$$\begin{cases} y = 2 - \frac{4(x-6)}{a-b}, x = -\frac{1}{4}(y-2)(a-6) + b \\ y = \frac{4}{6-a} dx, dx = \frac{4}{4} dy \end{cases}$$

$$= \frac{6-a}{4} \begin{cases} 1 - \frac{1}{4}(y-2)(a-6) + b \\ 1 - \frac{1}{4}(y-2)(a-6) + d \end{cases}$$