2.3.3 Tumor growth

The Gompertz law for the growth of tumor size is

$$\dot{N} = -aN \ln(bN).$$

a) *Interpret a and b biologically.*
Here a is the growth rate whereas $1/b$ has to role of maximum size, analogous to the carrying capacity in population dynamics. The growth is positive only as long as $N < 1/b$.

b) *Sketch the vector field and then graph $N(t)$ for various initial values.*