Query: Alex has a row of bins, labeled with the integers in order, His magic marble starts at bin 0, ...
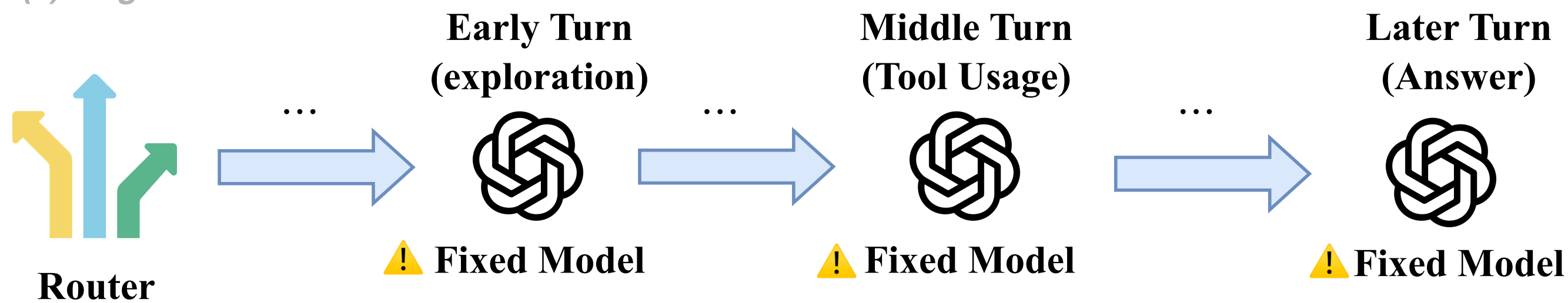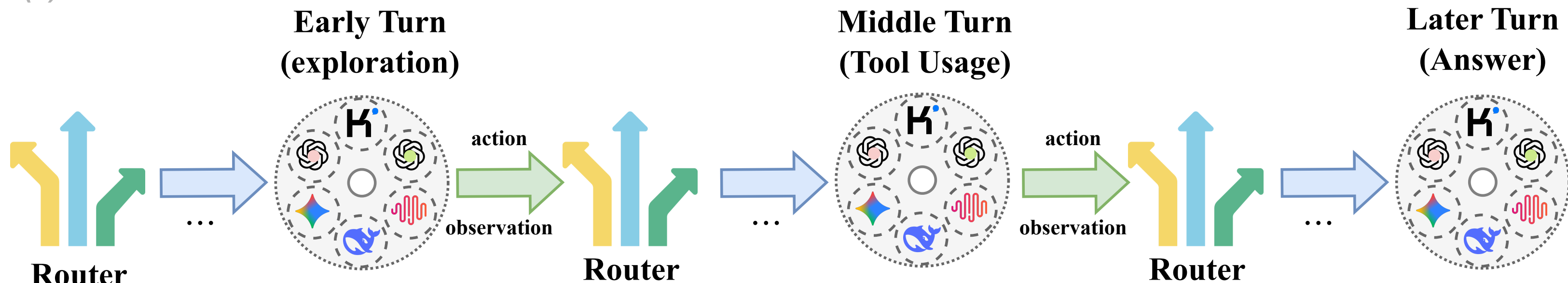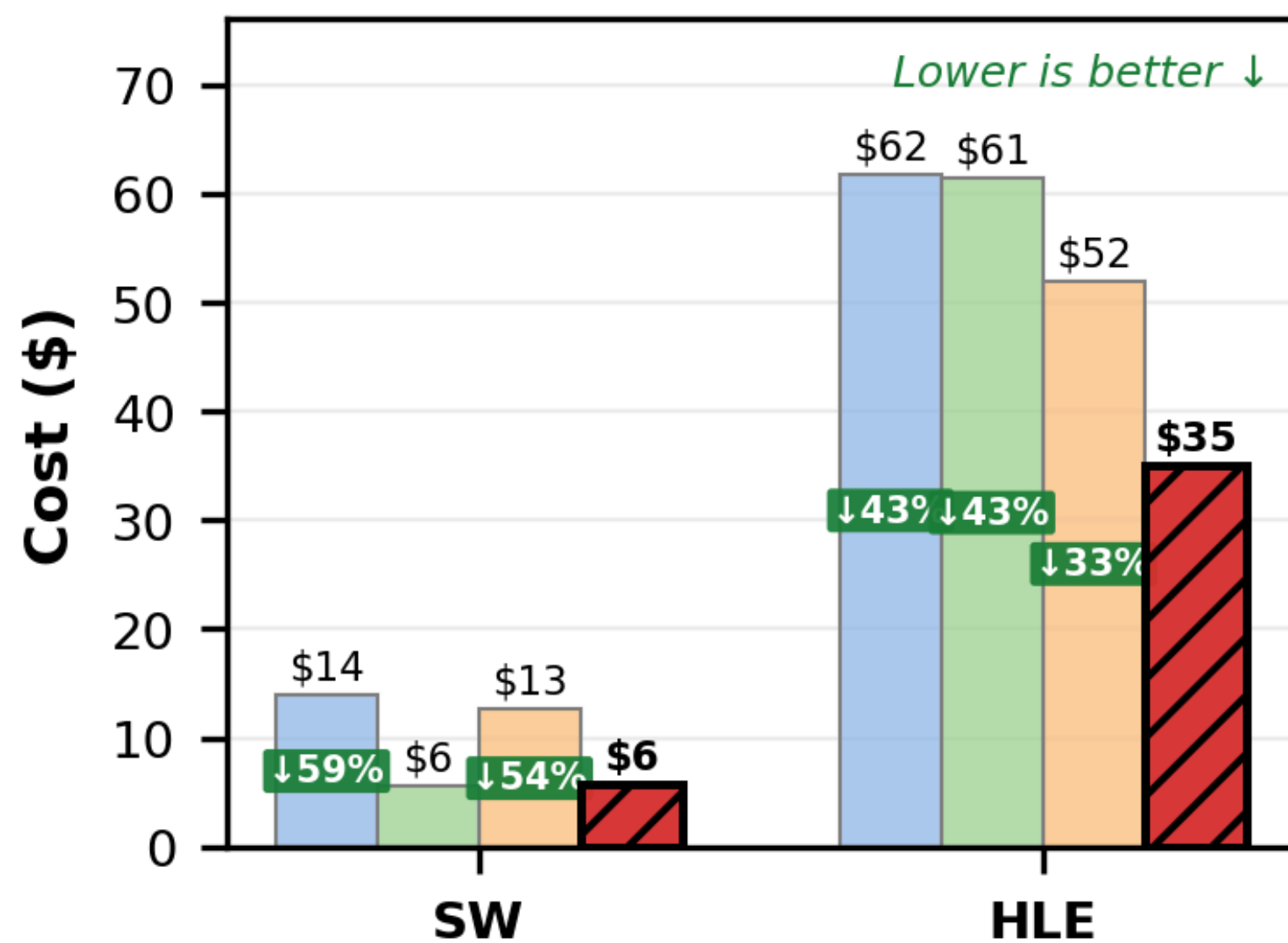
