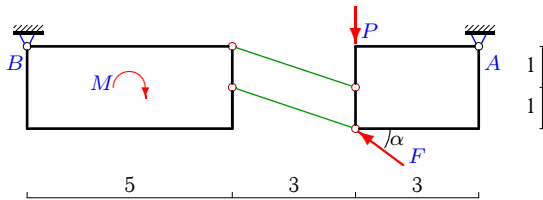


## Две пластины, соединенные стержнями

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

**Задача S32.1.**

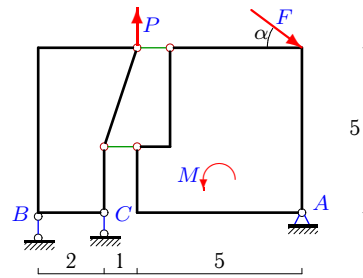
5



$$F=10 \text{ кН}, P=1 \text{ кН}, M=35 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

**Задача S32.2.**

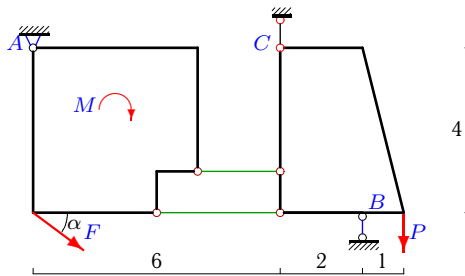
5



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

**Задача S32.3.**

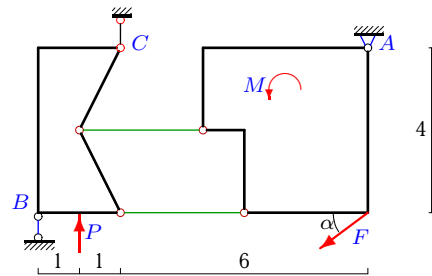
5



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

**Задача S32.4.**

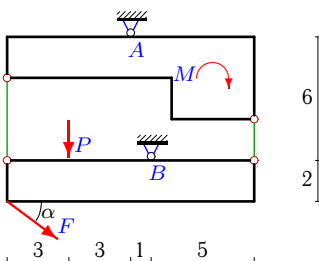
5



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

**Задача S32.5.**

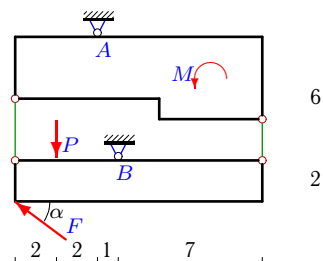
5



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

**Задача S32.6.**

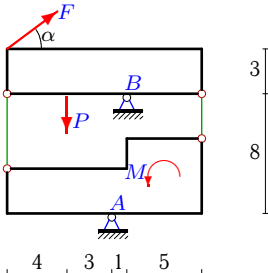
5



$$F=5 \text{ кН}, P=1 \text{ кН}, M=31 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

**Задача S32.7.**

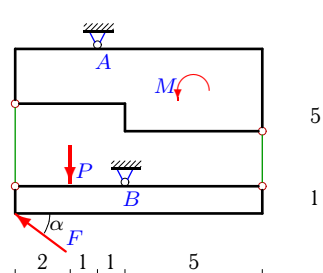
5



$$F=5 \text{ кН}, P=2 \text{ кН}, M=46 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

**Задача S32.8.**

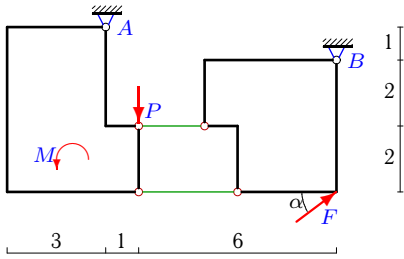
5



$$F=5 \text{ кН}, P=1 \text{ кН}, M=24 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

