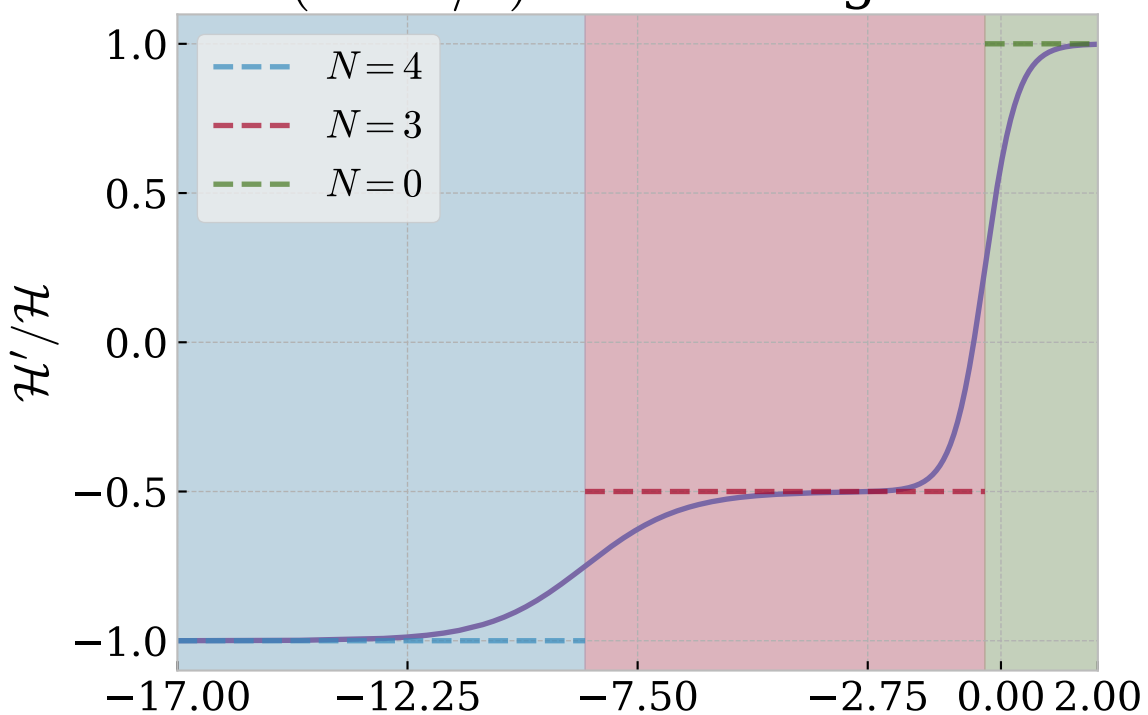


Ratio of \mathcal{H} and its derivatives

$(1 - N/2)$ in each regime



$(1 - N/2)^2$ in each regime

