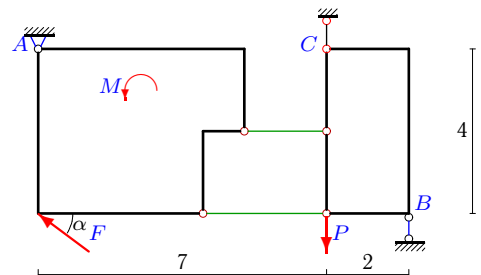
3



$$F=5 \text{ кН}, P=3 \text{ кН}, M=16 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

Задача S32.8.

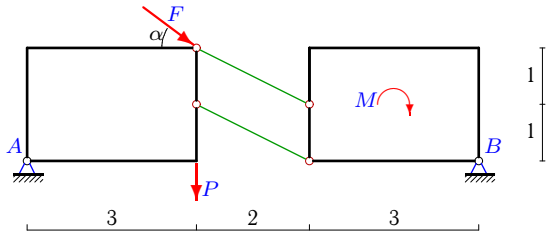
3



$$F=10 \text{ кН}, P=1 \text{ кН}, M=38 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

Задача S32.9.

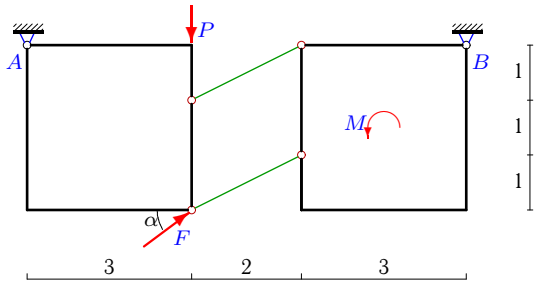
3



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

Задача S32.11.

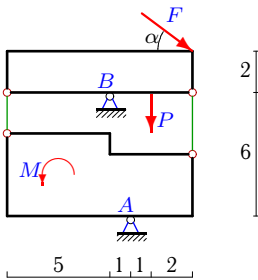
3



$F=5 \text{ кН}, P=1 \text{ кН}, M=6 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.13.

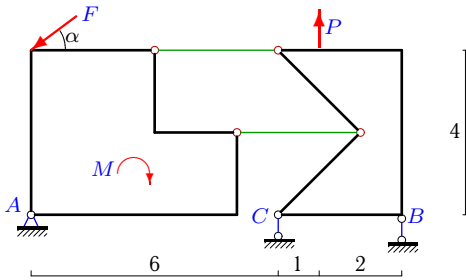
3



$F=5 \text{ кН}, P=1 \text{ кН}, M=32 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.15.

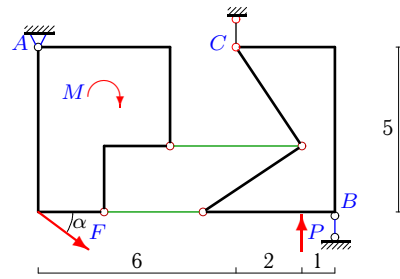
3



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

Задача S32.10.

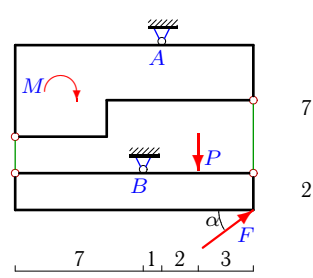
3



$F=20 \text{ кН}, P=1 \text{ кН}, M=76 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.12.

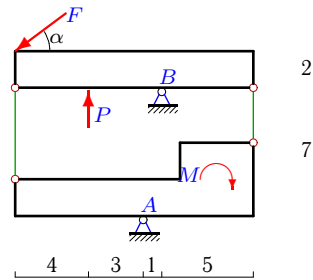
3



$F=5 \text{ кН}, P=2 \text{ кН}, M=34 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.14.

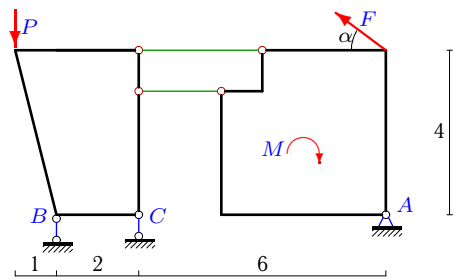
3



$F=10 \text{ кН}, P=1 \text{ кН}, M=70 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.16.

