Roadway Variations

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CURVES

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- As you approach a curve

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  - **Make a mirror check for rear space area awareness.**

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  - **Check the left, front, and right space areas to know your options.**

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- As you approach a curve
  - Make a mirror check for rear space area awareness.
  - Check the left, front, and right space areas to know your options.
  - **Search into the curve to evaluate your travelpath before you turn the steering wheel.**

CURVES

- As you approach a curve
  - **Search 12 seconds ahead for new sightline or travelpath changes.**

CURVES

- Curves and hills reduce your sightline and hide your target area.

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  - **You are unable to see what you are driving into; therefore you cannot know how your travelpath is.**

CURVES

- Looking 12 seconds ahead into curves means:

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  - **Directing your eyes through the curve, trying to see to the end of the curve as soon as you possibly can.**

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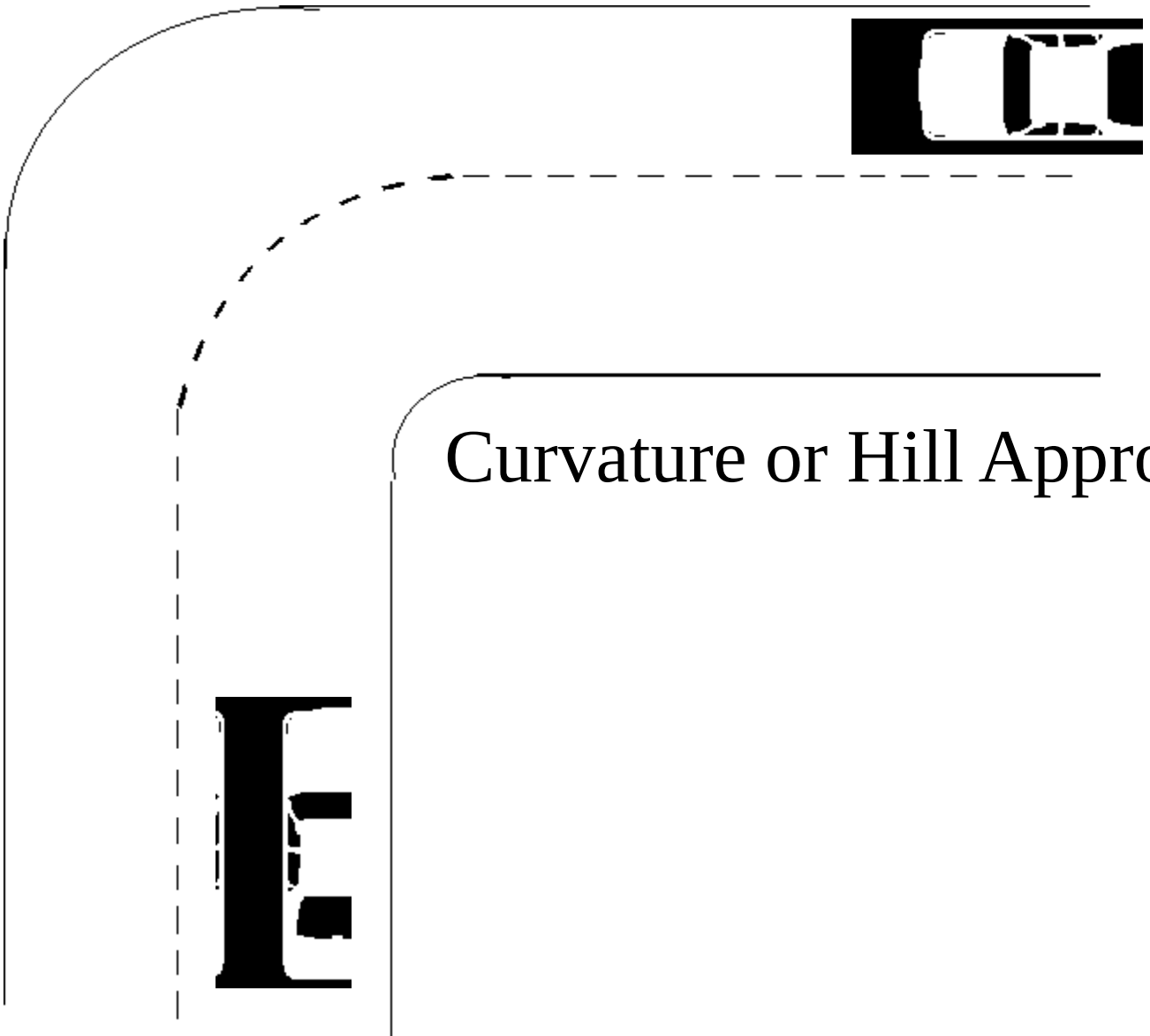
- Looking 12 seconds ahead into curves means:
  - Directing your eyes through the curve, trying to see to the end of the curve as soon as you possibly can.
  - **By looking through hills and curves, you are anticipating to see if your travelpath is open or closed to your vehicle's movement.**

