

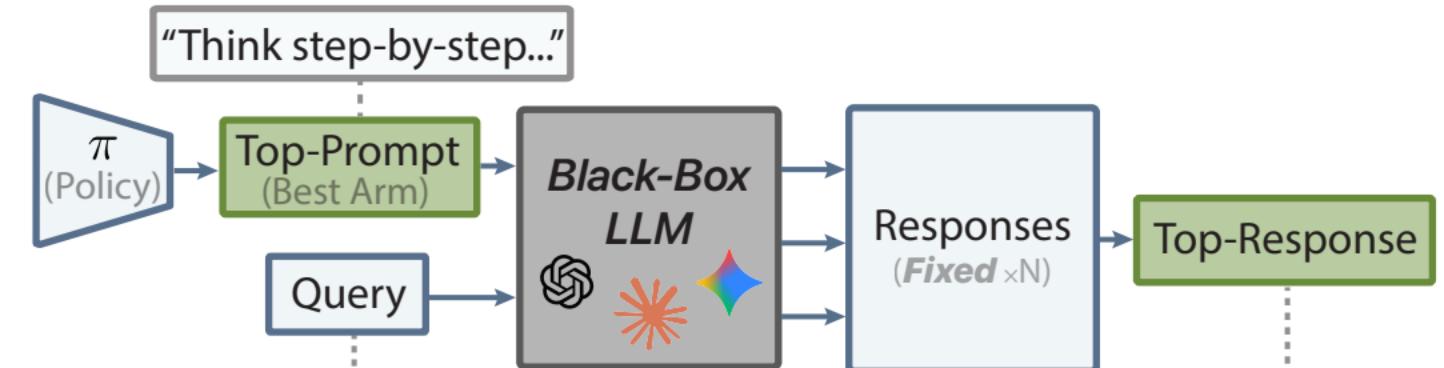
## Inference Agnostic

Training

"Think step-by-step..."  
"Think out-of-the-box..."  
"Think quickly..."



Inference

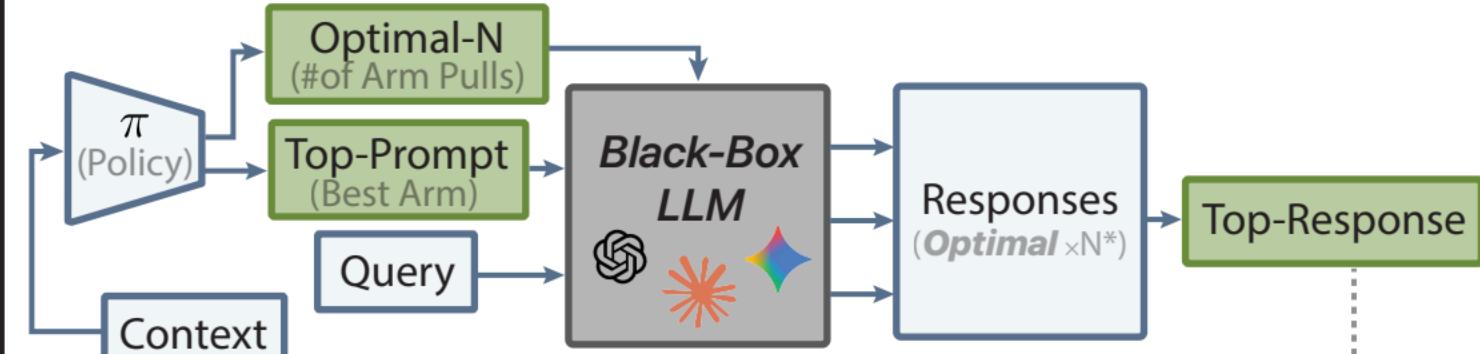
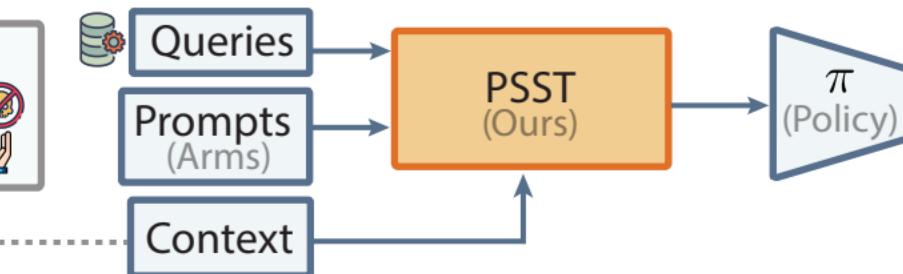


"A medicine label says '2 mg per kg.' If a patient weighs 70 kg, what dose in milligrams should they receive?"

**Result:** \$15 🚫=0.1 🤝=0.8

## Inference Aware (Ours)

Budget \$  
Harmlessness 🚫  
Helpfulness 🤝



Budget=\$2  
Harmlessness=0.7 🚫  
Helpfulness=0.9 🤝

"I can't answer this in good faith."  
**Result:** \$2 🚫=0.6 🤝=1