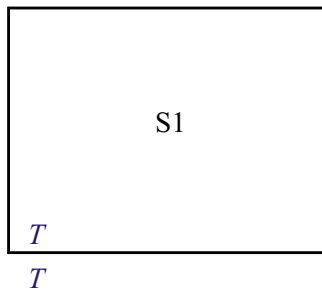


3.15 Thermodynamic Contacts: A system in thermal equilibrium



S2: The world, a heat bath, ...

Exchange of heat energy ΔQ

- $T_1 = T_2 = T$
- fixed volume V
- fixed particle number N

Established by the system:

- p : pressure
- μ : chemical potential
- S : entropy

- Examples:
- many solids (V fixed)
 - gas in a fixed volume