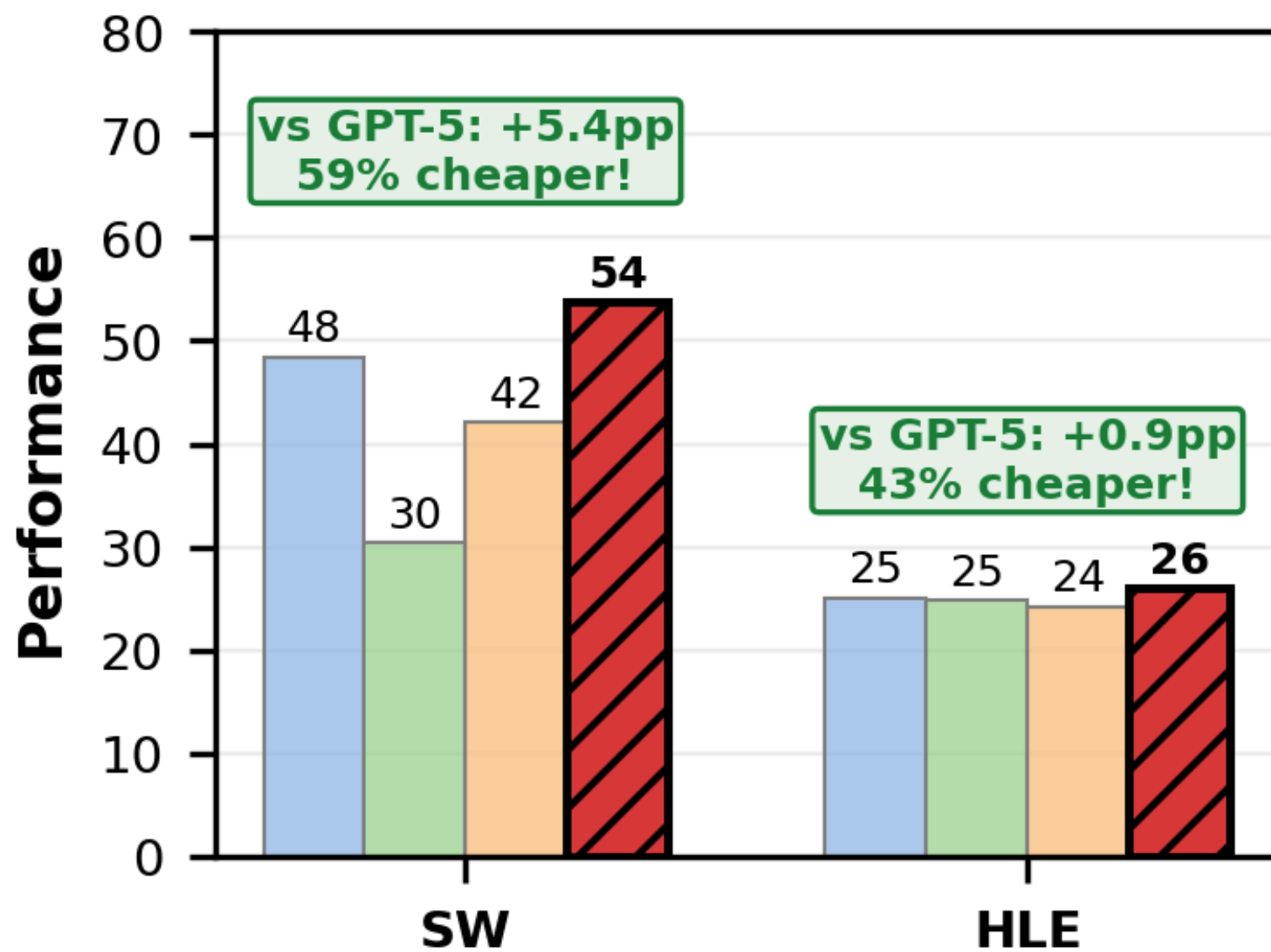*(a) single turn router*

Early Turn (exploration) — ⚠ Fixed Model

Middle Turn (Tool Usage) — ⚠ Fixed Model

Later Turn (Answer) — ⚠ Fixed Model

Router

(b) multi turn router

Early Turn (exploration)

action / observation

Middle Turn (Tool Usage)

action / observation

Later Turn (Answer)

Router

(c) VOLT comparison

vs GPT-5: +5.4pp 59% cheaper!

vs GPT-5: +0.9pp 43% cheaper!

Lower is better ↓

GPT-5 | EmbedLLM | Router-R1 | VOLT (Ours)