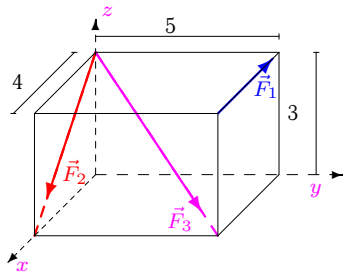
Момент силы относительно оси

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.)

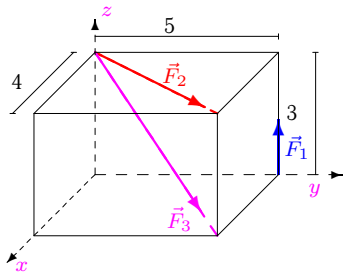
Задача 22.1



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

22.3

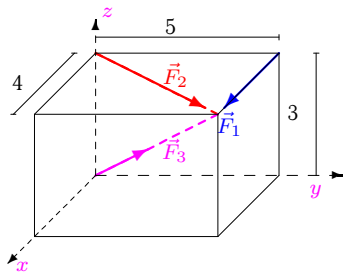
Задача 22.2



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

22.3

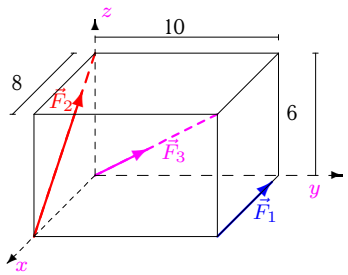
Задача 22.3



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

22.3

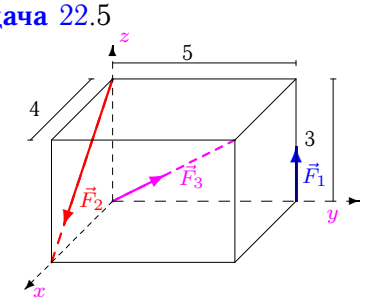
Задача 22.4



$F_1 = 3,\ F_2 = 4,\ F_3 = 6.$

22.3

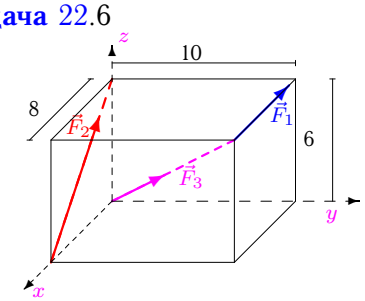
Задача 22.5



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

22.3

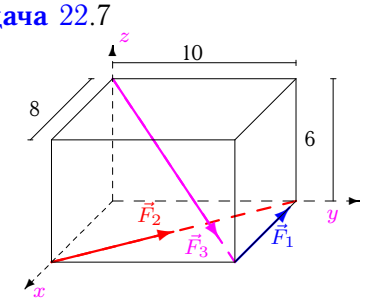
Задача 22.6



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

22.3

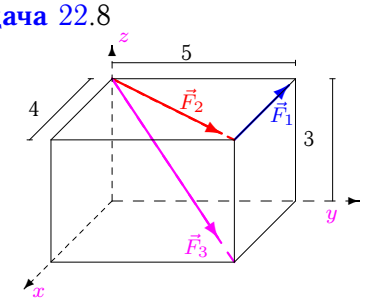
Задача 22.7



$F_1 = 3,\ F_2 = 4,\ F_3 = 6.$

22.3

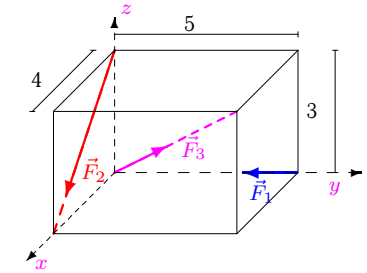
Задача 22.8



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

22.3

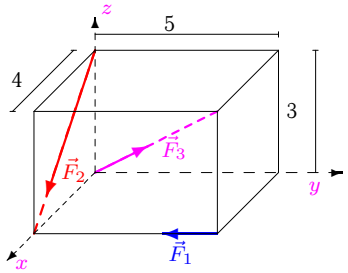
Задача 22.9



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

22.3

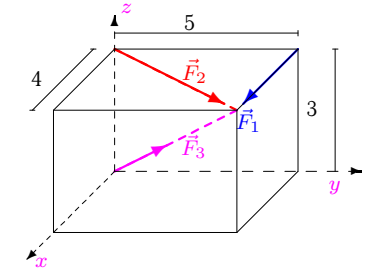
Задача 22.10



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

22.3

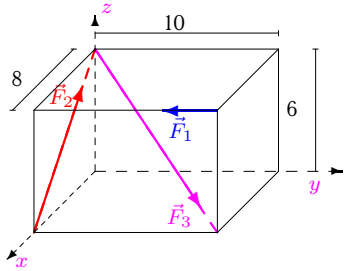
Задача 22.11



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

22.3

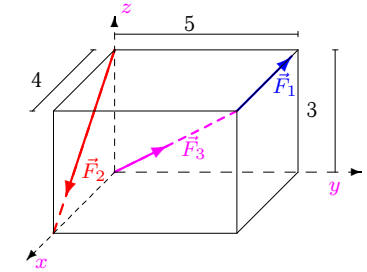
Задача 22.12



