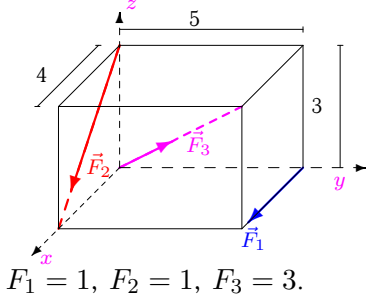


Момент силы относительно оси

Найти моменты сил относительно осей. Размеры на рисунках даны в м, силы — в Н.

Кирсанов М.Н. **Решебник. Теоретическая механика**/Под ред. А. И. Кириллова.— М.:ФИЗМАТЛИТ, 2002.— 384 с. (с. 91.)

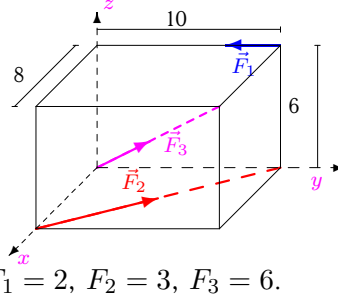
Задача 22.1



$F_1 = 1, F_2 = 1, F_3 = 3.$

22.2

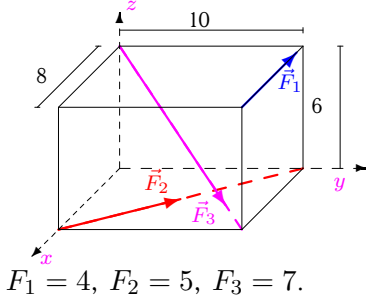
Задача 22.2



$F_1 = 2, F_2 = 3, F_3 = 6.$

22.2

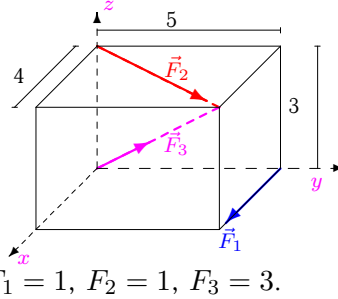
Задача 22.3



$F_1 = 4, F_2 = 5, F_3 = 7.$

22.2

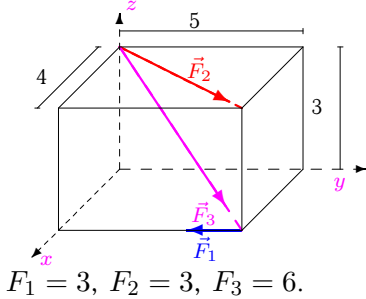
Задача 22.4



$F_1 = 1, F_2 = 1, F_3 = 3.$

22.2

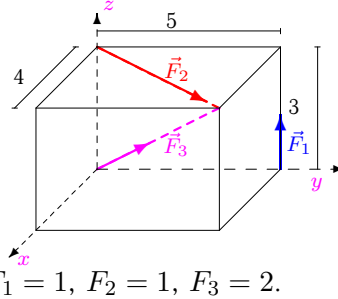
Задача 22.5



$F_1 = 3, F_2 = 3, F_3 = 6.$

22.2

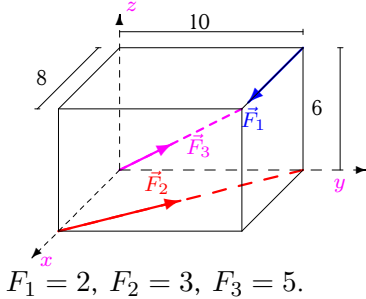
Задача 22.6



$F_1 = 1, F_2 = 1, F_3 = 2.$

22.2

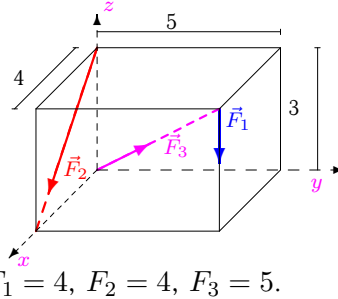
Задача 22.7



$F_1 = 2, F_2 = 3, F_3 = 5.$

22.2

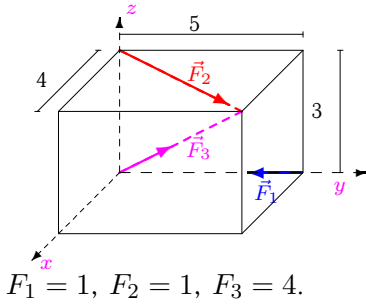
Задача 22.8



$F_1 = 4, F_2 = 4, F_3 = 5.$

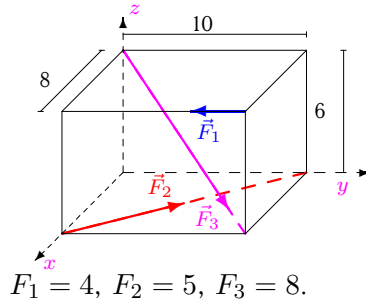
22.2

Задача 22.9



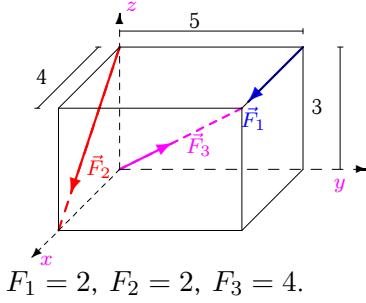
22.2

Задача 22.10



