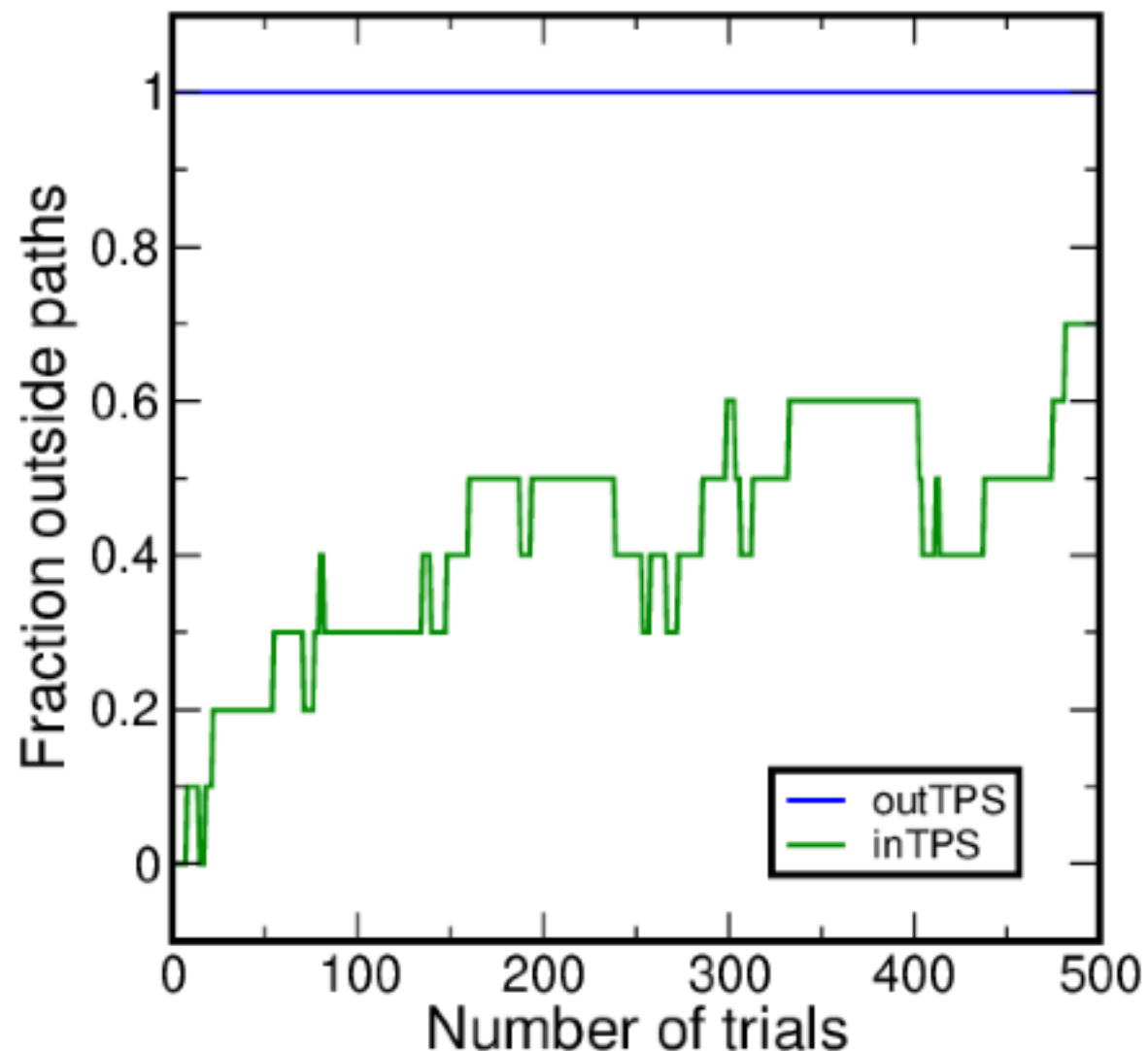


Outside vs. Inside



- starting from an outside path, always stay outside
- starting from an inside path, many go outside (7/10 after 500 trials)
- Bayesian analysis: 2000-to-1 odds that outside is preferred

$$P(p_{\text{in}} < p_{\text{out}} | D) = 1 - \frac{(n_{\text{MC}} + 1)!(2n_{\text{MC}} + 1 - n_{\text{in} \rightarrow \text{out}})!}{(n_{\text{MC}} - n_{\text{in} \rightarrow \text{out}})!(2n_{\text{MC}} + 2)!} \approx 0.99948$$

