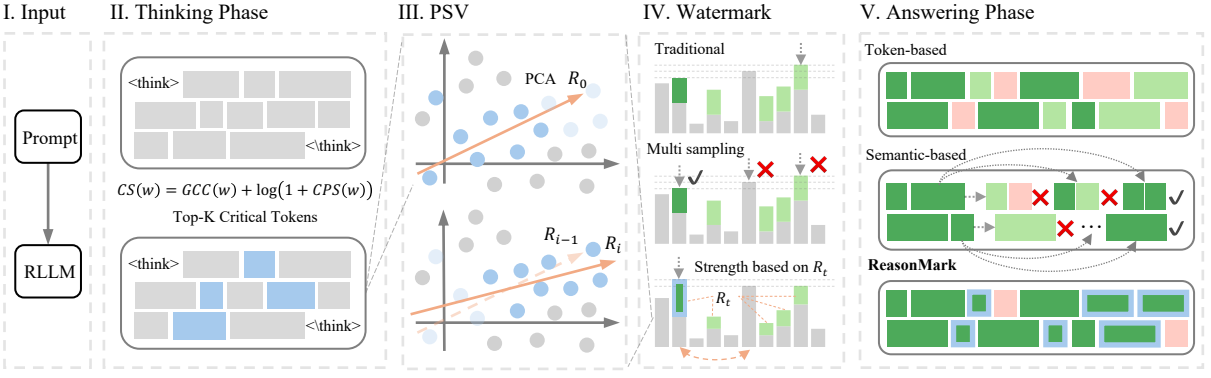
I. Input
II. Thinking Phase
III. PSV
IV. Watermark
V. Answering Phase
Prompt
RLLM
<think>
<\think>
$CS(w) = GCC(w) + \log(1 + CPS(w))$
Top-K Critical Tokens
PCA R_0
R_{i-1}
R_i
Traditional
Multi sampling
Strength based on R_t
R_t
Token-based
Semantic-based
ReasonMark
Normal Tokens
Critical Tokens
Disruptive Green Tokens
Coherent Green Tokens
Coherent Green Tokens Guided by Semantic Direction
Red Tokens
PSV R_i , where R_0 Initialized with PCA
Semantically aligned
Semantic Guided Strength
Sampling One time
Reject or Accept Sampling
Model Logits