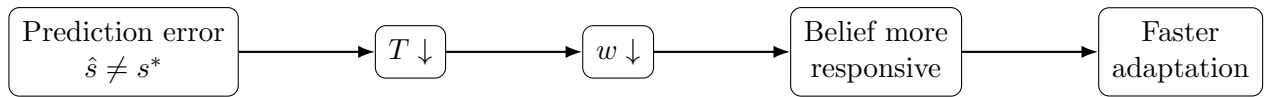


## Concept Diagrams: Two Feedback-Loop Variants

### Variant 2: Purely Cognitive Loop (Window-only)

Negative/balancing



Positive/reinforcing

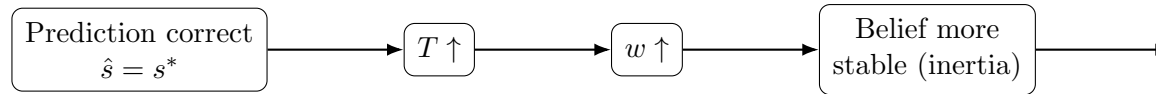
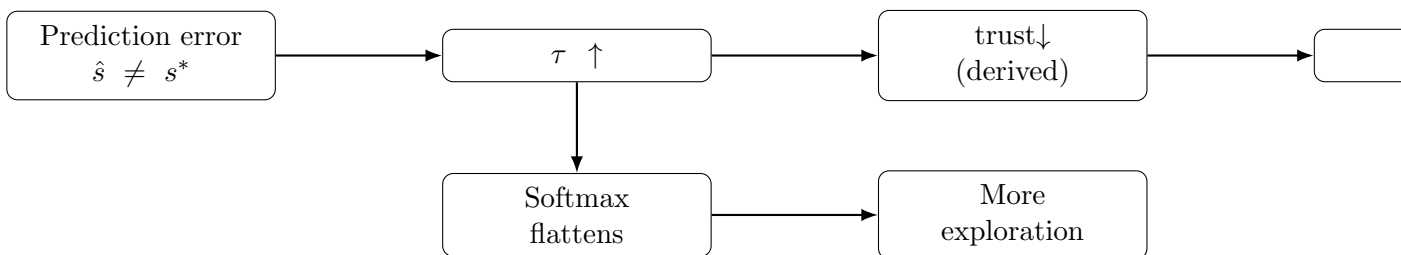


Figure 1: Variant 2 (draft2): Trust  $T$  only modulates memory window size  $w$ , which changes how quickly beliefs respond. There is no separate decision-noise channel.

### Variant 1: Cognitive + Decision Channel (Window + Choice Concentration)

**Negative / balancing loop**



**Positive / reinforcing loop**

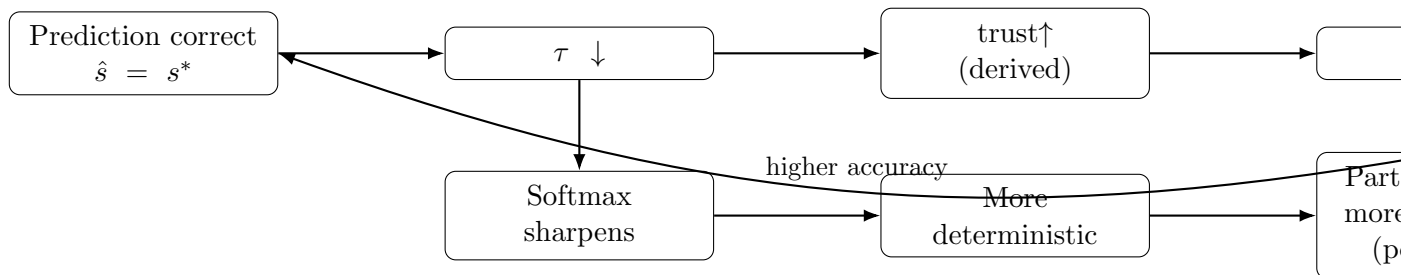


Figure 2: Variant 1 (main):  $\tau$  affects both (i) memory window  $w$  via derived trust and (ii) decision noise via softmax. The behavioral channel (softmax sharp/flat) is shown separately from the memory-window channel to avoid overlap.