

Task Definition

Question:

A train leaves City A at 8:00 AM, traveling at a constant speed of 60 km/h.

Another train leaves City B (180 km away) at 9:00 AM, heading toward City A. What time will the two trains meet?

Answer:

9:48 AM



Long-CoT : <think>First, Train A starts at 8:00 AMSecond, Relative speed = $60 + 90 = 150$ km/h.....Emm, Let me check..Aha, I will revise my previous answer.....Wait, these steps maybe</think> The final answer is : 9:48 AM.

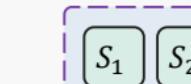
SFT



Missing Information
Limited Learning

Excess Reflection
Skewed Thinking

① Adaptive Truncation



Judge Prefix
ENOUGH or NOT



Search More

Binary Search

② Prefix Alignment



Minimal &
Sufficient



CoT

CoT

Mstudent

CoT

Concatenate

Supervision Signal :
<Prefix> ... </Prefix> + CoT

Supervision Fine-Tuning

