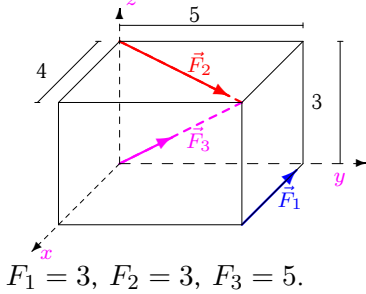


Момент силы относительно оси

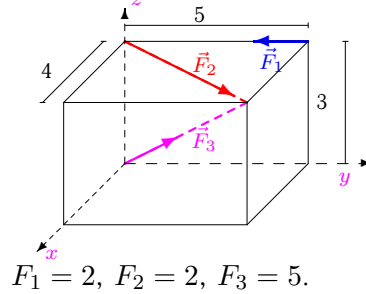
Найти моменты сил относительно осей. Размеры на рисунках даны в м, силы — в Н.

Кирсанов М.Н. **Решебник. Теоретическая механика**/Под ред. А. И. Кириллова.— М.:ФИЗМАТЛИТ, 2008.— 384 с. (с.91.)

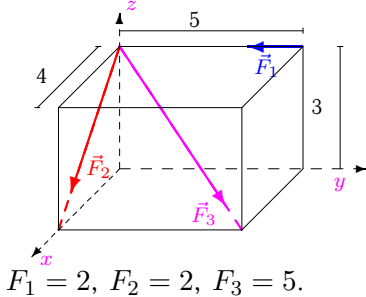
Задача 22.1.



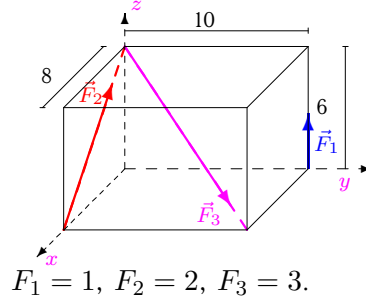
Задача 22.2.



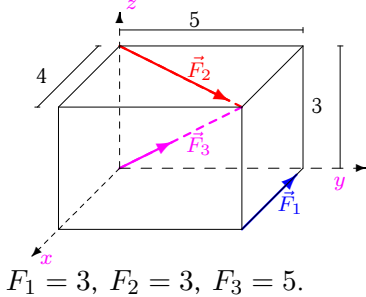
Задача 22.3.



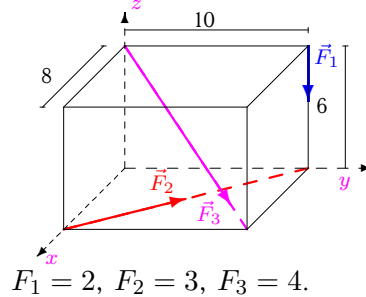
Задача 22.4.



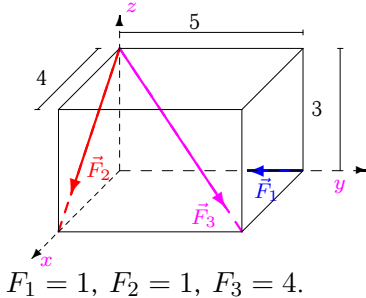
Задача 22.5.



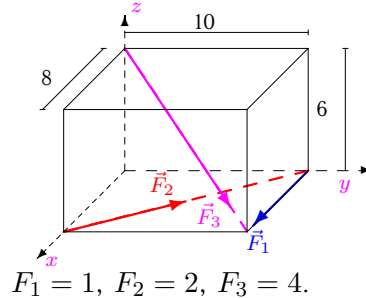
Задача 22.6.



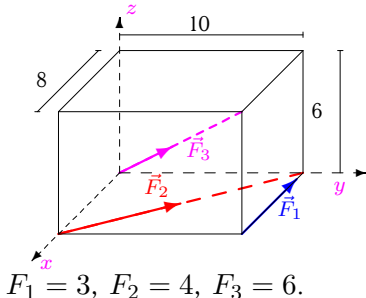
Задача 22.7.



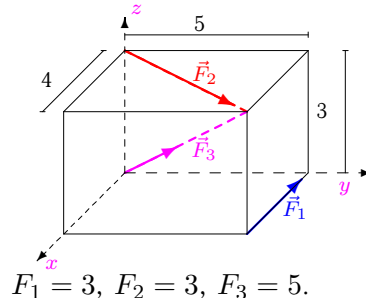
Задача 22.8.



Задача 22.9.

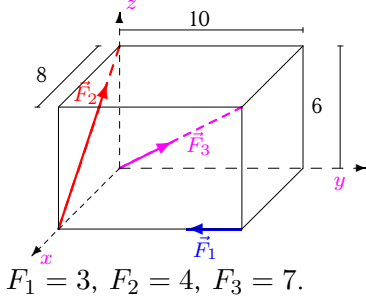


Задача 22.10.



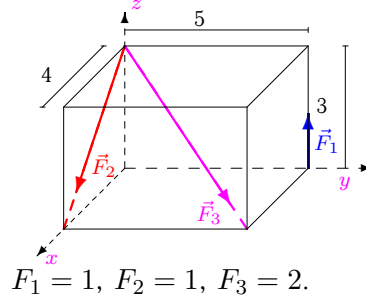
Задача 22.11.

