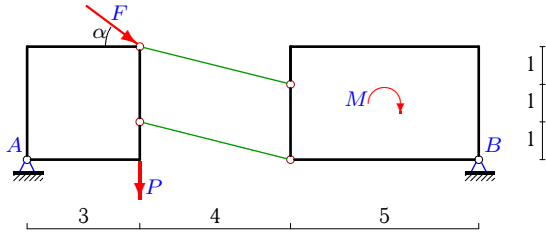


## Две пластины, соединенные стержнями

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

**Задача S32.1.**

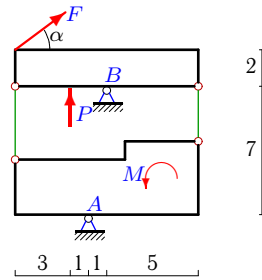
8



$$F=5 \text{ кН}, P=2 \text{ кН}, M=9 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

**Задача S32.2.**

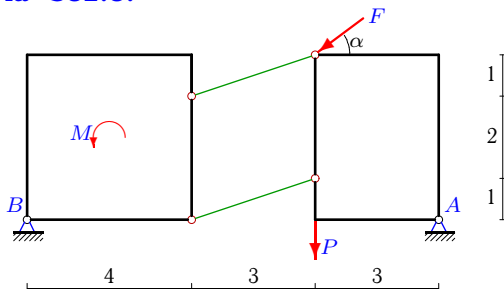
8



$$F=5 \text{ кН}, P=2 \text{ кН}, M=37 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

**Задача S32.3.**

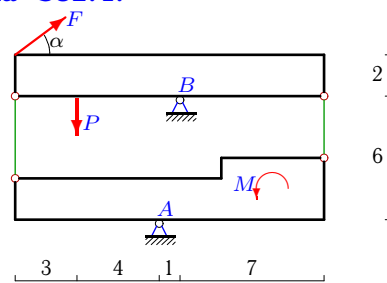
8



$$F=5 \text{ кН}, P=2 \text{ кН}, M=9 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

**Задача S32.4.**

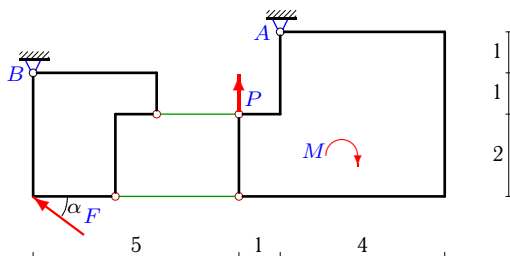
8



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

**Задача S32.5.**

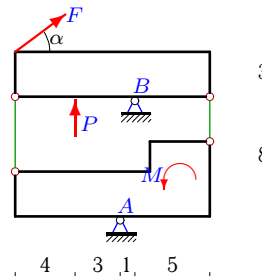
8



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

**Задача S32.6.**

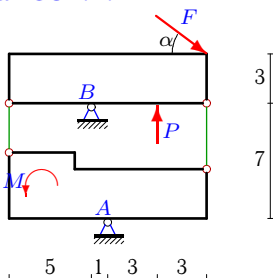
8



$$F=5 \text{ кН}, P=1 \text{ кН}, M=45 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

**Задача S32.7.**

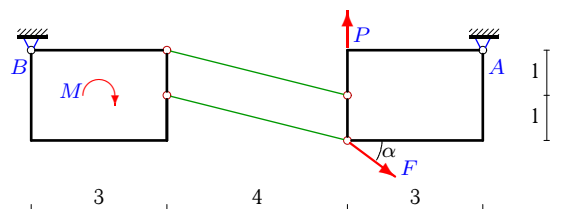
8



$$F=10 \text{ кН}, P=6 \text{ кН}, M=79 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

