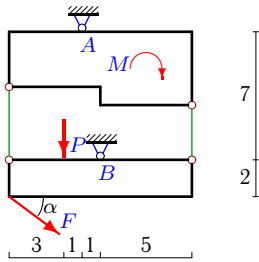


Две пластины, соединенные стержнями

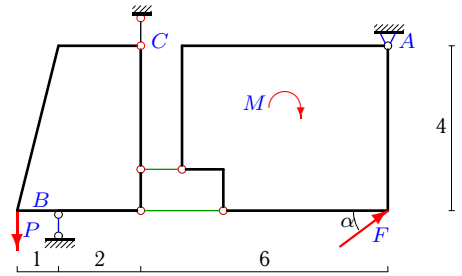
Конструкция состоит из двух пластин, соединенных параллельными невесомыми стержнями. Определить реакции опор конструкции (в кН). Размеры даны в метрах.

Задача S32.1.



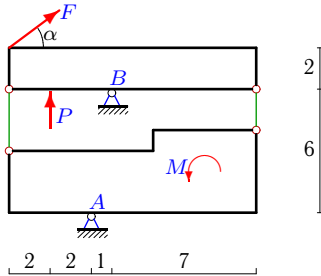
$$F=10 \text{ кН}, P=6 \text{ кН}, M=73 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

Задача S32.2.



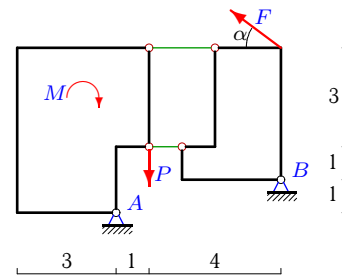
$$F=10 \text{ кН}, P=1 \text{ кН}, M=37 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

Задача S32.3.



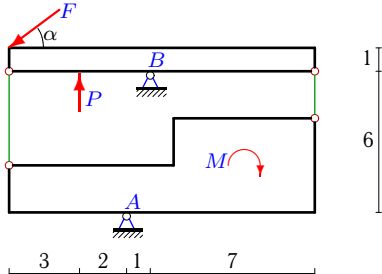
$$F=5 \text{ кН}, P=6 \text{ кН}, M=33 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

Задача S32.4.



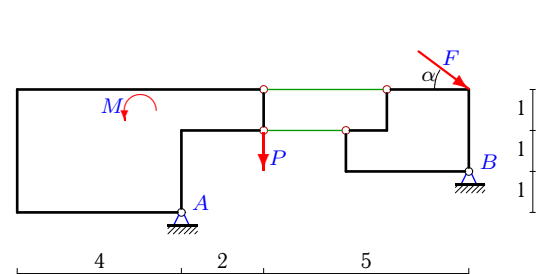
$$F=10 \text{ кН}, P=1 \text{ кН}, M=2 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

Задача S32.5.



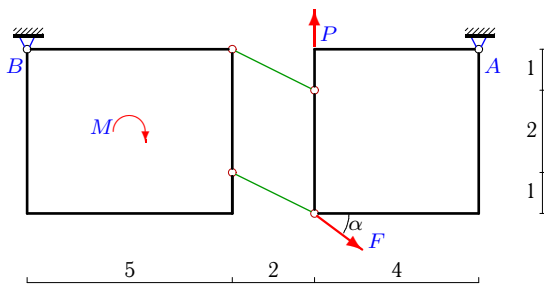
$$F=5 \text{ кН}, P=1 \text{ кН}, M=27 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

Задача S32.6.



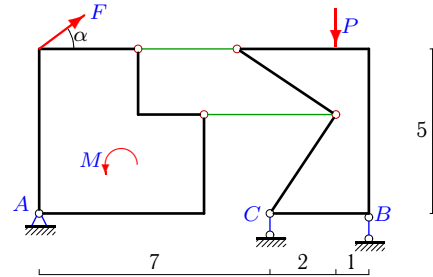
$$F=10 \text{ кН}, P=2 \text{ кН}, M=1 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

Задача S32.7.



$$F=25 \text{ кН}, P=1 \text{ кН}, M=191 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

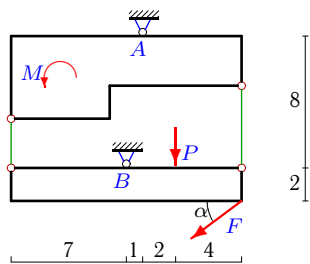
Задача S32.8.



$$F=10 \text{ кН}, P=1 \text{ кН}, M=27 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

Задача S32.9.