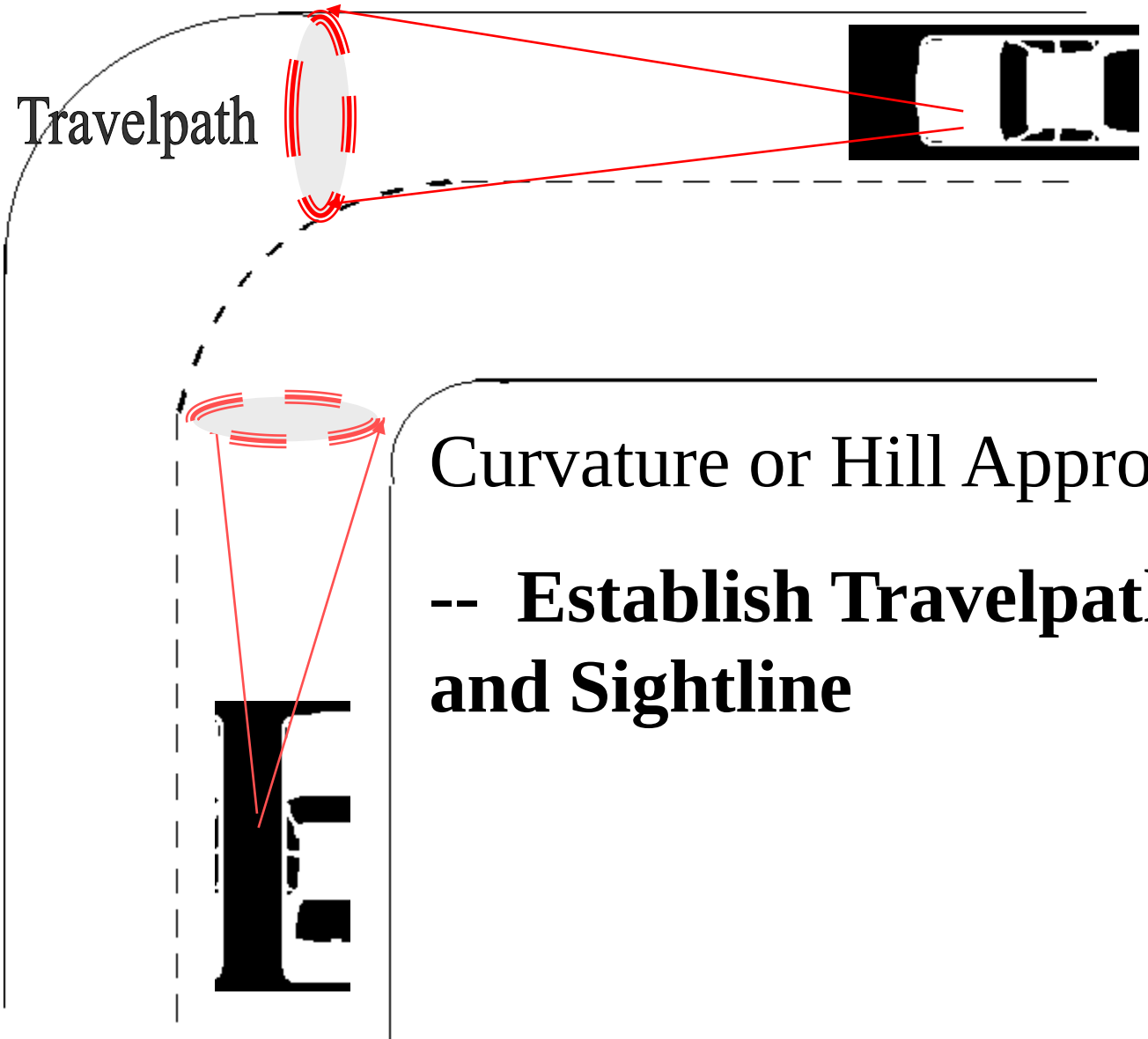
Curvature Sightlines

Curvature Sightlines



Curvature or Hill Approach

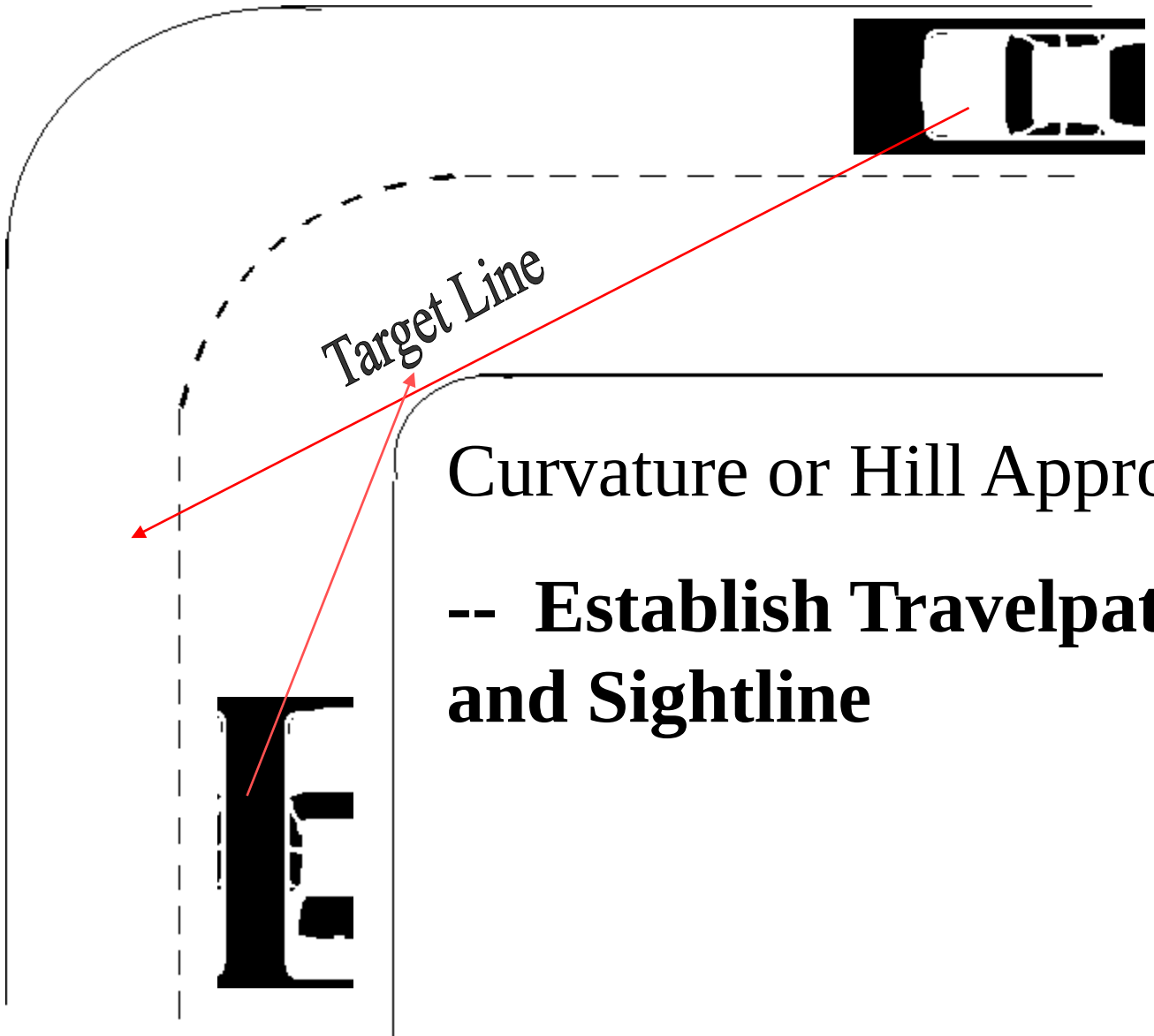
Curvature Sightlines



Curvature or Hill Approach

-- **Establish Travelpath and Sightline**

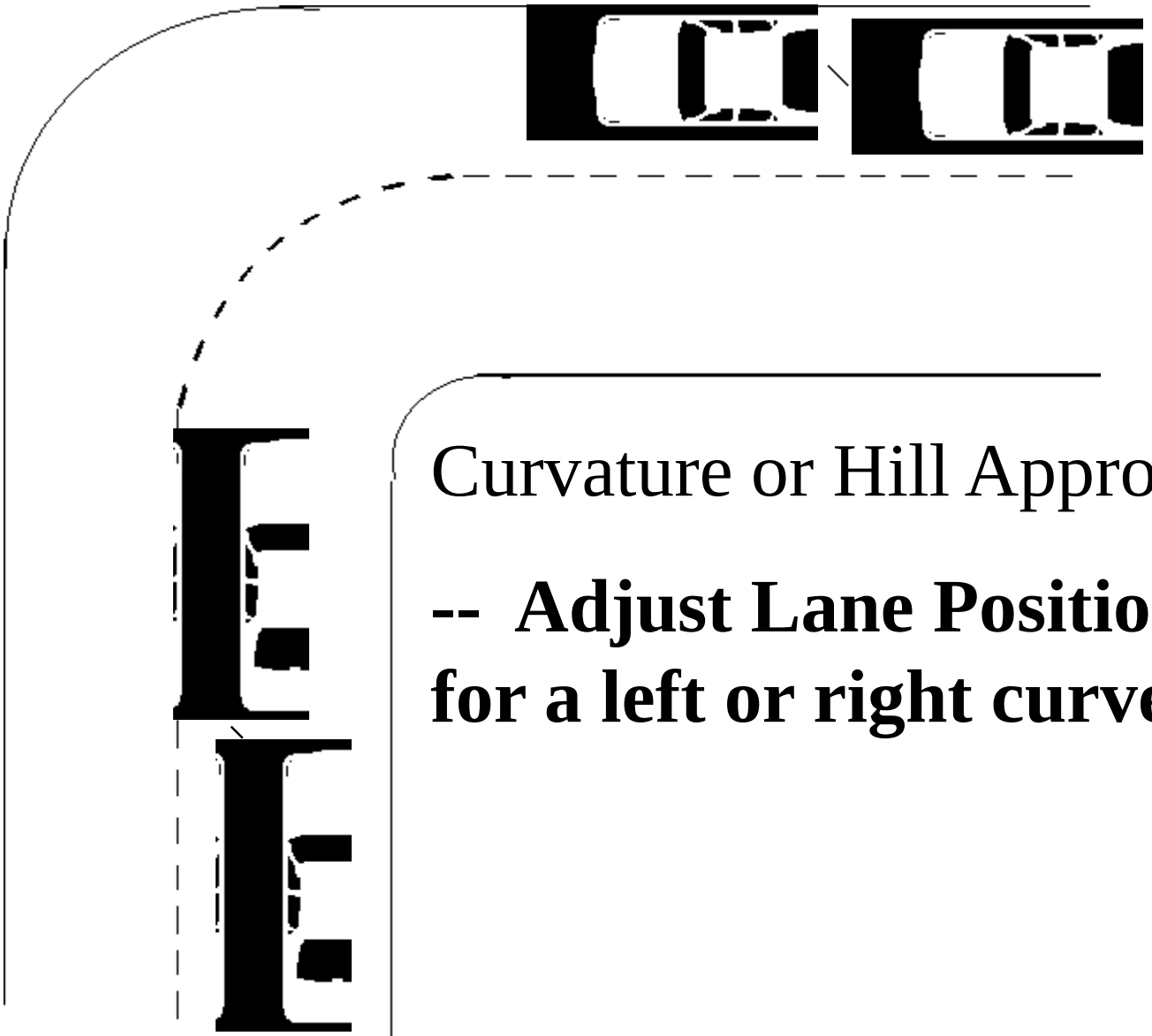
Curvature Sightlines



Curvature or Hill Approach

-- Establish Travelpath and Sightline

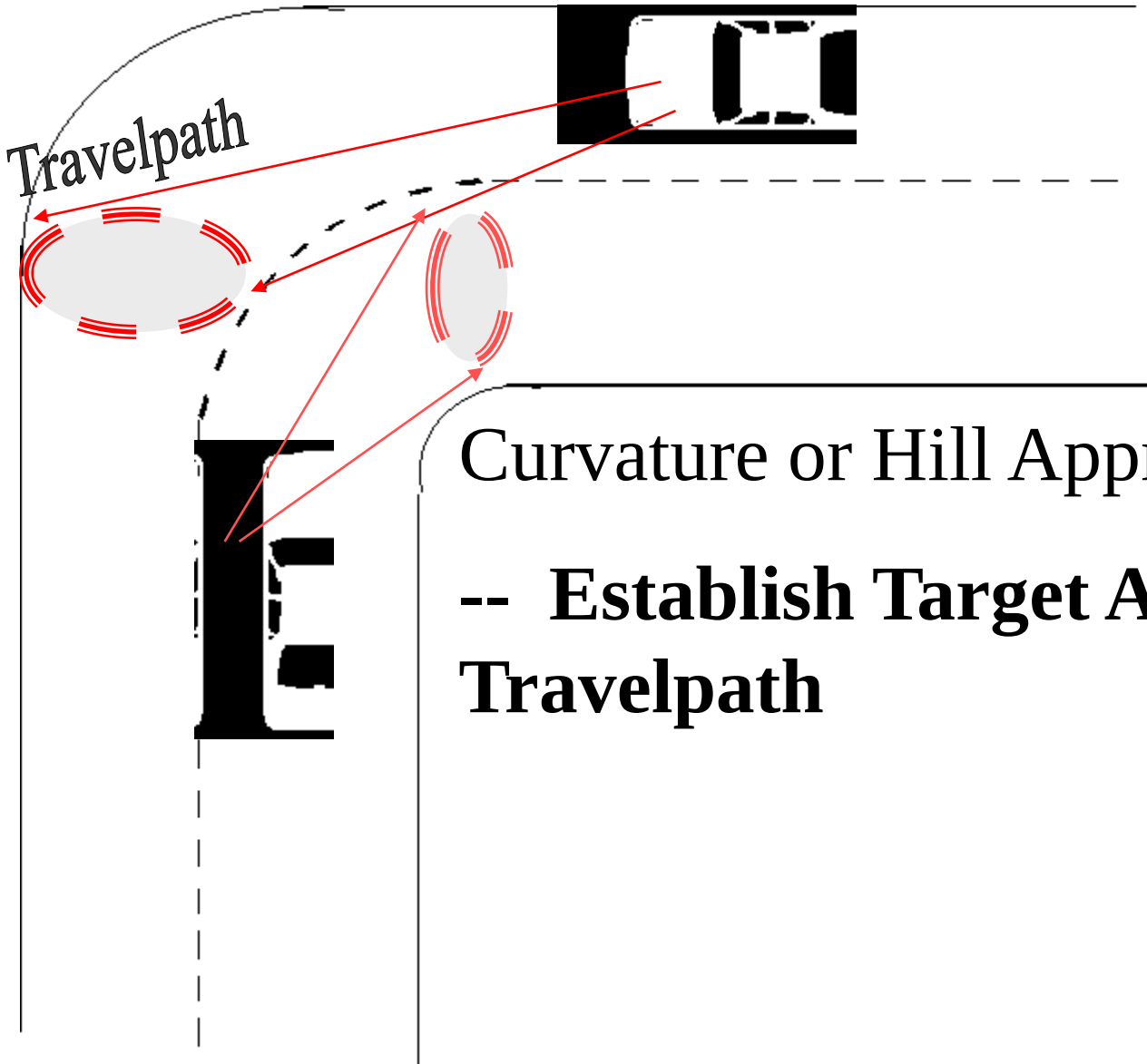
Curvature Sightlines



Curvature or Hill Approach

-- Adjust Lane Position for a left or right curve

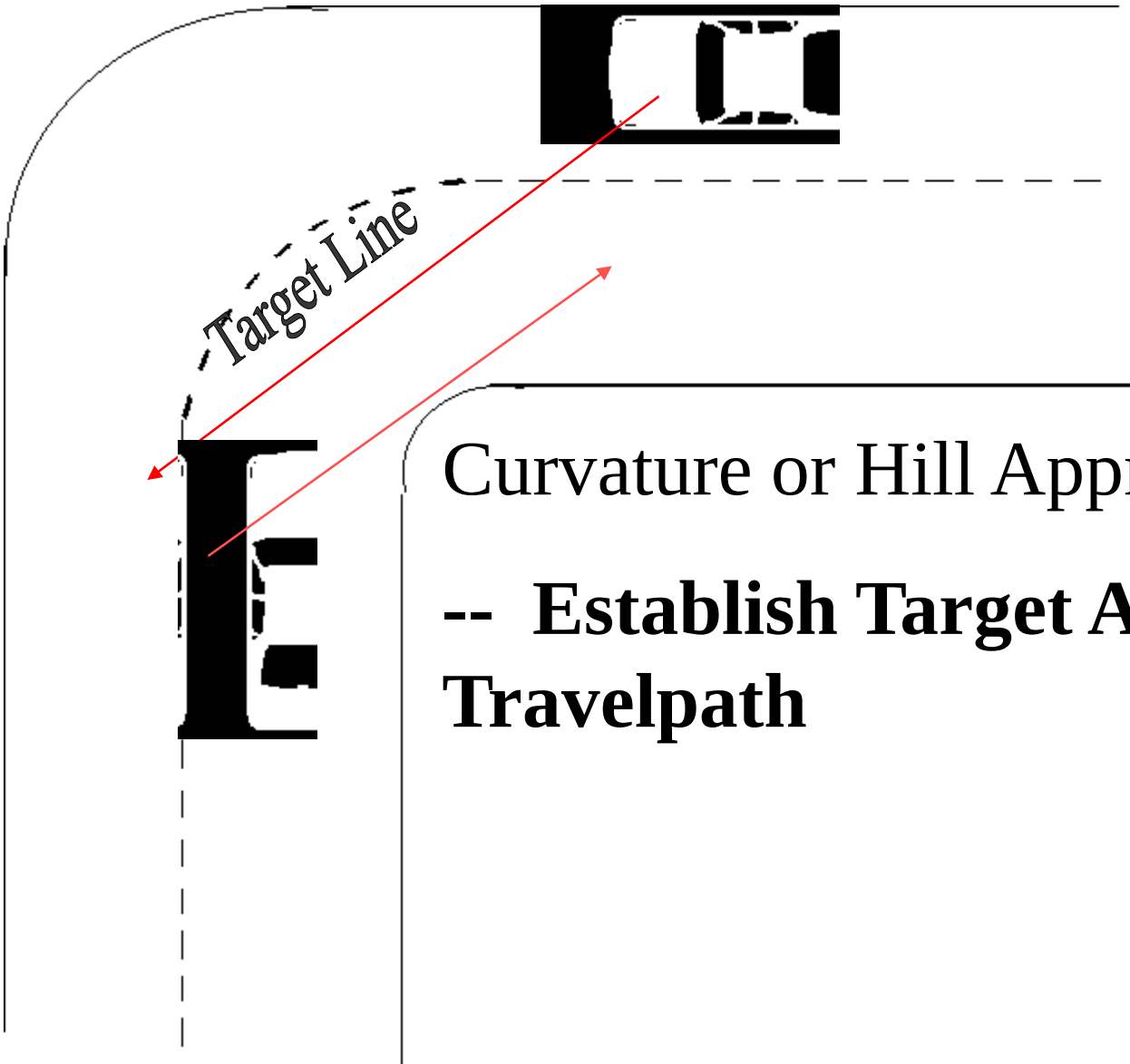
Curvature Sightlines



Curvature or Hill Approach

-- Establish Target Area in Travelpath

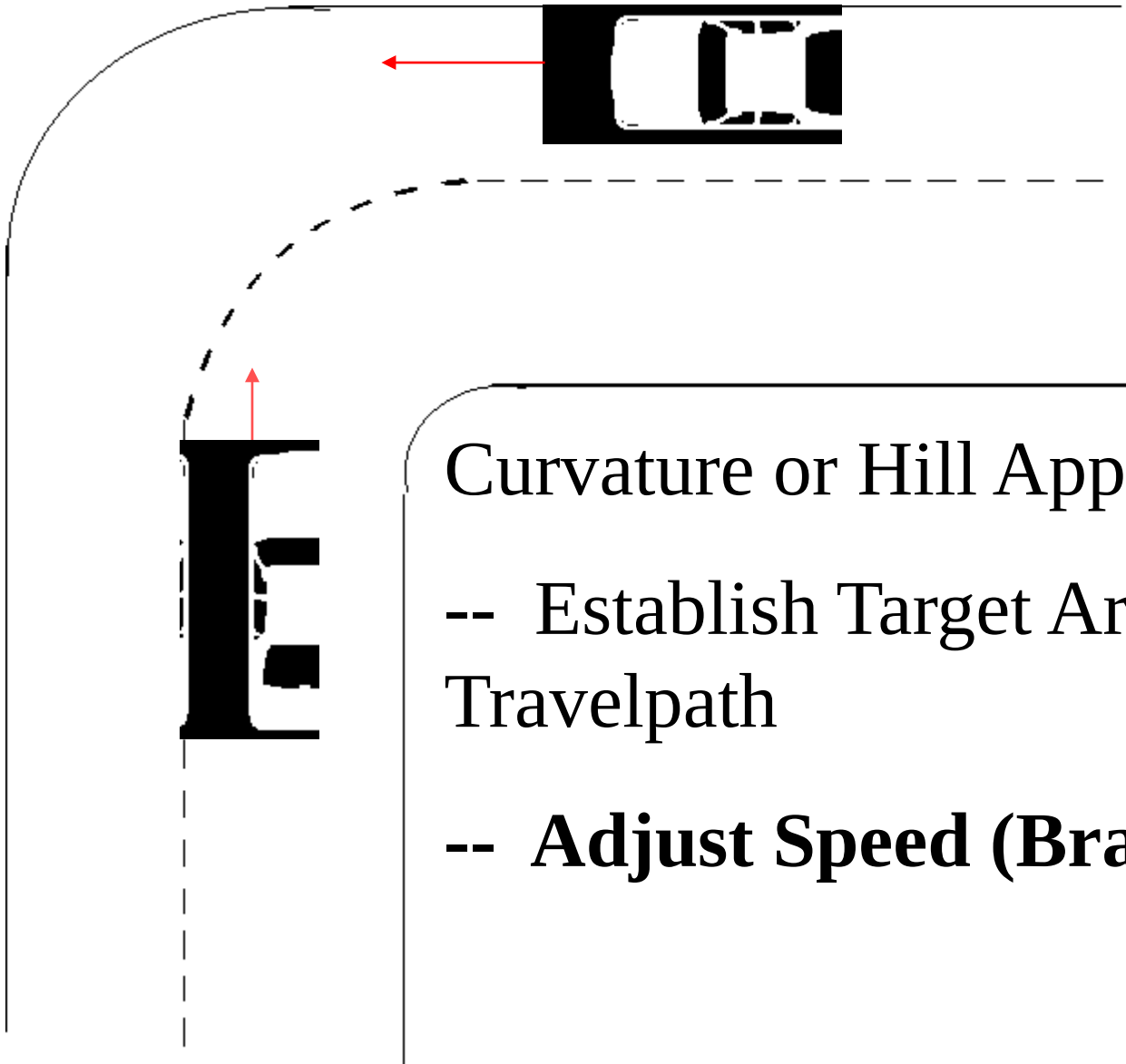
Curvature Sightlines



Curvature or Hill Approach

-- Establish Target Area in Travelpath