**Задача S32.8.**

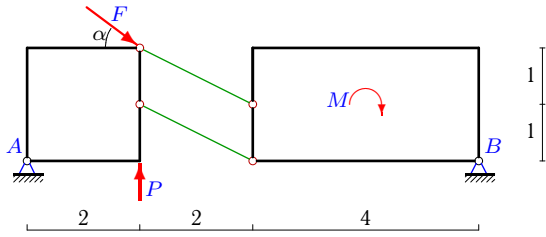
8



$$F=5 \text{ кН}, P=3 \text{ кН}, M=38 \text{ кНм}, \cos \alpha = \frac{4}{5}.$$

**Задача S32.9.**

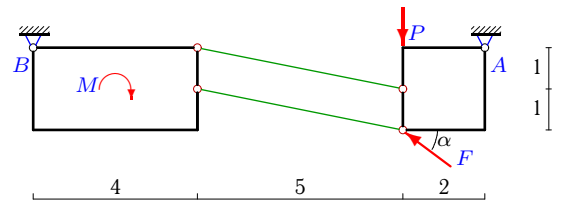
8



$F=10 \text{ кН}, P=1 \text{ кН}, M=14 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.10.**

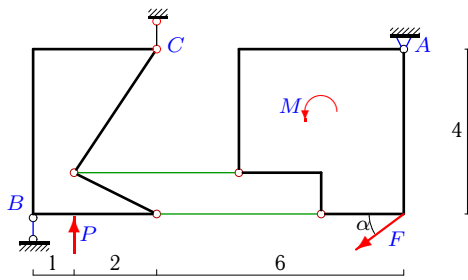
8



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

**Задача S32.11.**

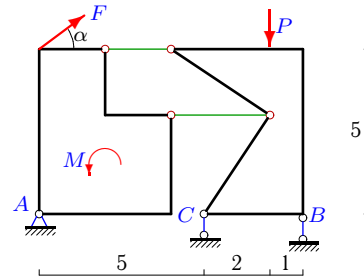
8



$F=20 \text{ кН}, P=3 \text{ кН}, M=55 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.12.**

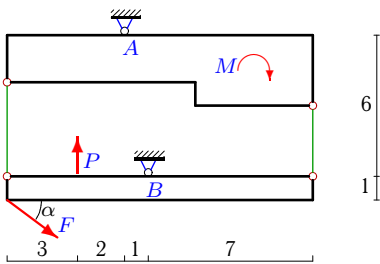
8



$F=20 \text{ кН}, P=3 \text{ кН}, M=83 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.13.**

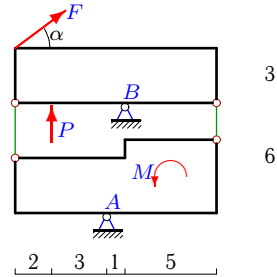
8



$F=25 \text{ кН}, P=2 \text{ кН}, M=142 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.14.**

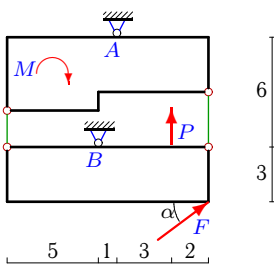
8



$F=25 \text{ кН}, P=6 \text{ кН}, M=180 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.15.**

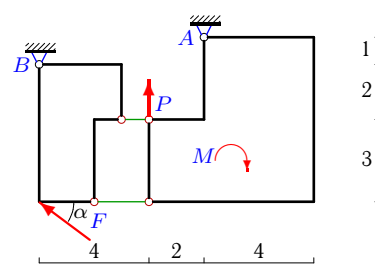
8



$F=5 \text{ кН}, P=2 \text{ кН}, M=36 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.16.**

