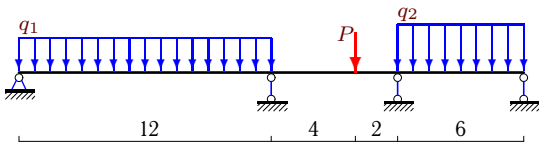


Многопролетная неразрезная балка

Построить эпюры моментов и перерезывающих сил в многопролетной балке.

Задача 10.1.

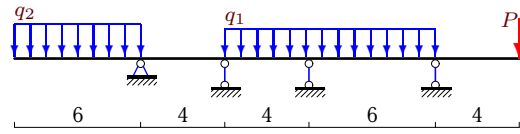
2



$q_1 = 4 \text{ кН/м}, q_2 = 9 \text{ кН/м}, P = 12 \text{ кН}$

Задача 10.2.

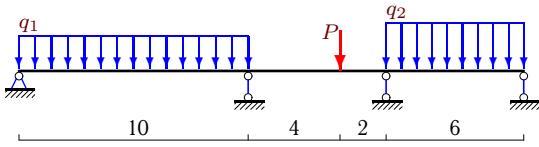
2



$q_1 = 2 \text{ кН/м}, q_2 = 4 \text{ кН/м}, P = 13 \text{ кН}$

Задача 10.3.

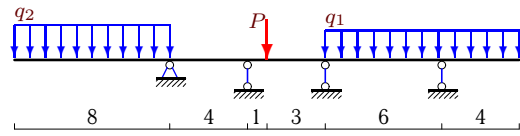
2



$q_1 = 4 \text{ кН/м}, q_2 = 9 \text{ кН/м}, P = 12 \text{ кН}$

Задача 10.4.

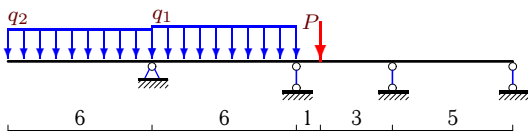
2



$q_1 = 2 \text{ кН/м}, q_2 = 4 \text{ кН/м}, P = 16 \text{ кН}$

Задача 10.5.

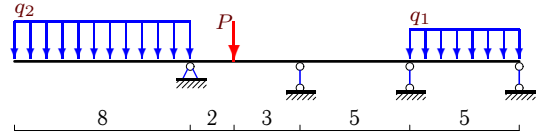
2



$q_1 = 4 \text{ кН/м}, q_2 = 3 \text{ кН/м}, P = 11 \text{ кН}$

Задача 10.6.

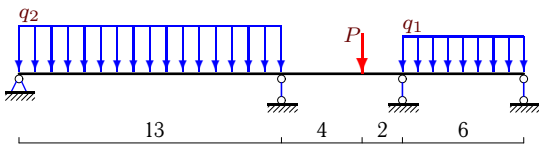
2



$q_1 = 3 \text{ кН/м}, q_2 = 6 \text{ кН/м}, P = 15 \text{ кН}$

Задача 10.7.

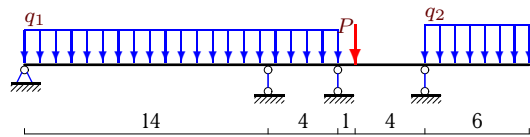
2



$q_1 = 5 \text{ кН/м}, q_2 = 9 \text{ кН/м}, P = 15 \text{ кН}$

Задача 10.8.

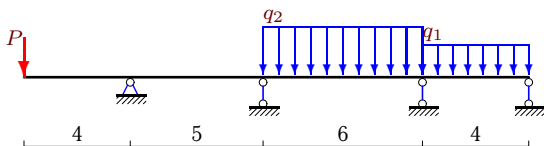
2



$q_1 = 4 \text{ кН/м}, q_2 = 6 \text{ кН/м}, P = 11 \text{ кН}$

Задача 10.9.

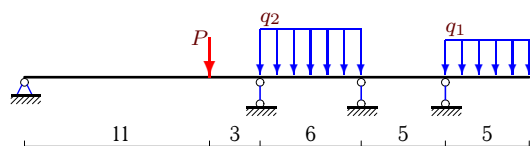
2



$q_1 = 3 \text{ кН/м}, q_2 = 10 \text{ кН/м}, P = 11 \text{ кН}$

Задача 10.10.

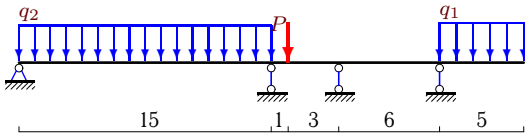
2



$q_1 = 5 \text{ кН/м}, q_2 = 9 \text{ кН/м}, P = 15 \text{ кН}$

Задача 10.11.

