assignment3

February 23, 2025

1 Assignment 3: Reinforcement Learning Pipeline in Practice

CS260R: Reinforcement Learning. Department of Computer Science at University of California, Los Angeles. Course Instructor: Professor Bolei ZHOU. Assignment author: Zhenghao PENG.

1.1 TODOs

You need to implement all TODOs in the python files. Then run all cells in this notebook and plot your results.

Note:

- 1. You can run the training in your terminal and selectively run the visualization and evaluation cells in this notebook.
- 2. You need to remove the "REFERENCE" in figures.
- 3. You don't need to exactly reproduce our results, but your implementation should show the similar progress in training.
- 4. We use multi-processing to enable asynchronous data sampling. Therefore in many places the tensors have shape [num_steps, num_envs, num_feat]. This means that num_envs environments are running concurrently and each of them samples a fragment of trajectory with length num_steps. There are totally num_steps*num_envs transitions are generated in each training iteration.
- 5. Each process can only have a single MetaDrive environment.
- 6. The jupyter notebook is used for tutorial and visualization. It is optional for you to use the notebook to call train_ppo|td3.py and eval_ppo|td3.py. But we expect to see figures, results and visualization in this notebook.

We are expecting the following figures, results and visualization:

- 1. TD3 in Pendulum-v1: learning curve (2.1)
- 2. TD3 in MetaDrive-Tut-Hard-v0: learning curve (2.2), evaluation result (2.3)
- 3. PPO in CartPole-v1: learning curve (3.1)
- 4. PPO in MetaDrive-Tut-Hard-v0: learning curve (3.2), evaluation result (3.3), visualization (3.4)

1.1.1 File structure

You need to pay attention to the files below:

TD3:

• core/td3_trainer.py - File which can be directly run to train TD3. Please implement TD3 here.

PPO:

- train_ppo.py Train scripts for PPO in CartPole-v0 and MetaDrive. Please implement TODO in this file.
- core/ppo_trainer.py PPO algorithm. Please implement compute_action and compute_loss.
- core/buffer.py Supporting data structure for PPO (GAE is implemented here). Please implement compute_returns for PPO.

Common:

- assignment3.ipynb Useful jupyter notebook to walk you through the whole assignment. You need to plot figures and results here.
- [train|eval]_[ppo|td3].py The entries to training and evaluation.

1.1.2 Deliverables

- 1) The exported **PDF** file of the this notebook.
- 2) Compress all files in the assignment3 folder and prepare a **ZIP** file. No .rar or other format is allowed.

You need to submit **both the ZIP file and the PDF file** to bruinlearn. The PDF file goes to gradescope tab and the ZIP file goes to the assignment tab.

1.1.3 Colab supporting

Though we use multiple files to implement algorithms, we can still leverage Colab for free computing resources.

- Step 1: Create a folder in your Google Drive root named cs260r
- Step 2: Upload the files in assignment3 folder such as train_ppo.py and the folder core to the newly created cs260r folder in your Google Drive.
- Step 3: Run the last cell in Demo 1 (pay attention to the code we mount the colab to your google drive).

1.2 Demo 1: Setup dependencies

Requirement already satisfied: torch in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (2.5.0+cu124)Requirement already satisfied: filelock in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from torch) (3.12.4) Requirement already satisfied: typing-extensions>=4.8.0 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from torch) (4.8.0) Requirement already satisfied: networkx in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from torch) (3.1) Requirement already satisfied: jinja2 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from torch) (3.1.2) Requirement already satisfied: fsspec in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from torch) (2024.3.1) Requirement already satisfied: sympy==1.13.1 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from torch) (1.13.1) Requirement already satisfied: mpmath<1.4,>=1.1.0 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from sympy==1.13.1->torch) (1.3.0) Requirement already satisfied: MarkupSafe>=2.0 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from jinja2->torch) (2.1.3) [notice] A new release of pip is available: 24.2 -> 25.0.1 [notice] To update, run: python.exe -m pip install --upgrade pip Collecting git+https://github.com/metadriverse/metadrive Cloning https://github.com/metadriverse/metadrive to c:\users\admin\appdata\local\temp\pip-req-build-f37g8v5g Resolved https://github.com/metadriverse/metadrive to commit 13befc8e6ddc5f3ffe907073007fb3ea187d87db Preparing metadata (setup.py): started Preparing metadata (setup.py): finished with status 'done' Requirement already satisfied: requests in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from metadrive-simulator==0.4.3) (2.32.3) Requirement already satisfied: gymnasium>=0.28 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from metadrive-simulator==0.4.3) (0.28.1) Requirement already satisfied: numpy>=1.21.6 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from

metadrive-simulator==0.4.3) (1.26.0)

Requirement already satisfied: matplotlib in

c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from metadrive-simulator==0.4.3) (3.8.0)

Requirement already satisfied: pygame in

c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from metadrive-simulator==0.4.3) (2.6.1)

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Requirement already satisfied: tqdm in

c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from metadrive-simulator==0.4.3) (4.67.0)

Requirement already satisfied: progressbar in

c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from metadrive-simulator==0.4.3) (2.5)

Requirement already satisfied: panda3d==1.10.14 in

c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from metadrive-simulator==0.4.3) (1.10.14)

Requirement already satisfied: panda3d-gltf==0.13 in

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Requirement already satisfied: pillow in

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Requirement already satisfied: shapely in

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Requirement already satisfied: filelock in

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Requirement already satisfied: Pygments in

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Requirement already satisfied: mediapy in

c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from metadrive-simulator==0.4.3) (1.2.2)