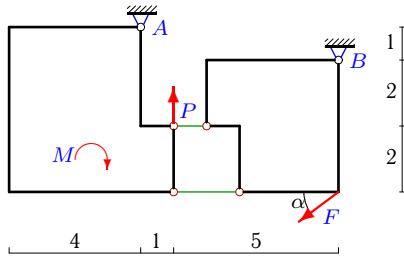
3



$F=5 \text{ кН}, P=1 \text{ кН}, M=17 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.17.

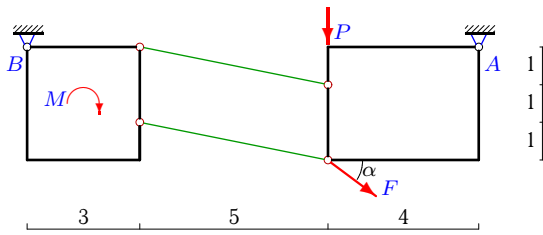
3



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

Задача S32.19.

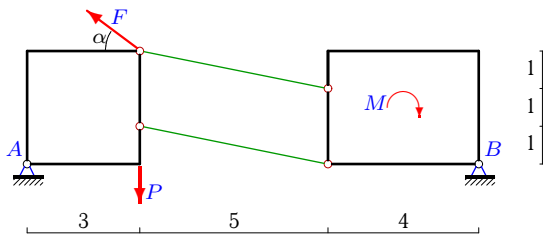
3



$F=5 \text{ кН}, P=2 \text{ кН}, M=92 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.21.

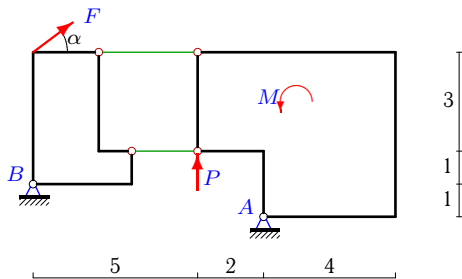
3



$F=5 \text{ кН}, P=2 \text{ кН}, M=51 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.23.

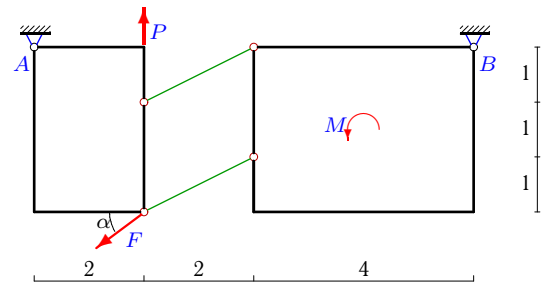
3



$F=25 \text{ кН}, P=6 \text{ кН}, M=1 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.18.

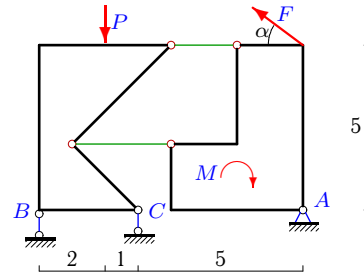
3



$F=5 \text{ кН}, P=1 \text{ кН}, M=40 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.20.

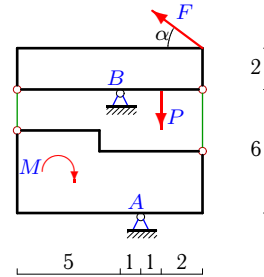
3



$F=10 \text{ кН}, P=1 \text{ кН}, M=29 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.22.

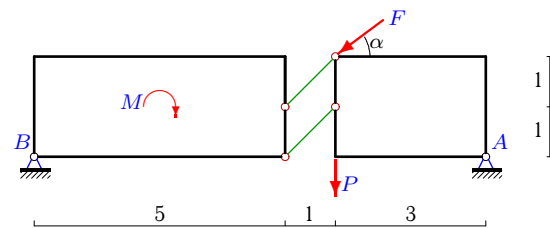
3



$F=5 \text{ кН}, P=2 \text{ кН}, M=32 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.24.

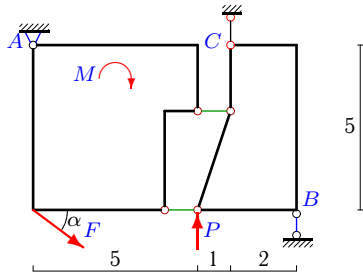
3



$F=5 \text{ кН}, P=1 \text{ кН}, M=11 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.25.

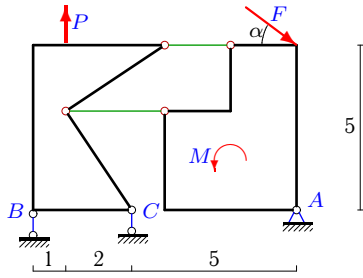
3



$F=30 \text{ кН}, P=3 \text{ кН}, M=115 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.27.