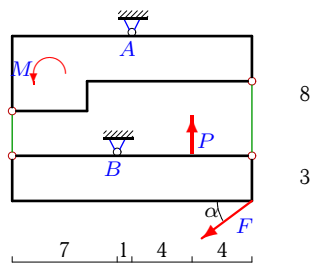
1



$F=25 \text{ кН}, P=6 \text{ кН}, M=203 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.10.

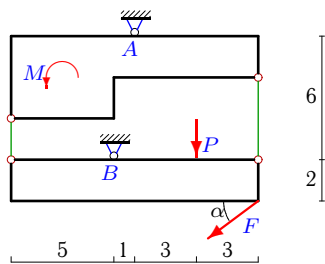
1



$F=25 \text{ кН}, P=1 \text{ кН}, M=223 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.11.

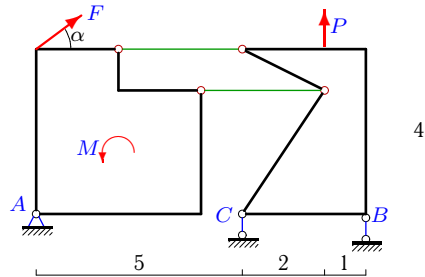
1



$F=5 \text{ кН}, P=1 \text{ кН}, M=33 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.12.

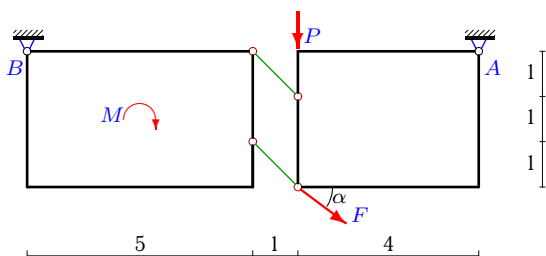
1



$F=50 \text{ кН}, P=1 \text{ кН}, M=149 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.13.

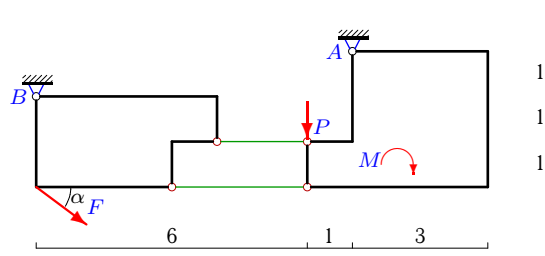
1



$F=10 \text{ кН}, P=1 \text{ кН}, M=102 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.14.

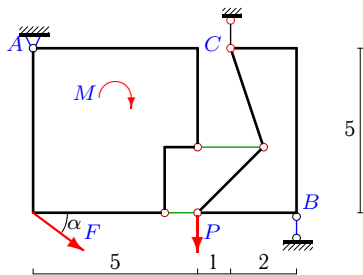
1



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

Задача S32.15.

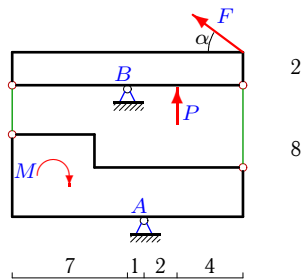
1



$F=30 \text{ кН}, P=1 \text{ кН}, M=113 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.16.

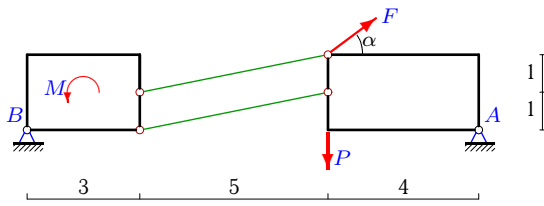
1



$F=10 \text{ кН}, P=1 \text{ кН}, M=83 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.17.

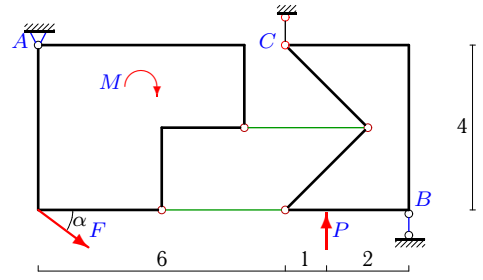
1



$F=10 \text{ кН}, P=6 \text{ кН}, M=52 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.18.

