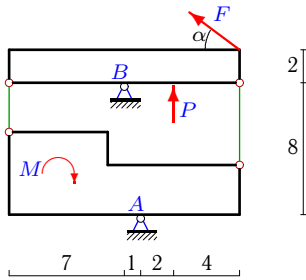


Две пластины, соединенные стержнями

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

Задача S32.1.

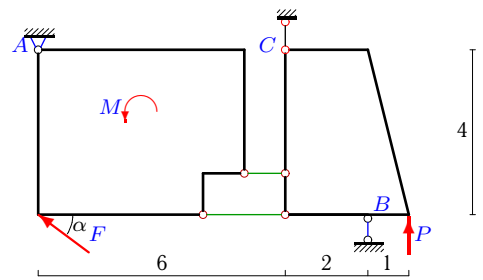
6



$$F=10 \text{ кН}, P=2 \text{ кН}, M=83 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

Задача S32.2.

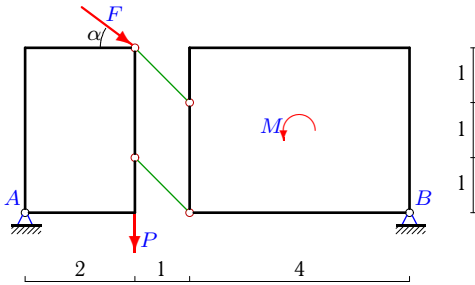
6



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

Задача S32.3.

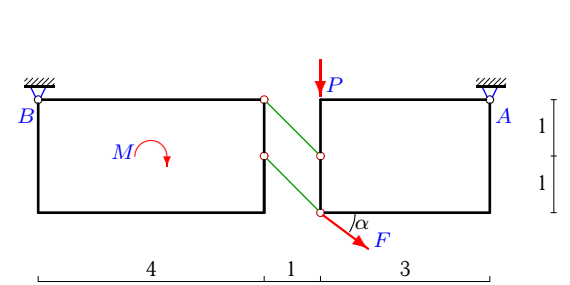
6



$$F=10 \text{ кН}, P=6 \text{ кН}, M=27 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

Задача S32.4.

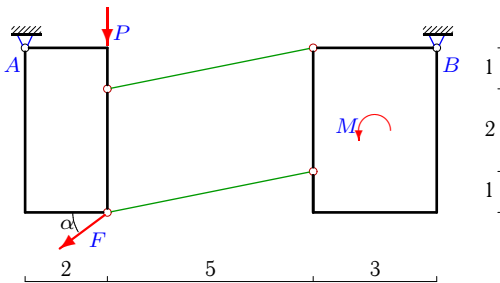
6



$$F=5 \text{ кН}, P=1 \text{ кН}, M=36 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

Задача S32.5.

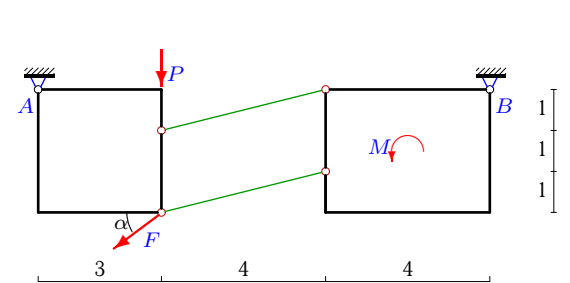
6



$$F=10 \text{ кН}, P=2 \text{ кН}, M=78 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

Задача S32.6.

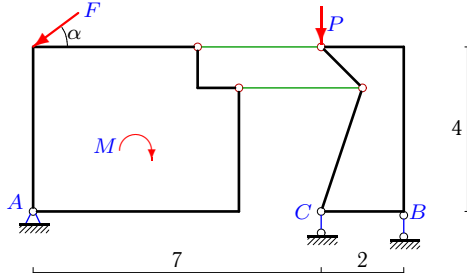
6



$$F=25 \text{ кН}, P=1 \text{ кН}, M=174 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

Задача S32.7.