**Задача S32.9.**

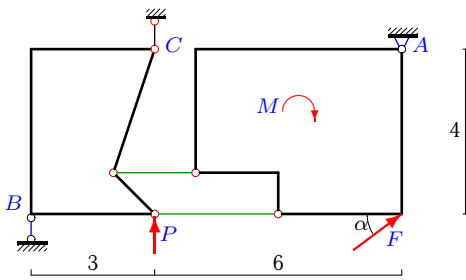
5



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

**Задача S32.11.**

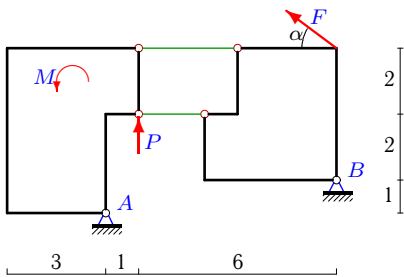
5



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

**Задача S32.13.**

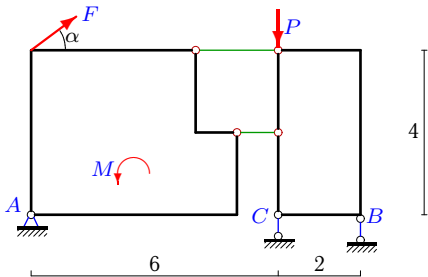
5



$F=25 \text{ кН}, P=2 \text{ кН}, M=7 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.15.**

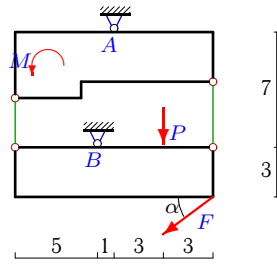
5



$F=50 \text{ кН}, P=3 \text{ кН}, M=152 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.10.**

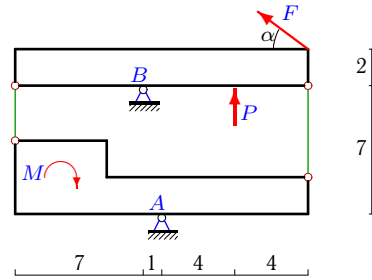
5



$F=10 \text{ кН}, P=6 \text{ кН}, M=81 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.12.**

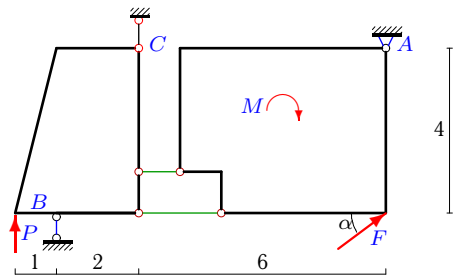
5



$F=25 \text{ кН}, P=1 \text{ кН}, M=183 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.14.**

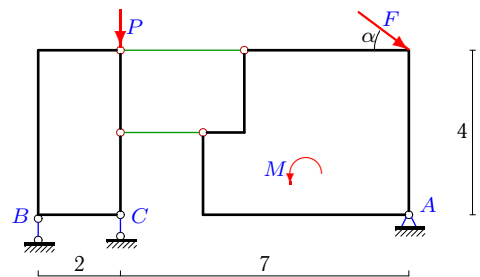
5



$F=5 \text{ кН}, P=3 \text{ кН}, M=17 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.16.**

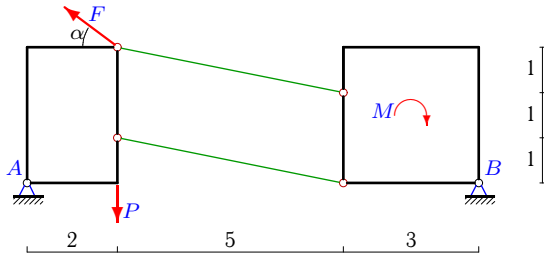
5



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

**Задача S32.17.**

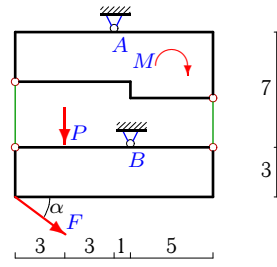
5



$F=25 \text{ кН}, P=1 \text{ кН}, M=108 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.18.**

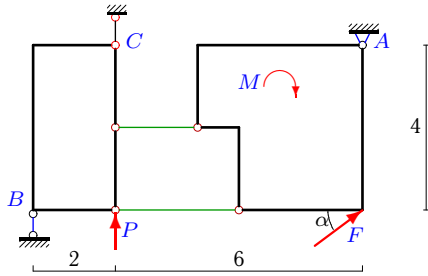
5



$F=10 \text{ кН}, P=2 \text{ кН}, M=81 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.19.**

