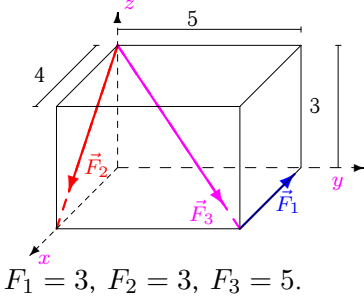


## Момент силы относительно оси

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

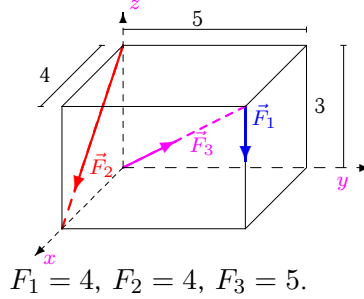
Кирсанов М.Н. **Решебник. Теоретическая механика**/Под ред. А. И. Кириллова.— М.: ФИЗМАТЛИТ, 2002.— 384 с. (с. 91.)

**Задача 22.1**



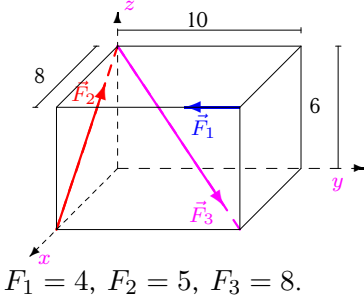
22.4

**Задача 22.2**



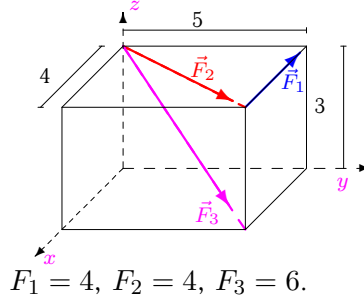
22.4

**Задача 22.3**



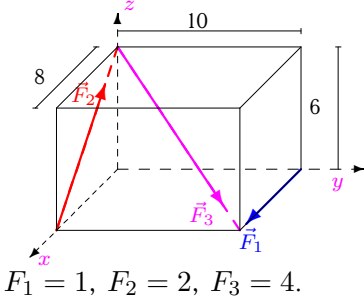
22.4

**Задача 22.4**



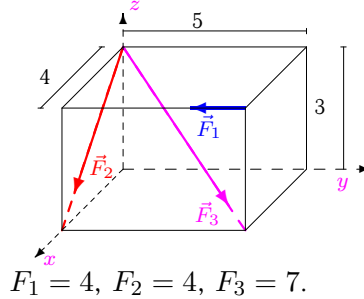
22.4

**Задача 22.5**



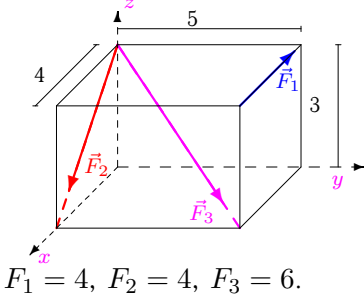
22.4

**Задача 22.6**



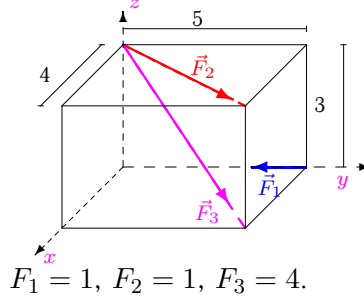
22.4

**Задача 22.7**

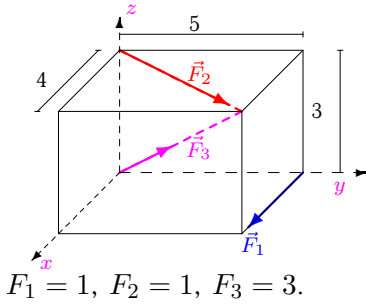


22.4

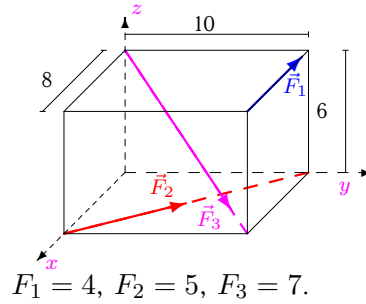
**Задача 22.8**



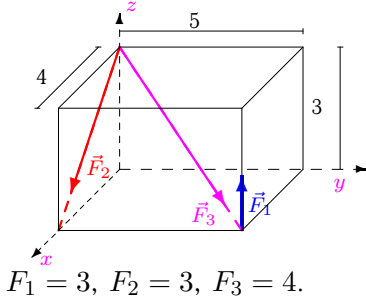
22.4

**Задача 22.9**

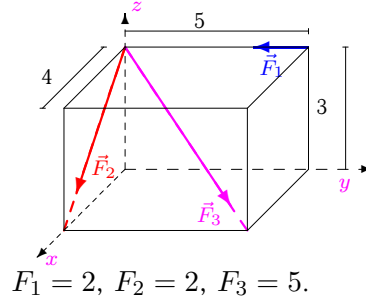
22.4

**Задача 22.10**

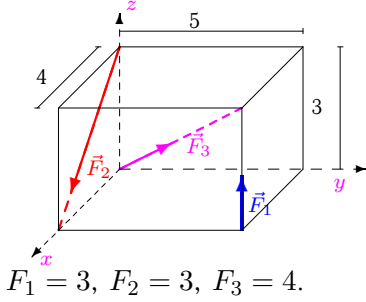
22.4

**Задача 22.11**

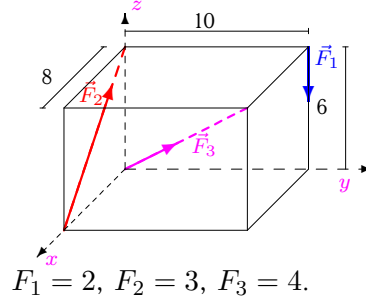
22.4