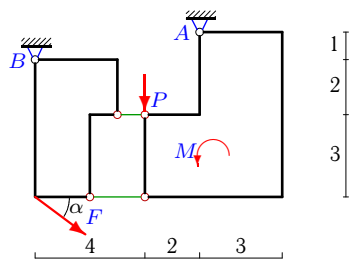
8



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

**Задача S32.17.**

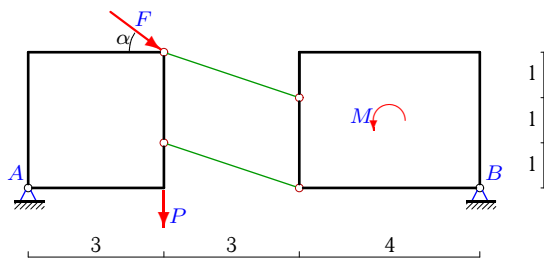
8



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

**Задача S32.18.**

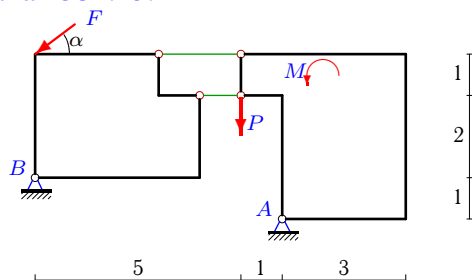
8



$F=5 \text{ кН}, P=3 \text{ кН}, M=20 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.19.**

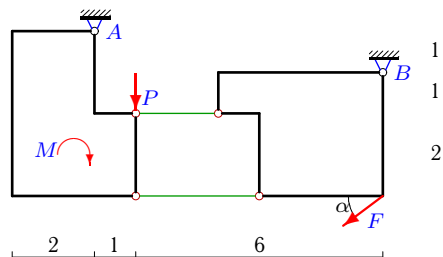
8



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

**Задача S32.20.**

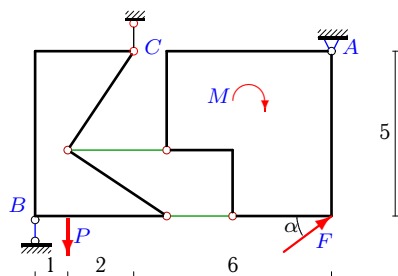
8



$F=25 \text{ кН}, P=1 \text{ кН}, M=7 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.21.**

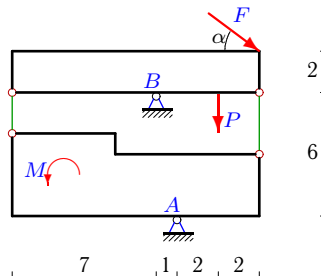
8



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

**Задача S32.22.**

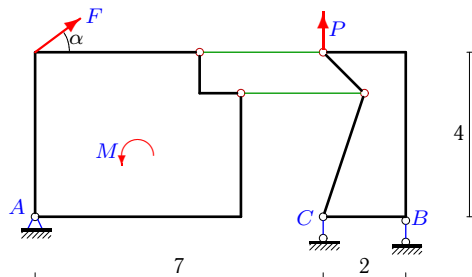
8



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

**Задача S32.23.**

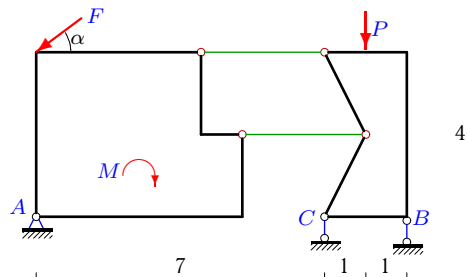
8



$F=5 \text{ кН}, P=1 \text{ кН}, M=12 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.24.**

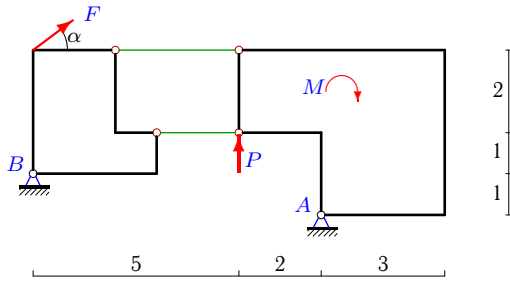
8



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

**Задача S32.25.**

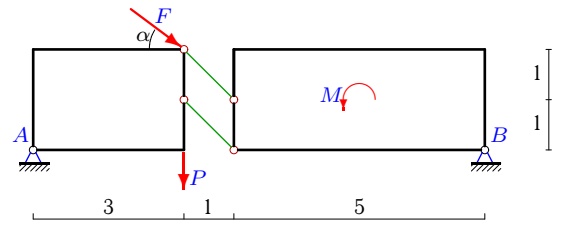
8



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

**Задача S32.26.**

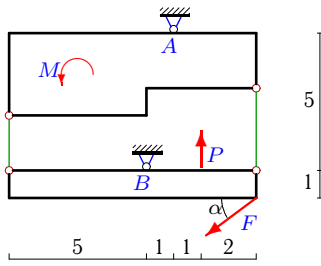
8



$F=10 \text{ кН}, P=2 \text{ кН}, M=13 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.27.**