7



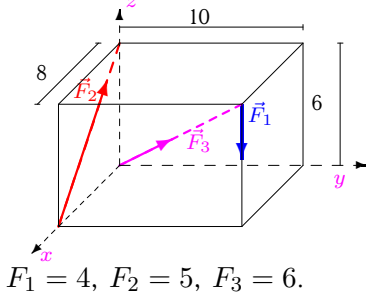
Задача 22.12.

7



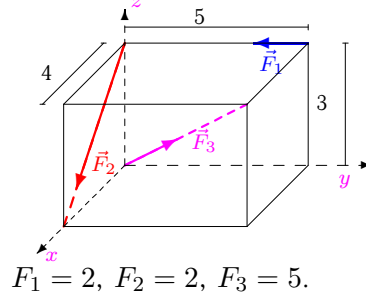
Задача 22.13.

7



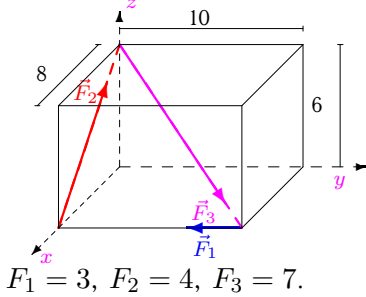
Задача 22.14.

7



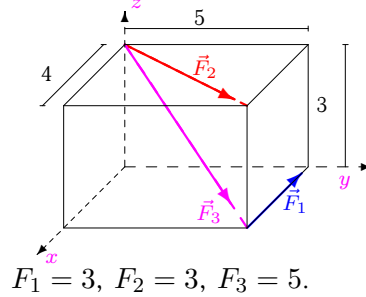
Задача 22.15.

7



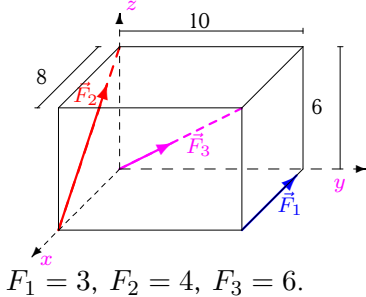
Задача 22.16.

7



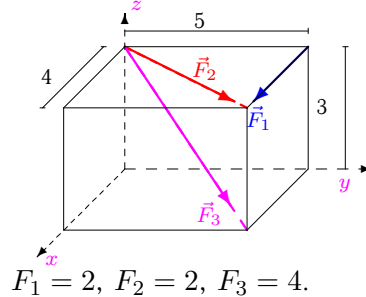
Задача 22.17.

7



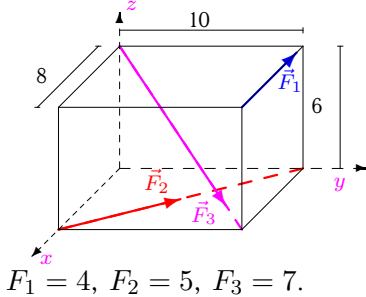
Задача 22.18.

7



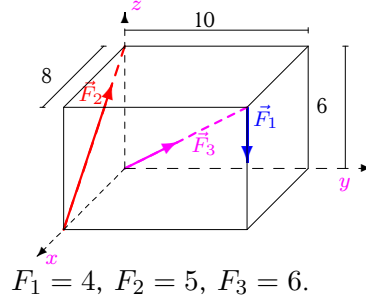
Задача 22.19.

7



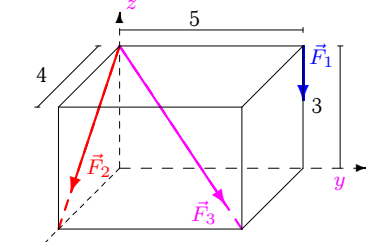
Задача 22.20.

7



Задача 22.21.

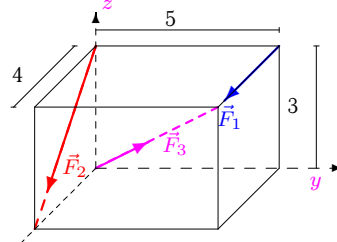
7



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

Задача 22.22.

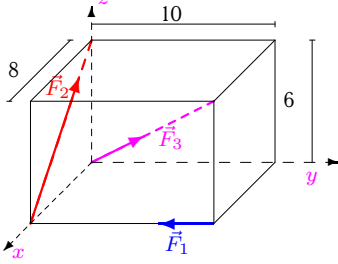
7



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

Задача 22.23.

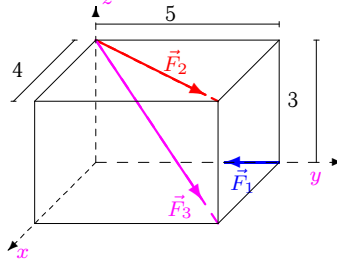
7



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

Задача 22.24.