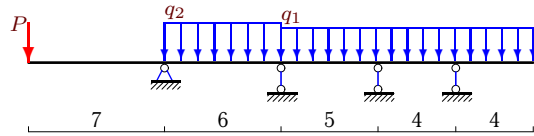
2



$q_1 = 6 \text{ кН/м}, q_2 = 5 \text{ кН/м}, P = 16 \text{ кН}$

Задача 10.12.

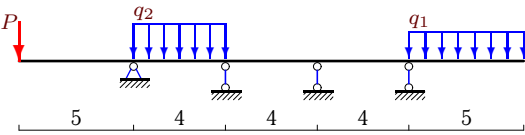
2



$q_1 = 4 \text{ кН/м}, q_2 = 6 \text{ кН/м}, P = 13 \text{ кН}$

Задача 10.13.

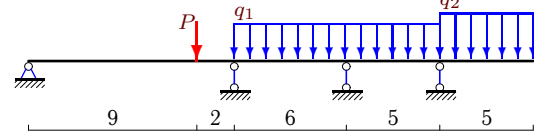
2



$q_1 = 2 \text{ кН/м}, q_2 = 5 \text{ кН/м}, P = 13 \text{ кН}$

Задача 10.14.

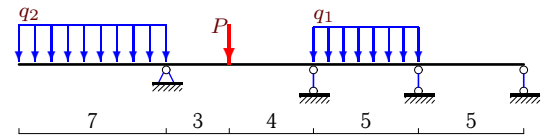
2



$q_1 = 5 \text{ кН/м}, q_2 = 9 \text{ кН/м}, P = 13 \text{ кН}$

Задача 10.15.

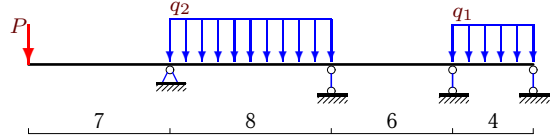
2



$q_1 = 5 \text{ кН/м}, q_2 = 6 \text{ кН/м}, P = 12 \text{ кН}$

Задача 10.16.

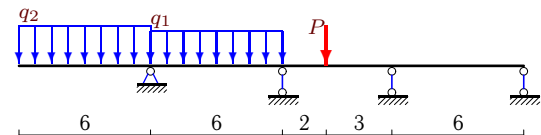
2



$q_1 = 6 \text{ кН/м}, q_2 = 8 \text{ кН/м}, P = 13 \text{ кН}$

Задача 10.17.

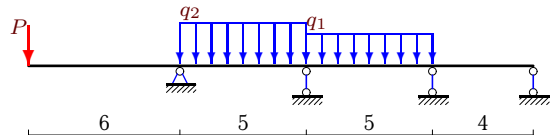
2



$q_1 = 4 \text{ кН/м}, q_2 = 6 \text{ кН/м}, P = 12 \text{ кН}$

Задача 10.18.

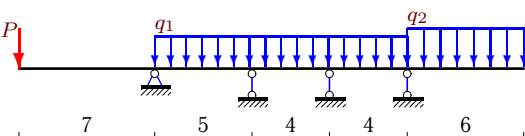
2



$q_1 = 3 \text{ кН/м}, q_2 = 7 \text{ кН/м}, P = 12 \text{ кН}$

Задача 10.19.

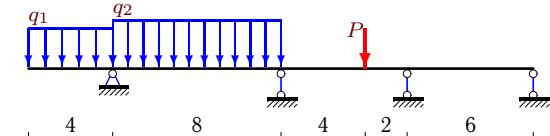
2



$q_1 = 3 \text{ кН/м}, q_2 = 6 \text{ кН/м}, P = 11 \text{ кН}$

Задача 10.20.

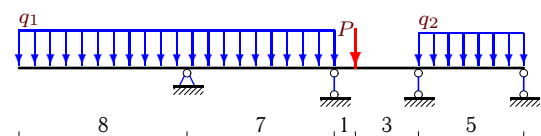
2



$q_1 = 6 \text{ кН/м}, q_2 = 9 \text{ кН/м}, P = 12 \text{ кН}$

Задача 10.21.

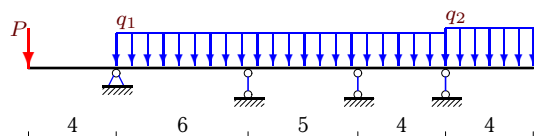
2



$q_1 = 5 \text{ кН/м}, q_2 = 4 \text{ кН/м}, P = 11 \text{ кН}$

Задача 10.22.

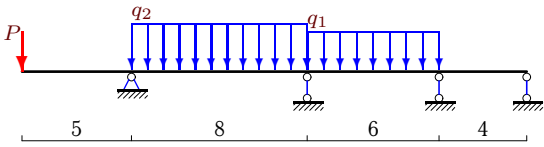
2



$q_1 = 4 \text{ кН/м}, q_2 = 6 \text{ кН/м}, P = 12 \text{ кН}$

Задача 10.23.

