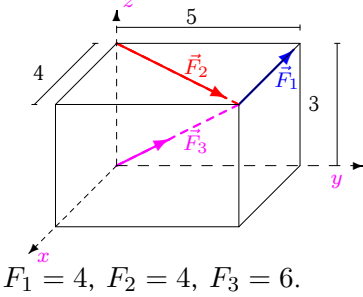


Момент силы относительно оси

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.)

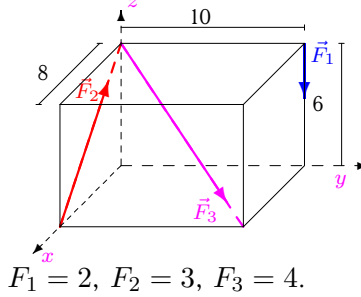
Задача 22.1



$$F_1 = 4, F_2 = 4, F_3 = 6.$$

22.1

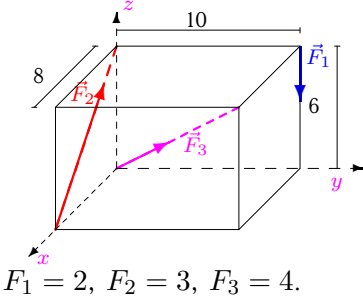
Задача 22.2



$$F_1 = 2, F_2 = 3, F_3 = 4.$$

22.1

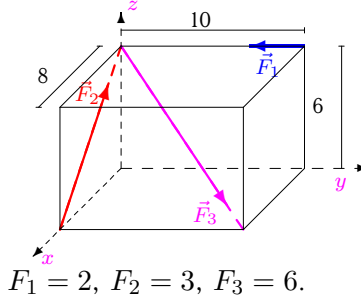
Задача 22.3



$$F_1 = 2, F_2 = 3, F_3 = 4.$$

22.1

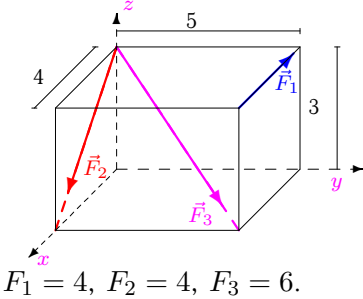
Задача 22.4



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

22.1

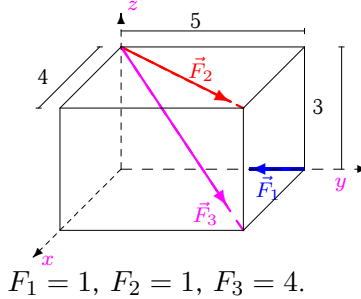
Задача 22.5



$$F_1 = 4, F_2 = 4, F_3 = 6.$$

22.1

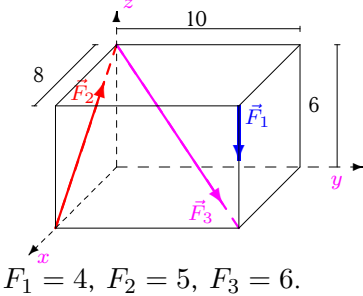
Задача 22.6



$$F_1 = 1, F_2 = 1, F_3 = 4.$$

22.1

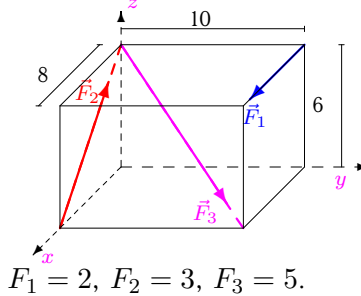
Задача 22.7



$$F_1 = 4, F_2 = 5, F_3 = 6.$$

22.1

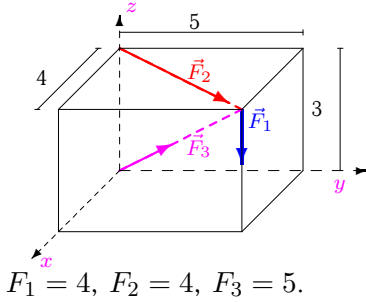
Задача 22.8



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

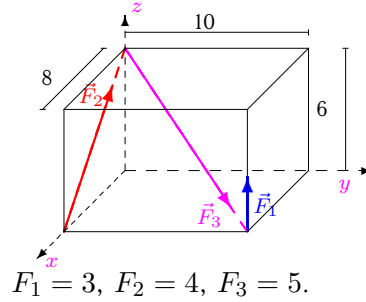
22.1

Задача 22.9



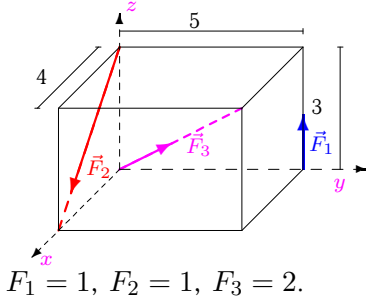
22.1

Задача 22.10



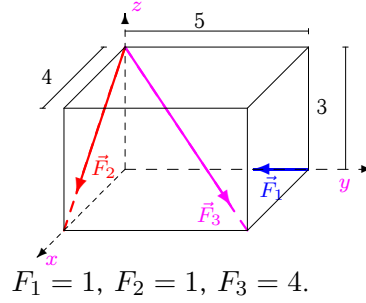
22.1

Задача 22.11



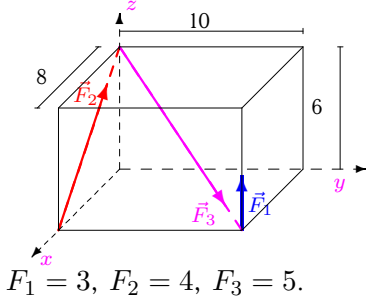
