

Question:

In the figure, the arrows point to object A. What is the direction of movement for object A?

Answer:

The A is driving along the road toward the downward direction.

Subject:

Spatial Relations

Textual CoT Visual CoT

step_1:

Confirm the front and rear of the A. As seen in the image, The arrow labeled A is a vehicle. The front usually has headlights, while the rear has taillights and a license plate. So the front of object A is near the top of the picture, while the tail is near the bottom of the picture.



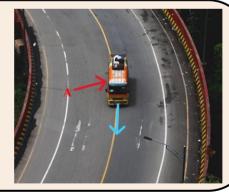
step_2:

Determine the direction of Road extension. The road extends from the top to the bottom in the image, and object A is traveling along this curved road. The road markings (yellow solid line and white dashed lines) extend along the curve of the road, further confirming the direction of the road.



step_3:

Judge the final direction. To sum up, the front of the A is facing downward, and the rear is facing upward in the image. This vehicle is driving along the curve of the road.



Multi-path CoT:

 $step_1 \rightarrow step_2 \rightarrow step_3$ $step_2 \rightarrow step_1 \rightarrow step_3$

Subset:

Direction Judgment



Model reasoning (GPT-40)

Step 1

Confirm the front and rear of the A.



- Object A is the orange vehicle on the road. The front of the vehicle is at the bottom part of the vehicle (closer to the camera).
- The rear of the vehicle has luggage and appears further from the bottom edge of the image.

Step 2

Observe the Road Layout.



• The image shows a curved road with a clear boundary wall on both sides and lane markings. The curvature of the road indicates a leftward bend from the perspective of the vehicle.

Step 3

Look at Contextual Road Features.



• The vehicle is positioned properly on the right-hand side of the road (as per right-hand traffic norms), which supports upward movement.

Answer

Given the orientation and curvature. The vehicle is currently turning rightward from its perspective (which is leftward in the image). Therefore, the vehicle is moving upwards in the image along the curved road.