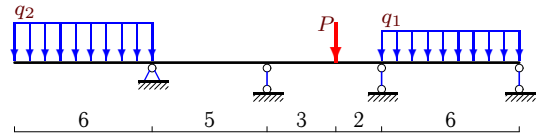
2



$q_1 = 6 \text{ кН/м}, q_2 = 9 \text{ кН/м}, P = 13 \text{ кН}$

Задача 10.24.

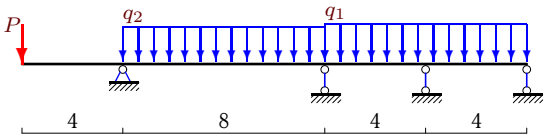
2



$q_1 = 3 \text{ кН/м}, q_2 = 6 \text{ кН/м}, P = 14 \text{ кН}$

Задача 10.25.

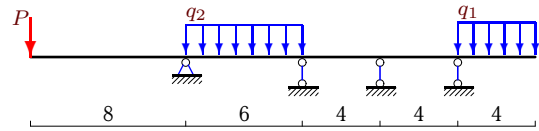
2



$q_1 = 6 \text{ кН/м}, q_2 = 5 \text{ кН/м}, P = 13 \text{ кН}$

Задача 10.26.

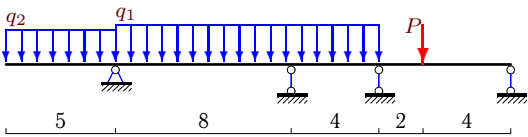
2



$q_1 = 4 \text{ кН/м}, q_2 = 3 \text{ кН/м}, P = 14 \text{ кН}$

Задача 10.27.

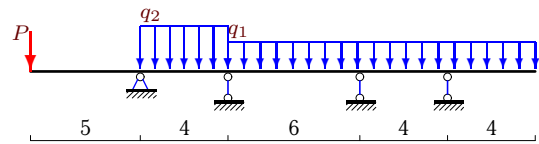
2



$q_1 = 6 \text{ кН/м}, q_2 = 4 \text{ кН/м}, P = 14 \text{ кН}$

Задача 10.28.

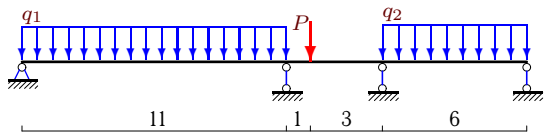
2



$q_1 = 2 \text{ кН/м}, q_2 = 8 \text{ кН/м}, P = 13 \text{ кН}$

Задача 10.29.