Curvature Sightlines

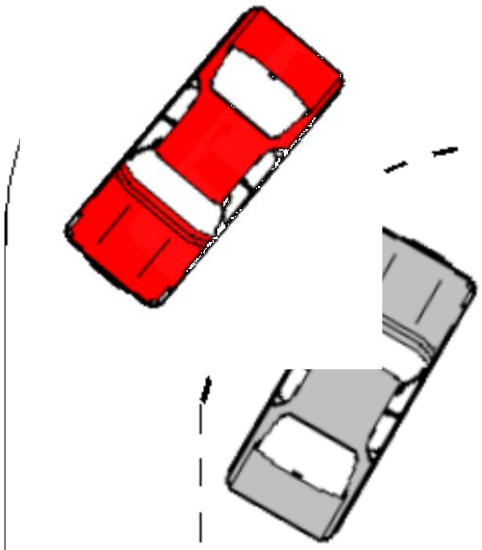


Curvature or Hill Approach

-- Establish Target Area in Travelpath

-- **Adjust Speed (Brake)**

Curvature Sightlines

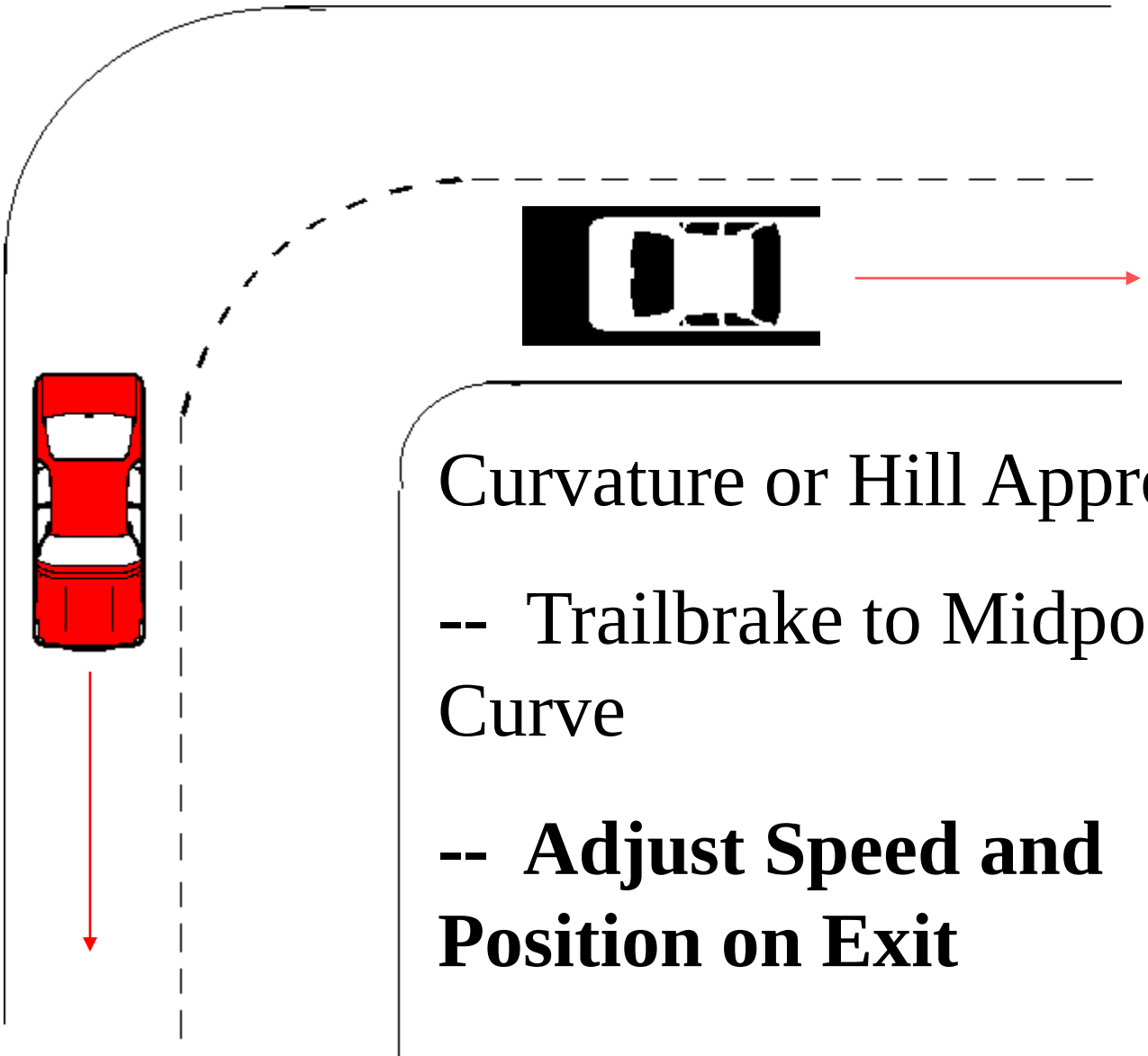


Curvature or Hill Approach

-- Adjust Speed (Brake)

-- **Trailbrake to Midpoint of Curve**

Curvature Sightlines



Curvature or Hill Approach

-- Trailbrake to Midpoint of Curve

-- Adjust Speed and Position on Exit

CURVES

- Speed Control on Curves

CURVES

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  - Reduce speed due to:

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  - Reduce speed due to:
    - **Shortened sight distance**

CURVES

- Speed Control on Curves
  - Reduce speed due to:
    - Shortened sight distance