22.1

Задача 22.12



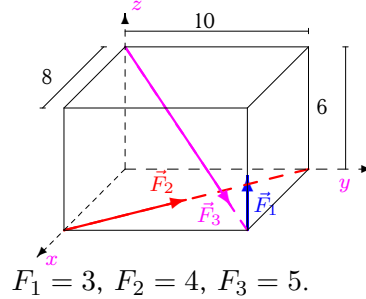
22.1

Задача 22.13



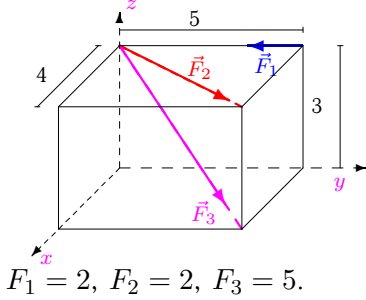
22.1

Задача 22.14



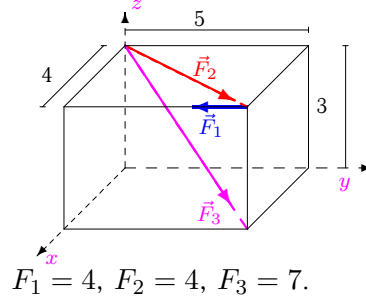
22.1

Задача 22.15



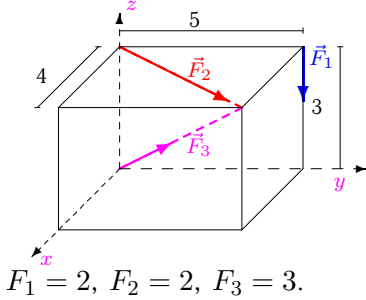
22.1

Задача 22.16



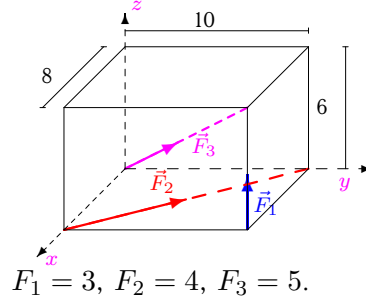
22.1

Задача 22.17



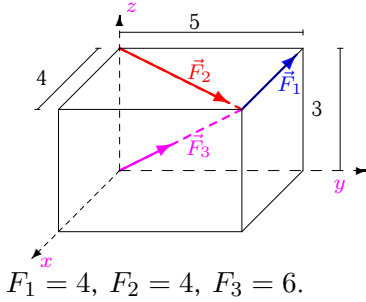
22.1

Задача 22.18



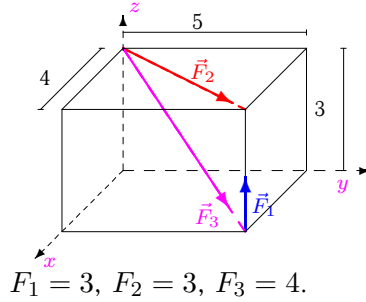
22.1

Задача 22.19



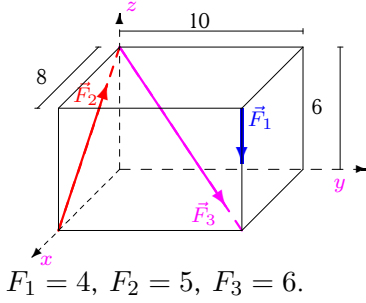
22.1

Задача 22.20



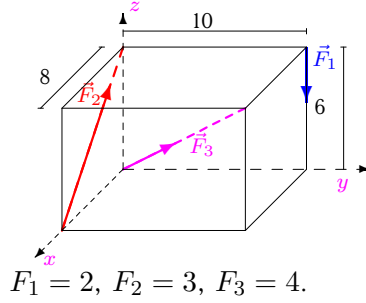
22.1

Задача 22.21



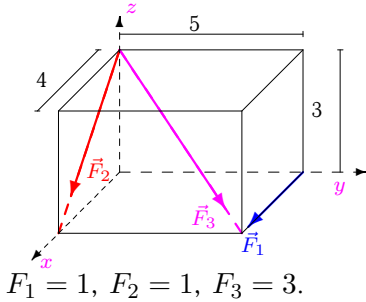
22.1

Задача 22.22



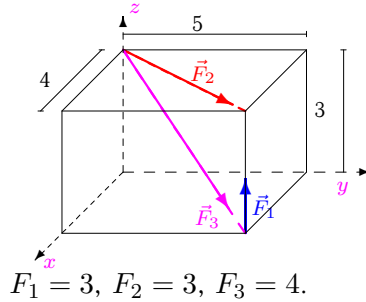
22.1

Задача 22.23



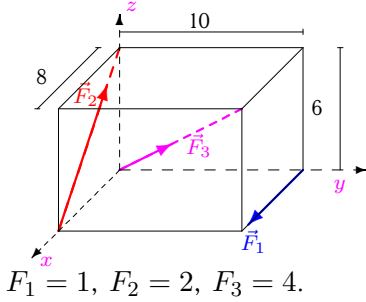
22.1

Задача 22.24



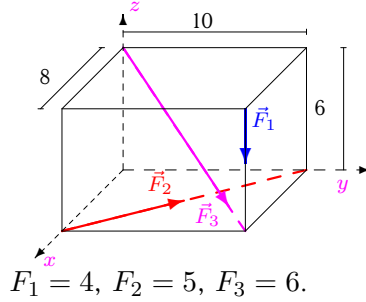
22.1

Задача 22.25



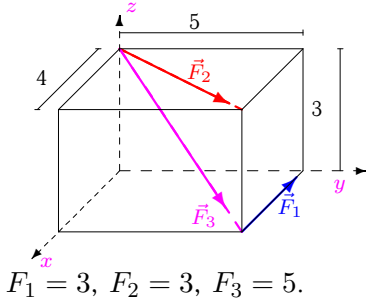
22.1

Задача 22.26



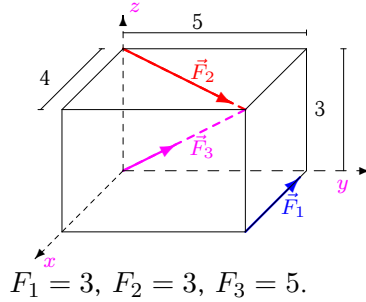
22.1

Задача 22.27



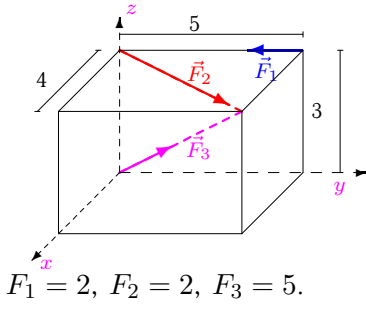
22.1

Задача 22.28



22.1

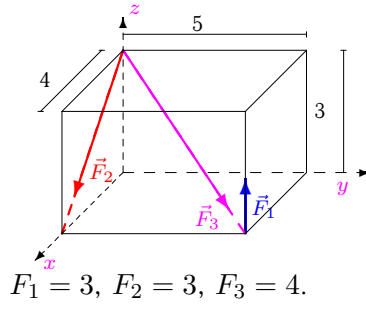
Задача 22.29



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

