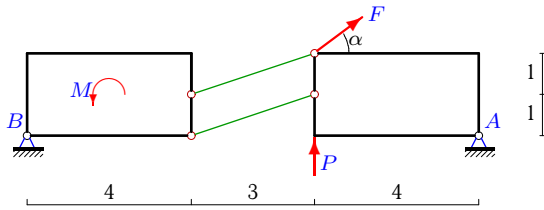


## Две пластины, соединенные стержнями

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

**Задача S32.1.**

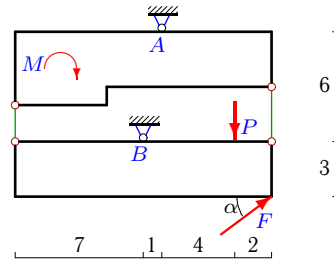
7



$$F=5 \text{ кН}, P=2 \text{ кН}, M=50 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

**Задача S32.2.**

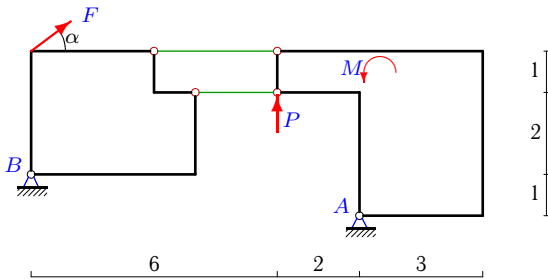
7



$$F=5 \text{ кН}, P=6 \text{ кН}, M=35 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

**Задача S32.3.**

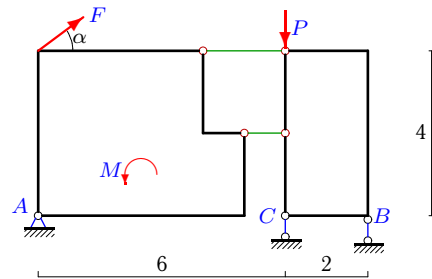
7



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

**Задача S32.4.**

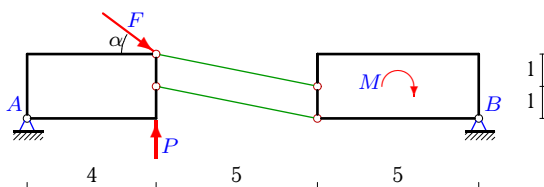
7



$$F=50 \text{ кН}, P=3 \text{ кН}, M=156 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

**Задача S32.5.**

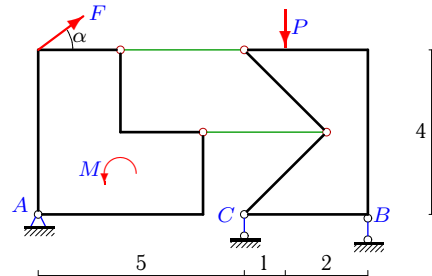
7



$$F=5 \text{ кН}, P=2 \text{ кН}, M=58 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

**Задача S32.6.**

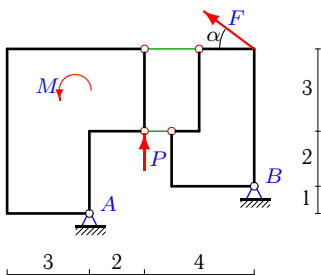
7



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

**Задача S32.7.**

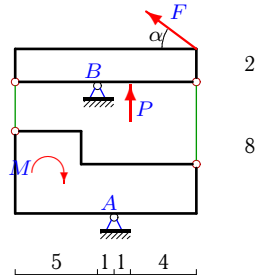
7



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

**Задача S32.8.**

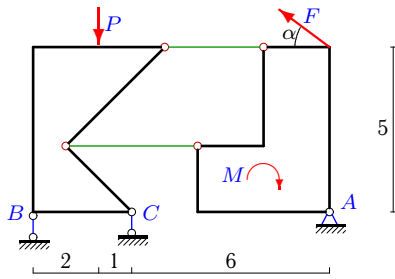
7



$$F=5 \text{ кН}, P=6 \text{ кН}, M=42 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

