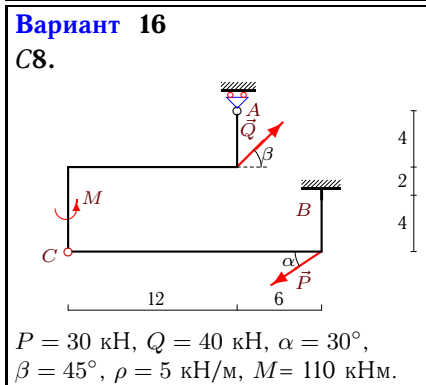
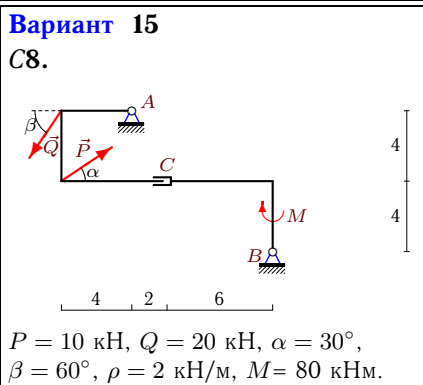
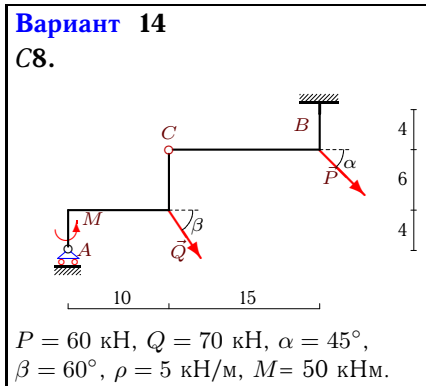
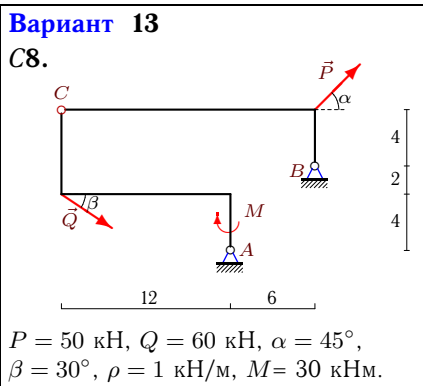
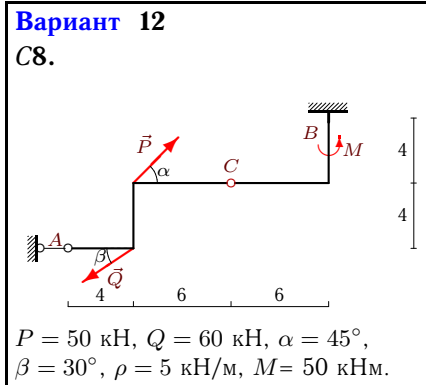
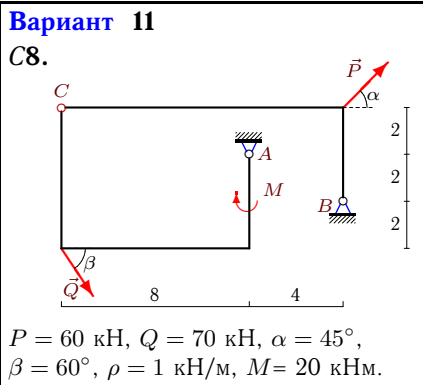
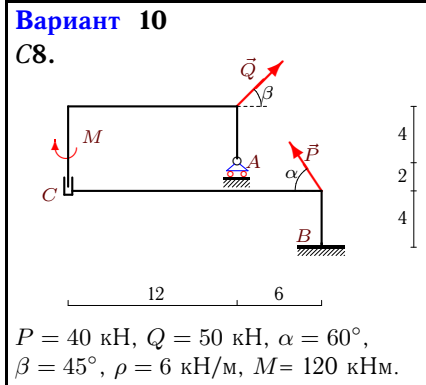
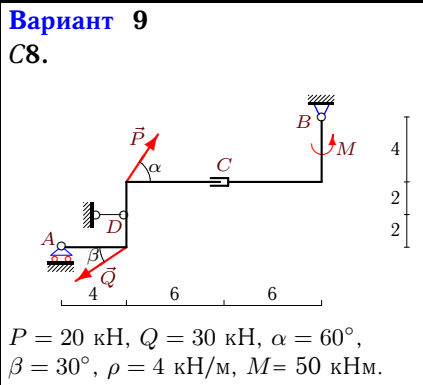


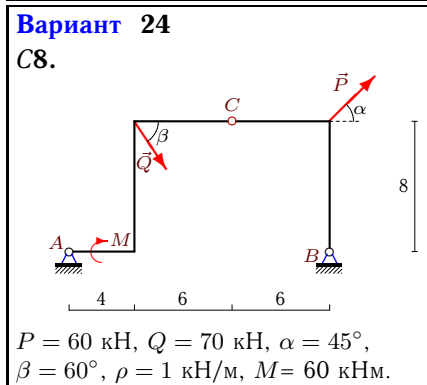