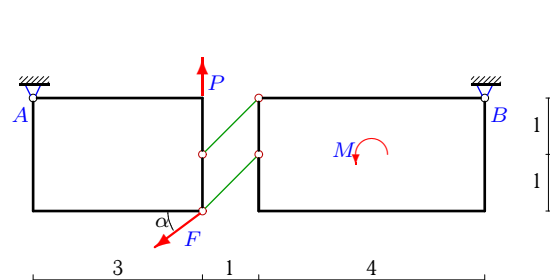
3



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

Задача S32.29.

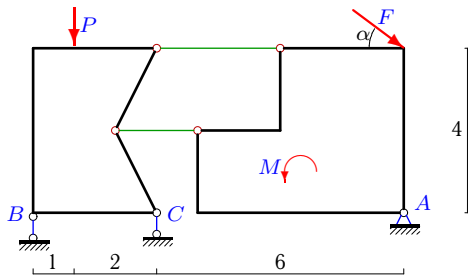
3



$F=5 \text{ кН}, P=1 \text{ кН}, M=46 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.31.

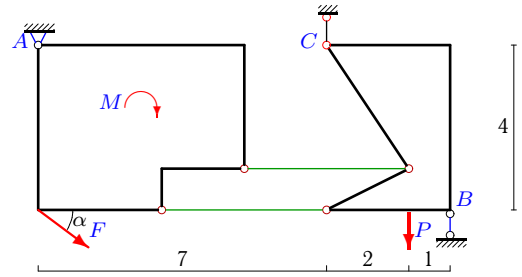
3



$F=5 \text{ кН}, P=1 \text{ кН}, M=26 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.26.

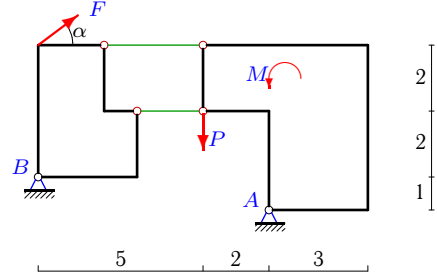
3



$F=10 \text{ кН}, P=1 \text{ кН}, M=15 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.28.

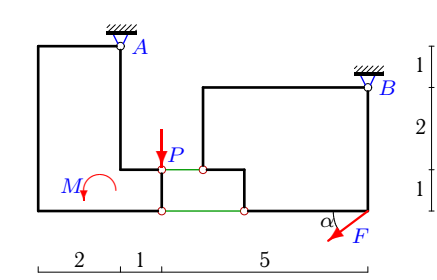
3



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

Задача S32.30.

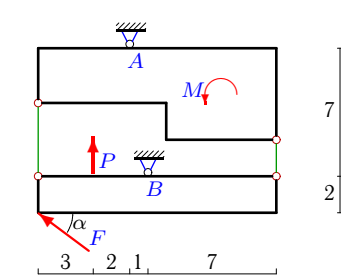
3



$F=5 \text{ кН}, P=6 \text{ кН}, M=2 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.32.

3



$F=5 \text{ кН}, P=1 \text{ кН}, M=35 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

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

03.12.2011

	X_A	Y_A	X_B	Y_B	Y_C	
1	8	6	—	-2	1	
2	30	21	-10	-5	—	
3	0	-12	4	16	—	
4	4	3	—	-4	-1	
5	22	1	-26	3	—	
6	-13	5	9	-3	—	
7	4	3	—	-2	1	
8	8	-6	—	-3	-4	
9	8	-2	-12	6	—	
10	-16	12	—	-2	-1	
11	2	1	-6	-3	—	
12	0	14	-4	-15	—	
13	0	-10	-4	14	—	
14	0	-10	8	15	—	
15	4	3	—	4	-5	
16	4	-3	—	1	0	
17	-79	-2	99	15	—	
18	10	5	-6	-3	—	
19	-29	10	25	-5	—	
20	8	-6	—	4	-3	
21	19	-4	-15	3	—	
22	0	16	4	-17	—	
23	91	-6	-111	-15	—	
24	3	3	1	1	—	
25	-24	18	—	-1	2	
26	-8	6	—	-5	-6	
27	-8	6	—	4	-5	
28	76	1	-96	-15	—	
29	8	6	-4	-4	—	
30	-16	6	20	3	—	
31	-4	3	—	4	-3	
32	0	6	4	-10	—	

S32 файл о32s3A