Requirement already satisfied: panda3d-simplepbr>=0.6 in

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panda3d-gltf==0.13->metadrive-simulator==0.4.3) (0.12.0)
Requirement already satisfied: jax-jumpy>=1.0.0 in
c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from
gymnasium>=0.28->metadrive-simulator==0.4.3) (1.0.0)
Requirement already satisfied: cloudpickle>=1.2.0 in
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gymnasium>=0.28->metadrive-simulator==0.4.3) (3.1.1)
Requirement already satisfied: typing-extensions>=4.3.0 in
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gymnasium>=0.28->metadrive-simulator==0.4.3) (0.0.4)
Requirement already satisfied: importlib-metadata>=4.8.0 in
c:\users\admin\appdata\roaming\python\python39\site-packages (from
gymnasium>=0.28->metadrive-simulator==0.4.3) (6.8.0)
Requirement already satisfied: contourpy>=1.0.1 in
c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from
matplotlib->metadrive-simulator==0.4.3) (1.1.1)
Requirement already satisfied: cycler>=0.10 in
c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from
matplotlib->metadrive-simulator==0.4.3) (0.11.0)
Requirement already satisfied: fonttools>=4.22.0 in
c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from
matplotlib->metadrive-simulator==0.4.3) (4.42.1)
Requirement already satisfied: kiwisolver>=1.0.1 in
c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from
matplotlib->metadrive-simulator==0.4.3) (1.4.5)
Requirement already satisfied: packaging>=20.0 in
c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from
matplotlib->metadrive-simulator==0.4.3) (23.1)
Requirement already satisfied: pyparsing>=2.3.1 in
c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from
matplotlib->metadrive-simulator==0.4.3) (3.1.1)
Requirement already satisfied: python-dateutil>=2.7 in
c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from
matplotlib->metadrive-simulator==0.4.3) (2.8.2)
Requirement already satisfied: importlib-resources>=3.2.0 in
c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from
matplotlib->metadrive-simulator==0.4.3) (6.1.0)
Requirement already satisfied: ipython in
c:\users\admin\appdata\roaming\python\python39\site-packages (from
mediapy->metadrive-simulator==0.4.3) (8.15.0)
Requirement already satisfied: charset-normalizer<4,>=2 in
c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from
requests->metadrive-simulator==0.4.3) (2.1.1)
Requirement already satisfied: idna<4,>=2.5 in
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c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from
requests->metadrive-simulator==0.4.3) (3.4)
Requirement already satisfied: urllib3<3,>=1.21.1 in
c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from
requests->metadrive-simulator==0.4.3) (1.26.13)
Requirement already satisfied: certifi>=2017.4.17 in
c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from
requests->metadrive-simulator==0.4.3) (2022.12.7)
Requirement already satisfied: colorama in
c:\users\admin\appdata\roaming\python\python39\site-packages (from
tqdm->metadrive-simulator==0.4.3) (0.4.6)
Requirement already satisfied: platformdirs>=3.5.1 in
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yapf->metadrive-simulator==0.4.3) (3.10.0)
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Requirement already satisfied: zipp>=0.5 in
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Requirement already satisfied: six>=1.5 in
c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from
python-dateutil>=2.7->matplotlib->metadrive-simulator==0.4.3) (1.16.0)
Requirement already satisfied: backcall in
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ipython->mediapy->metadrive-simulator==0.4.3) (0.2.0)
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ipython->mediapy->metadrive-simulator==0.4.3) (5.1.1)
Requirement already satisfied: jedi>=0.16 in
c:\users\admin\appdata\roaming\python\python39\site-packages (from
ipython->mediapy->metadrive-simulator==0.4.3) (0.19.0)
Requirement already satisfied: matplotlib-inline in
c:\users\admin\appdata\roaming\python\python39\site-packages (from
ipython->mediapy->metadrive-simulator==0.4.3) (0.1.6)
Requirement already satisfied: pickleshare in
c:\users\admin\appdata\roaming\python\python39\site-packages (from
ipython->mediapy->metadrive-simulator==0.4.3) (0.7.5)
Requirement already satisfied: prompt-toolkit!=3.0.37,<3.1.0,>=3.0.30 in
c:\users\admin\appdata\roaming\python\python39\site-packages (from
ipython->mediapy->metadrive-simulator==0.4.3) (3.0.39)
Requirement already satisfied: stack-data in
c:\users\admin\appdata\roaming\python\python39\site-packages (from
ipython->mediapy->metadrive-simulator==0.4.3) (0.6.2)
Requirement already satisfied: traitlets>=5 in
c:\users\admin\appdata\roaming\python\python39\site-packages (from
ipython->mediapy->metadrive-simulator==0.4.3) (5.10.0)
Requirement already satisfied: exceptiongroup in
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c:\users\admin\appdata\roaming\python\python39\site-packages (from
ipython->mediapy->metadrive-simulator==0.4.3) (1.1.3)
Requirement already satisfied: parso<0.9.0,>=0.8.3 in
c:\users\admin\appdata\roaming\python\python39\site-packages (from
jedi>=0.16->ipython->mediapy->metadrive-simulator==0.4.3) (0.8.3)
Requirement already satisfied: wcwidth in
c:\users\admin\appdata\roaming\python\python39\site-packages (from prompt-
toolkit!=3.0.37,<3.1.0,>=3.0.30->ipython->mediapy->metadrive-simulator==0.4.3)
(0.2.6)
Requirement already satisfied: executing>=1.2.0 in
c:\users\admin\appdata\roaming\python\python39\site-packages (from stack-
data->ipython->mediapy->metadrive-simulator==0.4.3) (1.2.0)
Requirement already satisfied: asttokens>=2.1.0 in
c:\users\admin\appdata\roaming\python\python39\site-packages (from stack-
data->ipython->mediapy->metadrive-simulator==0.4.3) (2.4.0)
Requirement already satisfied: pure-eval in
c:\users\admin\appdata\roaming\python\python39\site-packages (from stack-
data->ipython->mediapy->metadrive-simulator==0.4.3) (0.2.2)
 Running command git clone --filter=blob:none --quiet
https://github.com/metadriverse/metadrive
'C:\Users\Admin\AppData\Local\Temp\pip-req-build-f37g8v5g'
[notice] A new release of pip is available: 24.2 -> 25.0.1
[notice] To update, run: python.exe -m pip install --upgrade pip
Start to profile the efficiency of MetaDrive with 1000 maps and ~4 vehicles!
Finish 100/100 simulation steps. Time elapse: 0.3701. Average FPS: 737.1464,
Average number of vehicles: 3.0000
Total Time Elapse: 0.370, average FPS: 737.146, average number of vehicles:
3.000.
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): None
[INFO] Assets version: 0.4.3
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Start Scenario Index: 1010, Num Scenarios: 1000
[INFO] Episode ended! Scenario Index: 1900 Reason: out_of_road.
Requirement already satisfied: pandas in
c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (2.1.3)
Requirement already satisfied: scipy in
c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (1.11.2)
Requirement already satisfied: seaborn in
c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (0.13.2)
Collecting tabulate
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Downloading tabulate-0.9.0-py3-none-any.whl.metadata (34 kB) Requirement already satisfied: pyyaml in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (6.0.2) Requirement already satisfied: numpy<2,>=1.22.4 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from pandas) (1.26.0) Requirement already satisfied: python-dateutil>=2.8.2 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from pandas) (2.8.2) Requirement already satisfied: pytz>=2020.1 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from pandas) (2023.3.post1) Requirement already satisfied: tzdata>=2022.1 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from pandas) (2023.3) Requirement already satisfied: matplotlib!=3.6.1,>=3.4 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from seaborn) (3.8.0) Requirement already satisfied: contourpy>=1.0.1 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from matplotlib!=3.6.1,>=3.4->seaborn) (1.1.1) Requirement already satisfied: cycler>=0.10 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from matplotlib!=3.6.1,>=3.4->seaborn) (0.11.0) Requirement already satisfied: fonttools>=4.22.0 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from matplotlib!=3.6.1,>=3.4->seaborn) (4.42.1) Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from matplotlib!=3.6.1,>=3.4->seaborn) (1.4.5) Requirement already satisfied: packaging>=20.0 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from matplotlib!=3.6.1,>=3.4->seaborn) (23.1) Requirement already satisfied: pillow>=6.2.0 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from matplotlib!=3.6.1,>=3.4->seaborn) (10.0.1) Requirement already satisfied: pyparsing>=2.3.1 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from matplotlib!=3.6.1,>=3.4->seaborn) (3.1.1) Requirement already satisfied: importlib-resources>=3.2.0 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from matplotlib!=3.6.1,>=3.4->seaborn) (6.1.0) Requirement already satisfied: six>=1.5 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from python-dateutil>=2.8.2->pandas) (1.16.0) Requirement already satisfied: zipp>=3.1.0 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from

