

## Equal a priori probability postulate

In a closed statistical system, with fixed energy, all accessible states are equally likely.

Classic system:

$$p = \begin{cases} \frac{1}{\Omega} & \text{if } E \leq H(q,p) \leq E + \delta E \\ 0 & \text{otherwise.} \end{cases}$$

Quantum system:

$$p = \frac{1}{\Omega} \longrightarrow \# \text{ of accessible states.}$$

$$\Omega = \Omega(E, V, N)$$