

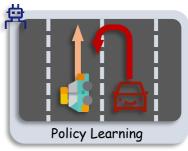
Rule-based Heuristics

Generative Models

## a) Safety-critical Scenario Generation

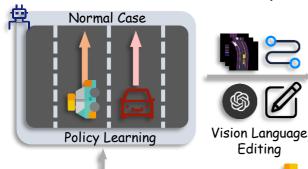


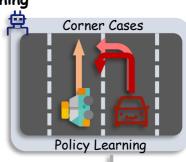






b) Closed-loop Learning





Updated Policy

## c) VLM-in-the-loop Adversary