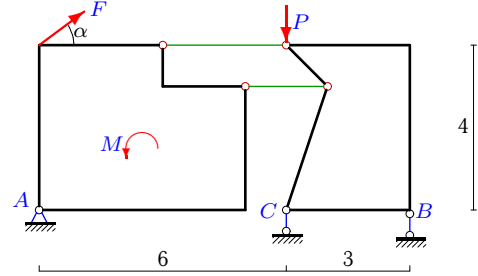
5



$F=10 \text{ кН}, P=3 \text{ кН}, M=42 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.20.**

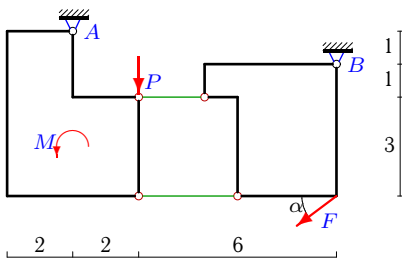
5



$F=5 \text{ кН}, P=1 \text{ кН}, M=7 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.21.**

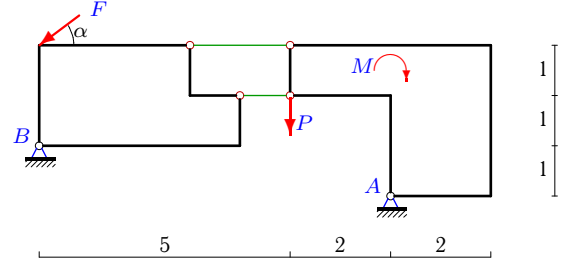
5



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

**Задача S32.22.**

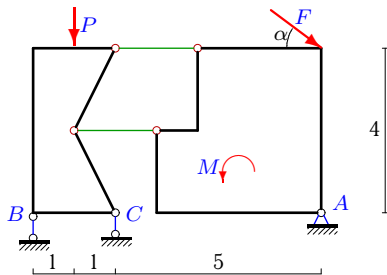
5



$F=5 \text{ кН}, P=1 \text{ кН}, M=7 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.23.**

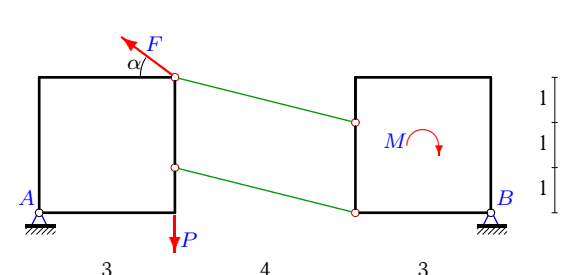
5



$F=5 \text{ кН}, P=3 \text{ кН}, M=21 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.24.**

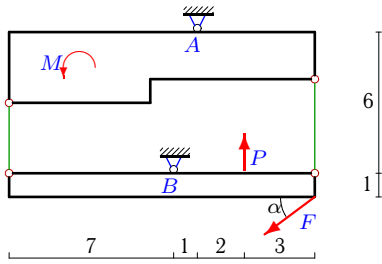
5



$F=10 \text{ кН}, P=2 \text{ кН}, M=66 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.25.**

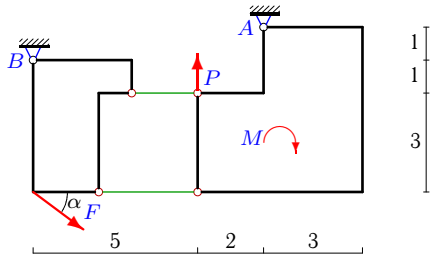
5



$F=5 \text{ кН}, P=2 \text{ кН}, M=30 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.27.**

