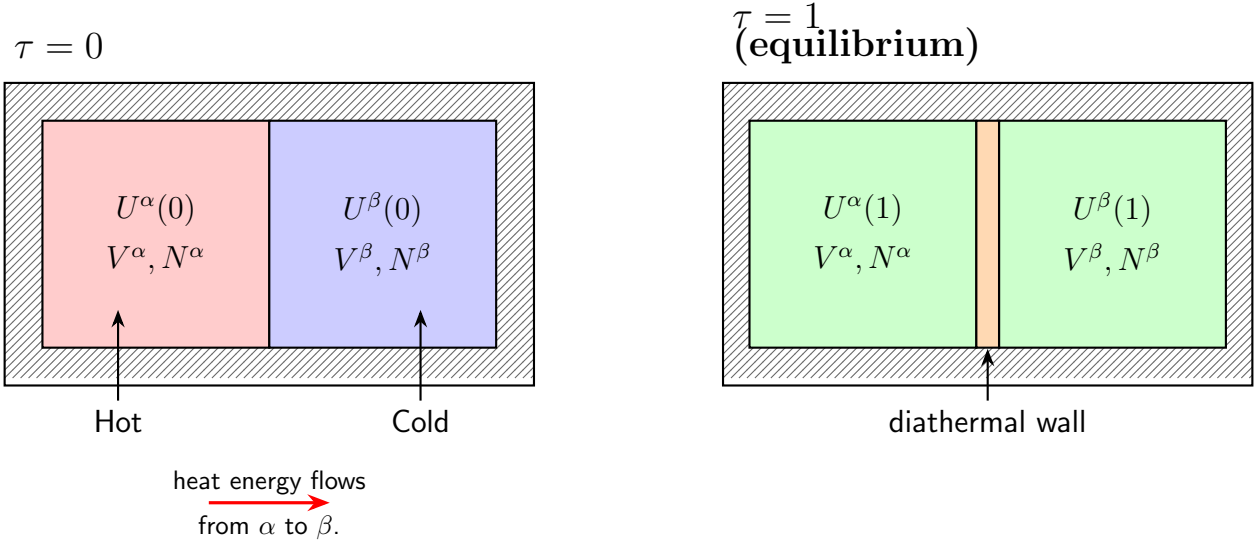
$\tau = 0$
$U^\alpha(0)$
V^α, N^α
$U^\beta(0)$
V^β, N^β
Hot
Cold
heat energy flows
from α to β.
$\tau = 1$
(equilibrium)
$U^\alpha(1)$
V^α, N^α
$U^\beta(1)$
V^β, N^β
diathermal wall