



Existing Model (Text-Only LLM):

<question>: user 950 visited POI 162 → POI 7728 → POI 3790 → POI 2504, what is the next POI? (without POI 404)

<answer>: user 950 will visit POI id 2504.

(Incorrect prediction)



Our Model:

<question>: user 950 visited POI 162 → POI 7728 → POI 3790 → POI 2504, what is the next POI? (without POI 404)

<answer>: user 950 will visit POI id 404.

(Accurate prediction)