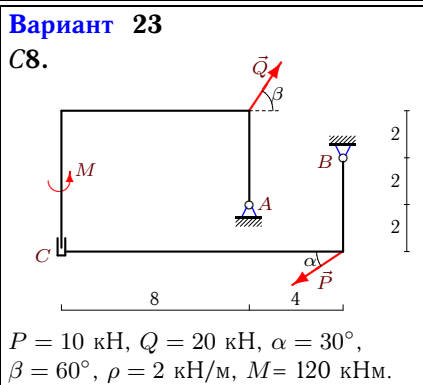
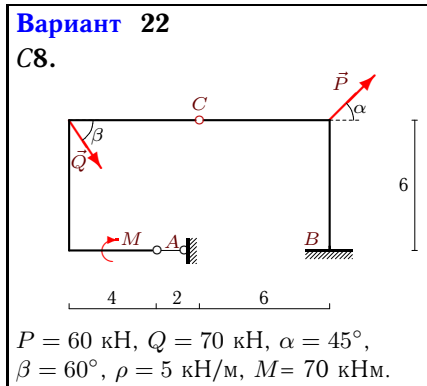
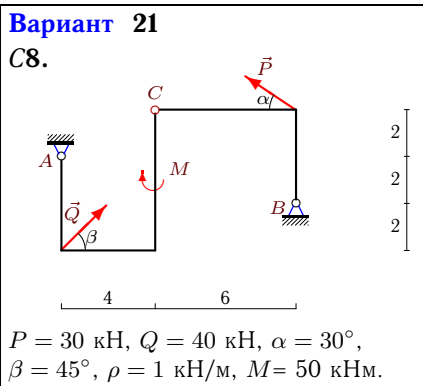
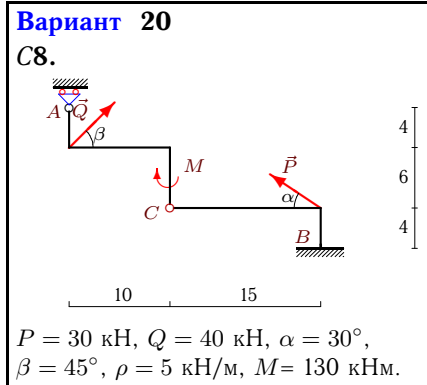
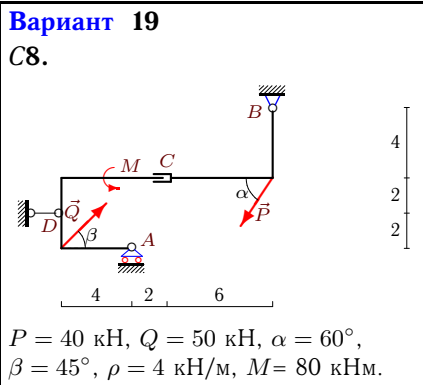
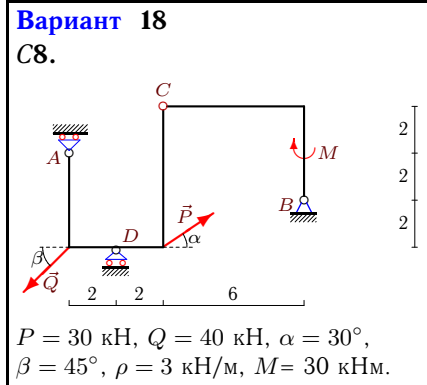
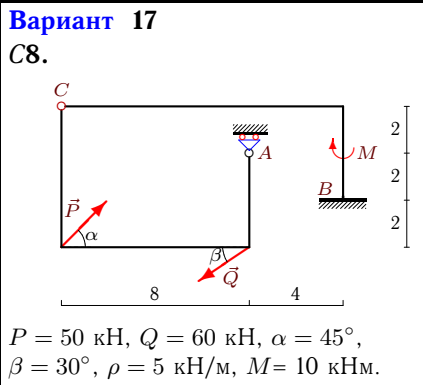
Расчет составной конструкции

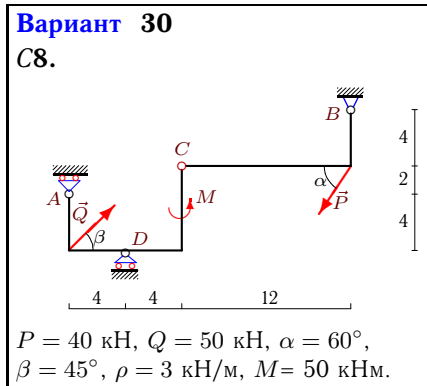
