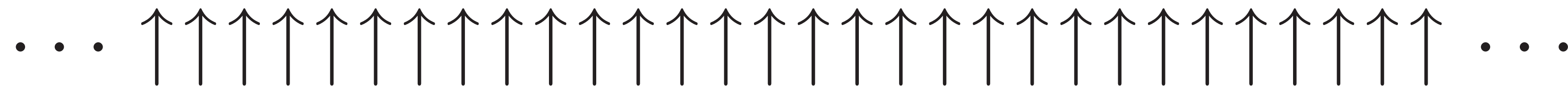


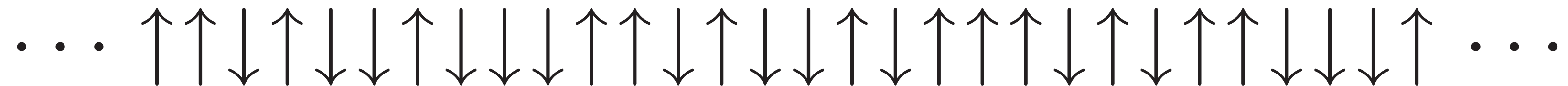
Energetics and States

Magnetic Field

This state has the lowest energy



But there are many more states that look like this



At a fixed temperature and magnetic field we are to minimize, $F = U - TS$

Magnetization versus magnetic field

