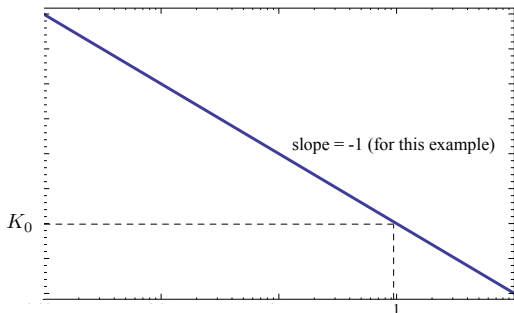


## Type 1: $K_0(j\omega)^n$

Magnitude:  $\log M = \log |K_0(j\omega)^n| = \log |K_0| + n \log \omega$

— as a function of  $\log \omega$ , this is a *line* of slope  $n$  passing through the value  $\log |K_0|$  at  $\omega = 1$

In our example, we had  $K_0(j\omega)^{-1}$ :



— this is called a **low-frequency asymptote** (will see why later)