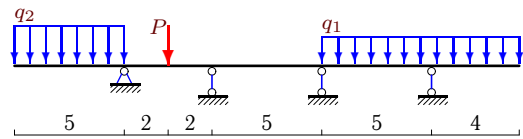
2



$q_1 = 4 \text{ кН/м}, q_2 = 5 \text{ кН/м}, P = 12 \text{ кН}$

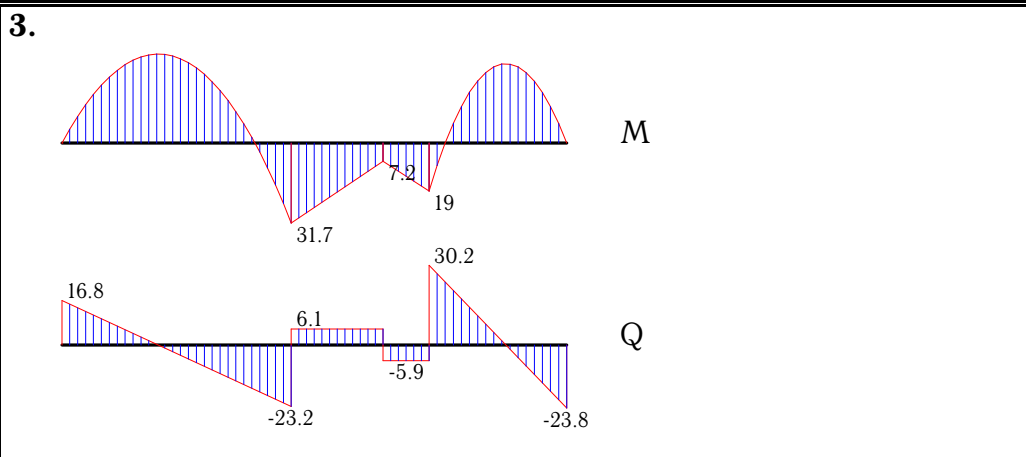
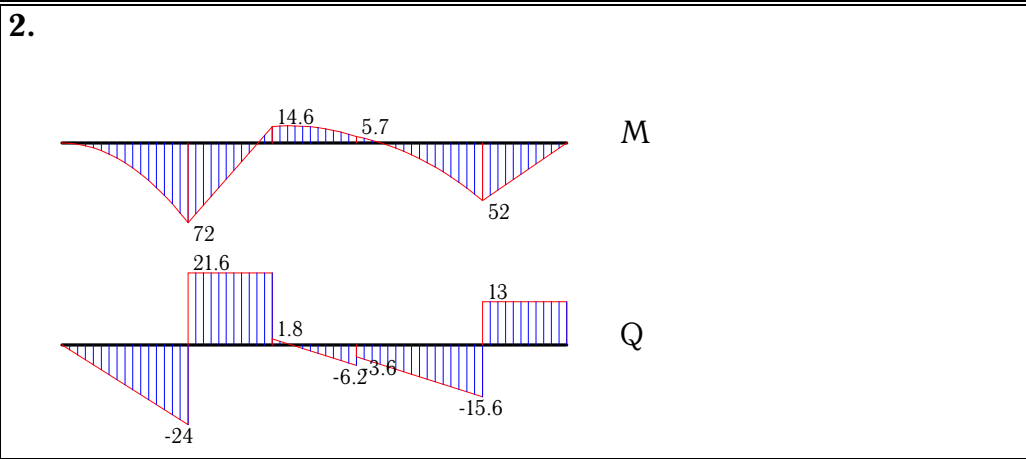
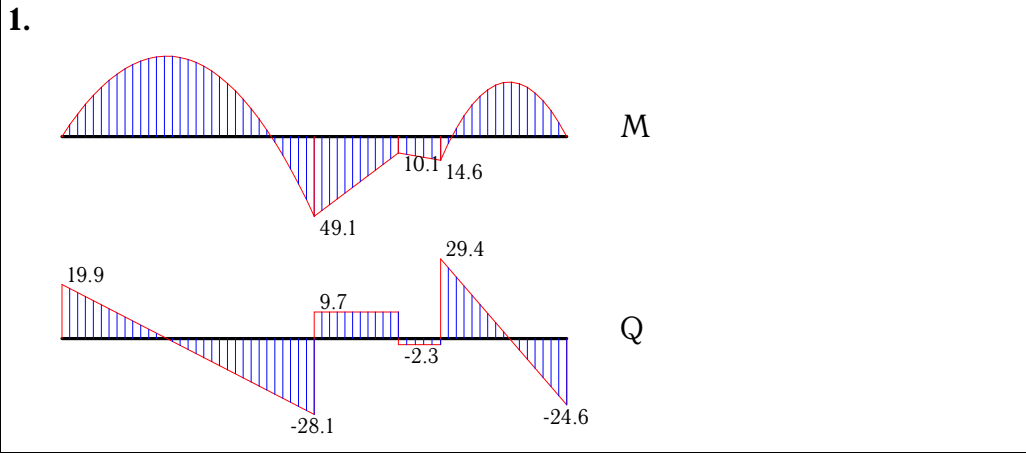
Задача 10.30.

2

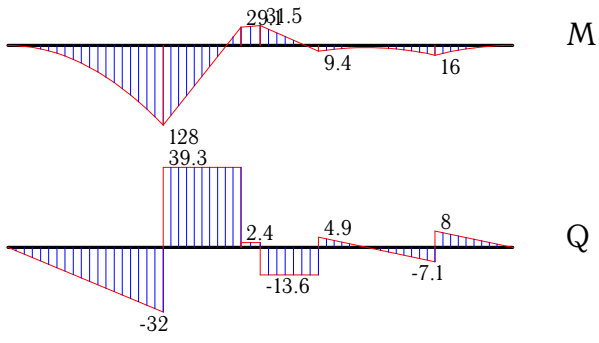


$q_1 = 2 \text{ кН/м}, q_2 = 6 \text{ кН/м}, P = 14 \text{ кН}$

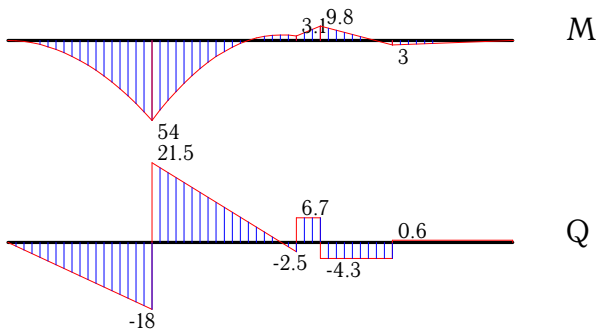
Многопролетная неразрезная балка



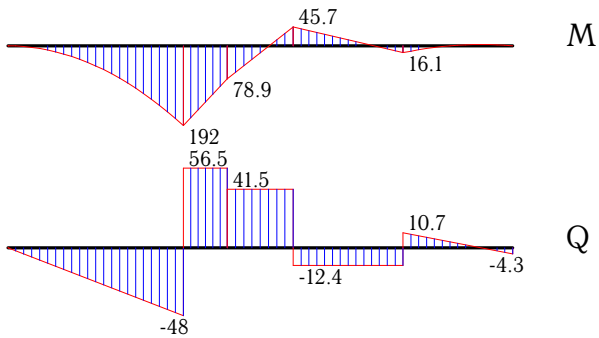
4.