**Задача 22.12**

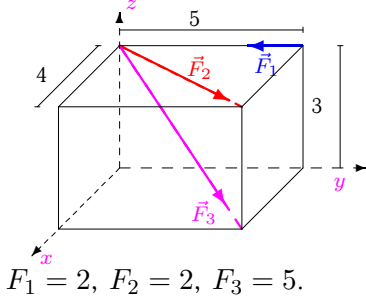
22.4

**Задача 22.13**

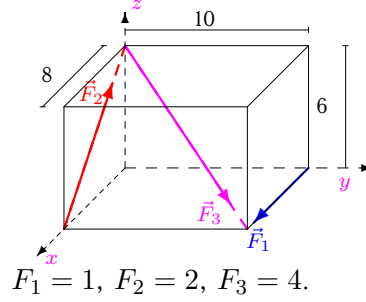
22.4

**Задача 22.14**

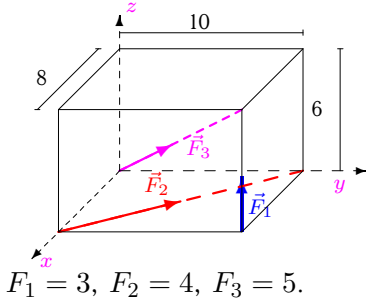
22.4

**Задача 22.15**

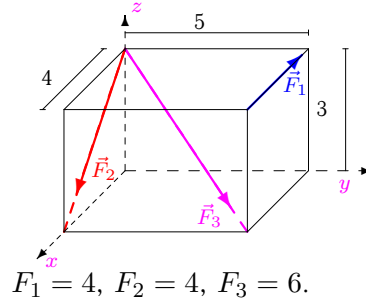
22.4

**Задача 22.16**

22.4

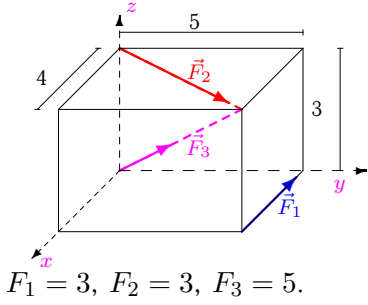
**Задача 22.17**

22.4

**Задача 22.18**

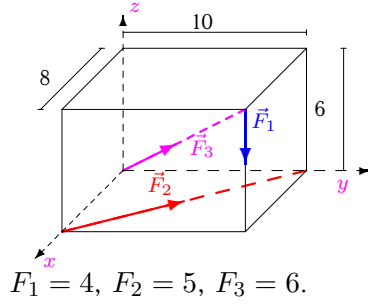
22.4

**Задача 22.19**



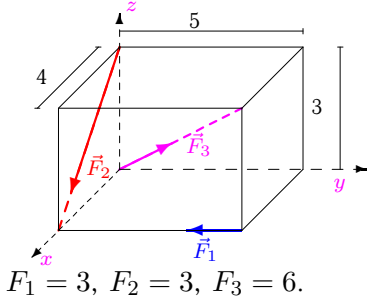
22.4

**Задача 22.20**



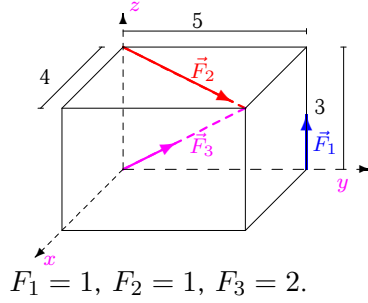
22.4

**Задача 22.21**



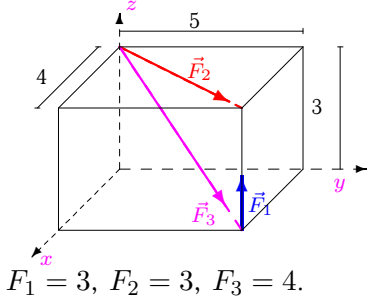
22.4

**Задача 22.22**



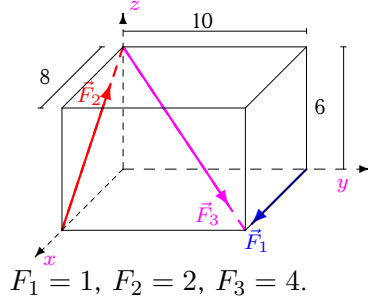
22.4

**Задача 22.23**



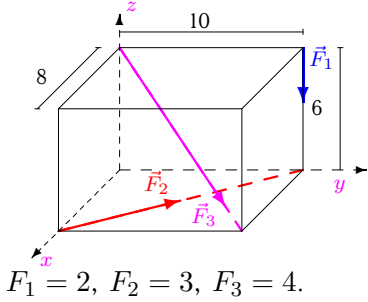
22.4

**Задача 22.24**



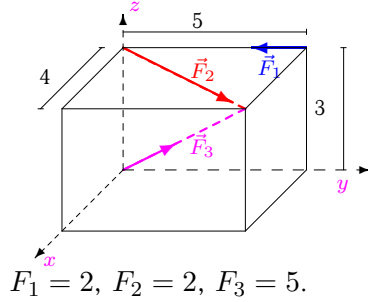
22.4

**Задача 22.25**



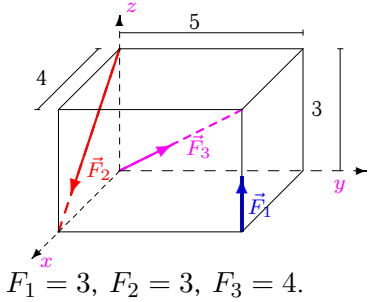
22.4

**Задача 22.26**



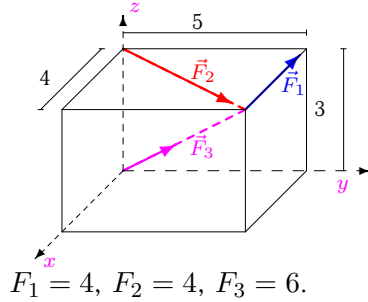
22.4

**Задача 22.27**



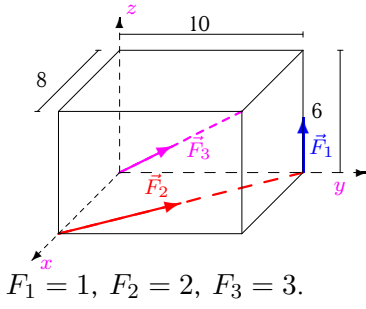
22.4

**Задача 22.28**



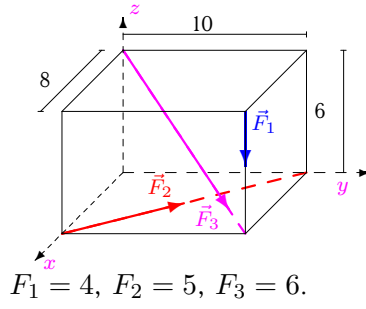
22.4