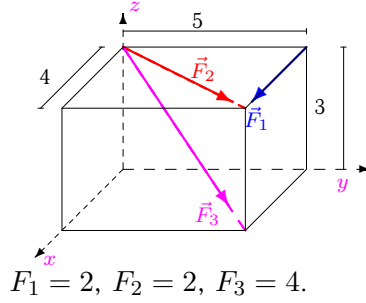
22.2

Задача 22.11



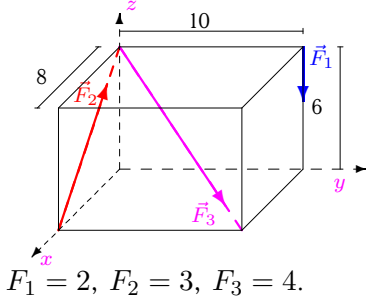
22.2

Задача 22.12



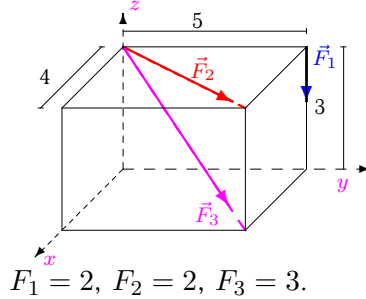
22.2

Задача 22.13



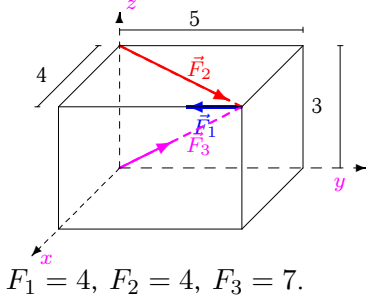
22.2

Задача 22.14



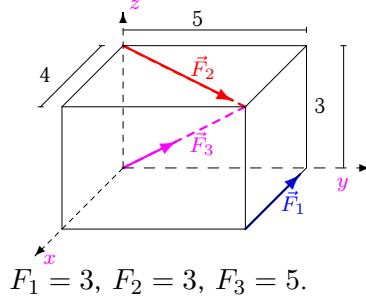
22.2

Задача 22.15



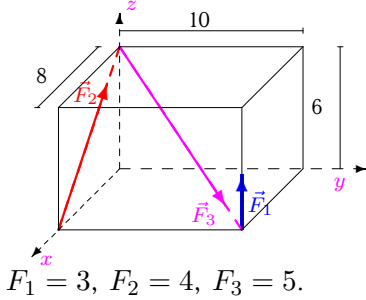
22.2

Задача 22.16



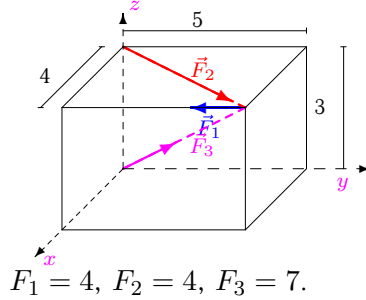
22.2

Задача 22.17



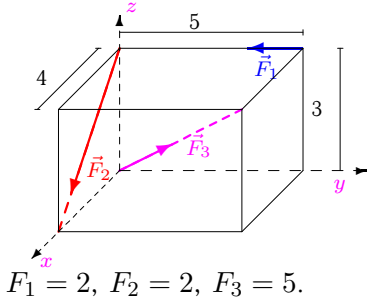
22.2

Задача 22.18



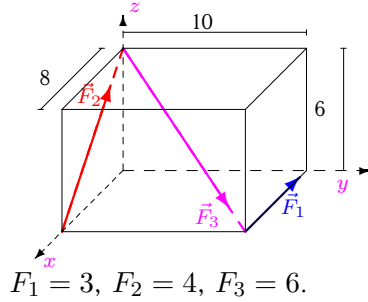
22.2

Задача 22.19



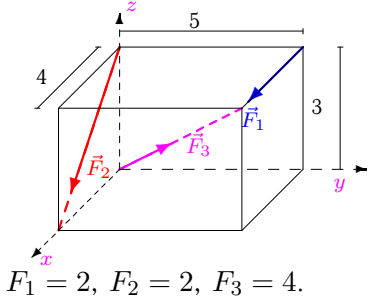
22.2

Задача 22.20



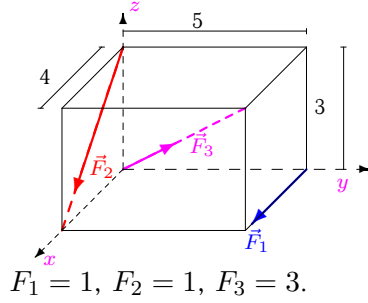
22.2

Задача 22.21



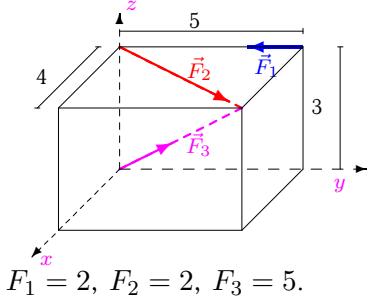
22.2

Задача 22.22



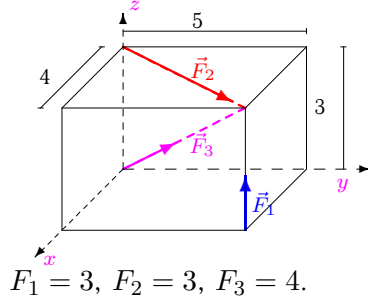
22.2

Задача 22.23



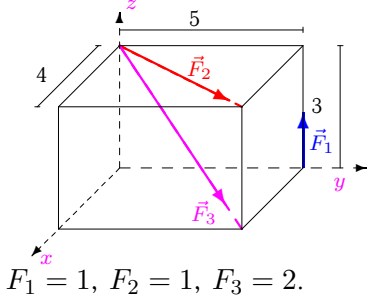
22.2

Задача 22.24



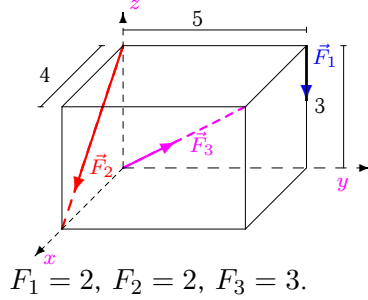
22.2

Задача 22.25



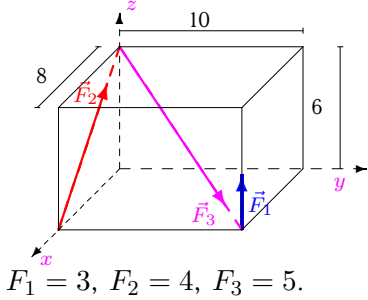
22.2

Задача 22.26



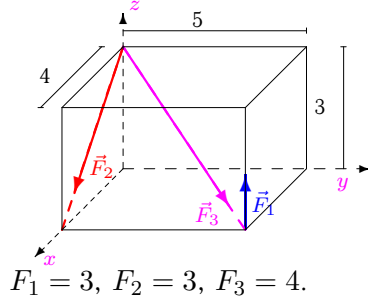
22.2

Задача 22.27



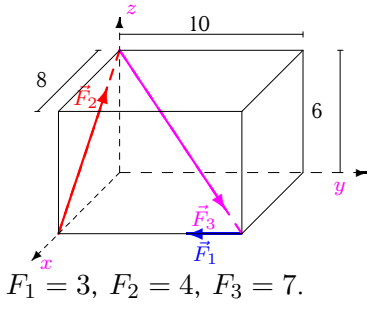
22.2

Задача 22.28



