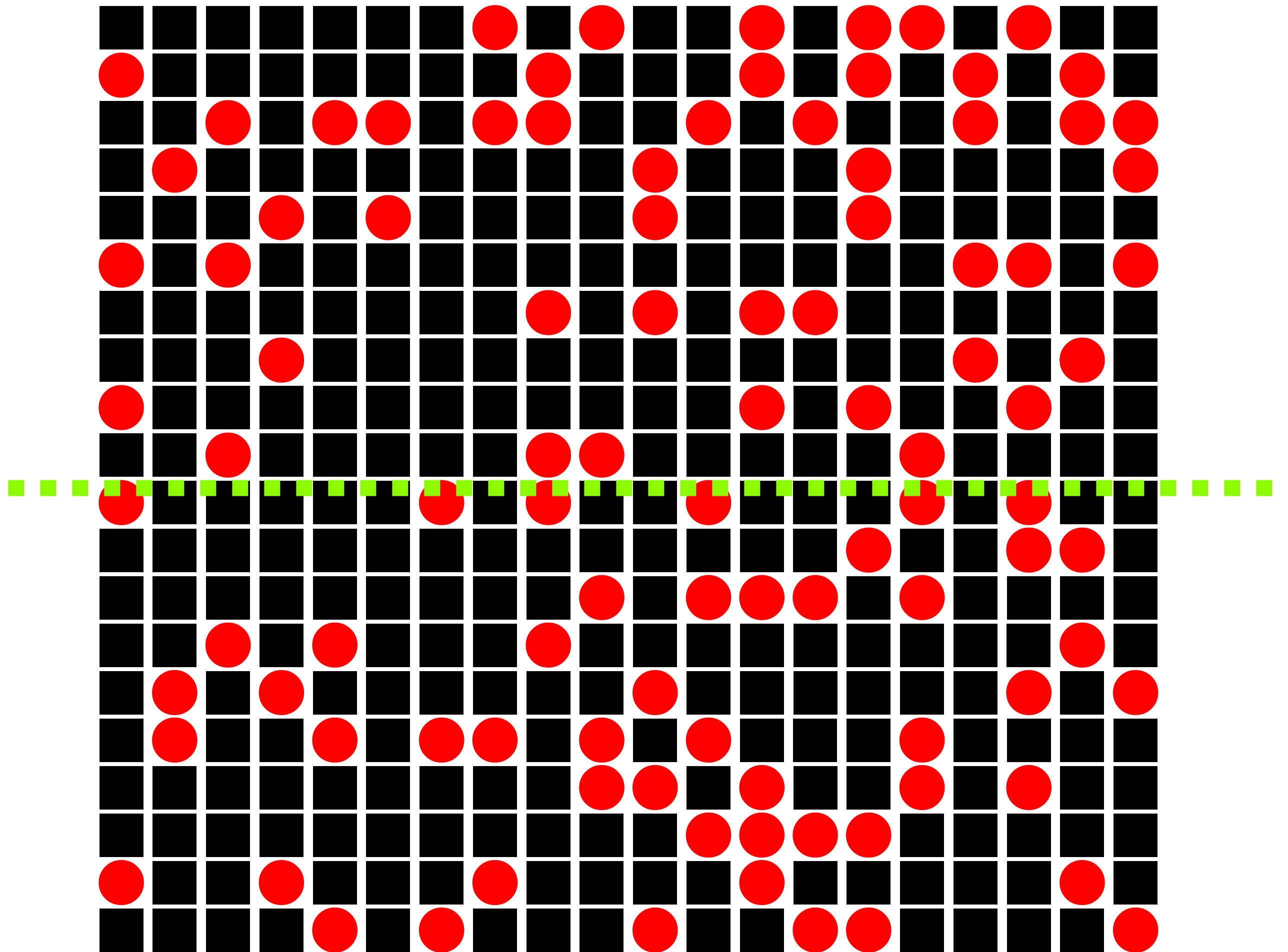# When the partition is removed the system thermalizes

When the partition is removed the system hops exploring all configurations. This is a significantly larger number than those with

$$E_1 = 80\,\Delta$$

Two particle phase space: the dot represents a micro state
To count the phase space we divide it in bins of size $h = \Delta x \Delta p$