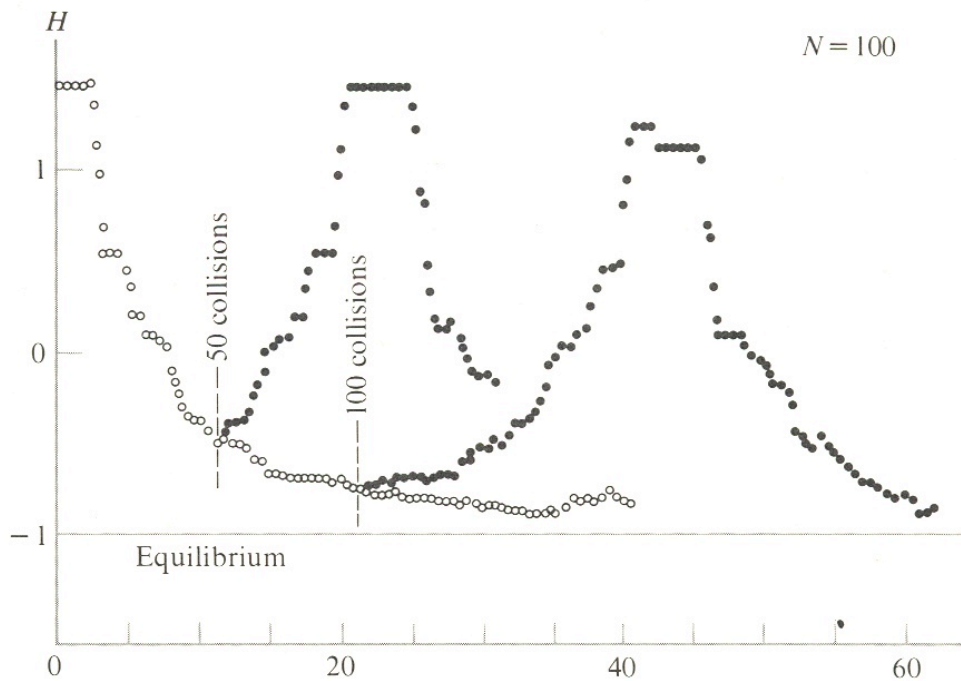


# Boltzmann's H-function simulated [tsl27]

Computer simulation of 100 hard disks moving in a 2D box and undergoing elastic collisions. Initial state: positions on a regular lattice, velocities random. Open circles:  $H(t) = \int d^2v f(\mathbf{v}, t) \ln f(\mathbf{v}, t)$ . Full circles:  $H(t)$  when all velocities are inverted after 50 or 100 collisions.



[from Prigogine 1980]