importlib-resources>=3.2.0->matplotlib!=3.6.1,>=3.4->seaborn) (3.17.0)

```
Downloading tabulate-0.9.0-py3-none-any.whl (35 kB)
    Installing collected packages: tabulate
    Successfully installed tabulate-0.9.0
    [notice] A new release of pip is available: 24.2 -> 25.0.1
    [notice] To update, run: python.exe -m pip install --upgrade pip
[5]: import os
     try:
         from google.colab import drive
         drive.mount('/content/gdrive')
         DRIVE_PATH = '/content/gdrive/My Drive/cs260r' # No need for backslash
         if not os.path.exists(DRIVE_PATH):
             !mkdir -p "$DRIVE_PATH" # Ensure the folder exists
         # Create a symlink to avoid issues with spaces in 'My Drive'
         SYM_PATH = '/content/cs260r'
         if not os.path.exists(SYM_PATH):
             !ln -s "$DRIVE_PATH" "$SYM_PATH"
         running_in_colab = True
         # We already mounted in our google drive.
         # Enter the foler where you put files in:
         %cd '/content/cs260r'
     except ModuleNotFoundError:
         running_in_colab = False
         print("I guess you are running locally. If you get this message in Colab, ⊔
     ⇔something is wrong.")
     print("\nCurrent working directory:")
     %pwd
     print("\nWhat files are there:")
     %ls
    I guess you are running locally. If you get this message in Colab, something is
    Current working directory:
    What files are there:
     Volume in drive C is Windows
     Volume Serial Number is 9034-6F82
```

Directory of C:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3

```
02/23/2025 08:30 PM
                        <DIR>
02/23/2025 08:30 PM
                        <DIR>
02/23/2025 08:28 PM
                        <DIR>
                                       .ipynb_checkpoints
02/17/2025 10:14 PM
                                   176 .style.yapf
02/17/2025 10:14 PM
                                     0 __init__.py
02/22/2025 05:56 PM
                        <DIR>
                                       __pycache__
                             3,438,897 assignment3.html
02/23/2025 07:05 PM
02/23/2025 08:30 PM
                             3,543,078 assignment3.ipynb
                               122,364 cartpole-ppo.png
02/23/2025 06:24 PM
02/22/2025 07:09 PM
                        <DIR>
                                       CartPole-v1
                        <DIR>
02/22/2025 05:00 PM
                                       core
02/17/2025 10:14 PM
                                 1,988 eval_ppo.py
02/17/2025 10:14 PM
                                 2,230 eval_td3.py
02/17/2025 10:14 PM
                                   678 format.sh
                               121,948 metadrive-hard-ppo.png
02/23/2025 07:05 PM
02/22/2025 05:55 PM
                               111,325 metadrive-hard-td3.png
02/22/2025 07:18 PM
                        <DIR>
                                       MetaDrive-Tut-Hard-v0
02/22/2025 05:27 PM
                               107,888 pendulum-td3.png
02/22/2025 05:14 PM
                        <DIR>
                                       Pendulum-v1
02/17/2025 10:14 PM
                                   343 README.md
02/17/2025 10:14 PM
                                 7,224 train_ppo.py
02/17/2025 10:17 PM
                                 6,802 train_td3.py
02/17/2025 10:14 PM
                                 7,722 vis.py
                              7,472,663 bytes
              15 File(s)
               8 Dir(s)
                         90,070,937,600 bytes free
```

1.3 Demo 2: Train a TD3 agent

Spinning Up tutorial provides great explaination on TD3 algorithm: https://spinningup.openai.com/en/latest/algorithms/td3.html

Please implement all TODOs in core/td3_trainer.py and train_td3.py.

1.3.1 Demo 2.1: Train TD3 agent in Pendulum-v1

```
[3]: !python train_td3.py \\
    --env-id Pendulum-v1 \\
    --log-dir Pendulum-v1 \\
    --max-steps 50000 \\
    --start-steps 1000 \\
    --lr 1e-3
```