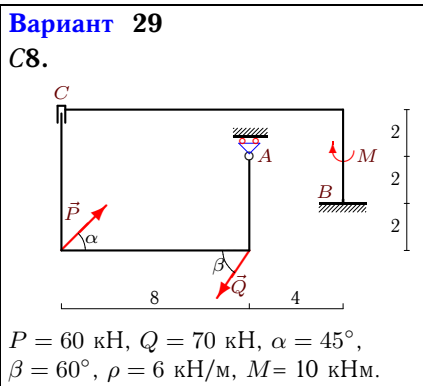
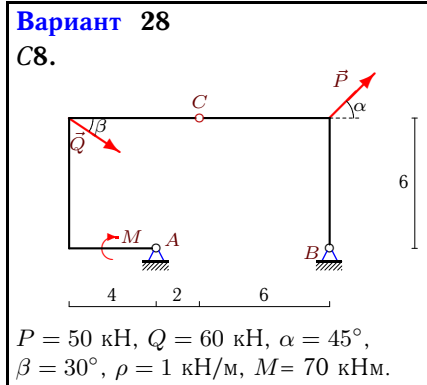
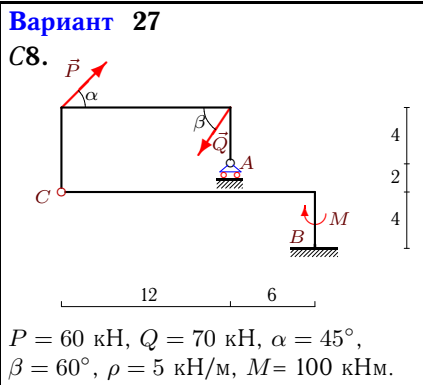
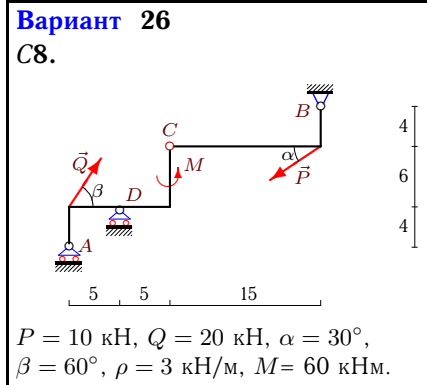
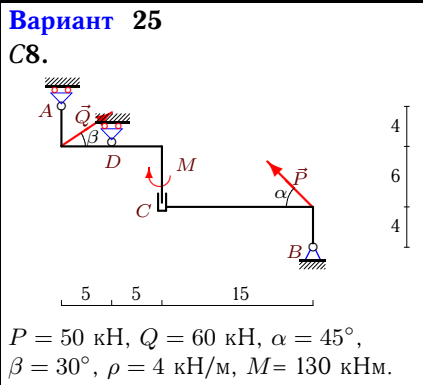
Рама состоит из двух частей, соединенных шарниром или скользящей заделкой. Дан погонный вес рамы ρ , размеры в метрах и нагрузки. Найти реакции опор.

