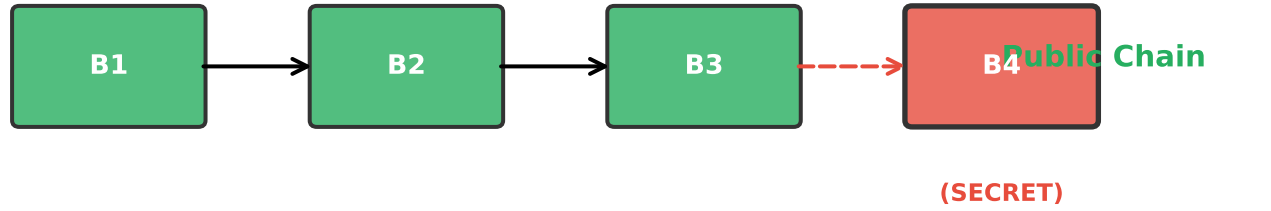


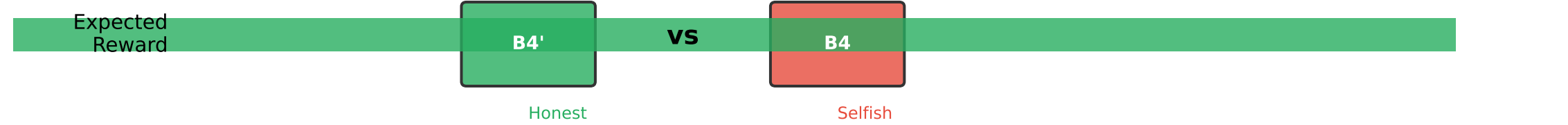
Selfish Mining Attack Strategy

Withholding blocks to gain unfair advantage

Step 1: Selfish miner finds block but keeps it private



Step 2: If honest miner finds B4, selfish miner releases their B4



Step 3: With >25% hashpower, selfish miner gains disproportionate rewards



Defenses: Uniform tie-breaking, timestamp verification, difficulty adjustment

Research shows attack profitable with >25% hashpower (not 51%)