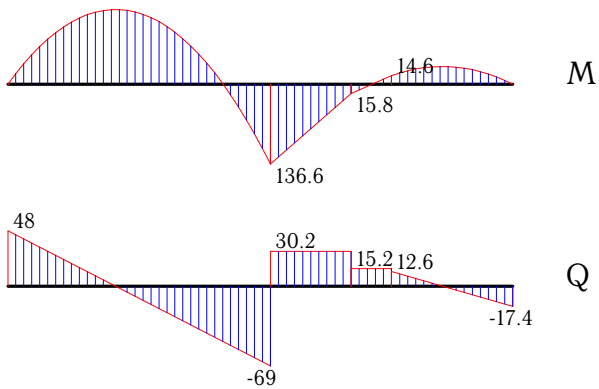
5.



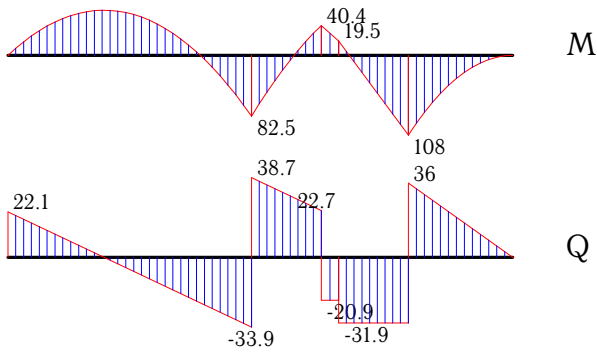
6.



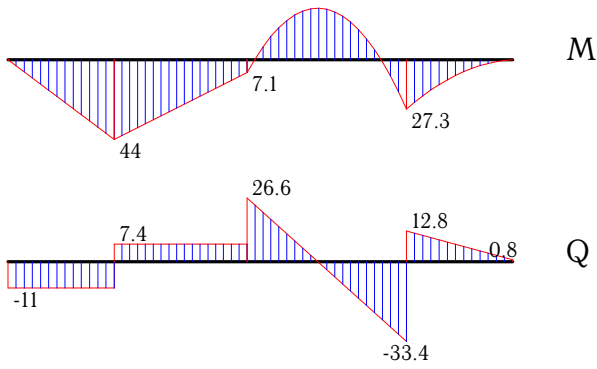
7.



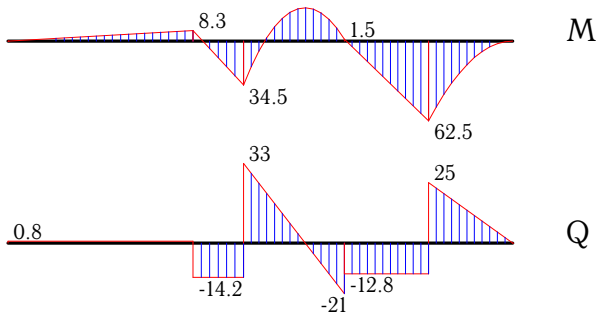
8.



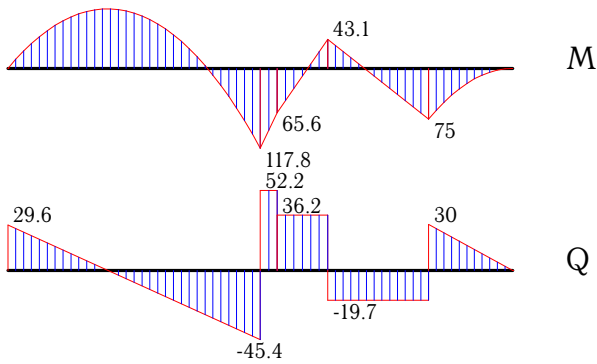
9.



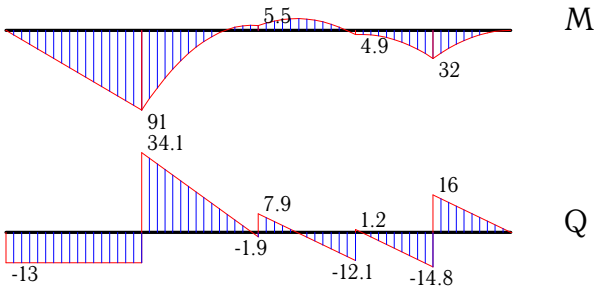
10.



