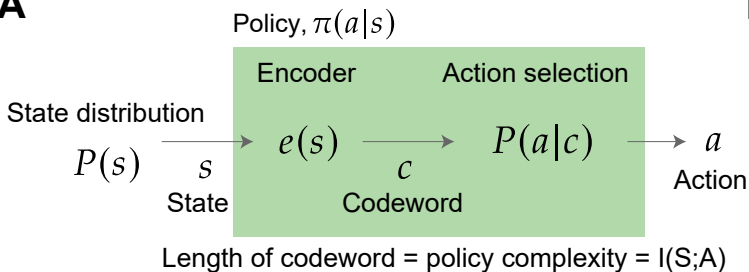
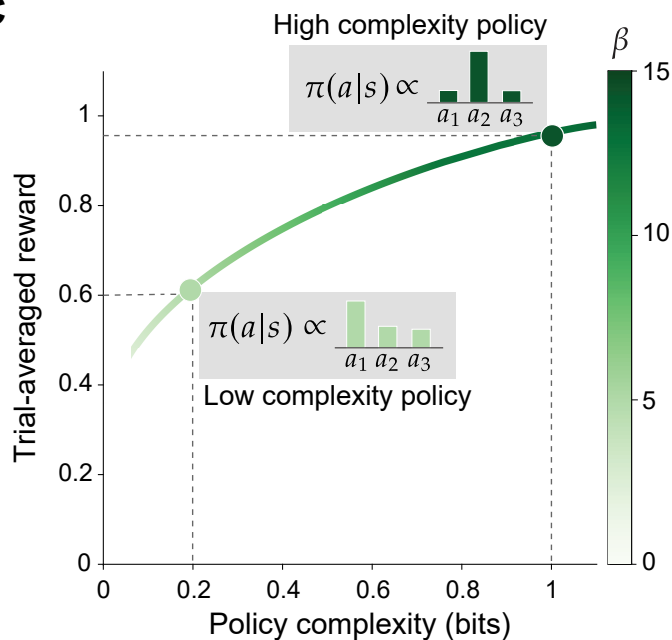


A**D**

Action	A_1	A_2	A_3	A_4
P(action)	0.5	0.3	0.15	0.05
Codeword	0	10	110	111

B

$$\pi(a|s) \propto \exp \left[\beta \frac{Q(s, a)}{a_1 \ a_2 \ a_3} + \log \frac{P(a)}{a_1 \ a_2 \ a_3} \right]$$

C**E**