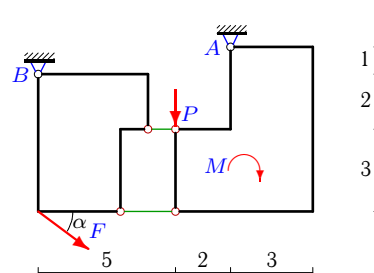
6



$$F=5 \text{ кН}, P=3 \text{ кН}, M=22 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

Задача S32.8.

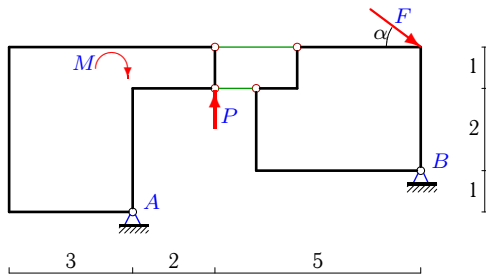
6



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

Задача S32.9.

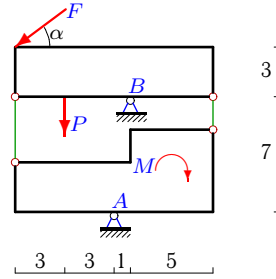
6



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

Задача S32.10.

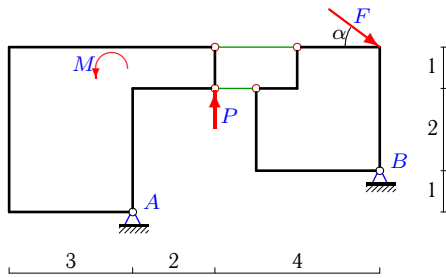
6



$F=10 \text{ кН}, P=1 \text{ кН}, M=79 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.11.

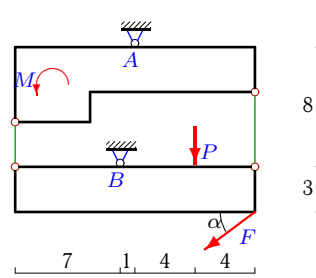
6



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

Задача S32.12.

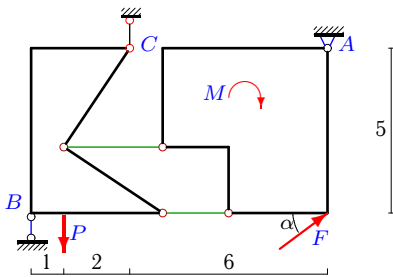
6



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

Задача S32.13.

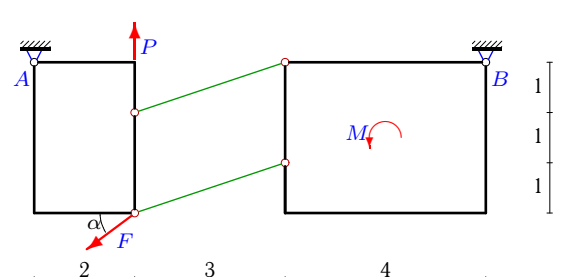
6



$F=10 \text{ кН}, P=1 \text{ кН}, M=48 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.14.

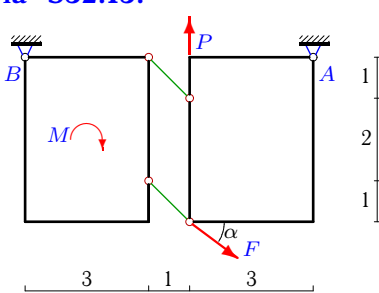
6



$F=5 \text{ кН}, P=6 \text{ кН}, M=33 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.15.

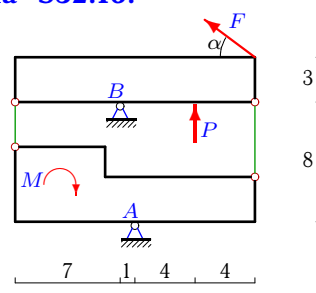
6



$F=25 \text{ кН}, P=2 \text{ кН}, M=161 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.16.

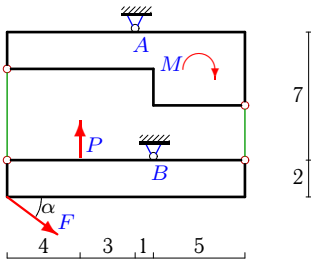
6



$F=5 \text{ кН}, P=6 \text{ кН}, M=47 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.17.