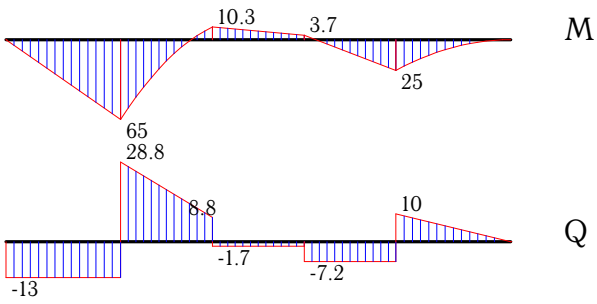
11.



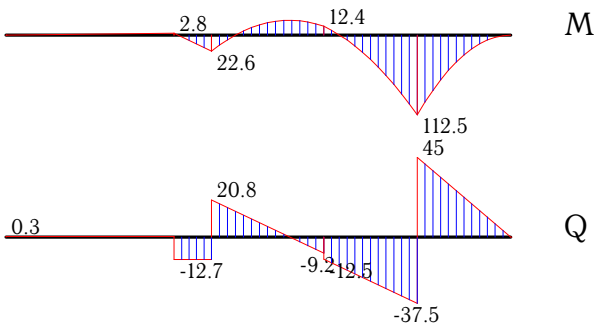
12.



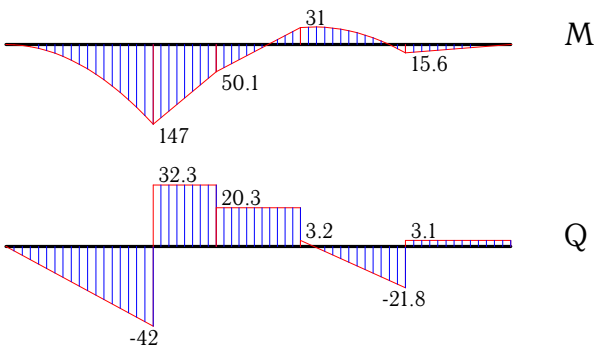
13.



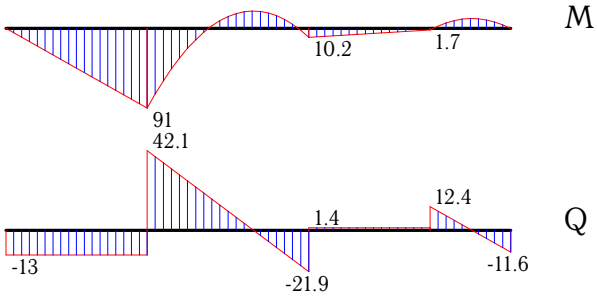
14.



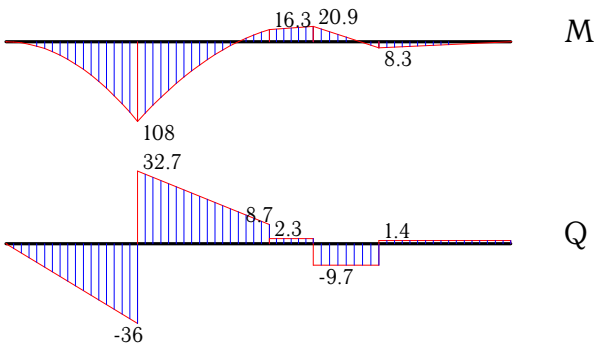
15.



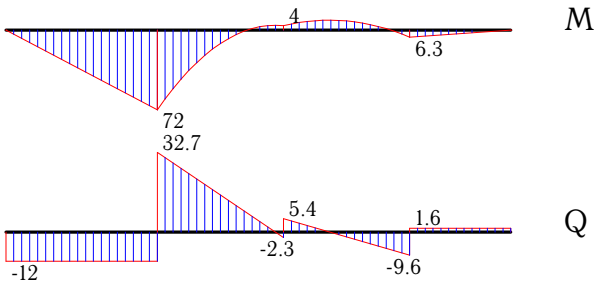
16.



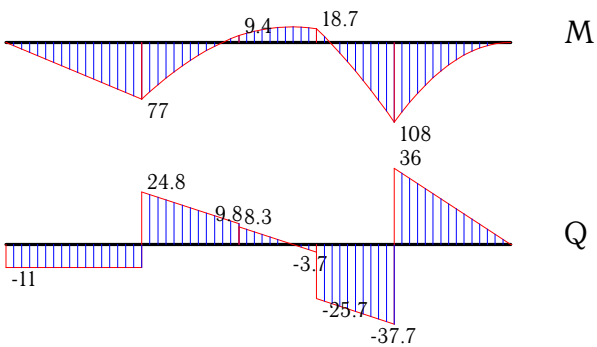
17.