**Задача S32.9.**

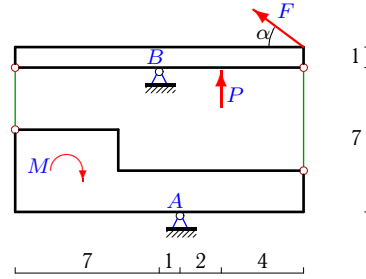
7



$F=5 \text{ кН}, P=3 \text{ кН}, M=8 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.10.**

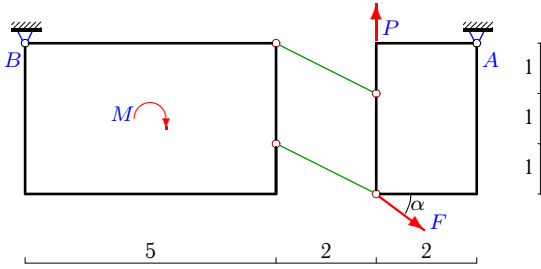
7



$F=25 \text{ кН}, P=6 \text{ кН}, M=163 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.11.**

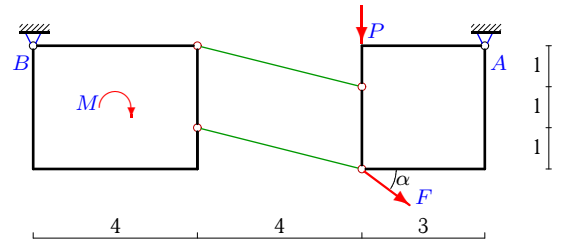
7



$F=10 \text{ кН}, P=6 \text{ кН}, M=51 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.12.**

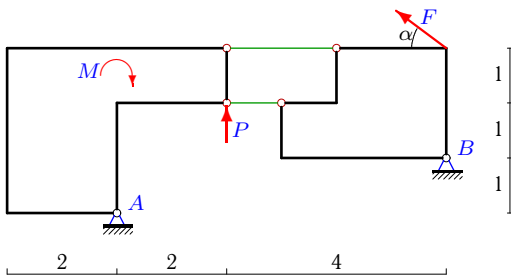
7



$F=5 \text{ кН}, P=2 \text{ кН}, M=71 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.13.**

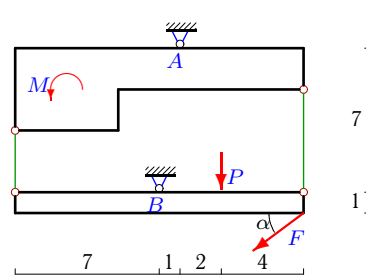
7



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

**Задача S32.14.**

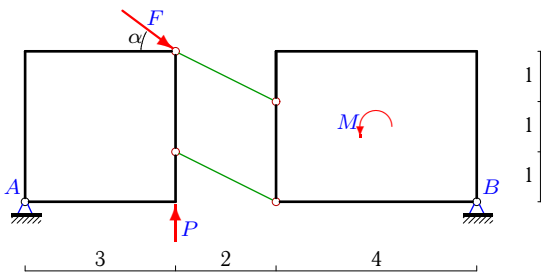
7



$F=5 \text{ кН}, P=2 \text{ кН}, M=35 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.15.**

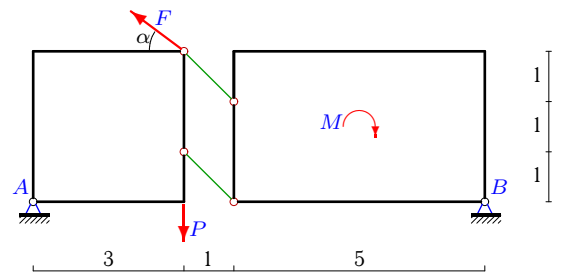
7



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

**Задача S32.16.**

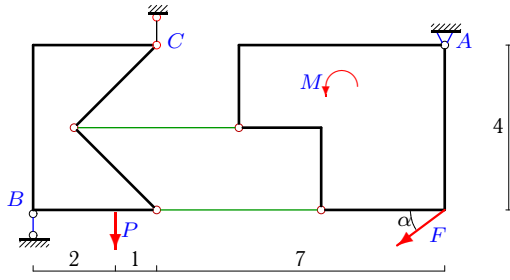
7



$F=10 \text{ кН}, P=1 \text{ кН}, M=66 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.17.**