    - **Momentum**

CURVES

- Speed Control on Curves
  - Reduce speed due to:
    - Shortened sight distance
    - Momentum
    - **Inertia forces (Car tends to go straight to the outside of the curve)**

CURVES

- Speed Control on Curves
  - If you drive too fast:

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  - If you drive too fast:
    - **You could cause the car to skid toward the outside of the curve (called an understeer or front traction loss)**

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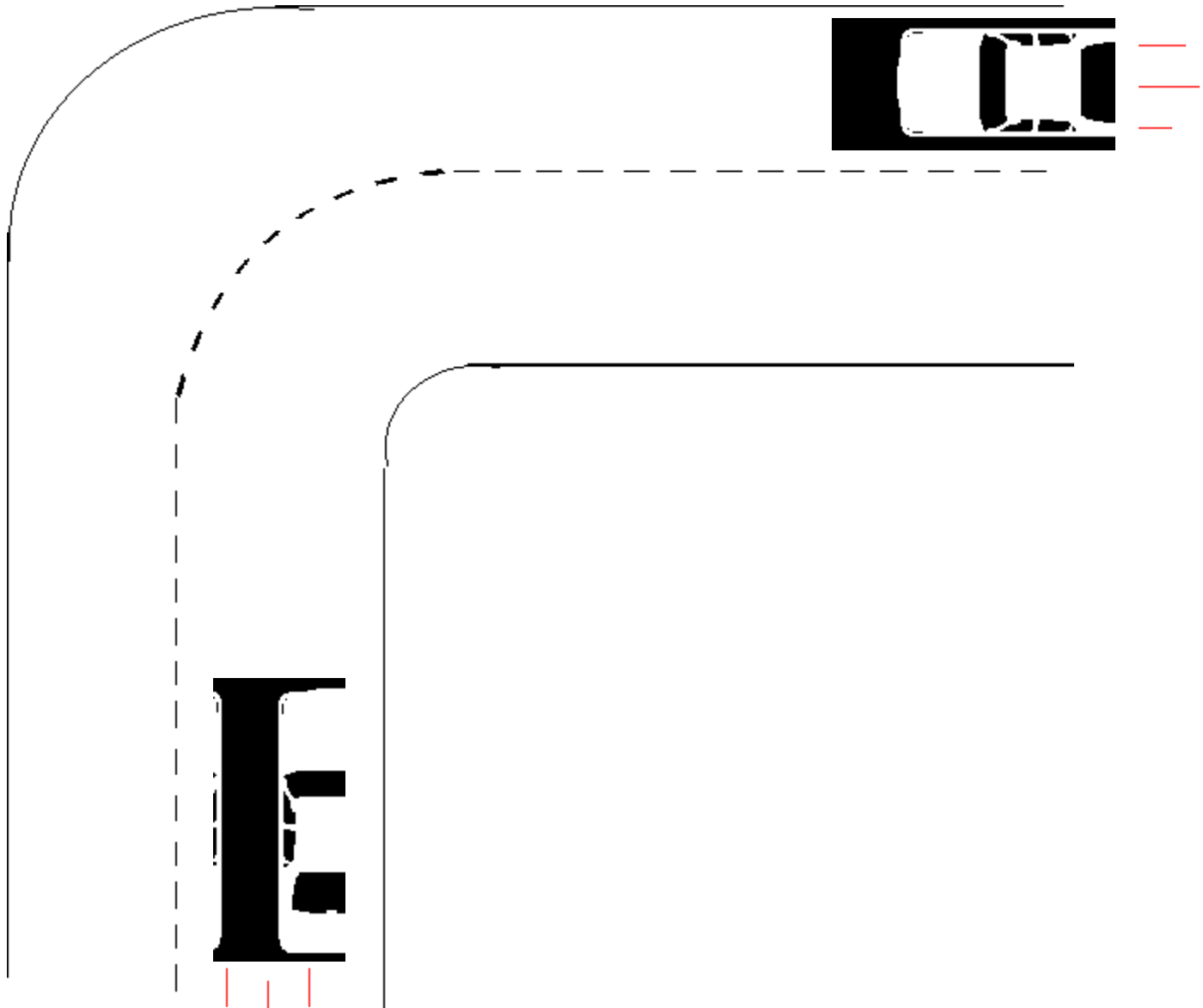
- Speed Control on Curves
  - If you drive too fast:
    - You could cause the car to skid toward the outside of the curve (called an understeer or front traction loss)
    - **The driver could lose control of the car**