c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\core

Training Step: 0%| | 0/50000 [00:00<?, ?it/s]

```
| 1001/50000 [00:00<00:26, 1816.56it/s]
Training Step:
                 2%1
                               | 1183/50000 [00:02<01:47, 452.78it/s]
Training Step:
                 2%1
                               | 1265/50000 [00:02<02:21, 343.95it/s]
Training Step:
                 3%1
Training Step:
                 3%1
                              | 1315/50000 [00:03<02:41, 300.94it/s]
Training Step:
                               | 1351/50000 [00:03<03:01, 268.36it/s]
                 3%1
                              | 1379/50000 [00:03<03:21, 240.83it/s]
Training Step:
                 3%1
                               | 1401/50000 [00:03<03:39, 220.96it/s]
Training Step:
                 3%1
                               | 1420/50000 [00:04<03:54, 207.01it/s]
Training Step:
                 3%1
Training Step:
                 3%1
                              | 1437/50000 [00:04<04:06, 196.65it/s]
                               | 1454/50000 [00:04<04:21, 185.75it/s]
Training Step:
                 3%1
                 3%1
                               | 1470/50000 [00:04<04:35, 176.15it/s]
Training Step:
Training Step:
                 3%1
                               | 1485/50000 [00:04<04:56, 163.44it/s]
                              | 1500/50000 [00:04<05:18, 152.15it/s]
Training Step:
                 3%1
Training Step:
                 3%1
                               | 1514/50000 [00:04<05:33, 145.49it/s]
                               | 1528/50000 [00:04<05:44, 140.58it/s]
Training Step:
                 3%1
Training Step:
                 3%1
                               | 1542/50000 [00:04<05:50, 138.25it/s]
Training Step:
                 3%1
                                1556/50000 [00:05<06:14, 129.52it/s]
Training Step:
                 3%1
                               | 1570/50000 [00:05<06:12, 129.87it/s]
Training Step:
                 3%1
                               | 1584/50000 [00:05<06:08, 131.36it/s]
                              | 1598/50000 [00:05<06:12, 130.04it/s]
Training Step:
                 3%1
                               | 1611/50000 [00:05<06:13, 129.63it/s]
Training Step:
                 3%1
Training Step:
                               | 1624/50000 [00:05<06:19, 127.58it/s]
                 3%1
Training Step:
                 3%1
                               | 1639/50000 [00:05<06:04, 132.77it/s]
Training Step:
                 3%1
                               | 1653/50000 [00:05<06:06, 131.87it/s]
                              | 1667/50000 [00:05<06:04, 132.77it/s]
Training Step:
                 3%1
Training Step:
                               | 1681/50000 [00:06<05:59, 134.45it/s]
                 3%1
                               | 1695/50000 [00:06<05:57, 135.29it/s]
Training Step:
                 3%1
                               | 1709/50000 [00:06<06:03, 132.86it/s]
Training Step:
                 3%1
                               | 1723/50000 [00:06<05:58, 134.83it/s]
Training Step:
                 3%1
Training Step:
                 3%1
                               | 1737/50000 [00:06<06:01, 133.34it/s]
                               | 1751/50000 [00:06<06:16, 128.12it/s]
Training Step:
                 4%1
Training Step:
                 4%1
                               | 1764/50000 [00:06<06:19, 127.16it/s]
Training Step:
                 4%1
                               | 1778/50000 [00:06<06:16, 128.15it/s]
Training Step:
                 4%|
                              | 1792/50000 [00:06<06:14, 128.89it/s]
Training Step:
                 4%|
                               | 1805/50000 [00:06<06:14, 128.72it/s]
                              | 1818/50000 [00:07<06:58, 115.11it/s]
Training Step:
                 4%|
Training Step:
                               | 1830/50000 [00:07<07:56, 101.19it/s]
                 4%|
Training Step:
                 4%1
                              | 1843/50000 [00:07<07:29, 107.16it/s]
Training Step:
                 4%|
                              | 1855/50000 [00:07<07:42, 104.18it/s]
Training Step:
                 4%1
                               | 1866/50000 [00:07<07:44, 103.54it/s]
Training Step:
                 4%|
                              | 1878/50000 [00:07<07:35, 105.67it/s]
                               | 1890/50000 [00:07<07:22, 108.68it/s]
Training Step:
                 4%1
Training Step:
                 4%1
                              | 1902/50000 [00:07<07:14, 110.57it/s]
Training Step:
                 4%1
                               | 1914/50000 [00:08<07:05, 112.91it/s]
                               | 1926/50000 [00:08<07:04, 113.15it/s]
Training Step:
                 4%|
Training Step:
                 4%1
                               | 1938/50000 [00:08<07:01, 113.95it/s]
Training Step:
                 4%1
                               | 1951/50000 [00:08<06:47, 117.96it/s]
Training Step:
                 4%|
                               | 1963/50000 [00:08<06:46, 118.16it/s]
```

```
Training Step:
                               | 1975/50000 [00:08<07:00, 114.11it/s]
                 4%|
                 4%|
                               | 1989/50000 [00:08<06:39, 120.11it/s]
Training Step:
                                2002/50000 [00:08<07:02, 113.49it/s]
Training Step:
                 4%1
Training Step:
                 4%|
                              | 2016/50000 [00:08<06:41, 119.51it/s]
Training Step:
                              | 2029/50000 [00:08<06:32, 122.10it/s]
                 4%1
Training Step:
                 4%|
                              | 2042/50000 [00:09<06:53, 116.08it/s]
Training Step:
                 4%|
                               | 2056/50000 [00:09<06:39, 120.10it/s]
                               | 2069/50000 [00:09<06:36, 120.78it/s]
Training Step:
                 4%1
Training Step:
                               | 2082/50000 [00:09<06:29, 123.00it/s]
                 4%|
Training Step:
                 4%|
                                2095/50000 [00:09<06:33, 121.73it/s]
                 4%|
                               | 2108/50000 [00:09<07:09, 111.38it/s]
Training Step:
Training Step:
                 4%1
                               | 2122/50000 [00:09<06:45, 118.19it/s]
                              | 2135/50000 [00:09<07:04, 112.73it/s]
Training Step:
                 4%|
Training Step:
                 4%1
                               | 2147/50000 [00:10<09:42, 82.18it/s]
                               | 2157/50000 [00:10<09:53, 80.64it/s]
Training Step:
                 4%1
Training Step:
                 4%1
                               | 2167/50000 [00:10<09:30, 83.84it/s]
Training Step:
                 4%|
                                2177/50000 [00:10<09:06, 87.48it/s]
Training Step:
                 4%1
                              | 2187/50000 [00:10<10:36, 75.17it/s]
Training Step:
                 4%|
                              | 2197/50000 [00:10<09:50, 80.92it/s]
Training Step:
                 4%1
                              | 2210/50000 [00:10<08:48, 90.43it/s]
Training Step:
                               | 2222/50000 [00:10<08:09, 97.61it/s]
                 4%|
                              | 2235/50000 [00:11<07:32, 105.46it/s]
Training Step:
                 4%|
Training Step:
                 4%1
                              | 2247/50000 [00:11<07:17, 109.12it/s]
                               | 2260/50000 [00:11<07:07, 111.55it/s]
Training Step:
                 5%|
Training Step:
                 5%|
                              | 2272/50000 [00:11<06:59, 113.78it/s]
                               | 2284/50000 [00:11<06:57, 114.21it/s]
Training Step:
                 5%|
                              | 2297/50000 [00:11<06:44, 117.91it/s]
Training Step:
                 5%1
                               | 2309/50000 [00:11<06:42, 118.48it/s]
Training Step:
                 5%|
                              | 2321/50000 [00:11<06:45, 117.52it/s]
Training Step:
                 5%1
Training Step:
                 5%1
                               | 2334/50000 [00:11<06:40, 119.08it/s]
Training Step:
                 5%1
                                2347/50000 [00:12<06:35, 120.50it/s]
                               | 2360/50000 [00:12<06:34, 120.78it/s]
Training Step:
                 5%1
Training Step:
                 5%1
                               | 2373/50000 [00:12<06:37, 119.87it/s]
Training Step:
                 5%1
                              | 2386/50000 [00:12<06:40, 119.03it/s]
Training Step:
                               | 2399/50000 [00:12<06:35, 120.38it/s]
                 5%|
                              | 2412/50000 [00:12<06:40, 118.96it/s]
Training Step:
                 5%|
Training Step:
                               | 2424/50000 [00:12<06:41, 118.52it/s]
                 5%|
Training Step:
                 5%1
                               | 2437/50000 [00:12<06:33, 120.82it/s]
Training Step:
                               | 2450/50000 [00:12<06:37, 119.74it/s]
                 5%|
                               | 2463/50000 [00:12<06:32, 121.08it/s]
Training Step:
                 5%|
Training Step:
                 5%1
                              | 2476/50000 [00:13<06:42, 117.96it/s]
                               | 2490/50000 [00:13<06:35, 120.11it/s]
Training Step:
                 5%1
Training Step:
                 5%|
                              | 2503/50000 [00:13<06:29, 121.95it/s]
Training Step:
                 5%1
                               | 2516/50000 [00:13<06:39, 119.00it/s]
                               | 2529/50000 [00:13<06:30, 121.65it/s]
Training Step:
                 5%1
Training Step:
                 5%1
                               | 2542/50000 [00:13<06:30, 121.43it/s]
                               | 2555/50000 [00:13<06:33, 120.44it/s]
Training Step:
                 5%1
Training Step:
                 5%1
                               | 2568/50000 [00:13<06:31, 121.13it/s]
```

