Type 4: Non-homogeneous but reducible to homogeneous

$$\frac{dy}{dx} = \frac{ax + by + c}{dx + c \cdot y + f} \quad \text{where} \quad \frac{a}{dx} \neq \frac{b}{e}$$

then transformation

$$x = x + h \quad \text{and} \quad y = y + k \quad \text{withour}$$

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