CURVES

- Speed Control on Curves
  - If you drive too fast:
    - **In response to this traction loss, drivers often brake too hard and lock the wheels causing the vehicle to skid off the road in a forward direction**

Driving Too Fast For a Curve



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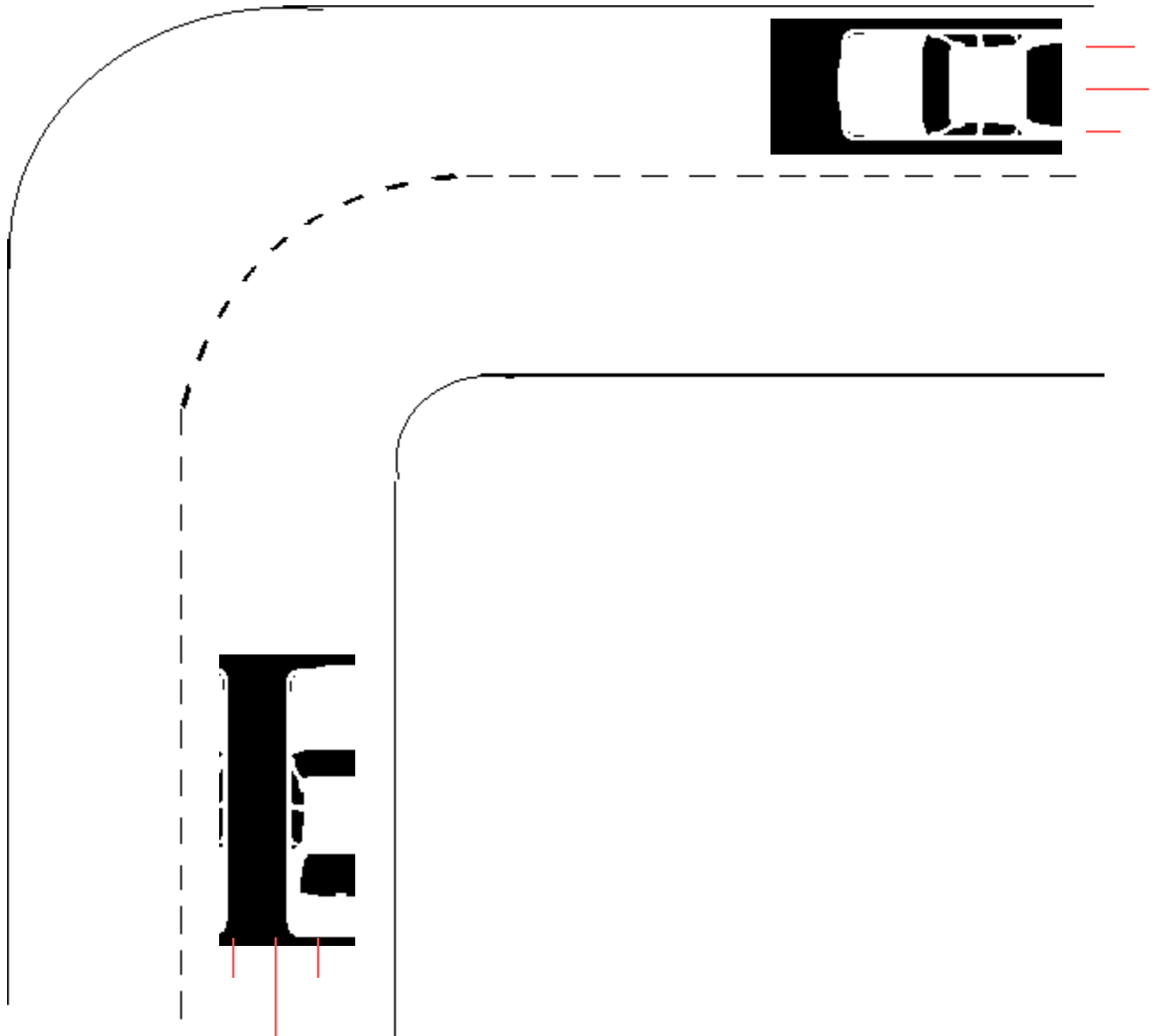