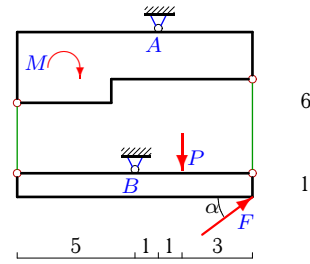
6



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

Задача S32.18.

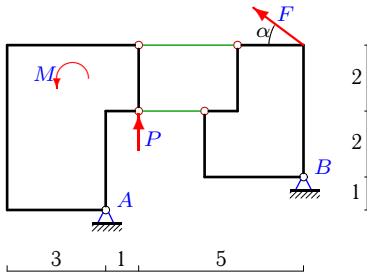
6



$F=10 \text{ кН}, P=1 \text{ кН}, M=55 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.19.

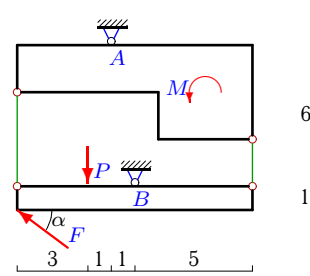
6



$F=25 \text{ кН}, P=6 \text{ кН}, M=2 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.20.

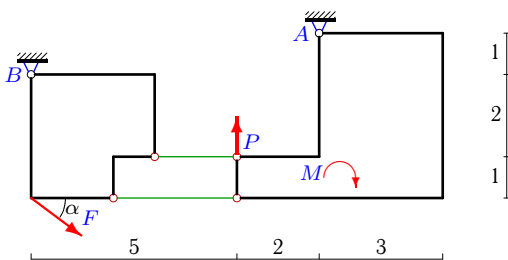
6



$F=5 \text{ кН}, P=6 \text{ кН}, M=27 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.21.

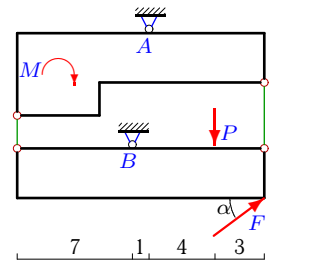
6



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

Задача S32.22.

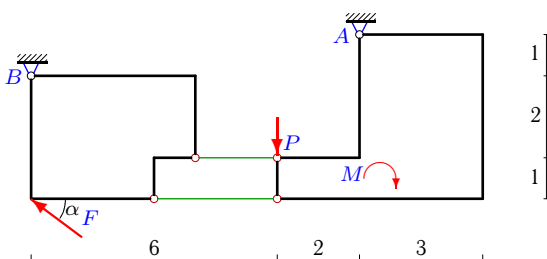
6



$F=10 \text{ кН}, P=1 \text{ кН}, M=78 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.23.

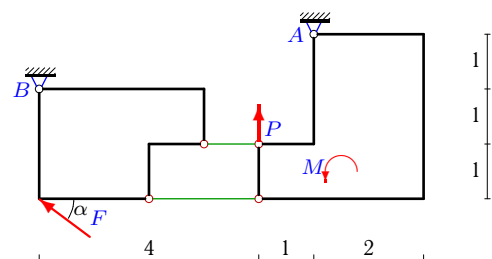
6



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

Задача S32.24.

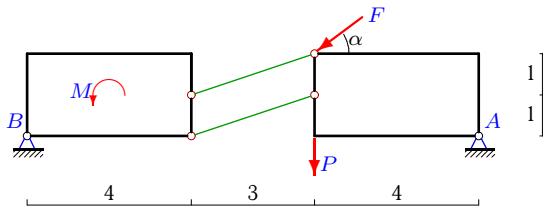
6



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

Задача S32.25.

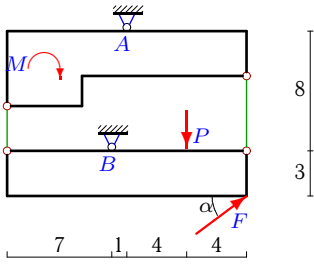
6



$F=5 \text{ кН}, P=6 \text{ кН}, M=11 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.27.