**Задача 22.29**



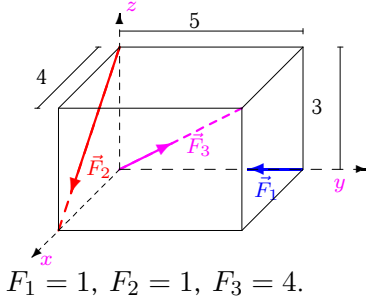
22.4

**Задача 22.30**



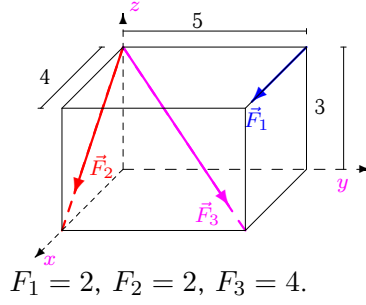
22.4

**Задача 22.31**



22.4

**Задача 22.32**



22.4

**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	0.000	7.200	0.000	-10.607	8.485	0.000
2	-20.000	16.000	0.000	0.000	9.600	0.000	0.000	0.000	0.000
3	24.000	0.000	-32.000	0.000	-24.000	0.000	-33.941	27.153	0.000
4	0.000	-12.000	20.000	-9.370	7.496	0.000	-12.728	10.182	0.000
5	0.000	0.000	-10.000	0.000	-9.600	0.000	-16.971	13.576	0.000
6	12.000	0.000	-16.000	0.000	9.600	0.000	-14.849	11.879	0.000
7	0.000	-12.000	20.000	0.000	9.600	0.000	-12.728	10.182	0.000
8	0.000	0.000	0.000	-2.343	1.874	0.000	-8.485	6.788	0.000
9	0.000	0.000	-5.000	-2.343	1.874	0.000	0.000	0.000	0.000
10	0.000	-24.000	40.000	0.000	0.000	31.235	-29.698	23.759	0.000
11	15.000	-12.000	0.000	0.000	7.200	0.000	-8.485	6.788	0.000
12	6.000	0.000	0.000	0.000	4.800	0.000	-10.607	8.485	0.000
13	15.000	-12.000	0.000	0.000	7.200	0.000	0.000	0.000	0.000
14	-20.000	0.000	0.000	0.000	-14.400	0.000	0.000	0.000	0.000
