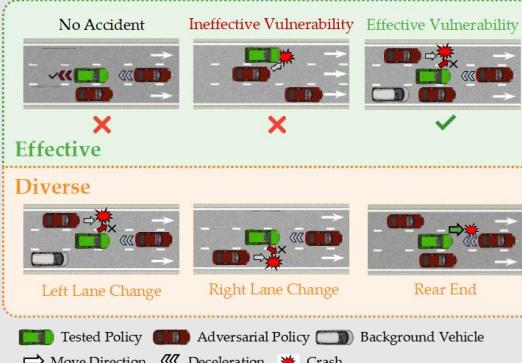


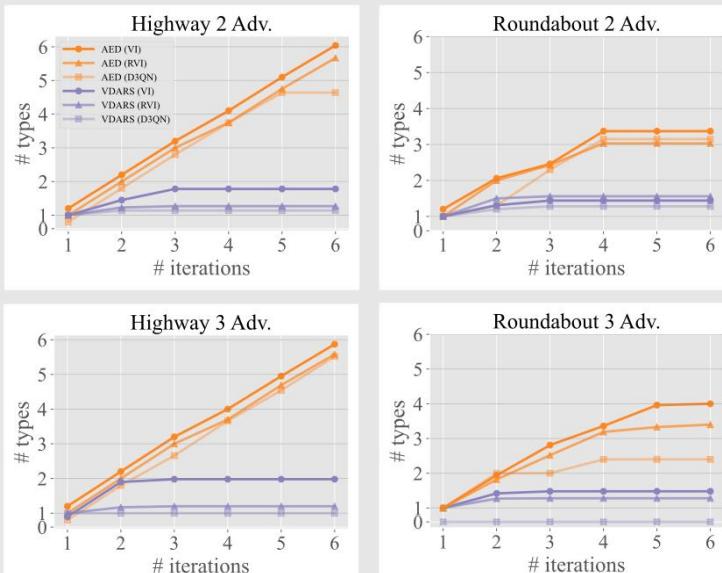


The Problem



It's challenging to *automatically* discover *effective* and *diverse* vulnerabilities in automatic driving policies.

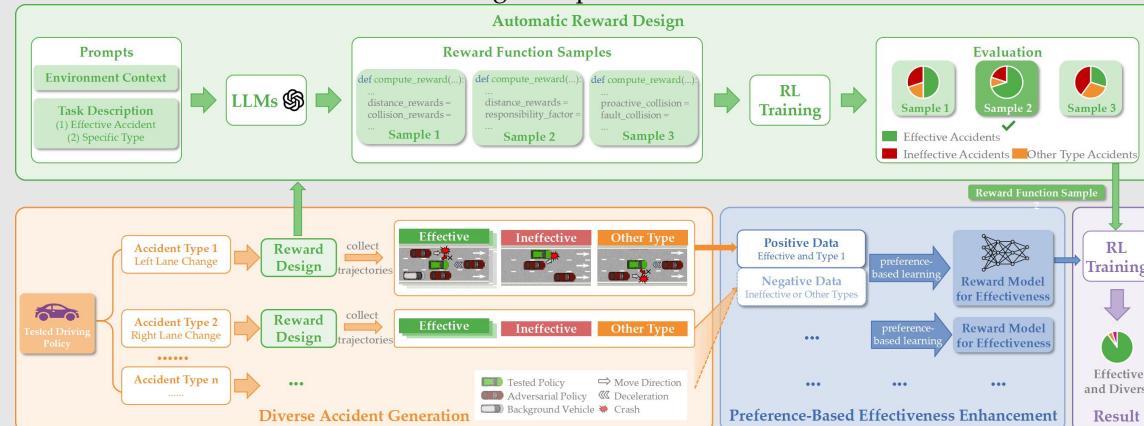
Evaluation of Diversit



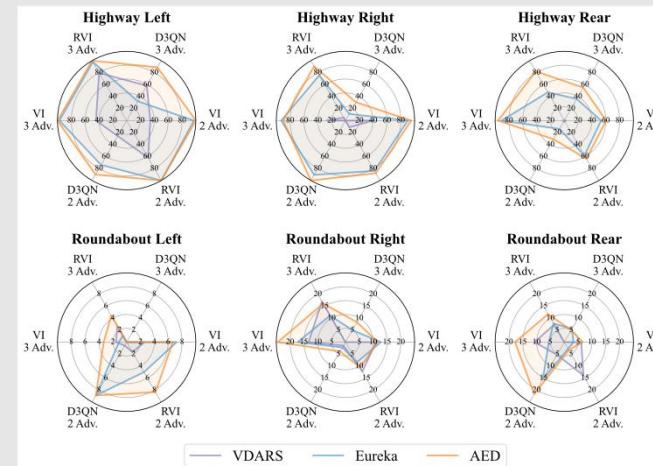
AED consistently discovers a broader set of distinct vulnerability types across different traffic environments.

Our Solution: AED

Leverage Large Language Models (LLMs) to automate reward design and preference-based learning to improve effectiveness



Evaluation of Effectiveness



AED consistently achieves **the highest effective vulnerability rates** across different traffic environments.