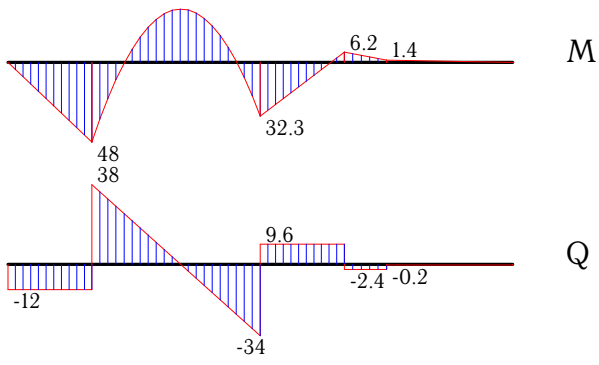
18.



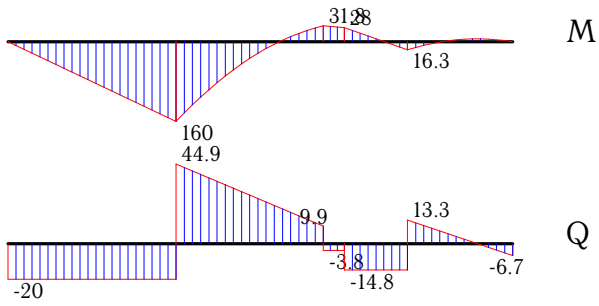
19.



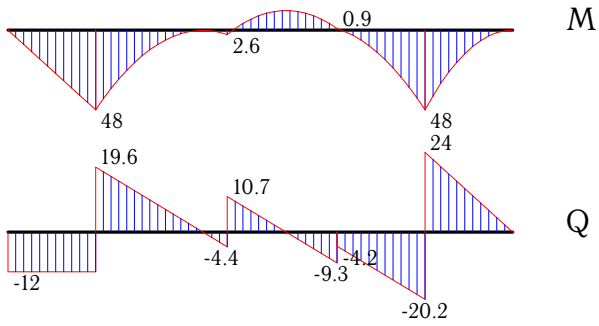
20.



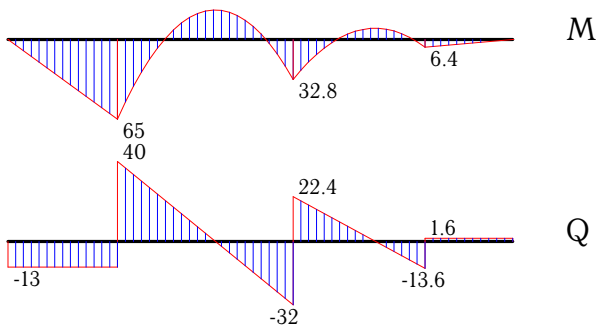
21.



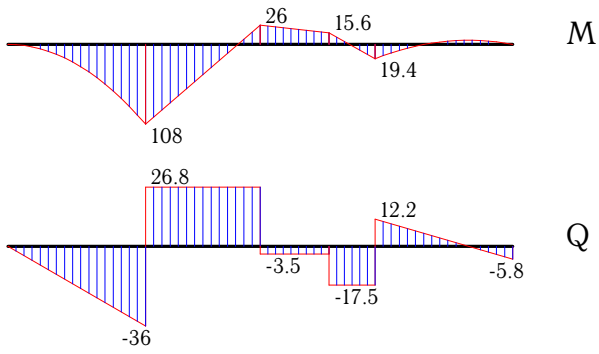
22.



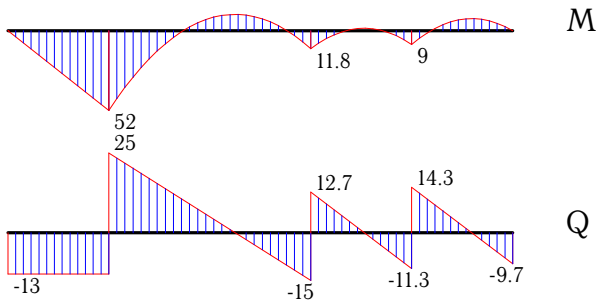
23.



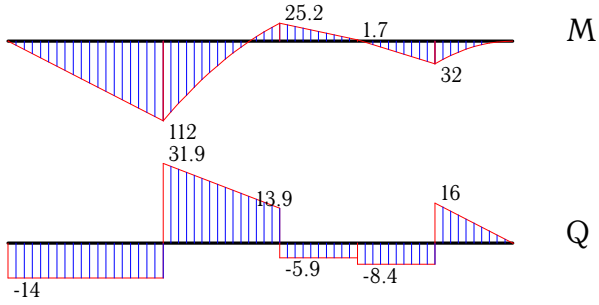
24.