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Training Step:
                               | 2581/50000 [00:13<06:32, 120.90it/s]
                 5%1
                               | 2594/50000 [00:14<06:35, 120.01it/s]
Training Step:
                 5%1
                                2607/50000 [00:14<06:37, 119.24it/s]
Training Step:
                 5%1
Training Step:
                 5%1
                              | 2619/50000 [00:14<06:38, 118.90it/s]
Training Step:
                               | 2632/50000 [00:14<06:35, 119.76it/s]
                 5%1
Training Step:
                 5%1
                              | 2645/50000 [00:14<06:33, 120.33it/s]
Training Step:
                 5%|
                               | 2658/50000 [00:14<06:53, 114.51it/s]
                               | 2670/50000 [00:14<06:55, 113.92it/s]
Training Step:
                 5%1
Training Step:
                               | 2683/50000 [00:14<06:45, 116.79it/s]
                 5%|
                                2696/50000 [00:14<06:43, 117.21it/s]
Training Step:
                 5%|
                               | 2708/50000 [00:15<06:43, 117.23it/s]
Training Step:
                 5%|
Training Step:
                 5%1
                               | 2720/50000 [00:15<06:41, 117.74it/s]
                              | 2733/50000 [00:15<06:33, 119.97it/s]
Training Step:
                 5%|
Training Step:
                 5%1
                               | 2746/50000 [00:15<06:39, 118.39it/s]
                               | 2759/50000 [00:15<06:33, 120.16it/s]
Training Step:
                 6%1
Training Step:
                 6%1
                               | 2772/50000 [00:15<06:36, 119.08it/s]
Training Step:
                 6%|
                                2784/50000 [00:15<06:39, 118.27it/s]
Training Step:
                 6%1
                              | 2796/50000 [00:15<06:43, 116.97it/s]
Training Step:
                 6%1
                               | 2808/50000 [00:15<06:42, 117.15it/s]
                              | 2820/50000 [00:16<06:40, 117.82it/s]
Training Step:
                 6% I
Training Step:
                 6%|
                               2832/50000 [00:16<06:44, 116.64it/s]
                               | 2844/50000 [00:16<06:40, 117.60it/s]
Training Step:
                 6%|
Training Step:
                 6% I
                               | 2857/50000 [00:16<06:34, 119.56it/s]
Training Step:
                 6%1
                                2869/50000 [00:16<06:34, 119.61it/s]
Training Step:
                 6%|
                              | 2881/50000 [00:16<06:34, 119.57it/s]
                               | 2893/50000 [00:16<06:34, 119.56it/s]
Training Step:
                 6%|
                                2906/50000 [00:16<06:37, 118.53it/s]
Training Step:
                 6%1
                                2918/50000 [00:16<06:36, 118.81it/s]
Training Step:
                 6%|
                              | 2931/50000 [00:16<06:30, 120.58it/s]
Training Step:
                 6%1
Training Step:
                 6%1
                               | 2944/50000 [00:17<06:34, 119.40it/s]
Training Step:
                 6%1
                                2956/50000 [00:17<06:34, 119.23it/s]
Training Step:
                 6%1
                               | 2968/50000 [00:17<06:45, 116.09it/s]
Training Step:
                 6%1
                               | 2980/50000 [00:17<06:45, 115.84it/s]
Training Step:
                 6%1
                              | 2992/50000 [00:17<07:04, 110.65it/s]
Training Step:
                               | 3004/50000 [00:17<07:11, 108.93it/s]
                 6%|
                              | 3016/50000 [00:17<07:02, 111.15it/s]
Training Step:
                 6%|
Training Step:
                               | 3028/50000 [00:17<06:59, 111.97it/s]
                 6%|
Training Step:
                 6% I
                              | 3040/50000 [00:17<07:04, 110.74it/s]
Training Step:
                              | 3052/50000 [00:18<06:54, 113.24it/s]
                 6%|
Training Step:
                 6% I
                               | 3064/50000 [00:18<06:54, 113.18it/s]
Training Step:
                 6%1
                              | 3076/50000 [00:18<07:17, 107.26it/s]
                                3087/50000 [00:18<07:22, 106.09it/s]
Training Step:
                 6%1
Training Step:
                 6%|
                              | 3099/50000 [00:18<07:06, 109.95it/s]
                               | 3111/50000 [00:18<07:02, 110.94it/s]
Training Step:
                 6%1
                               | 3124/50000 [00:18<06:52, 113.52it/s]
Training Step:
                 6%1
Training Step:
                 6%1
                               | 3137/50000 [00:18<06:39, 117.22it/s]
                               | 3149/50000 [00:18<06:39, 117.30it/s]
Training Step:
                 6%1
Training Step:
                 6%1
                               | 3161/50000 [00:18<06:50, 114.14it/s]
```

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Training Step:
                               | 3173/50000 [00:19<06:46, 115.17it/s]
                 6% l
                               | 3186/50000 [00:19<06:44, 115.73it/s]
Training Step:
                 6%1
Training Step:
                 6%1
                               | 3198/50000 [00:19<06:41, 116.66it/s]
Training Step:
                 6%1
                              | 3210/50000 [00:19<06:51, 113.61it/s]
Training Step:
                               | 3223/50000 [00:19<06:41, 116.55it/s]
                 6% I
Training Step:
                 6%1
                              | 3235/50000 [00:19<06:42, 116.30it/s]
Training Step:
                 6%|
                               | 3247/50000 [00:19<06:39, 117.09it/s]
Training Step:
                 7%|
                               | 3259/50000 [00:19<06:41, 116.47it/s]
Training Step:
                               | 3271/50000 [00:19<06:49, 114.23it/s]
                 7%|
                               | 3283/50000 [00:20<06:45, 115.09it/s]
Training Step:
                 7%|
                 7%|
                               | 3295/50000 [00:20<06:46, 114.99it/s]
Training Step:
Training Step:
                 7%1
                               | 3307/50000 [00:20<06:43, 115.77it/s]
                              | 3320/50000 [00:20<06:35, 118.14it/s]
                 7%|
Training Step:
Training Step:
                                3332/50000 [00:20<06:33, 118.45it/s]
                 7%1
                               | 3344/50000 [00:20<06:34, 118.30it/s]
Training Step:
                 7%1
Training Step:
                 7%1
                               | 3357/50000 [00:20<06:26, 120.62it/s]
Training Step:
                 7%|
                                3370/50000 [00:20<06:29, 119.65it/s]
Training Step:
                 7%|
                              | 3382/50000 [00:20<06:35, 117.83it/s]
Training Step:
                 7%1
                              | 3394/50000 [00:20<06:40, 116.44it/s]
Training Step:
                 7%1
                                3407/50000 [00:21<06:34, 118.05it/s]
Training Step:
                               | 3419/50000 [00:21<06:37, 117.10it/s]
                 7%|
                 7%1
                               | 3431/50000 [00:21<06:35, 117.78it/s]
Training Step:
Training Step:
                 7%1
                               | 3443/50000 [00:21<06:33, 118.36it/s]
Training Step:
                 7%|
                               | 3455/50000 [00:21<06:32, 118.70it/s]
Training Step:
                 7%|
                              | 3467/50000 [00:21<06:31, 118.94it/s]
                               | 3480/50000 [00:21<06:30, 119.15it/s]
Training Step:
                 7%|
                              | 3492/50000 [00:21<06:32, 118.55it/s]
Training Step:
                 7%1
                               | 3504/50000 [00:21<06:31, 118.63it/s]
Training Step:
                 7%|
                              | 3517/50000 [00:22<06:24, 120.97it/s]
Training Step:
                 7%1
Training Step:
                 7%1
                               | 3530/50000 [00:22<06:29, 119.36it/s]
Training Step:
                 7%1
                                3542/50000 [00:22<06:31, 118.77it/s]
Training Step:
                 7%1
                               | 3555/50000 [00:22<06:25, 120.37it/s]
Training Step:
                 7%1
                               | 3568/50000 [00:22<06:33, 118.03it/s]
Training Step:
                 7%1
                              | 3580/50000 [00:22<06:31, 118.46it/s]
Training Step:
                               | 3593/50000 [00:22<06:25, 120.51it/s]
                 7%|
                              | 3606/50000 [00:22<06:30, 118.69it/s]
Training Step:
                 7%|
Training Step:
                               | 3619/50000 [00:22<06:25, 120.21it/s]
                 7%|
Training Step:
                 7%|
                                3632/50000 [00:22<06:26, 120.01it/s]
Training Step:
                               | 3645/50000 [00:23<06:39, 116.09it/s]
                 7%|
Training Step:
                 7%|
                               | 3657/50000 [00:23<06:36, 117.02it/s]
Training Step:
                 7%1
                              | 3669/50000 [00:23<06:35, 117.18it/s]
                                3682/50000 [00:23<06:36, 116.88it/s]
Training Step:
                 7%|
Training Step:
                 7%|
                              | 3694/50000 [00:23<06:42, 115.15it/s]
                               | 3707/50000 [00:23<06:34, 117.36it/s]
Training Step:
                 7%1
                               | 3719/50000 [00:23<06:32, 117.92it/s]
Training Step:
                 7%1
Training Step:
                 7%1
                               | 3731/50000 [00:23<06:35, 116.98it/s]
                               | 3744/50000 [00:23<06:35, 116.93it/s]
Training Step:
                 7%1
Training Step:
                 8%1
                               | 3757/50000 [00:24<06:30, 118.33it/s]
```