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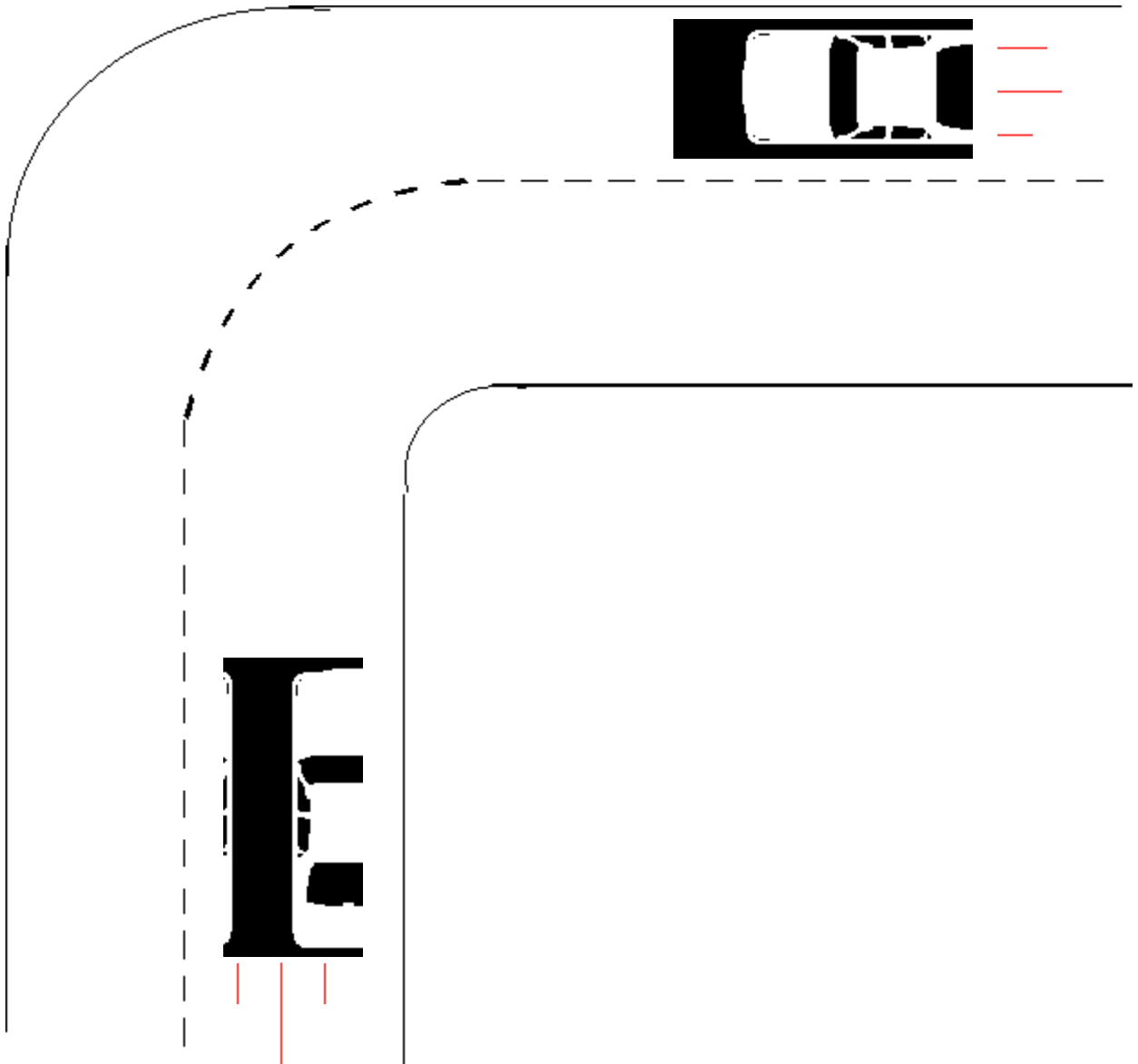
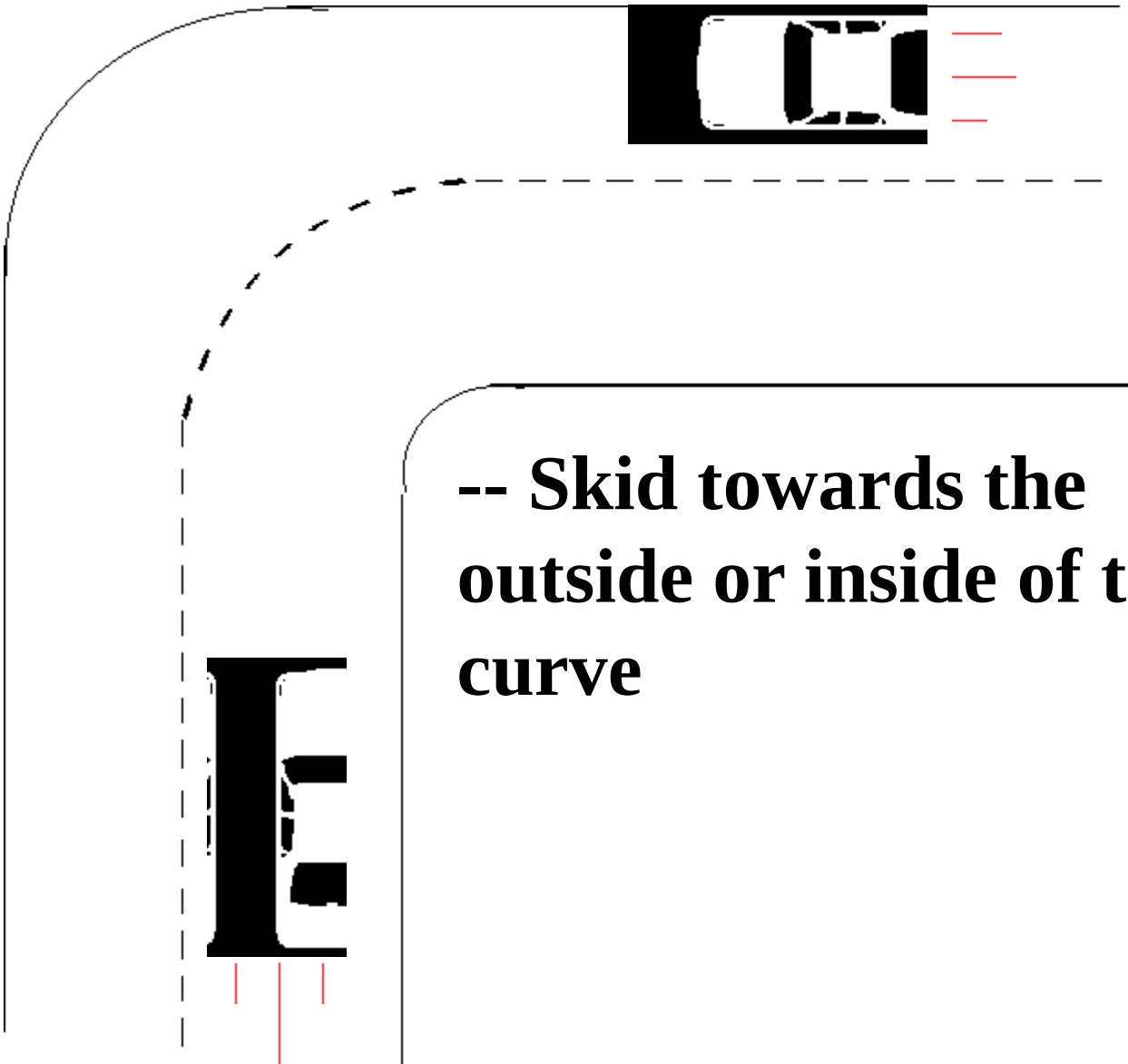
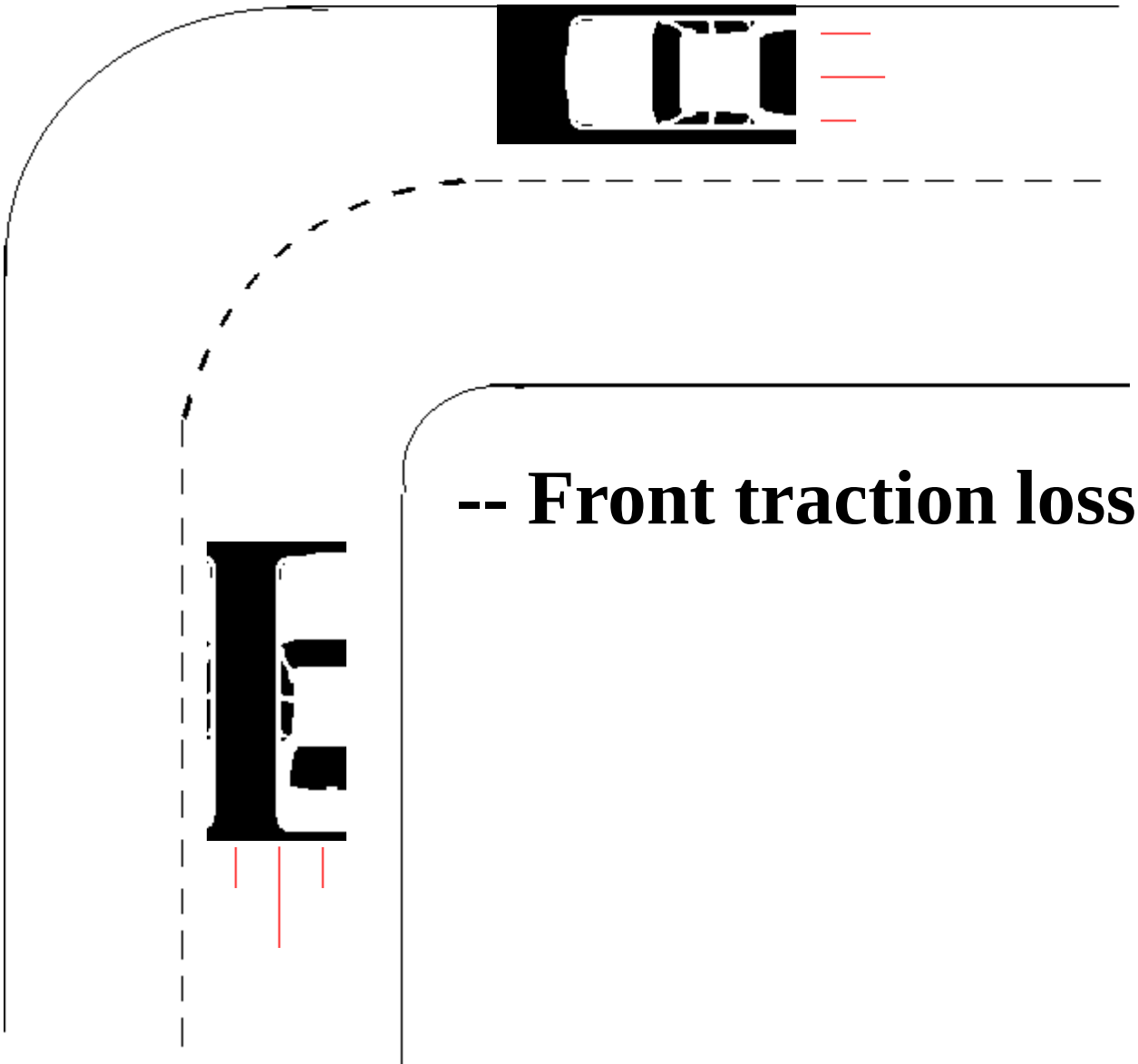


Driving Too Fast For a Curve



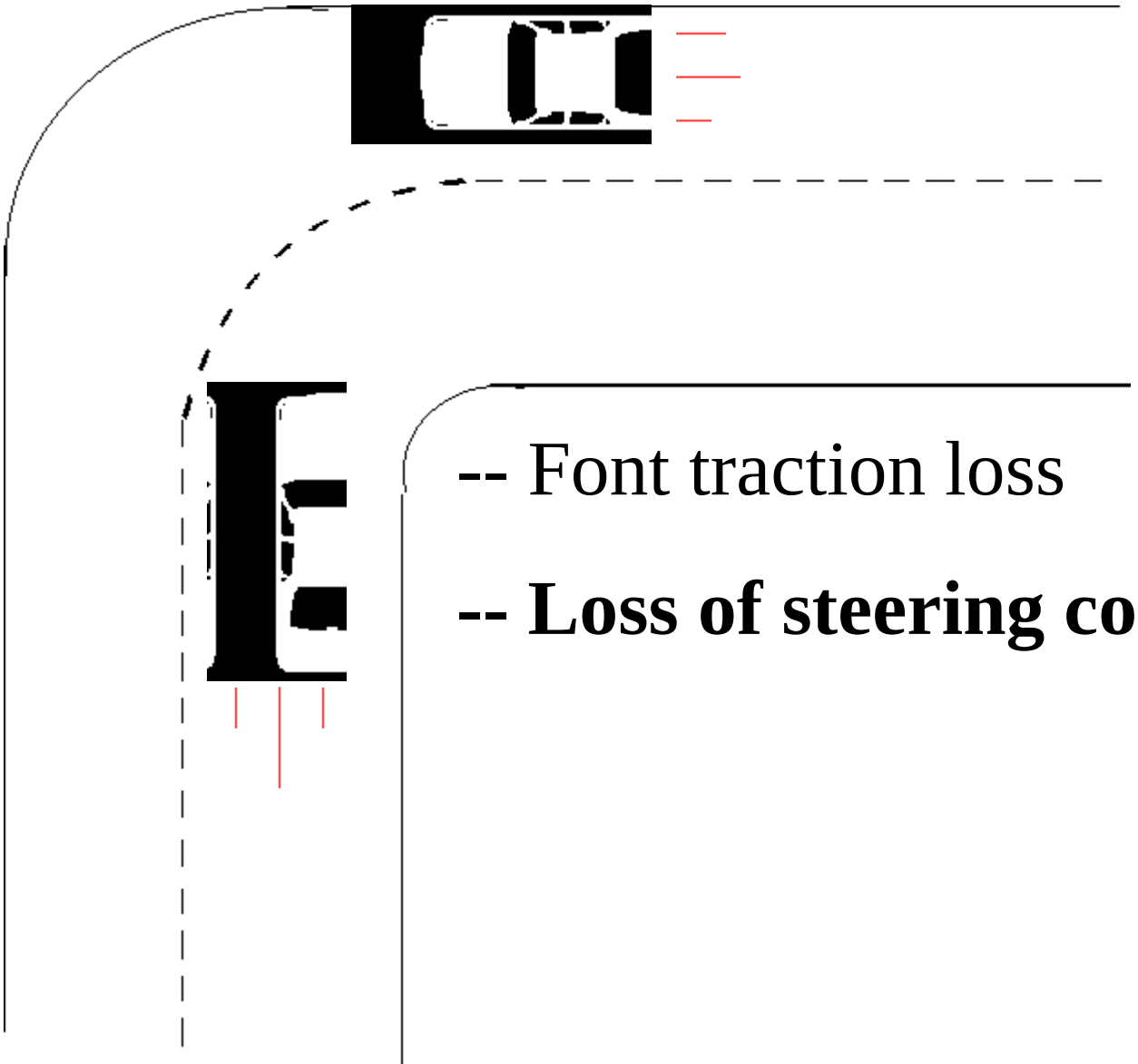
-- Skid towards the outside or inside of the curve

