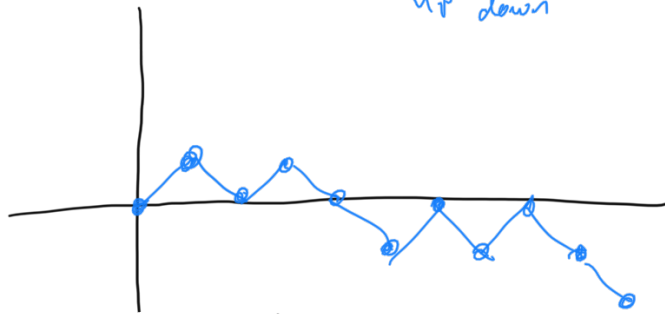


# Lec 2: Brownian motion + random walk

Random walk: H T H T T H T H T T  
                  ↑   ↓  
                  up down



Random walk w/  
10 steps

Informal description

Random walk w/  $n$  steps (appropriately rescaled)

→ Brownian Motion

as  $n \rightarrow \infty$

Both random walk + Brownian motion  
are "random process."