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Training Step:
                               | 3769/50000 [00:24<06:32, 117.86it/s]
                 8%1
                               | 3782/50000 [00:24<06:30, 118.25it/s]
Training Step:
                 8%1
Training Step:
                 8%1
                                3794/50000 [00:24<06:31, 118.14it/s]
Training Step:
                 8%1
                              | 3807/50000 [00:24<06:22, 120.78it/s]
Training Step:
                              | 3820/50000 [00:24<06:30, 118.22it/s]
                 8%1
Training Step:
                 8%1
                              | 3832/50000 [00:24<06:33, 117.20it/s]
Training Step:
                 8%1
                               | 3844/50000 [00:24<06:41, 115.09it/s]
                               | 3856/50000 [00:24<06:37, 116.10it/s]
Training Step:
                 8%1
Training Step:
                              | 3869/50000 [00:24<06:28, 118.71it/s]
                 8%1
                                3882/50000 [00:25<06:28, 118.60it/s]
Training Step:
                 8%1
                 8%1
                               | 3894/50000 [00:25<06:30, 118.01it/s]
Training Step:
Training Step:
                 8%1
                                3906/50000 [00:25<06:34, 116.86it/s]
                              | 3918/50000 [00:25<06:37, 116.01it/s]
Training Step:
                 8%1
                                3930/50000 [00:25<06:40, 115.05it/s]
Training Step:
                 8%1
                               | 3943/50000 [00:25<06:31, 117.57it/s]
Training Step:
                 8%1
Training Step:
                 8%1
                               | 3955/50000 [00:25<06:41, 114.62it/s]
Training Step:
                 8%1
                                3967/50000 [00:25<06:40, 115.03it/s]
Training Step:
                 8%1
                              | 3979/50000 [00:25<06:42, 114.23it/s]
Training Step:
                 8%1
                              | 3991/50000 [00:26<06:43, 113.90it/s]
                              | 4003/50000 [00:26<06:57, 110.05it/s]
Training Step:
                 8%1
Training Step:
                               | 4015/50000 [00:26<06:48, 112.53it/s]
                 8%1
                               | 4027/50000 [00:26<06:45, 113.29it/s]
Training Step:
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Training Step:
                 8%1
                              | 4040/50000 [00:26<06:42, 114.09it/s]
Training Step:
                              | 4052/50000 [00:26<06:43, 113.75it/s]
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Training Step:
                 8%1
                              | 4064/50000 [00:26<06:49, 112.13it/s]
                               | 4077/50000 [00:26<06:35, 116.03it/s]
Training Step:
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                               | 4089/50000 [00:26<06:39, 115.06it/s]
Training Step:
                 8%1
                               | 4101/50000 [00:27<06:39, 114.90it/s]
Training Step:
                 8%1
                               | 4113/50000 [00:27<06:35, 116.03it/s]
Training Step:
                 8%1
Training Step:
                 8%1
                               | 4125/50000 [00:27<06:36, 115.76it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                               | 4340/50000 [00:29<06:29, 117.25it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                               | 4945/50000 [00:34<06:20, 118.50it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
                10%|
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Training Step:
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Training Step:
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                10%|
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Training Step:
Training Step:
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                              | 5104/50000 [00:35<06:30, 115.11it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
                15% l
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                                9588/50000 [01:14<05:38, 119.47it/s]
Training Step:
                19%|
                              | 9601/50000 [01:14<05:33, 121.09it/s]
Training Step:
                              | 9614/50000 [01:14<05:37, 119.51it/s]
                19%|
                              | 9626/50000 [01:14<05:37, 119.56it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 9639/50000 [01:14<05:33, 120.98it/s]
Training Step:
                19%|
                              | 9652/50000 [01:14<05:37, 119.70it/s]
Training Step:
                19%|
                              | 9664/50000 [01:15<05:37, 119.48it/s]
```

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Training Step:
                              | 9676/50000 [01:15<05:38, 119.24it/s]
                19%|
                              | 9688/50000 [01:15<05:41, 118.14it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 9700/50000 [01:15<05:58, 112.49it/s]
Training Step:
                19%|
                              | 9712/50000 [01:15<06:02, 111.04it/s]
Training Step:
                              | 9724/50000 [01:15<05:59, 112.18it/s]
                19%|
Training Step:
                19%|
                              | 9736/50000 [01:15<05:55, 113.24it/s]
Training Step:
                19%|
                              | 9748/50000 [01:15<05:51, 114.57it/s]
                              | 9760/50000 [01:15<05:46, 116.09it/s]
Training Step:
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Training Step:
                              | 9772/50000 [01:15<05:51, 114.31it/s]
                20%|
Training Step:
                20%|
                              | 9784/50000 [01:16<05:51, 114.27it/s]
                20%|
                              | 9796/50000 [01:16<05:57, 112.57it/s]
Training Step:
Training Step:
                              | 9809/50000 [01:16<05:47, 115.74it/s]
                20%
                              | 9821/50000 [01:16<05:47, 115.57it/s]
Training Step:
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                              | 9834/50000 [01:16<05:44, 116.66it/s]
Training Step:
                20%
                              | 9847/50000 [01:16<05:36, 119.41it/s]
Training Step:
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Training Step:
                20%1
                              | 9859/50000 [01:16<05:38, 118.66it/s]
Training Step:
                20%1
                              | 9871/50000 [01:16<05:46, 115.90it/s]
Training Step:
                20%1
                              | 9883/50000 [01:16<05:46, 115.85it/s]
Training Step:
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                              | 9895/50000 [01:17<05:55, 112.94it/s]
Training Step:
                20%1
                              | 9907/50000 [01:17<05:49, 114.82it/s]
Training Step:
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                              9919/50000 [01:17<05:48, 114.99it/s]
                              | 9931/50000 [01:17<05:50, 114.36it/s]
Training Step:
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Training Step:
                20%1
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Training Step:
                20%|
                              | 9955/50000 [01:17<06:08, 108.54it/s]
Training Step:
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                              | 9978/50000 [01:17<06:06, 109.07it/s]
Training Step:
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                              | 9990/50000 [01:17<06:02, 110.26it/s]
Training Step:
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                              | 10002/50000 [01:18<06:17, 106.07it/s]
Training Step:
                20%1
                              | 10015/50000 [01:18<05:59, 111.20it/s]
Training Step:
                20%
Training Step:
                20%1
                              | 10027/50000 [01:18<05:52, 113.55it/s]
Training Step:
                20%1
                                10039/50000 [01:18<05:51, 113.54it/s]
Training Step:
                20%1
                              | 10051/50000 [01:18<05:46, 115.29it/s]
Training Step:
                20%1
                              | 10063/50000 [01:18<05:51, 113.59it/s]
Training Step:
                20%|
                                10075/50000 [01:18<05:48, 114.53it/s]
Training Step:
                                10087/50000 [01:18<05:47, 114.85it/s]
                20%|
                              | 10099/50000 [01:18<05:43, 116.29it/s]
Training Step:
                20%|
                              | 10111/50000 [01:18<05:57, 111.55it/s]
Training Step:
                20%|
Training Step:
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                              | 10123/50000 [01:19<05:57, 111.49it/s]
Training Step:
                              | 10135/50000 [01:19<06:13, 106.86it/s]
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Training Step:
                20%|
                              | 10146/50000 [01:19<06:12, 106.89it/s]
Training Step:
                20%|
                              | 10157/50000 [01:19<06:10, 107.45it/s]
Training Step:
                20%1
                                10168/50000 [01:19<06:18, 105.14it/s]
Training Step:
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                              | 10180/50000 [01:19<06:10, 107.52it/s]
                              | 10192/50000 [01:19<06:09, 107.77it/s]
Training Step:
                20%
                                10204/50000 [01:19<06:09, 107.67it/s]
Training Step:
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Training Step:
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                              | 10228/50000 [01:20<05:54, 112.14it/s]
Training Step:
                20%1
Training Step:
                20%1
                              | 10240/50000 [01:20<05:53, 112.43it/s]
```