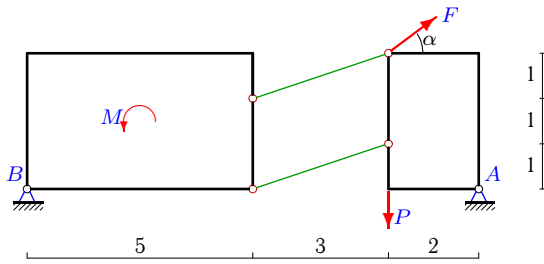
7



$F=20 \text{ кН}, P=1 \text{ кН}, M=54 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.19.**

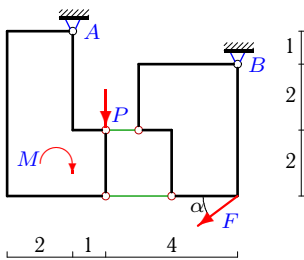
7



$F=5 \text{ кН}, P=3 \text{ кН}, M=32 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.21.**

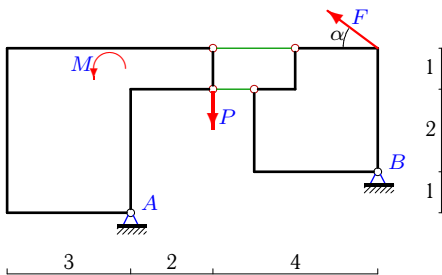
7



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

**Задача S32.23.**

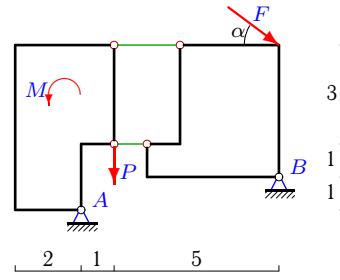
7



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

**Задача S32.18.**

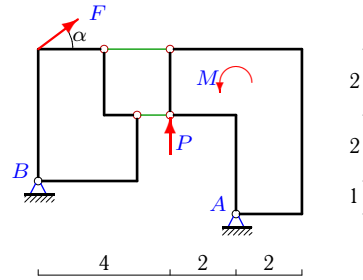
7



$F=10 \text{ кН}, P=1 \text{ кН}, M=7 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.20.**

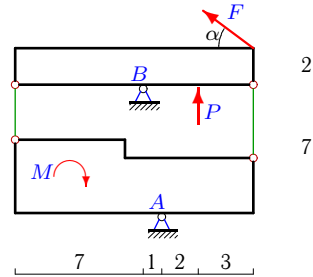
7



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

**Задача S32.22.**

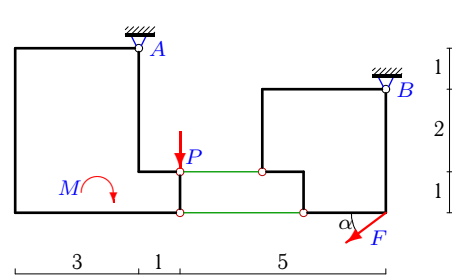
7



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

**Задача S32.24.**

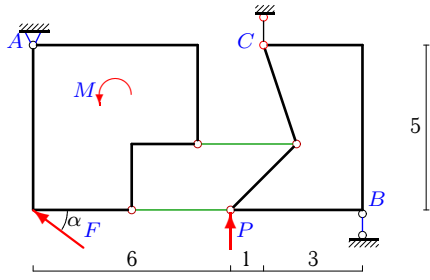
7



$F=5 \text{ кН}, P=3 \text{ кН}, M=1 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.25.**

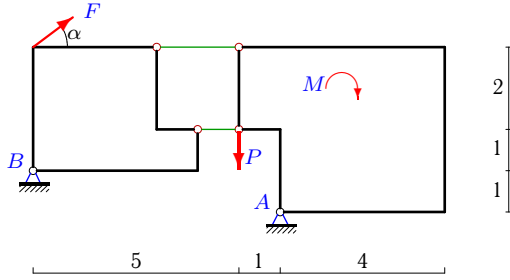
7



$F=10 \text{ кН}, P=1 \text{ кН}, M=50 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.27.**