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

22.3

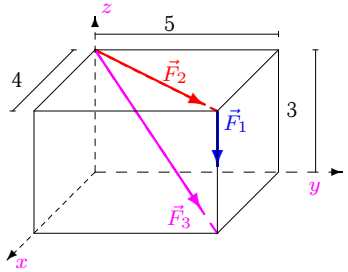
Задача 22.13



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

22.3

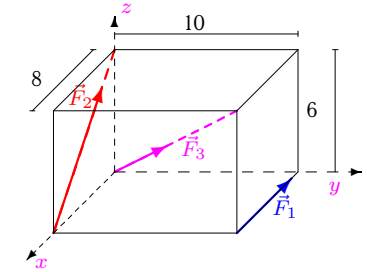
Задача 22.14



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

22.3

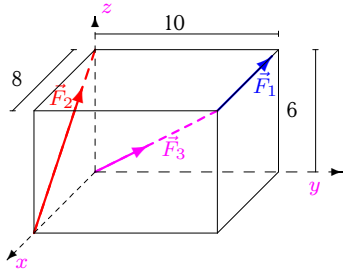
Задача 22.15



$F_1 = 3,\ F_2 = 4,\ F_3 = 6.$

22.3

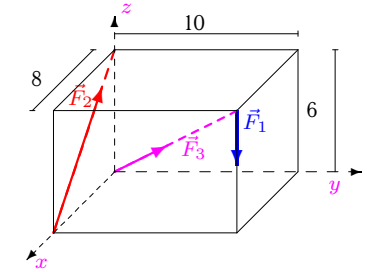
Задача 22.16



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

22.3

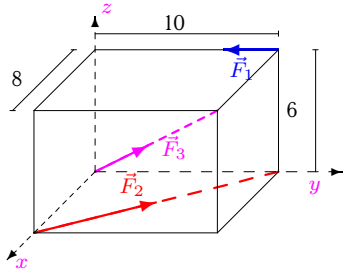
Задача 22.17



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

22.3

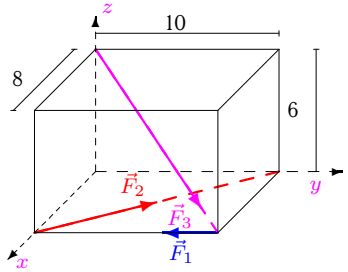
Задача 22.18



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

22.3

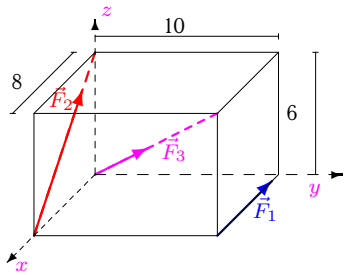
Задача 22.19



$F_1 = 3,\ F_2 = 4,\ F_3 = 7.$

22.3

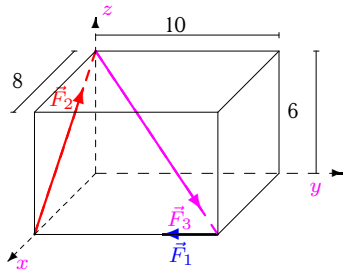
Задача 22.20



$F_1 = 3,\ F_2 = 4,\ F_3 = 6.$

22.3

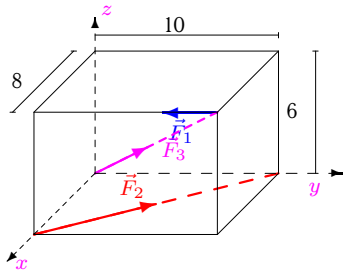
Задача 22.21



$F_1 = 3,\ F_2 = 4,\ F_3 = 7.$

22.3

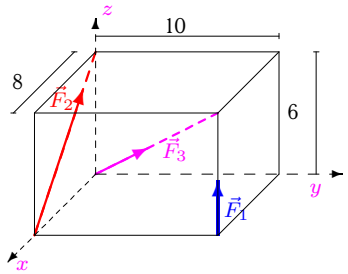
Задача 22.22



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

22.3

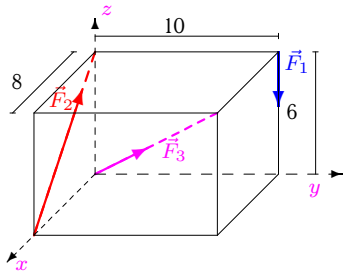
Задача 22.23



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

22.3

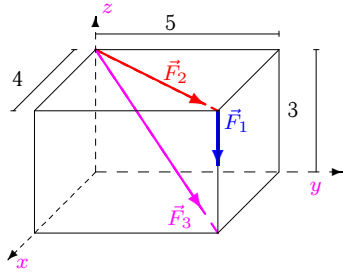
Задача 22.24



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

22.3

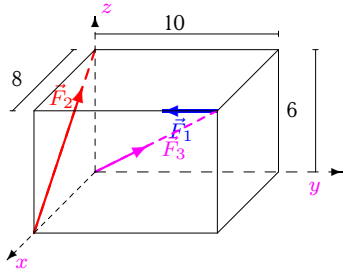