22.1

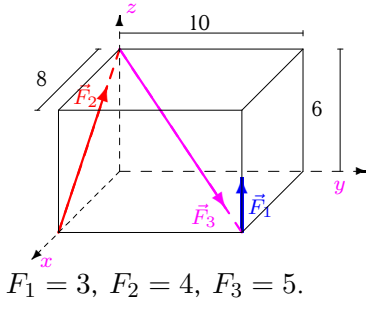
Задача 22.30



$F_1 = 3, F_2 = 3, F_3 = 4.$

22.1

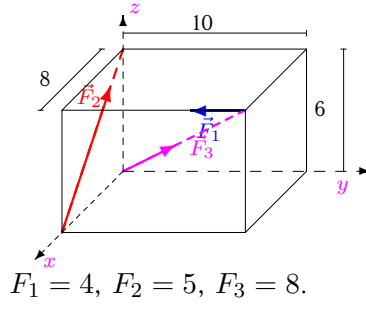
Задача 22.31



$F_1 = 3, F_2 = 4, F_3 = 5.$

22.1

Задача 22.32



$F_1 = 4, F_2 = 5, F_3 = 8.$

22.1

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	-12.000	20.000	-9.370	7.496	0.000	0.000	0.000	0.000
2	-20.000	0.000	0.000	0.000	-14.400	0.000	-16.971	13.576	0.000
3	-20.000	0.000	0.000	0.000	-14.400	0.000	0.000	0.000	0.000
4	12.000	0.000	0.000	0.000	-14.400	0.000	-25.456	20.365	0.000
5	0.000	-12.000	20.000	0.000	9.600	0.000	-12.728	10.182	0.000
6	0.000	0.000	0.000	-2.343	1.874	0.000	-8.485	6.788	0.000
7	-40.000	32.000	0.000	0.000	-24.000	0.000	-25.456	20.365	0.000
8	0.000	12.000	-20.000	0.000	-14.400	0.000	-21.213	16.971	0.000
9	-20.000	16.000	0.000	-9.370	7.496	0.000	0.000	0.000	0.000
10	30.000	-24.000	0.000	0.000	-19.200	0.000	-21.213	16.971	0.000
11	5.000	0.000	0.000	0.000	2.400	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	2.400	0.000	-8.485	6.788	0.000
13	30.000	-24.000	0.000	0.000	-19.200	0.000	-21.213	16.971	0.000