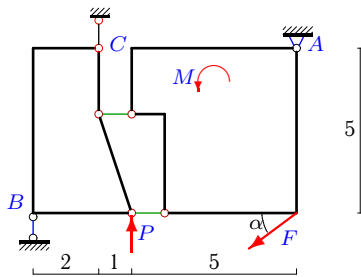
7



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

**Задача S32.29.**

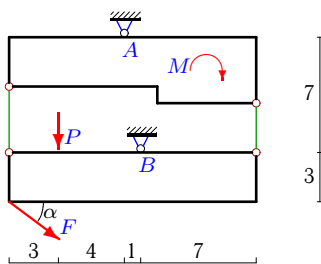
7



$F=10 \text{ кН}, P=1 \text{ кН}, M=31 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.31.**

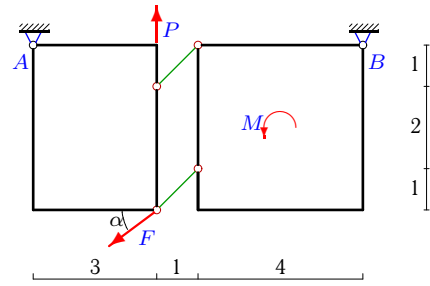
7



$F=25 \text{ кН}, P=6 \text{ кН}, M=202 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.26.**

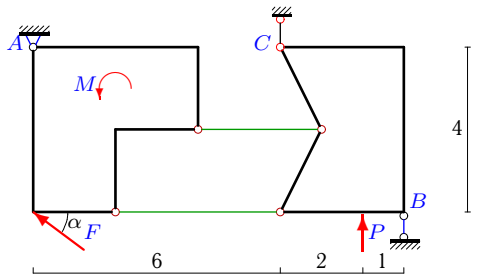
7



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

**Задача S32.28.**

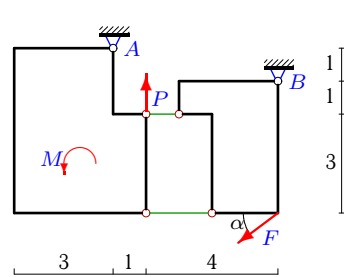
7



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

**Задача S32.30.**

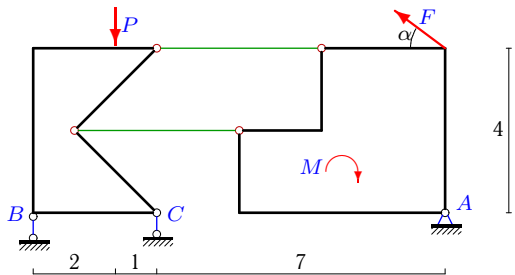
7



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

**Задача S32.32.**

7



$F=10 \text{ кН}, P=3 \text{ кН}, M=26 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

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

03.12.2011

	$X_A$	$Y_A$	$X_B$	$Y_B$	$Y_C$	
1	-10	-7	6	2	—	
2	0	32	-4	-29	—	
3	27	-2	-35	-6	—	
4	-40	-30	—	2	1	
5	21	-4	-25	5	—	
6	-40	-30	—	3	0	
7	-113	-6	133	-15	—	
8	0	4	4	-13	—	
9	4	-3	—	5	-2	
10	0	20	20	-41	—	
11	-14	3	6	-3	—	
12	-20	9	16	-4	—	
13	-16	-1	24	-6	—	
14	0	-4	4	9	—	
15	-4	3	-4	2	—	
16	11	-8	-3	3	—	
17	16	12	—	-3	-4	
18	26	1	-34	6	—	
19	-10	-2	6	2	—	
20	33	-1	-41	-6	—	
21	-25	2	29	3	—	
22	0	9	4	-13	—	
23	-57	2	77	-15	—	
24	-16	3	20	3	—	
25	8	-6	—	-3	-2	
26	8	5	-4	-4	—	
27	65	2	-85	-15	—	
28	8	-6	—	-3	-2	
29	8	6	—	-4	-3	
30	-14	-1	18	3	—	
31	0	8	-20	13	—	
32	8	-6	—	3	0	

S32 файл о32s7A