

Examples of safety violation 12: as shown in Figure 1, EV is driving through the lane. The vehicle *a* is driving ahead of EV on the lane, and vehicle *b* on the adjacent lane is driving faster than EV. Vehicle *a* decelerates and moves with a very slow speed (less than 1m/s) on the lane, and vehicle *b* is driving away from EV. EV detects vehicle *a* as a static obstacle, and then adjusts its route to plan an overtaking trajectory to go around it. When EV starts to change to the adjacent lane, it collides with vehicle *a*.

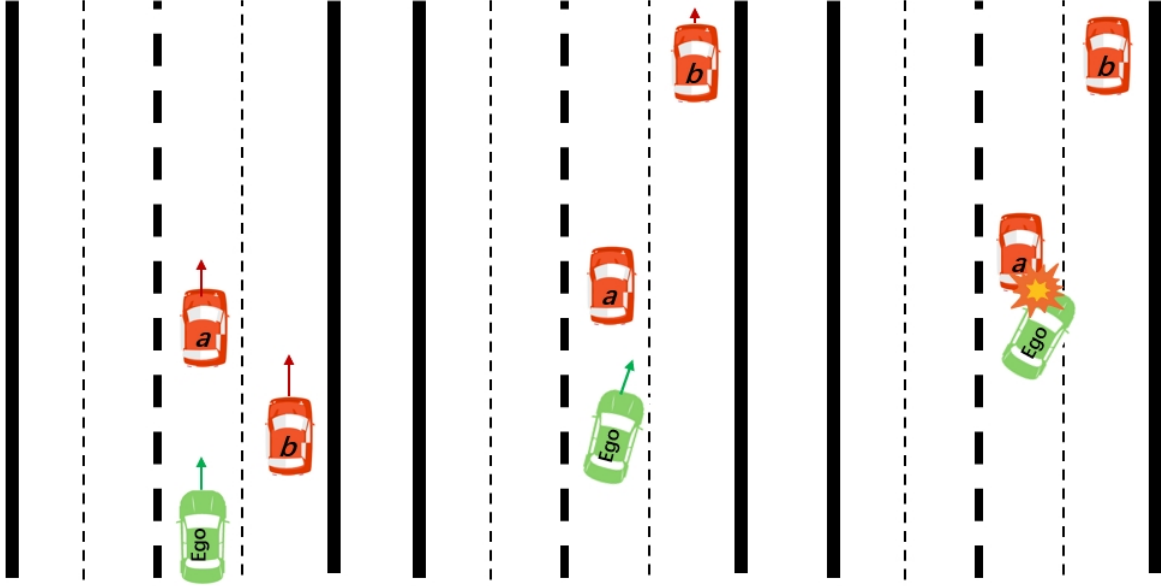


Figure 1: An example of safety violation 12