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Training Step:
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                21%|
                              | 10264/50000 [01:20<05:50, 113.49it/s]
Training Step:
                21%|
Training Step:
                21%|
                              | 10276/50000 [01:20<05:49, 113.64it/s]
Training Step:
                21%|
                              | 10288/50000 [01:20<06:00, 110.29it/s]
Training Step:
                              | 10300/50000 [01:20<06:01, 109.76it/s]
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Training Step:
                21%|
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Training Step:
                21%|
                              | 10324/50000 [01:20<05:59, 110.37it/s]
                              | 10336/50000 [01:21<05:54, 111.79it/s]
Training Step:
                21%|
Training Step:
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Training Step:
                21%|
                              | 10361/50000 [01:21<05:52, 112.32it/s]
                              | 10373/50000 [01:21<05:46, 114.35it/s]
Training Step:
                21%|
Training Step:
                              | 10386/50000 [01:21<05:42, 115.50it/s]
                21%|
                              | 10398/50000 [01:21<05:39, 116.58it/s]
Training Step:
                21%|
                              | 10410/50000 [01:21<05:37, 117.42it/s]
Training Step:
                21%|
                              | 10422/50000 [01:21<05:51, 112.57it/s]
Training Step:
                21%|
Training Step:
                              | 10434/50000 [01:21<05:48, 113.58it/s]
                21%|
Training Step:
                21%|
                              | 10446/50000 [01:22<05:58, 110.24it/s]
Training Step:
                21%|
                              | 10458/50000 [01:22<05:56, 110.87it/s]
Training Step:
                21%|
                              | 10470/50000 [01:22<05:55, 111.35it/s]
                              | 10482/50000 [01:22<05:51, 112.41it/s]
Training Step:
                21%|
Training Step:
                21%|
                              | 10494/50000 [01:22<05:49, 112.95it/s]
                              | 10506/50000 [01:22<05:49, 113.01it/s]
Training Step:
                21%|
Training Step:
                21%|
                              | 10518/50000 [01:22<05:43, 114.93it/s]
Training Step:
                              | 10530/50000 [01:22<05:39, 116.36it/s]
                21%|
Training Step:
                21%|
                              | 10542/50000 [01:22<05:38, 116.52it/s]
                              | 10555/50000 [01:22<05:31, 119.08it/s]
Training Step:
                21%|
                              | 10568/50000 [01:23<05:32, 118.67it/s]
Training Step:
                21%|
                              | 10581/50000 [01:23<05:27, 120.44it/s]
Training Step:
                21%|
                              | 10594/50000 [01:23<05:31, 118.95it/s]
Training Step:
                21%|
Training Step:
                21%|
                              | 10607/50000 [01:23<05:27, 120.40it/s]
Training Step:
                              | 10620/50000 [01:23<05:29, 119.39it/s]
                21%|
                             | 10632/50000 [01:23<05:30, 119.24it/s]
Training Step:
                21%|
Training Step:
                21%|
                             | 10645/50000 [01:23<05:26, 120.65it/s]
Training Step:
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                             | 10658/50000 [01:23<05:29, 119.22it/s]
Training Step:
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                             | 10682/50000 [01:23<05:28, 119.52it/s]
Training Step:
                21%|
                             | 10695/50000 [01:24<05:25, 120.69it/s]
Training Step:
                21%|
Training Step:
                21%|
                             | 10708/50000 [01:24<05:29, 119.32it/s]
Training Step:
                             | 10721/50000 [01:24<05:25, 120.79it/s]
                21%|
                             | 10734/50000 [01:24<05:40, 115.45it/s]
Training Step:
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Training Step:
                21%|
                             | 10746/50000 [01:24<05:52, 111.26it/s]
Training Step:
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                             | 10758/50000 [01:24<05:53, 111.03it/s]
Training Step:
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                             | 10770/50000 [01:24<05:50, 112.04it/s]
                             | 10783/50000 [01:24<05:41, 114.87it/s]
Training Step:
                22%
                             | 10795/50000 [01:24<05:42, 114.31it/s]
Training Step:
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Training Step:
                22%1
                             | 10807/50000 [01:25<05:39, 115.41it/s]
                             | 10819/50000 [01:25<05:44, 113.66it/s]
Training Step:
                22%|
Training Step:
                22%1
                             | 10831/50000 [01:25<05:44, 113.54it/s]
```

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Training Step:
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                              | 10855/50000 [01:25<05:55, 110.18it/s]
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Training Step:
                22%1
                              | 10867/50000 [01:25<06:01, 108.26it/s]
Training Step:
                22%|
                              | 10878/50000 [01:25<06:01, 108.17it/s]
Training Step:
                              | 10890/50000 [01:25<05:56, 109.64it/s]
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Training Step:
                22%|
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                              | 10914/50000 [01:26<05:48, 112.11it/s]
Training Step:
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Training Step:
                22%|
                              | 10926/50000 [01:26<05:42, 114.02it/s]
Training Step:
                22%|
                              | 10938/50000 [01:26<05:47, 112.54it/s]
                              | 10950/50000 [01:26<05:52, 110.67it/s]
Training Step:
                22%|
                22%|
                              | 10963/50000 [01:26<05:40, 114.54it/s]
Training Step:
Training Step:
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                22%|
                              | 10987/50000 [01:26<05:35, 116.38it/s]
Training Step:
Training Step:
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                22%
                              | 11012/50000 [01:26<05:34, 116.52it/s]
Training Step:
                22%1
Training Step:
                22%1
                              | 11024/50000 [01:27<05:36, 115.90it/s]
Training Step:
                22%1
                              | 11036/50000 [01:27<05:36, 115.93it/s]
Training Step:
                22%1
                              | 11048/50000 [01:27<05:34, 116.30it/s]
Training Step:
                22%|
                              | 11060/50000 [01:27<05:55, 109.62it/s]
                              | 11072/50000 [01:27<06:00, 107.93it/s]
Training Step:
                22%1
Training Step:
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                22%|
Training Step:
                              | 11096/50000 [01:27<05:51, 110.60it/s]
                22%|
Training Step:
                22%|
                              | 11108/50000 [01:27<05:52, 110.44it/s]
Training Step:
                22%|
                              | 11120/50000 [01:27<05:51, 110.64it/s]
                              | 11132/50000 [01:27<05:48, 111.63it/s]
Training Step:
                22%|
Training Step:
                22%|
                              | 11145/50000 [01:28<05:33, 116.55it/s]
                              | 11158/50000 [01:28<05:32, 116.75it/s]
Training Step:
                22%|
                              | 11170/50000 [01:28<05:36, 115.37it/s]
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Training Step:
                22%
Training Step:
                22%|
                              | 11194/50000 [01:28<05:38, 114.64it/s]
Training Step:
                22%|
                              | 11206/50000 [01:28<05:37, 115.11it/s]
                              | 11219/50000 [01:28<05:29, 117.81it/s]
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Training Step:
                22%|
                              | 11232/50000 [01:28<05:27, 118.24it/s]
Training Step:
                22%|
                              | 11245/50000 [01:28<05:23, 119.97it/s]
Training Step:
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                23%|
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Training Step:
                23%|
Training Step:
                              | 11284/50000 [01:29<05:24, 119.38it/s]
                23%|
Training Step:
                23%|
                              | 11296/50000 [01:29<05:23, 119.51it/s]
Training Step:
                23%|
                              | 11308/50000 [01:29<05:23, 119.49it/s]
                              | 11320/50000 [01:29<05:38, 114.31it/s]
Training Step:
                23%|
Training Step:
                23%|
                              | 11332/50000 [01:29<05:36, 114.82it/s]
Training Step:
                23%1
                              | 11344/50000 [01:29<05:34, 115.63it/s]
Training Step:
                23%1
                              | 11356/50000 [01:29<05:32, 116.31it/s]
Training Step:
                23%1
                              | 11368/50000 [01:29<05:32, 116.08it/s]
                              | 11380/50000 [01:30<05:36, 114.77it/s]
Training Step:
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Training Step:
                23%1
                              | 11392/50000 [01:30<05:33, 115.90it/s]
Training Step:
                23%1
                              | 11404/50000 [01:30<05:30, 116.93it/s]
Training Step:
                23%1
                              | 11416/50000 [01:30<05:27, 117.64it/s]
```

