$$\log(N) = \log\left(a + \frac{b}{t}\right)$$

$$(y)^{-1} = \left(\frac{t}{at+b}\right)^{-\frac{1}{t}}$$

$$\frac{1}{y} = \frac{at+b}{t}$$

$$\frac{1}{y} = a + \frac{b}{t} \quad \text{where } z = \frac{1}{y},\ s = \frac{1}{t}$$

$$z = a + bs$$