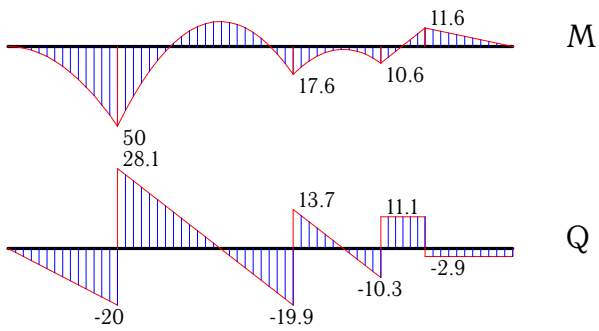
25.



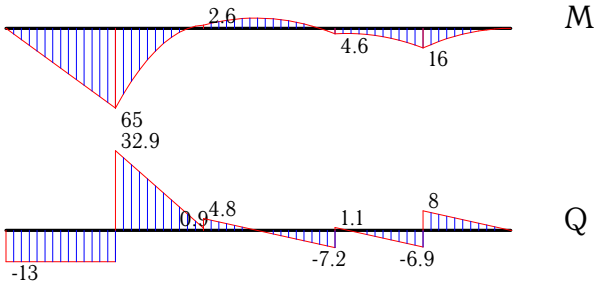
26.



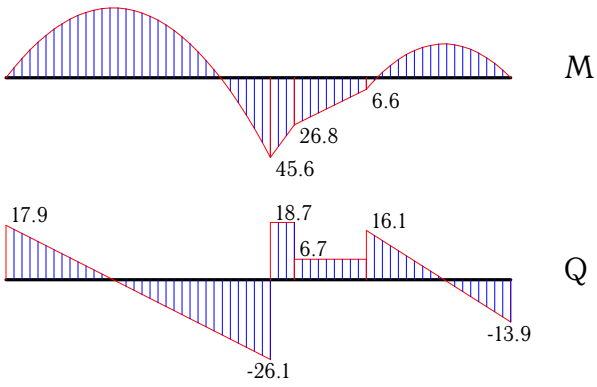
27.



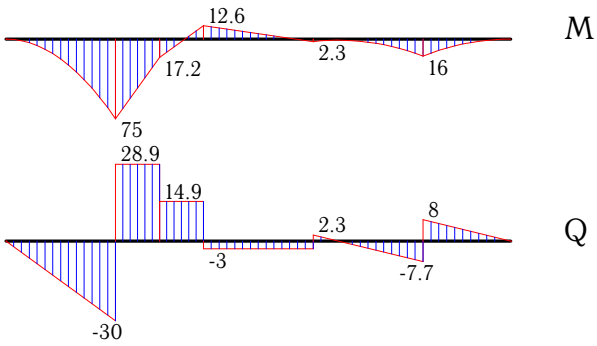
28.



29.



30.



	$a_{1,1}$	$a_{1,2}$	$a_{2,2}$	b_1	b_2	M_1	M_2
1	36	6	24	-1856.000	-646.000	-49.116	-14.638
2	16	4	20	256.000	172.000	14.579	5.684
3	32	6	24	-1128.000	-646.000	-31.689	-18.995
4	16	4	20	428.000	-72.000	29.105	-9.421
5	20	4	18	50.250	-41.250	3.109	-2.983
6	20	5	20	834.000	-93.750	45.730	-16.120
7	38	6	24	-5103.250	-470.000	-136.596	14.566
8	36	4	18	-2808.000	396.800	-82.486	40.375
9	22	6	20	-320.000	-588.000	-7.109	-27.267
10	40	6	22	-1369.929	-173.500	-34.476	1.516
11	38	4	20	-4302.750	390.000	-117.762	43.052
12	22	5	18	97.000	-61.000	5.528	-4.925
13	16	4	16	180.000	100.000	10.333	3.667
14	34	6	22	-695.455	136.250	-22.637	12.367
15	24	5	20	667.036	-156.250	31.037	-15.572
16	28	6	20	-296.000	-96.000	-10.198	-1.740
17	22	5	22	316.800	-100.800	16.282	-8.282
18	20	5	18	47.500	-93.750	3.951	-6.306
19	18	4	16	243.250	336.000	9.368	18.658
20	28	6	24	-896.000	-160.000	-32.302	1.409
21	22	4	18	633.500	-166.250	31.758	-16.293
22	22	5	18	-53.000	3.000	-2.612	0.892
23	28	6	20	-956.000	-324.000	-32.779	-6.366
24	20	5	22	422.400	-296.400	25.963	-19.373
25	24	4	16	-320.000	-192.000	-11.826	-9.043
26	20	4	16	510.000	128.000	25.158	1.711
27	24	4	20	-464.000	-282.667	-17.563	-10.621
28	20	6	20	24.000	-76.000	2.571	-4.571
29	30	4	20	-1394.000	-315.000	-45.582	-6.634
30	18	5	20	216.000	17.500	12.634	-2.284