Driving Too Fast For a Curve



-- Front traction loss

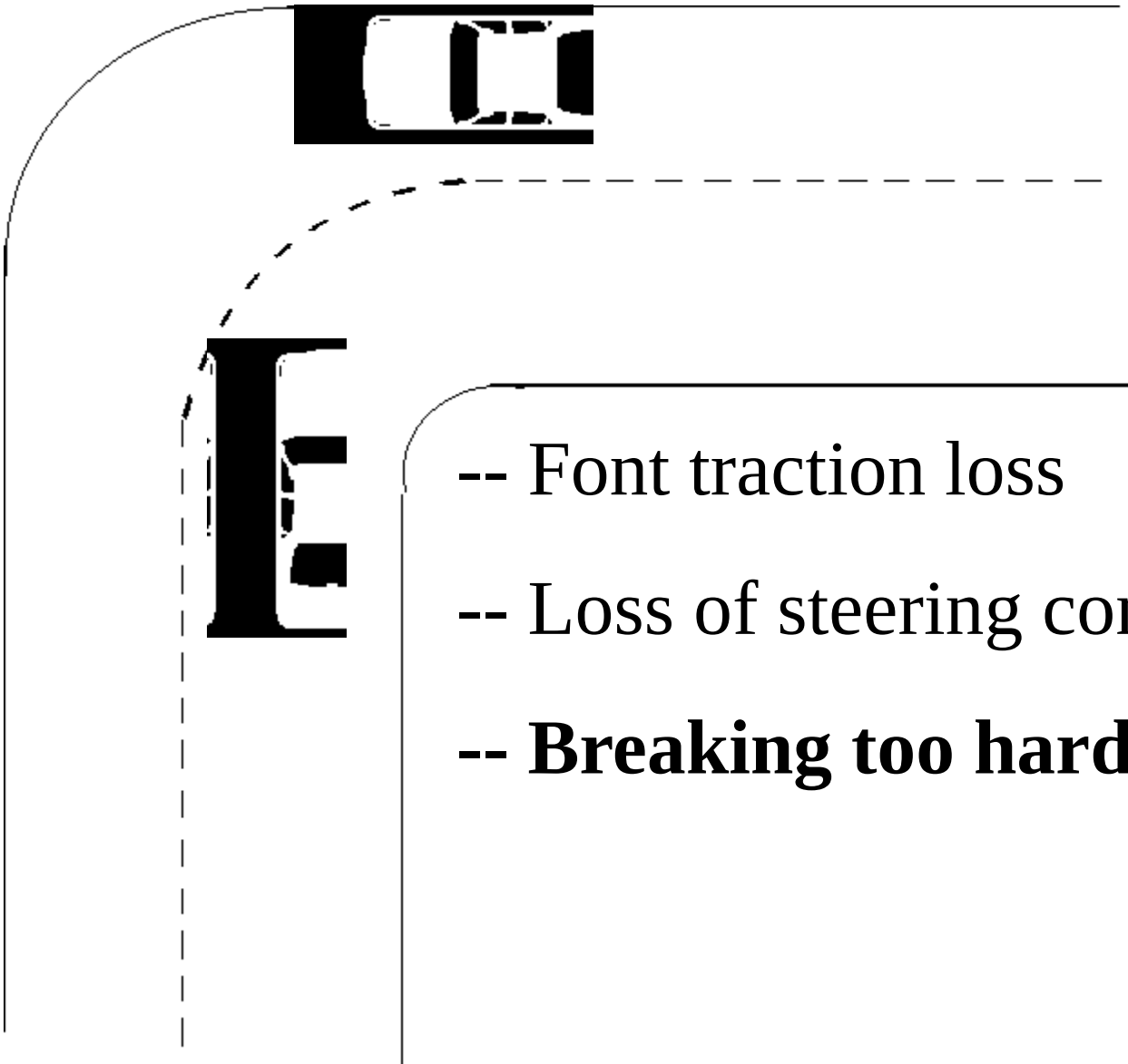
Driving Too Fast For a Curve



-- Font traction loss

-- Loss of steering control

Driving Too Fast For a Curve

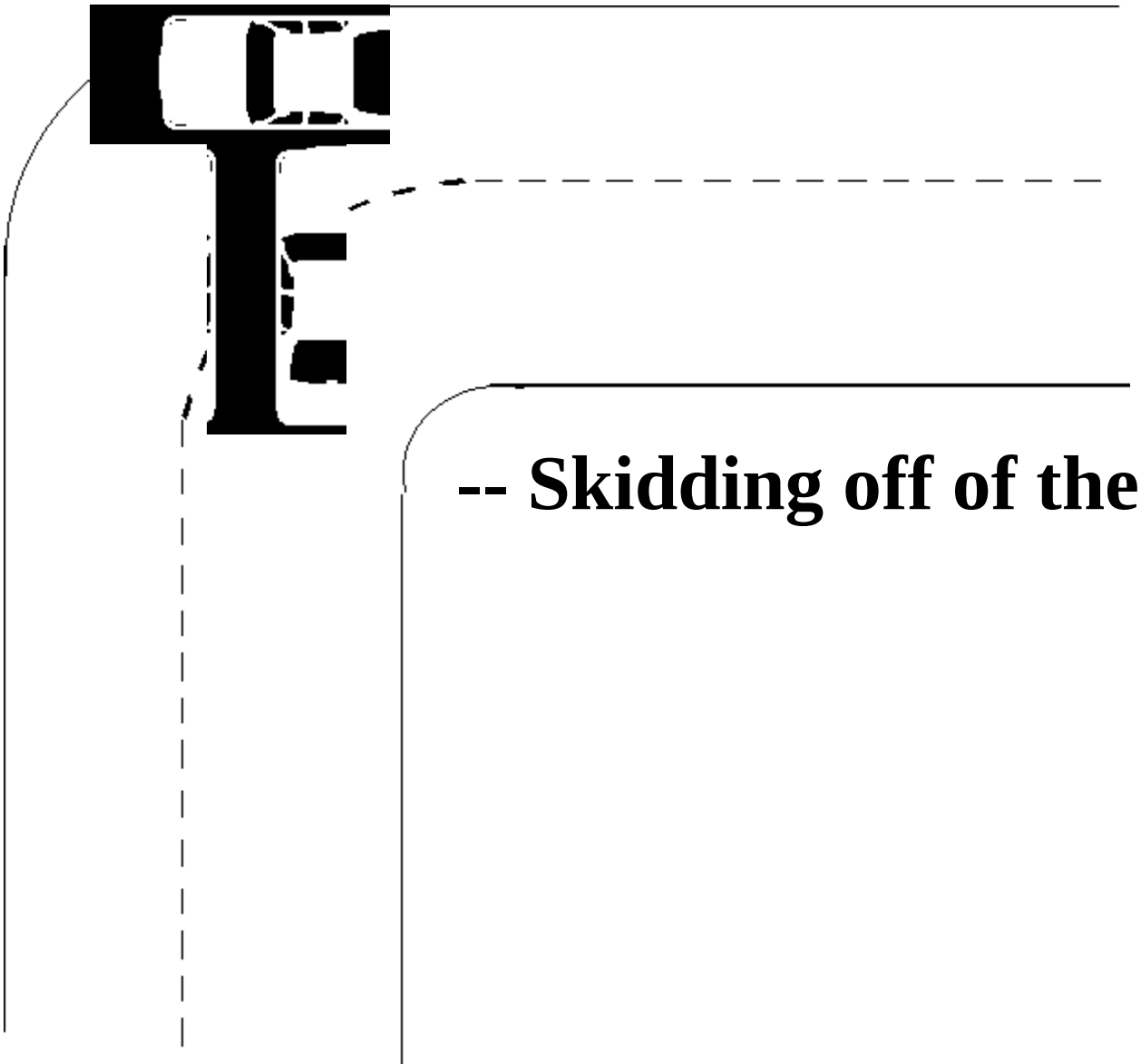


-- Font traction loss

-- Loss of steering control

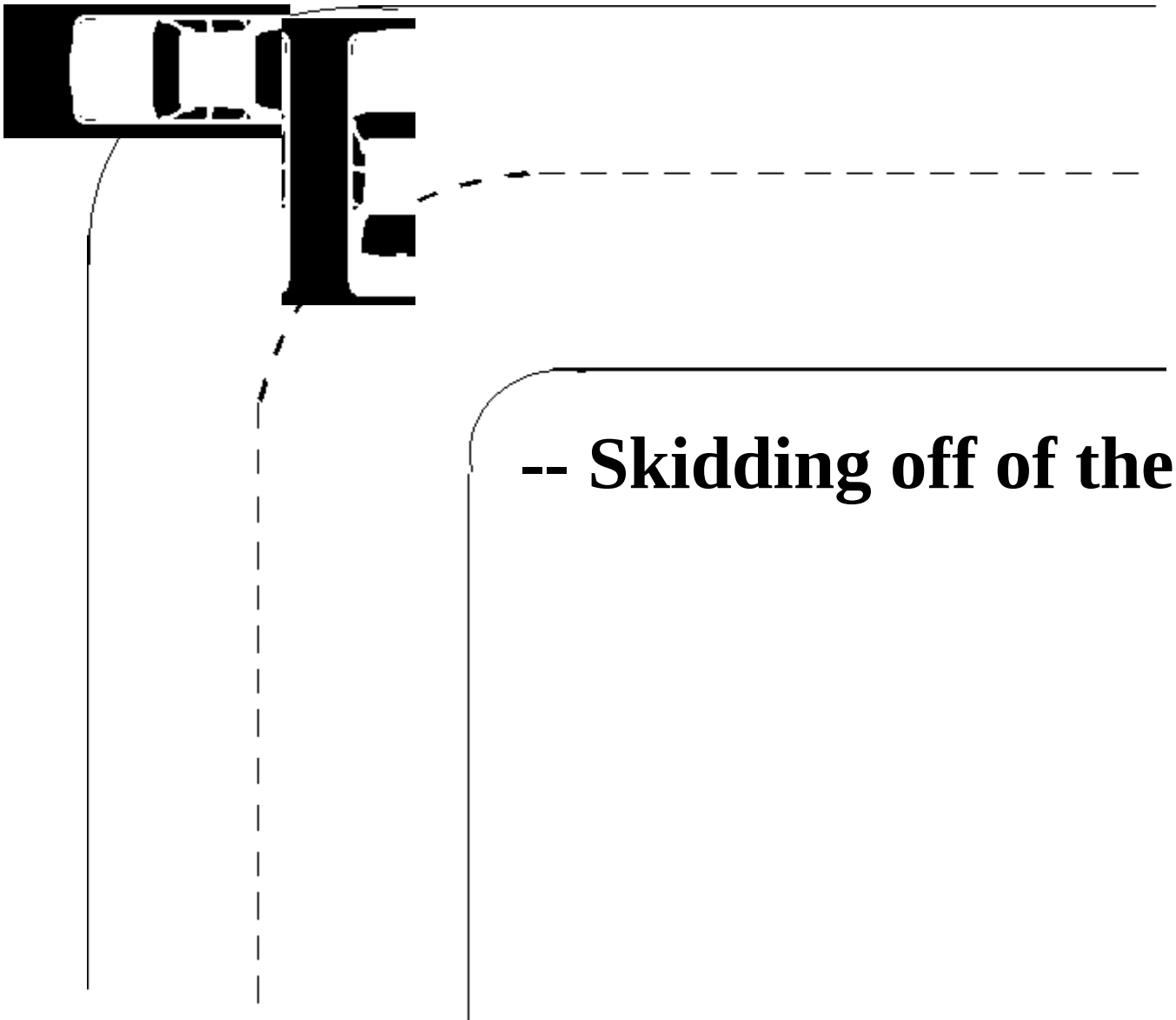
-- **Breaking too hard**

Driving Too Fast For a Curve



-- Skidding off of the road

Driving Too Fast For a Curve



-- Skidding off of the road

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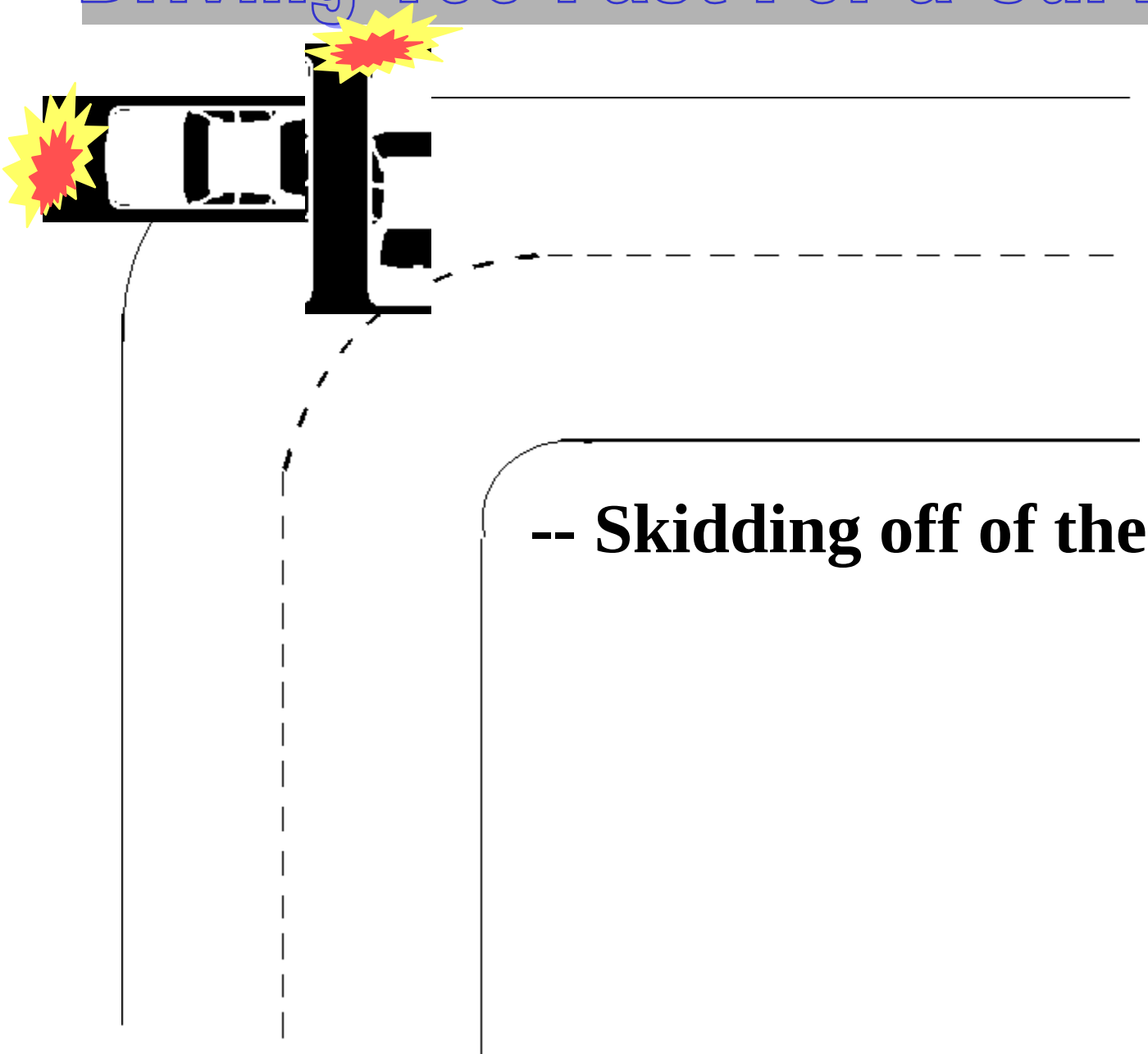

-- Skidding off of the road

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  - **Slows before entering a curve**

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  - **Moves to lane position 3 or 2**

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- The chances of a vehicle skidding are minimized when a driver:
  - Slows before entering a curve