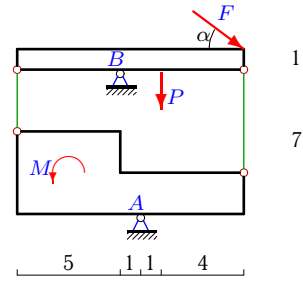
8



$F=25 \text{ кН}, P=1 \text{ кН}, M=120 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.28.**

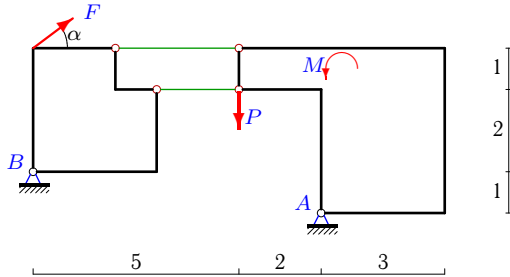
8



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

**Задача S32.29.**

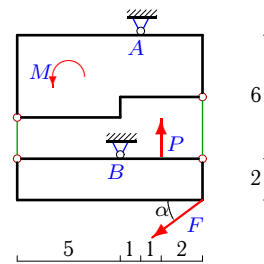
8



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

**Задача S32.30.**

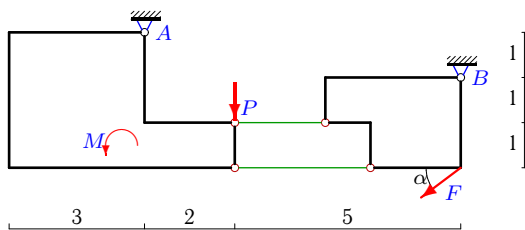
8



$F=10 \text{ кН}, P=1 \text{ кН}, M=64 \text{ кНм}, \cos \alpha = \frac{4}{5}.$

**Задача S32.31.**

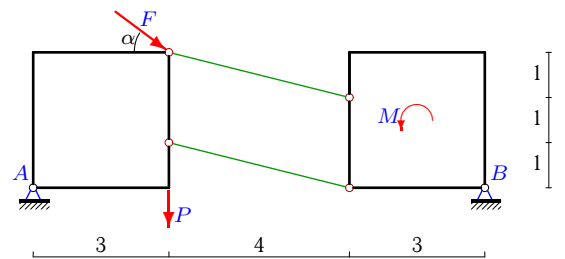
8



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

**Задача S32.32.**

8



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

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

03.12.2011

	$X_A$	$Y_A$	$X_B$	$Y_B$	$Y_C$	
1	8	2	-12	3	—	
2	0	10	-4	-15	—	
3	-8	1	12	4	—	
4	0	7	-20	-21	—	
5	-14	-1	18	-3	—	
6	0	5	-4	-9	—	
7	0	-37	-8	37	—	
8	-16	3	12	-3	—	
9	2	0	-10	5	—	
10	-7	-2	15	-3	—	
11	16	12	—	-5	-2	
12	-16	-12	—	1	2	
13	0	-38	-20	51	—	
14	0	6	-20	-27	—	
15	0	-2	-4	-3	—	
16	-23	-1	27	-3	—	
17	49	1	-57	6	—	
18	-1	5	-3	1	—	
19	-27	1	35	6	—	
20	-68	1	88	15	—	
21	-4	-3	—	-3	-4	
22	0	-2	-4	7	—	
23	-4	-3	—	2	-3	
24	4	3	—	4	-1	
25	17	-2	-21	-3	—	
26	-5	5	-3	3	—	
27	0	-42	20	56	—	
28	0	-4	-4	9	—	
29	54	2	-74	-15	—	
30	0	-26	8	31	—	
31	-19	6	23	3	—	
32	8	3	-16	4	—	

S32 файл о32s8A