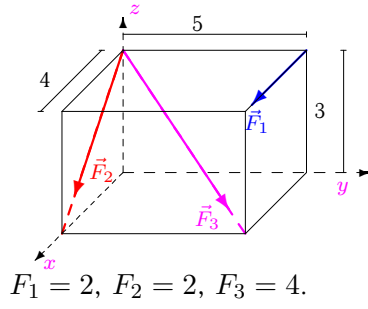
22.2

Задача 22.29



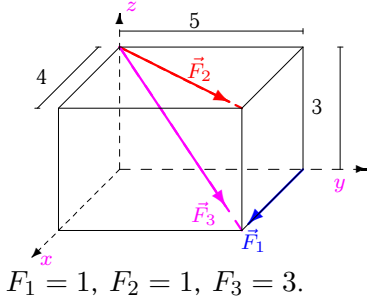
22.2

Задача 22.30



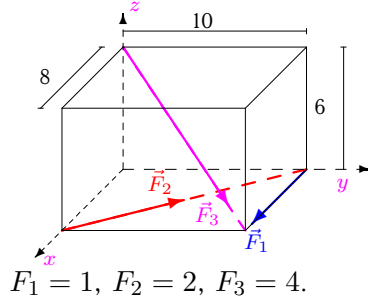
22.2

Задача 22.31



22.2

Задача 22.32



22.2

Момент силы относительно оси

	M_{1x}	M_{1y}	M_{1z}	M_{2x}	M_{2y}	M_{2z}	M_{3x}	M_{3y}	M_{3z}
1	0.000	0.000	-5.000	0.000	2.400	0.000	0.000	0.000	0.000
2	12.000	0.000	0.000	0.000	0.000	18.741	0.000	0.000	0.000
3	0.000	-24.000	40.000	0.000	0.000	31.235	-29.698	23.759	0.000
4	0.000	0.000	-5.000	-2.343	1.874	0.000	0.000	0.000	0.000
5	0.000	0.000	-12.000	-7.028	5.622	0.000	-12.728	10.182	0.000
6	5.000	0.000	0.000	-2.343	1.874	0.000	0.000	0.000	0.000
7	0.000	12.000	-20.000	0.000	0.000	18.741	0.000	0.000	0.000
8	-20.000	16.000	0.000	0.000	9.600	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	-2.343	1.874	0.000	0.000	0.000	0.000
10	24.000	0.000	-32.000	0.000	0.000	31.235	-33.941	27.153	0.000
11	0.000	6.000	-10.000	0.000	4.800	0.000	0.000	0.000	0.000
12	0.000	6.000	-10.000	-4.685	3.748	0.000	-8.485	6.788	0.000
13	-20.000	0.000	0.000	0.000	-14.400	0.000	-16.971	13.576	0.000