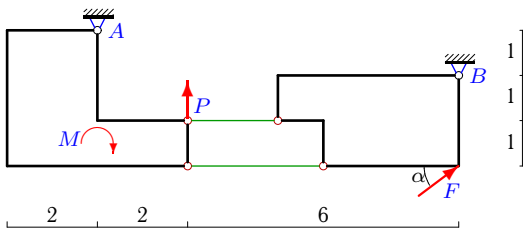
6



$F=5 \text{ кН}, P=2 \text{ кН}, M=41 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.29.

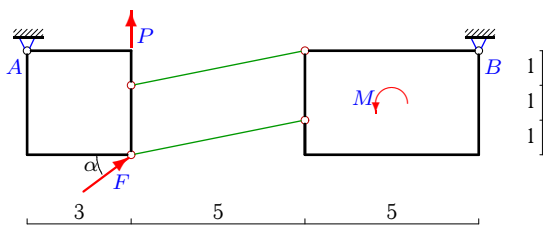
6



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

Задача S32.31.

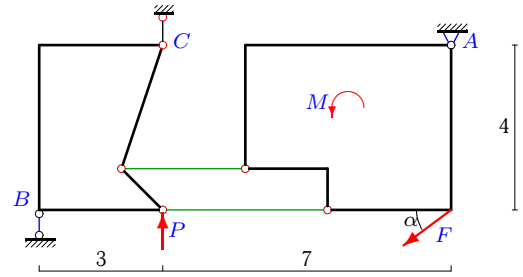
6



$F=5 \text{ кН}, P=2 \text{ кН}, M=38 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.26.

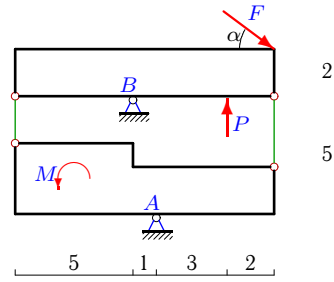
6



$F=50 \text{ кН}, P=1 \text{ кН}, M=145 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.28.

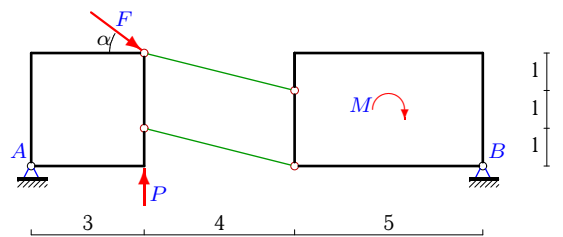
6



$F=5 \text{ кН}, P=3 \text{ кН}, M=28 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.30.

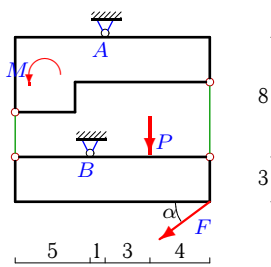
6



$F=10 \text{ кН}, P=1 \text{ кН}, M=21 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.32.

6



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

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

03.12.2011

	X_A	Y_A	X_B	Y_B	Y_C	
1	0	19	8	-27	—	
2	4	-3	—	-4	-3	
3	-5	9	-3	3	—	
4	-6	6	2	-2	—	
5	23	11	-15	-3	—	
6	44	22	-24	-6	—	
7	4	3	—	3	0	
8	100	1	-120	15	—	
9	21	-2	-29	6	—	
10	0	-9	8	16	—	
11	20	-1	-28	6	—	
12	0	-3	4	7	—	
13	-8	-6	—	-2	-3	
14	13	0	-9	-3	—	
15	-26	19	6	-6	—	
16	0	-22	4	13	—	
17	0	-10	-4	12	—	
18	0	19	-8	-24	—	
19	-88	-6	108	-15	—	
20	0	20	4	-17	—	
21	56	-1	-76	15	—	
22	0	11	-8	-16	—	
23	-11	1	15	-3	—	
24	-7	-1	11	-3	—	
25	-11	4	15	5	—	
26	40	30	—	-5	-4	
27	0	12	-4	-13	—	
28	0	-14	-4	14	—	
29	9	-1	-13	-3	—	
30	12	0	-20	5	—	
31	21	0	-25	-5	—	
32	0	-6	4	10	—	

S32 файл о32s6A