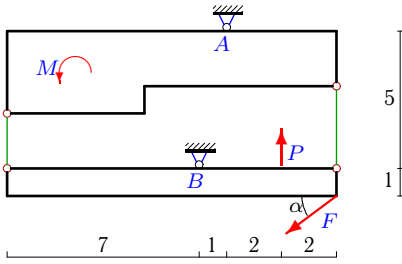
1



$F=30 \text{ кН}, P=1 \text{ кН}, M=91 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.19.

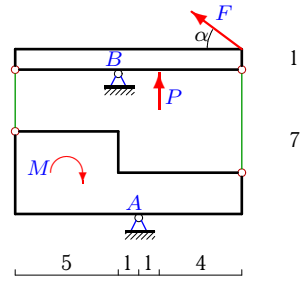
1



$F=25 \text{ кН}, P=2 \text{ кН}, M=121 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.20.

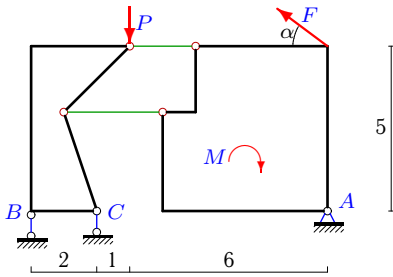
1



$F=5 \text{ кН}, P=6 \text{ кН}, M=34 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.21.

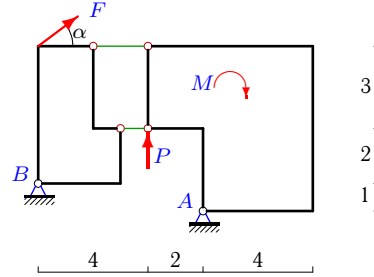
1



$F=5 \text{ кН}, P=3 \text{ кН}, M=9 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.22.

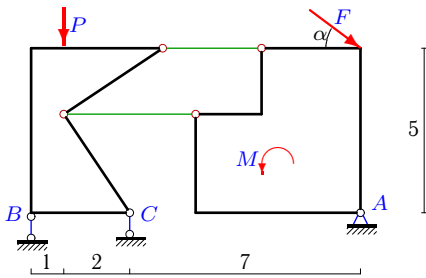
1



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

Задача S32.23.

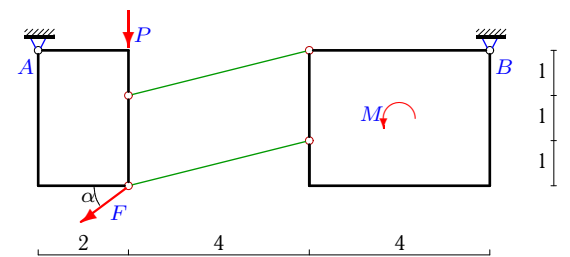
1



$F=10 \text{ кН}, P=1 \text{ кН}, M=53 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

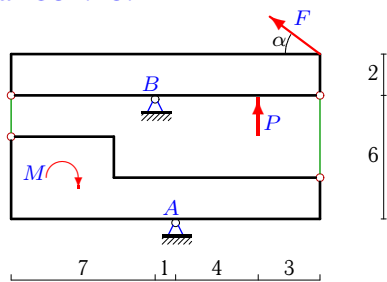
Задача S32.24.

1



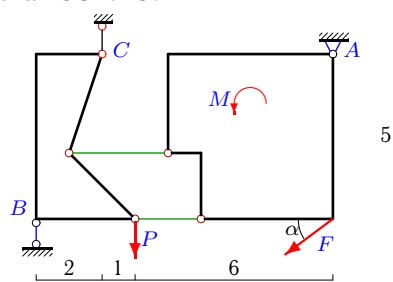
$F=10 \text{ кН}, P=2 \text{ кН}, M=70 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.25.



