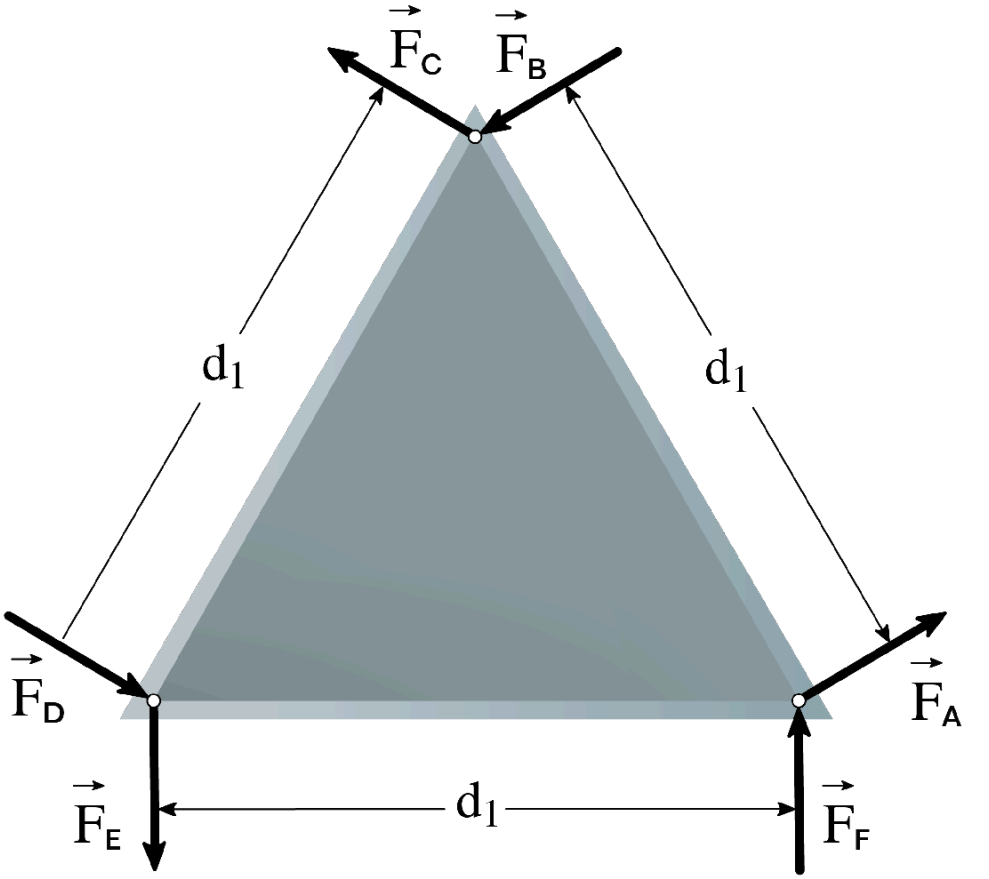

Three pairs of coupled forces act on the triangular plate. Find the magnitude and direction of the resultant couple moment.

Assuming counterclockwise rotation is positive:

$$M_R = \Sigma(r \cdot F) = d_1 \cdot F_A + d_1 \cdot F_C + d_1 \cdot F_E$$
$$\Rightarrow M_R = d_1(F_A + F_C + F_E)$$

Since M_R is positive, the rotation is **counterclockwise**