



Dual Thinking Mode Adaptation



Slow Thinking in Complex Scenarios



Fast Thinking in Simple Scenarios





1. Scene Description

Chain of Thought

The ego vehicle is approaching a construction zone during daylight ...

- Front: A construction worker is in the center lane, holding a SLOW paddle, and a construction vehicle is blocking the right lane ...
- Left: The left lane is clear, with a few vehicles ahead
- Back: Light traffic is present at a distance behind the ego vehicle ...

2. Critical Object Description

- Construction Worker (center front): Holding a SLOW sign and gesturing, likely managing traffic flow around a construction zone ...
- Forklift/Loader (front right): Stationary and blocking the right lane...

3. Reasoning on Intent

The ego vehicle was previously stopped and is now beginning to move slowly (velocity ≈ 0.44 m/s, low acceleration). The driving command is GO_STRAIGHT, but the direct path is blocked by both the construction worker and the forklift. Meanwhile, the left lane appears clear and viable, with enough space to safely merge.

4. Best Driving Action: change lane to the left with an acceleration.