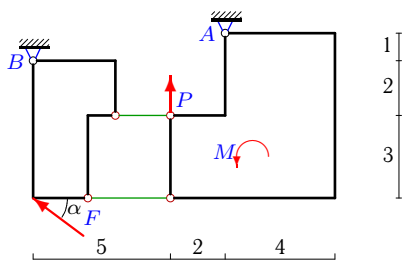
5



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

**Задача S32.29.**

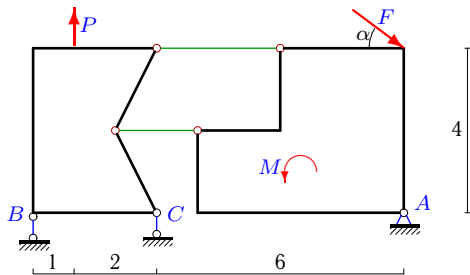
5



$F=10 \text{ кН}, P=2 \text{ кН}, M=7 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.31.**

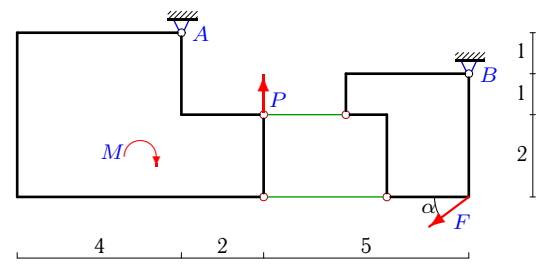
5



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

**Задача S32.26.**

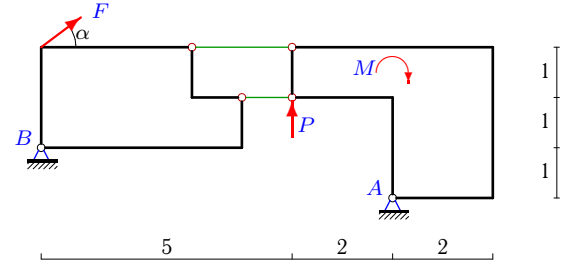
5



$F=5 \text{ кН}, P=2 \text{ кН}, M=7 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.28.**

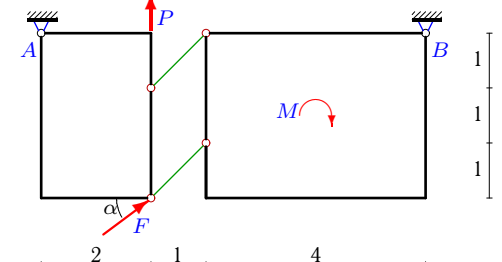
5



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

**Задача S32.30.**

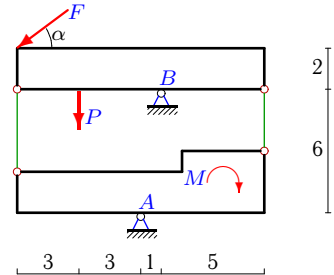
5



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

**Задача S32.32.**

5



$F=5 \text{ кН}, P=2 \text{ кН}, M=31 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

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

03.12.2011

	$X_A$	$Y_A$	$X_B$	$Y_B$	$Y_C$	
1	-10	1	18	-6	—	
2	-4	3	—	3	-4	
3	-4	3	—	-2	-3	
4	4	3	—	-3	-2	
5	0	20	-4	-11	—	
6	0	11	4	-13	—	
7	0	18	-4	-19	—	
8	0	10	4	-12	—	
9	16	1	-20	-3	—	
10	0	9	8	3	—	
11	-4	-3	—	-5	-2	
12	0	3	20	-19	—	
13	-89	-2	109	-15	—	
14	-4	-3	—	-5	-2	
15	-40	-30	—	4	-1	
16	-4	3	—	1	0	
17	30	-16	-10	2	—	
18	0	-7	-8	15	—	
19	-8	-6	—	-5	-2	
20	-4	-3	—	3	-2	
21	-26	6	30	3	—	
22	-3	1	7	3	—	
23	-4	3	—	4	-1	
24	20	-7	-12	3	—	
25	0	-14	4	15	—	
26	-15	-2	19	3	—	
27	27	-2	-35	6	—	
28	46	-2	-66	-15	—	
29	-37	-2	45	-6	—	
30	-4	-3	-4	-4	—	
31	-4	3	—	3	-4	
32	0	6	4	-1	—	

S32 файл о32s5A