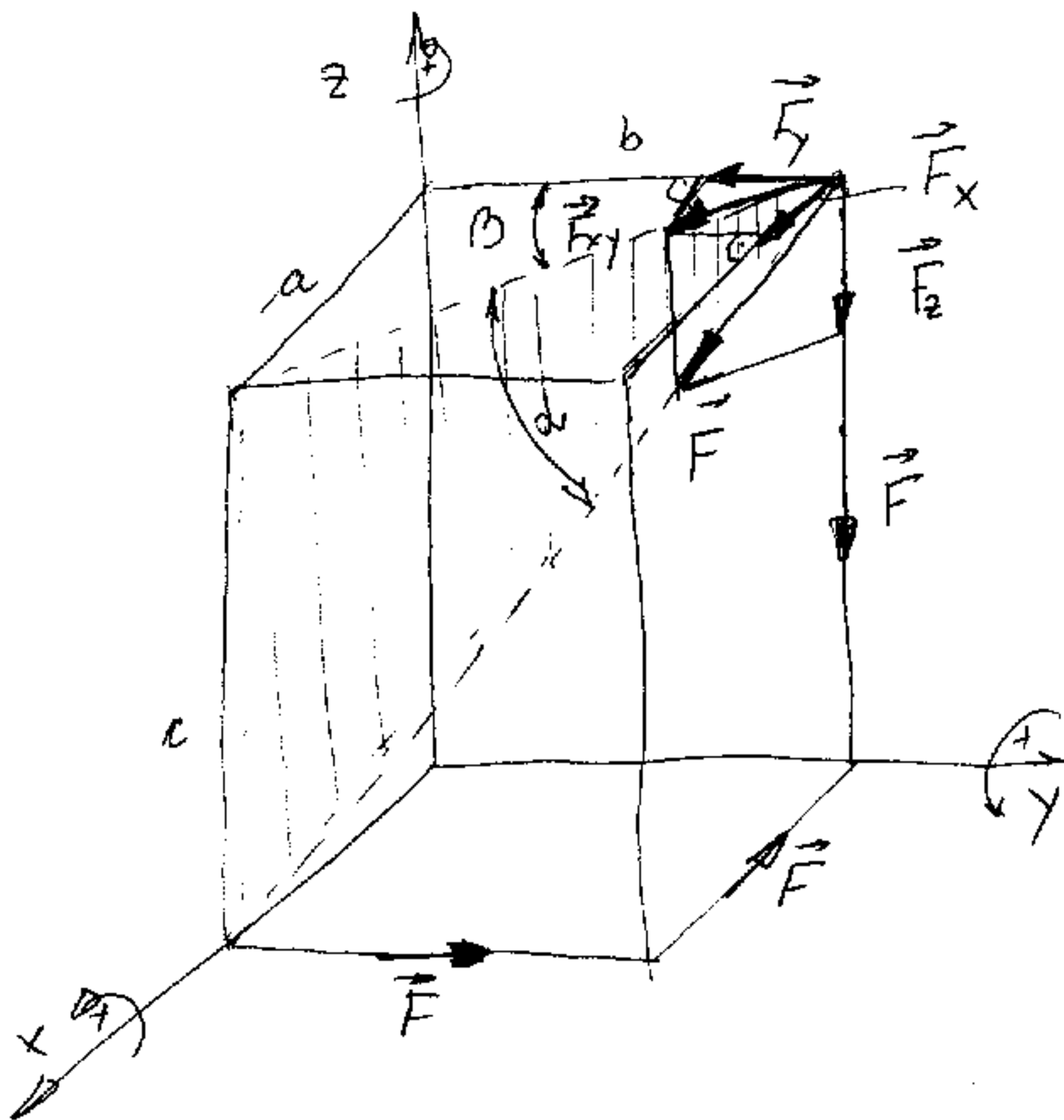


3. zadatak grupa A



$$\operatorname{tg} \alpha = \frac{c}{\sqrt{a^2 + b^2}}$$

$$\operatorname{tg} \beta = \frac{a}{b}$$

Komponente glavnog vektora:

$$X_R = \sum F_x = -F + F \cos \alpha \sin \beta$$

$$Y_R = \sum F_y = F - F \cos \alpha \cos \beta$$

$$Z_R = \sum F_z = -F - F \sin \alpha$$

Komponente glavnog momenta s obzirom na tacku O:

$$M_x = -F \cdot b$$

$$M_y = F \cos \alpha \sin \beta \cdot c$$

$$M_z = F \cdot a + F \cdot b - F \cos \alpha \sin \beta \cdot b$$