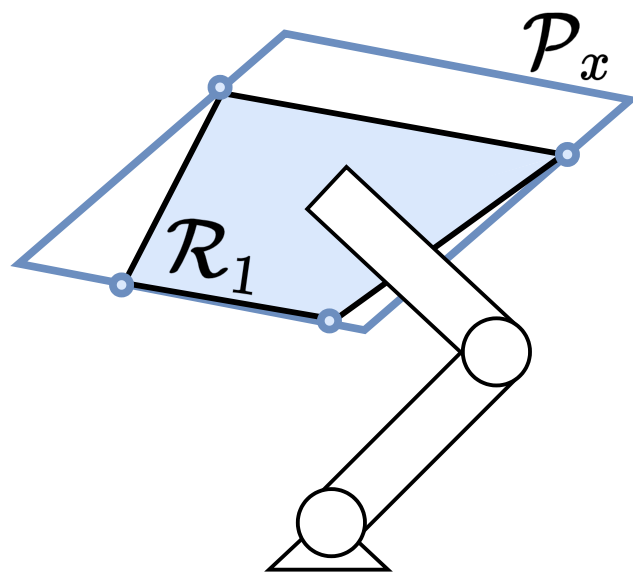
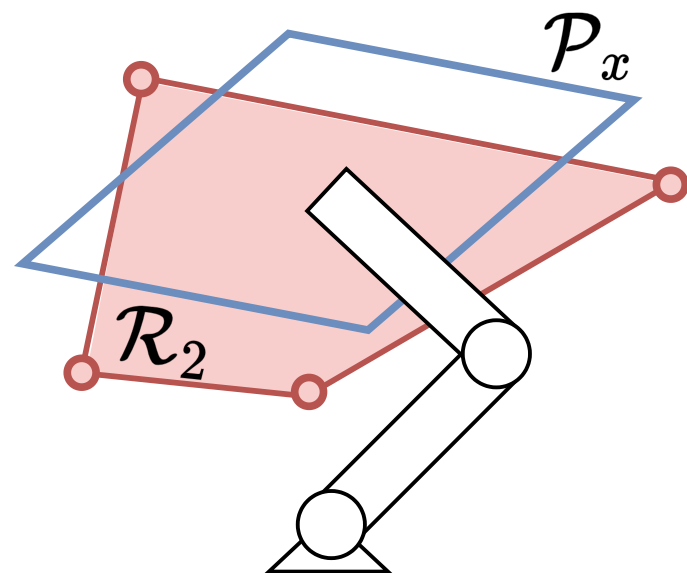


$$m_1 = \frac{n\{\text{blue circle}\}}{n\{\text{red circle}\} + n\{\text{blue circle}\}}$$



$$m_2 = \frac{\text{Vol}\{\mathcal{R}_1\}}{\text{Vol}\{\mathcal{P}_x\}}$$



$$m_3 = \frac{\text{Vol}\{\mathcal{P}_x\}}{\text{Vol}\{\mathcal{R}_2\}}$$