

Examples of safety violation 5: as shown in Figure 1, EV is driving along the lane to go through, and the vehicle *a* is driving slowly in front of EV on the lane. Another vehicle *b* is driving in front of EV on the adjacent lane. When EV is approaching vehicle *a*, it plans an overtaking trajectory to go around vehicle *a*. When EV changes to the lane of vehicle *b*, the vehicle *b* decelerates and stops in the front of EV. The distance between vehicle *b* and EV is enough for EV to change to the left lane to continue the driving task. However, EV fails to adjust a new trajectory to change lane again.

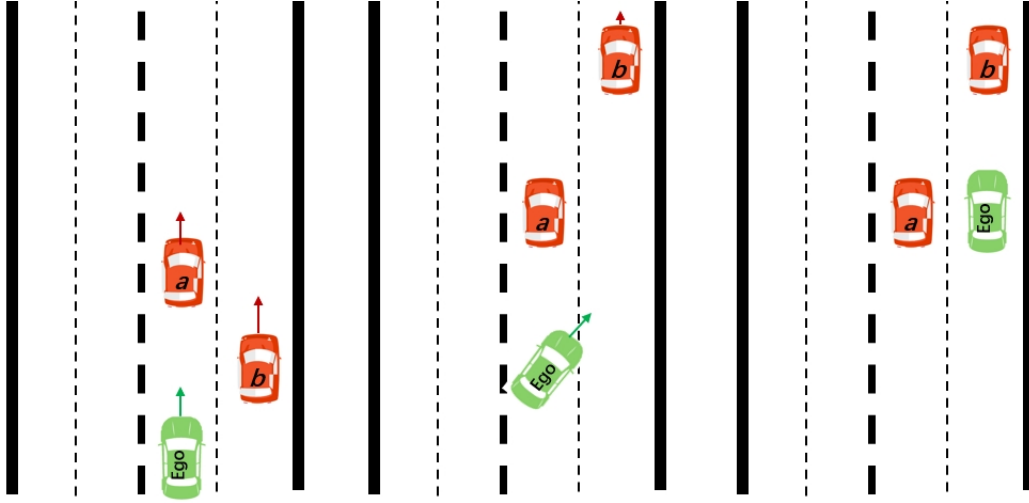


Figure 1: An example of safety violation 5