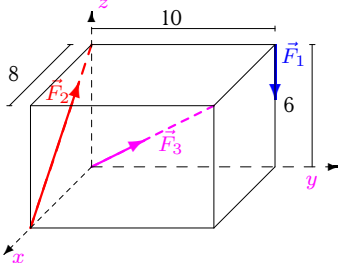
7



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

Задача 22.25.

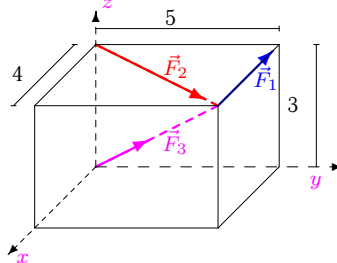
7



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

Задача 22.26.

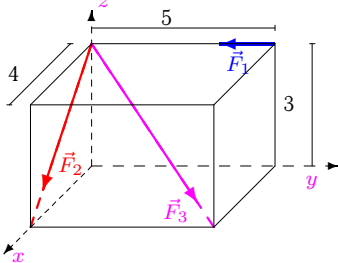
7



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

Задача 22.27.

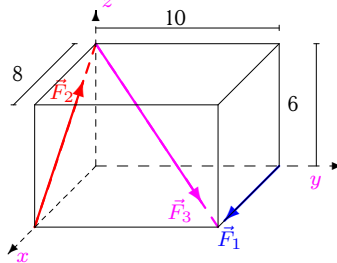
7



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

Задача 22.28.

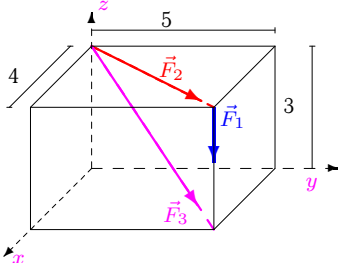
7



$F_1 = 1, F_2 = 2, F_3 = 4.$

Задача 22.29.

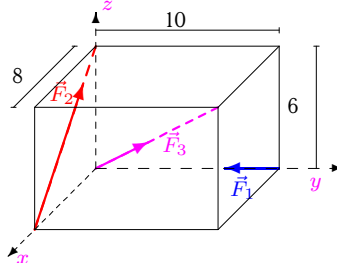
7



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

Задача 22.30.

7



$F_1 = 1, F_2 = 2, F_3 = 5.$

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	15.000	-7.028	5.622	0.000	0.000	0.000	0.000
2	6.000	0.000	0.000	-4.685	3.748	0.000	0.000	0.000	0.000
3	6.000	0.000	0.000	0.000	4.800	0.000	-10.607	8.485	0.000
4	10.000	0.000	0.000	0.000	-9.600	0.000	-12.728	10.182	0.000
5	0.000	0.000	15.000	-7.028	5.622	0.000	0.000	0.000	0.000
6	-20.000	0.000	0.000	0.000	0.000	18.741	-16.971	13.576	0.000
7	0.000	0.000	0.000	0.000	2.400	0.000	-8.485	6.788	0.000
8	0.000	0.000	-10.000	0.000	0.000	12.494	-16.971	13.576	0.000
9	0.000	0.000	30.000	0.000	0.000	24.988	0.000	0.000	0.000
10	0.000	0.000	15.000	-7.028	5.622	0.000	0.000	0.000	0.000
11	0.000	0.000	-24.000	0.000	-19.200	0.000	0.000	0.000	0.000
12	5.000	0.000	0.000	0.000	2.400	0.000	-4.243	3.394	0.000
13	-40.000	32.000	0.000	0.000	-24.000	0.000	0.000	0.000	0.000
14	6.000	0.000	0.000	0.000	4.800	0.000	0.000	0.000	0.000
15	0.000	0.000	-24.000	0.000	-19.200	0.000	-29.698	23.759	0.000
16	0.000	0.000	15.000	-7.028	5.622	0.000	-10.607	8.485	0.000
17	0.000	0.000	30.000	0.000	-19.200	0.000	0.000	0.000	0.000
18	0.000	6.000	-10.000	-4.685	3.748	0.000	-8.485	6.788	0.000
19	0.000	-24.000	40.000	0.000	0.000	31.235	-29.698	23.759	0.000
20	-40.000	32.000	0.000	0.000	-24.000	0.000	0.000	0.000	0.000
21	-10.000	0.000	0.000	0.000	4.800	0.000	-6.364	5.091	0.000
22	0.000	6.000	-10.000	0.000	4.800	0.000	0.000	0.000	0.000
23	0.000	0.000	-24.000	0.000	-19.200	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	-2.343	1.874	0.000	-8.485	6.788	0.000
25	-20.000	0.000	0.000	0.000	-14.400	0.000	0.000	0.000	0.000
26	0.000	-12.000	20.000	-9.370	7.496	0.000	0.000	0.000	0.000
27	6.000	0.000	0.000	0.000	4.800	0.000	-10.607	8.485	0.000
28	0.000	0.000	-10.000	0.000	-9.600	0.000	-16.971	13.576	0.000
29	-20.000	16.000	0.000	-9.370	7.496	0.000	-10.607	8.485	0.000
30	0.000	0.000	0.000	0.000	-9.600	0.000	0.000	0.000	0.000