Задача 22.25



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

22.3

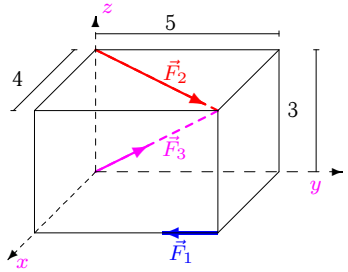
Задача 22.26



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

22.3

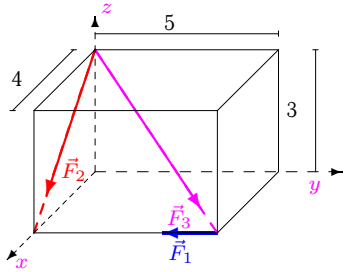
Задача 22.27



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

22.3

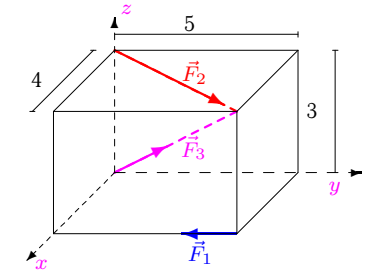
Задача 22.28



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

22.3

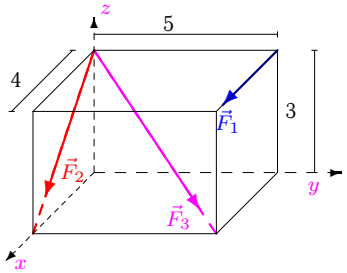
Задача 22.29



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

22.3

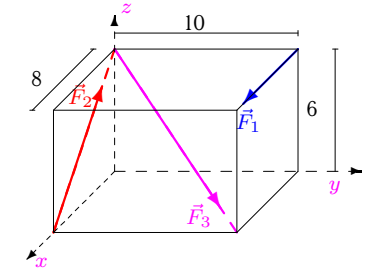
Задача 22.30



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

22.3

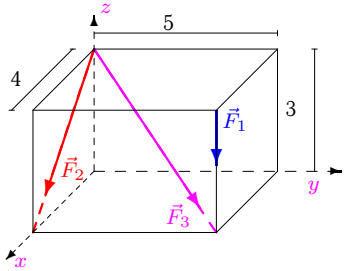
Задача 22.31



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

22.3

Задача 22.32



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

22.3

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	0.000	9.600	0.000	-12.728	10.182	0.000
2	5.000	0.000	0.000	-2.343	1.874	0.000	-4.243	3.394	0.000
3	0.000	6.000	-10.000	-4.685	3.748	0.000	0.000	0.000	0.000
4	0.000	0.000	30.000	0.000	-19.200	0.000	0.000	0.000	0.000
5	5.000	0.000	0.000	0.000	2.400	0.000	0.000	0.000	0.000
6	0.000	-24.000	40.000	0.000	-24.000	0.000	0.000	0.000	0.000
7	0.000	0.000	30.000	0.000	0.000	24.988	-25.456	20.365	0.000
8	0.000	-12.000	20.000	-9.370	7.496	0.000	-12.728	10.182	0.000
9	0.000	0.000	0.000	0.000	2.400	0.000	0.000	0.000	0.000
