TRAFFIC PRIORITY IN AN INTERSECTION

1. Main Lane vs. Diversion Lane

- **Priority**: Vehicles on the main lane have the right of way.

2. Turn Left from Main Lane vs. Turn Left from Diversion Lane

- **Priority**: Vehicles turning left from the main lane have priority over those from the diversion lane.

3. Turn Right from Main Lane vs. Turn Right from Diversion Lane

- **Priority**: Vehicles turning right from the main lane generally have priority.

4. Pedestrian on Main Lane vs. Pedestrian on Diversion Lane

- **Priority**: Pedestrians on the main lane should have priority over those on the diversion lane.

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Activity One
The data will contain the priority, the traffic movement (sign, primary lane and secondary lanes, direction), and the time. This will be stored in the file called "traffic.dat".

Find the total time before a main pedestrian will be able to cross the road.

Activity Two
The data is similar to activity one but will be stored in a file separated with a comma and will contain multiple scenarios.

The result will be stored back into a file called "traffic_result.dat".

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