



Let's further assume that the two slabs get connected by a tube of negligible volume so that particles can move from one slab to another: tube front view) We now have a composite system with fixed number of particles N - Ne and Nu can vary now but V and T are fixed. Question: Starting with Nu = Nz , how will the purticle ununders change when the connection (via the tube) is established ? Note: We will not be able to determine what happens as a fet. of time! We will only be able to determine what the new equilibrium configuration is When the lower and upper systems





