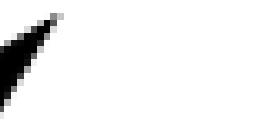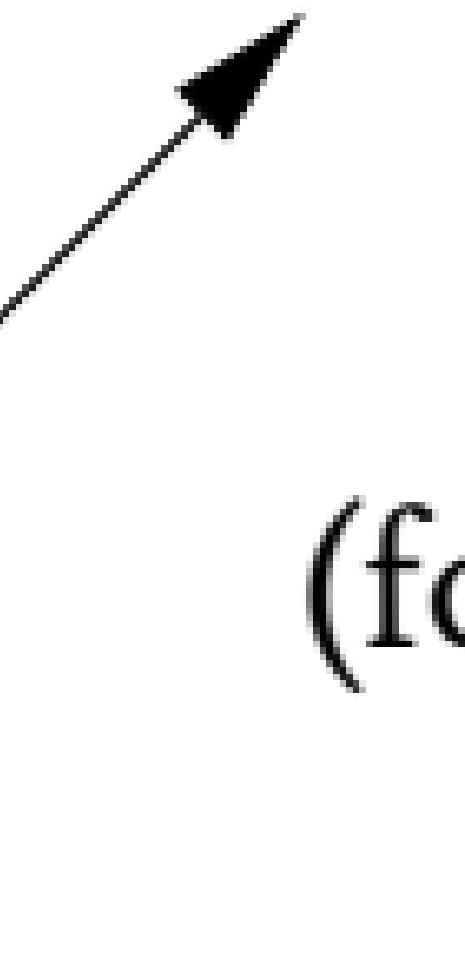$\boldsymbol{a}$ $\alpha\boldsymbol{a}$ (for $\alpha > 0$) (for $\alpha < 0$)