14	-10.000	0.000	0.000	-4.685	3.748	0.000	-6.364	5.091	0.000
15	12.000	0.000	-16.000	-9.370	7.496	0.000	0.000	0.000	0.000
16	0.000	0.000	15.000	-7.028	5.622	0.000	0.000	0.000	0.000
17	30.000	-24.000	0.000	0.000	-19.200	0.000	-21.213	16.971	0.000
18	12.000	0.000	-16.000	-9.370	7.496	0.000	0.000	0.000	0.000
19	6.000	0.000	0.000	0.000	4.800	0.000	0.000	0.000	0.000
20	0.000	0.000	30.000	0.000	-19.200	0.000	-25.456	20.365	0.000
21	0.000	6.000	-10.000	0.000	4.800	0.000	0.000	0.000	0.000
22	0.000	0.000	-5.000	0.000	2.400	0.000	0.000	0.000	0.000
23	6.000	0.000	0.000	-4.685	3.748	0.000	0.000	0.000	0.000
24	15.000	-12.000	0.000	-7.028	5.622	0.000	0.000	0.000	0.000
25	5.000	0.000	0.000	-2.343	1.874	0.000	-4.243	3.394	0.000
26	-10.000	0.000	0.000	0.000	4.800	0.000	0.000	0.000	0.000
27	30.000	-24.000	0.000	0.000	-19.200	0.000	-21.213	16.971	0.000
28	15.000	-12.000	0.000	0.000	7.200	0.000	-8.485	6.788	0.000
29	0.000	0.000	-24.000	0.000	-19.200	0.000	-29.698	23.759	0.000
30	0.000	6.000	-10.000	0.000	4.800	0.000	-8.485	6.788	0.000
31	0.000	0.000	-5.000	-2.343	1.874	0.000	-6.364	5.091	0.000
32	0.000	0.000	-10.000	0.000	0.000	12.494	-16.971	13.576	0.000