15	6.000	0.000	0.000	-4.685	3.748	0.000	-10.607	8.485	0.000
16	0.000	0.000	-10.000	0.000	-9.600	0.000	-16.971	13.576	0.000
17	30.000	-24.000	0.000	0.000	0.000	24.988	0.000	0.000	0.000
18	0.000	-12.000	20.000	0.000	9.600	0.000	-12.728	10.182	0.000
19	0.000	0.000	15.000	-7.028	5.622	0.000	0.000	0.000	0.000
20	-40.000	32.000	0.000	0.000	0.000	31.235	0.000	0.000	0.000
21	0.000	0.000	-12.000	0.000	7.200	0.000	0.000	0.000	0.000
22	5.000	0.000	0.000	-2.343	1.874	0.000	0.000	0.000	0.000
23	15.000	-12.000	0.000	-7.028	5.622	0.000	-8.485	6.788	0.000
24	0.000	0.000	-10.000	0.000	-9.600	0.000	-16.971	13.576	0.000
25	-20.000	0.000	0.000	0.000	0.000	18.741	-16.971	13.576	0.000
26	6.000	0.000	0.000	-4.685	3.748	0.000	0.000	0.000	0.000
27	15.000	-12.000	0.000	0.000	7.200	0.000	0.000	0.000	0.000
28	0.000	-12.000	20.000	-9.370	7.496	0.000	0.000	0.000	0.000
29	10.000	0.000	0.000	0.000	0.000	12.494	0.000	0.000	0.000
30	-40.000	32.000	0.000	0.000	0.000	31.235	-25.456	20.365	0.000
31	0.000	0.000	0.000	0.000	2.400	0.000	0.000	0.000	0.000
32	0.000	6.000	-10.000	0.000	4.800	0.000	-8.485	6.788	0.000