$$i^{th}\,cM = \frac{1}{i!}\frac{d^i}{dt^i}\ln\langle e^{t\beta H}\rangle$$

$dt^0\ dt^1\ dt^2\ dt^3\ dt^4\ \ldots$

↳ Sum gives entropic part of free energy

↳ $\langle H\rangle$ Enthalpy

↳ Always zero