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<p>Вариант 1 С8.</p> <p>$P = 50 \text{ кН}, Q = 60 \text{ кН}, \alpha = 45^\circ,$ $\beta = 30^\circ, \rho = 4 \text{ кН/м}, M = 80 \text{ кНм}.$</p>	<p>Вариант 2 С8.</p> <p>$P = 20 \text{ кН}, Q = 30 \text{ кН}, \alpha = 60^\circ,$ $\beta = 30^\circ, \rho = 3 \text{ кН/м}, M = 110 \text{ кНм}.$</p>
<p>Вариант 3 С8.</p> <p>$P = 40 \text{ кН}, Q = 50 \text{ кН}, \alpha = 60^\circ,$ $\beta = 45^\circ, \rho = 1 \text{ кН/м}, M = 50 \text{ кНм}.$</p>	<p>Вариант 4 С8.</p> <p>$P = 60 \text{ кН}, Q = 70 \text{ кН}, \alpha = 45^\circ,$ $\beta = 60^\circ, \rho = 6 \text{ кН/м}, M = 20 \text{ кНм}.$</p>
<p>Вариант 5 С8.</p> <p>$P = 40 \text{ кН}, Q = 50 \text{ кН}, \alpha = 60^\circ,$ $\beta = 45^\circ, \rho = 1 \text{ кН/м}, M = 70 \text{ кНм}.$</p>	<p>Вариант 6 С8.</p> <p>$P = 20 \text{ кН}, Q = 30 \text{ кН}, \alpha = 60^\circ,$ $\beta = 30^\circ, \rho = 6 \text{ кН/м}, M = 100 \text{ кНм}.$</p>
<p>Вариант 7 С8.</p> <p>$P = 20 \text{ кН}, Q = 30 \text{ кН}, \alpha = 60^\circ,$ $\beta = 30^\circ, \rho = 5 \text{ кН/м}, M = 140 \text{ кНм}.$</p>	<p>Вариант 8 С8.</p> <p>$P = 20 \text{ кН}, Q = 30 \text{ кН}, \alpha = 60^\circ,$ $\beta = 30^\circ, \rho = 6 \text{ кН/м}, M = 50 \text{ кНм}.$</p>







Ответы

	X_A	Y_A	X_B	Y_B	X_D	Y_D	M_B
1	—	126.71	0	-20.07	16.6	—	—
2	—	28.45	15.98	26.16	—	45.07	—
3	24.33	1.41	-8.98	31.3	—	—	—
4	—	150.2	-7.43	132	—	—	-1321.74
5	57.93	30.5	-73.28	-7.21	—	—	—
6	—	183	-35.98	168.68	—	—	-3677.2
7	—	-11.99	-15.98	149.67	—	—	-1339.9
8	—	123	-35.98	78.68	—	—	206.04
9	—	40.89	0	52.8	15.98	—	—
10	—	96.64	-15.36	97.36	—	—	-1442.45
11	894.76	-239.44	-972.18	291.63	—	—	—
12	-32.5	—	49.11	114.64	—	—	-331.42
13	-90.13	61.62	2.8	-22.98	—	—	—
14	—	71	-77.43	227.05	—	—	-2216.53
15	1.34	52.81	0	7.5	—	—	—
16	—	26.7	-2.3	180.02	—	—	-1809.66
17	—	82.45	16.6	82.2	—	—	-442.7
18	—	24.84	2.3	24.46	—	35.98	—
19	—	35.8	20	59.48	-35.36	—	—
20	—	-13.25	-2.3	164.97	—	—	-1827.84
21	-17.54	-1.13	15.24	-18.16	—	—	—
22	-107.29	—	29.86	158.2	—	—	-1112.9
23	-184.68	18.68	183.34	37	—	—	—
24	-28.96	17	-48.46	33.2	—	—	—
25	—	-49.64	-16.6	40.64	—	99.64	—
26	—	-22.18	-1.34	39.14	—	87.71	—
27	—	114.33	-7.43	123.86	—	—	-929.78
28	-32.08	-6.24	-55.24	28.88	—	—	—
29	—	126.2	-7.43	96	—	—	-577.44
30	—	1.06	-15.36	59.52	—	40.7	—