  - Moves to lane position 3 or 2
  - **Maintains control of speed through the first half of the curve by trail breaking**

CURVES

- The chances of a vehicle skidding are minimized when a driver:
  - **And slightly accelerates through the rest of the curve, keeping the steering wheel steady**

Recommendations for Curves

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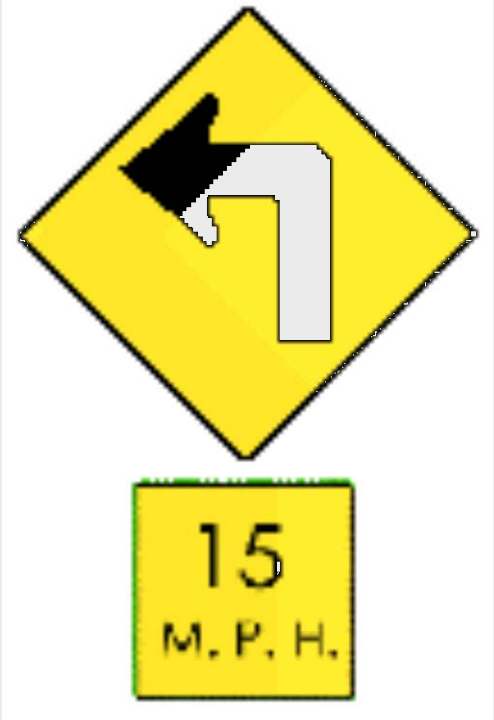
- **Watch for curve signs**



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- **Look well ahead to anticipate steering corrections**

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- **Slightly accelerate coming out of the curve**

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- Watch for curve signs
- Look well ahead to anticipate steering corrections
- Reduce speed for sightline distance problems
- Slightly accelerate coming out of the curve
- **A tap of the brake may help to regain traction if needed**