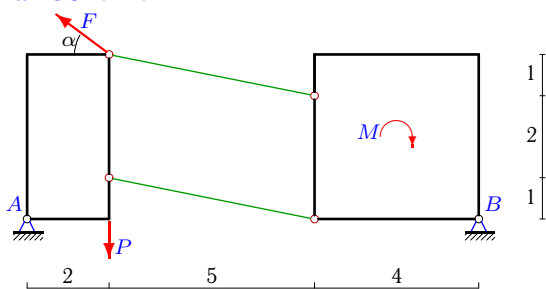
$F=25 \text{ кН}, P=1 \text{ кН}, M=162 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.26.



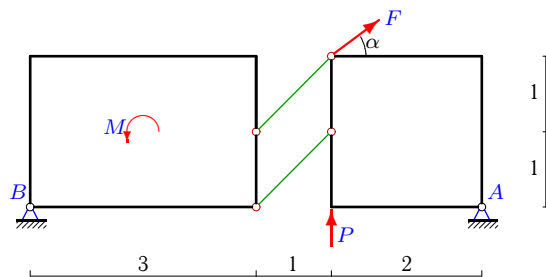
$F=10 \text{ кН}, P=1 \text{ кН}, M=39 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.27.



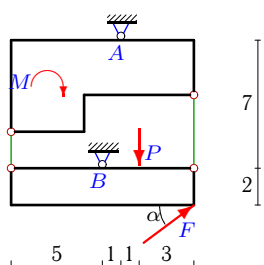
$F=25 \text{ кН}, P=2 \text{ кН}, M=161 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.28.



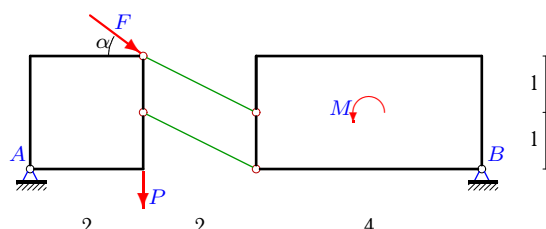
$F=5 \text{ кН}, P=1 \text{ кН}, M=28 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.29.



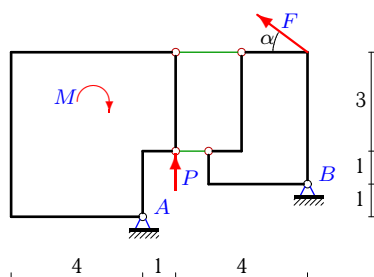
$F=10 \text{ кН}, P=1 \text{ кН}, M=71 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.30.



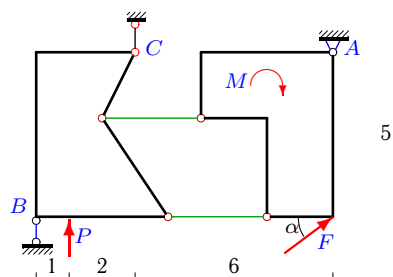
$F=5 \text{ кН}, P=1 \text{ кН}, M=8 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

Задача S32.31.



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

Задача S32.32.



$F=5 \text{ кН}, P=1 \text{ кН}, M=33 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

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

03.12.2011

	X_A	Y_A	X_B	Y_B	Y_C	
1	0	-15	-8	27	—	
2	-8	-6	—	-1	-2	
3	0	-8	-4	-1	—	
4	-29	1	37	-6	—	
5	0	-8	4	10	—	
6	19	2	-27	6	—	
7	-30	19	10	-5	—	
8	-8	-6	—	5	-4	
9	0	-40	20	61	—	
10	0	-33	20	47	—	
11	0	0	4	4	—	
12	-40	-30	—	3	-4	
13	-13	12	5	-5	—	
14	41	2	-61	15	—	
15	-24	18	—	-4	-5	
16	0	22	8	-29	—	
17	-23	-3	15	3	—	
18	-24	18	—	-2	-1	
19	0	-32	20	45	—	
20	0	0	4	-9	—	
21	4	-3	—	4	-1	
22	26	-2	-30	-3	—	
23	-8	6	—	5	-4	
24	20	11	-12	-3	—	
25	0	-3	20	-13	—	
26	8	6	—	-1	-2	
27	45	-18	-25	5	—	
28	-6	-6	2	2	—	
29	0	27	-8	-32	—	
30	-2	3	-2	1	—	
31	-16	-1	20	-3	—	
32	-4	-3	—	-5	-4	

S32 файл о32s1A