14	30.000	-24.000	0.000	0.000	0.000	24.988	-21.213	16.971	0.000
15	6.000	0.000	0.000	-4.685	3.748	0.000	-10.607	8.485	0.000
16	12.000	0.000	-16.000	-9.370	7.496	0.000	-14.849	11.879	0.000
17	-10.000	0.000	0.000	-4.685	3.748	0.000	0.000	0.000	0.000
18	30.000	-24.000	0.000	0.000	0.000	24.988	0.000	0.000	0.000
19	0.000	-12.000	20.000	-9.370	7.496	0.000	0.000	0.000	0.000
20	15.000	-12.000	0.000	-7.028	5.622	0.000	-8.485	6.788	0.000
21	-40.000	32.000	0.000	0.000	-24.000	0.000	-25.456	20.365	0.000
22	-20.000	0.000	0.000	0.000	-14.400	0.000	0.000	0.000	0.000
23	0.000	0.000	-5.000	0.000	2.400	0.000	-6.364	5.091	0.000
24	15.000	-12.000	0.000	-7.028	5.622	0.000	-8.485	6.788	0.000
25	0.000	0.000	-10.000	0.000	-9.600	0.000	0.000	0.000	0.000
26	-40.000	32.000	0.000	0.000	0.000	31.235	-25.456	20.365	0.000
27	0.000	0.000	15.000	-7.028	5.622	0.000	-10.607	8.485	0.000
28	0.000	0.000	15.000	-7.028	5.622	0.000	0.000	0.000	0.000
29	6.000	0.000	0.000	-4.685	3.748	0.000	0.000	0.000	0.000
30	15.000	-12.000	0.000	0.000	7.200	0.000	-8.485	6.788	0.000
31	30.000	-24.000	0.000	0.000	-19.200	0.000	-21.213	16.971	0.000
32	24.000	0.000	-32.000	0.000	-24.000	0.000	0.000	0.000	0.000