10	0.000	0.000	-12.000	0.000	7.200	0.000	0.000	0.000	0.000
11	0.000	6.000	-10.000	-4.685	3.748	0.000	0.000	0.000	0.000
12	24.000	0.000	-32.000	0.000	-24.000	0.000	-33.941	27.153	0.000
13	0.000	-12.000	20.000	0.000	9.600	0.000	0.000	0.000	0.000
14	-20.000	16.000	0.000	-9.370	7.496	0.000	-10.607	8.485	0.000
15	0.000	0.000	30.000	0.000	-19.200	0.000	0.000	0.000	0.000
16	0.000	-24.000	40.000	0.000	-24.000	0.000	0.000	0.000	0.000
17	-40.000	32.000	0.000	0.000	-24.000	0.000	0.000	0.000	0.000
18	12.000	0.000	0.000	0.000	0.000	18.741	0.000	0.000	0.000
19	0.000	0.000	-24.000	0.000	0.000	24.988	-29.698	23.759	0.000
20	0.000	0.000	30.000	0.000	-19.200	0.000	0.000	0.000	0.000
21	0.000	0.000	-24.000	0.000	-19.200	0.000	-29.698	23.759	0.000
22	24.000	0.000	-32.000	0.000	0.000	31.235	0.000	0.000	0.000
23	30.000	-24.000	0.000	0.000	-19.200	0.000	0.000	0.000	0.000
24	-20.000	0.000	0.000	0.000	-14.400	0.000	0.000	0.000	0.000
25	-20.000	16.000	0.000	-9.370	7.496	0.000	-10.607	8.485	0.000
26	24.000	0.000	-32.000	0.000	-24.000	0.000	0.000	0.000	0.000
27	0.000	0.000	-12.000	-7.028	5.622	0.000	0.000	0.000	0.000
28	0.000	0.000	-12.000	0.000	7.200	0.000	-12.728	10.182	0.000
29	0.000	0.000	-12.000	-7.028	5.622	0.000	0.000	0.000	0.000
30	0.000	6.000	-10.000	0.000	4.800	0.000	-8.485	6.788	0.000
31	0.000	12.000	-20.000	0.000	-14.400	0.000	-21.213	16.971	0.000
32	-20.000	16.000	0.000	0.000	9.600	0.000	-10.607	8.485	0.000