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| 11428/50000 [01:30<05:31, 116.50it/s]
Training Step:
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                23%1
Training Step:
                              | 11452/50000 [01:30<05:49, 110.22it/s]
Training Step:
                23%1
Training Step:
                23%|
                              | 11464/50000 [01:30<05:52, 109.40it/s]
Training Step:
                              | 11476/50000 [01:30<05:46, 111.04it/s]
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Training Step:
                23%|
                              | 11488/50000 [01:31<05:44, 111.79it/s]
Training Step:
                23%|
                              | 11500/50000 [01:31<05:45, 111.39it/s]
Training Step:
                23%|
                              | 11512/50000 [01:31<05:42, 112.49it/s]
Training Step:
                23%|
                              | 11524/50000 [01:31<05:38, 113.65it/s]
                              | 11536/50000 [01:31<05:45, 111.27it/s]
Training Step:
                23%|
                23%1
                              | 11548/50000 [01:31<05:42, 112.17it/s]
Training Step:
Training Step:
                23%1
                              | 11560/50000 [01:31<05:36, 114.08it/s]
                              | 11572/50000 [01:31<05:37, 113.72it/s]
                23%1
Training Step:
Training Step:
                              | 11584/50000 [01:31<05:33, 115.28it/s]
                23%1
                              | 11597/50000 [01:32<05:26, 117.62it/s]
Training Step:
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Training Step:
                23%1
                              | 11610/50000 [01:32<05:26, 117.47it/s]
Training Step:
                23%1
                              | 11623/50000 [01:32<05:21, 119.32it/s]
Training Step:
                23%1
                              | 11635/50000 [01:32<05:21, 119.49it/s]
Training Step:
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Training Step:
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Training Step:
                23%|
                              | 11671/50000 [01:32<05:41, 112.40it/s]
Training Step:
                              | 11683/50000 [01:32<05:41, 112.36it/s]
                23%|
Training Step:
                23%|
                              | 11695/50000 [01:32<05:40, 112.50it/s]
Training Step:
                23%|
                              | 11707/50000 [01:32<05:38, 112.96it/s]
Training Step:
                23%|
                              | 11719/50000 [01:33<05:34, 114.49it/s]
Training Step:
                              | 11731/50000 [01:33<05:30, 115.69it/s]
                23%1
                              | 11744/50000 [01:33<05:26, 117.16it/s]
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                23%1
                              | 11756/50000 [01:33<05:30, 115.88it/s]
Training Step:
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                              | 11769/50000 [01:33<05:21, 118.89it/s]
Training Step:
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Training Step:
                24%1
                              | 11782/50000 [01:33<05:20, 119.19it/s]
Training Step:
                24%1
                              | 11795/50000 [01:33<05:17, 120.49it/s]
Training Step:
                24%1
                              | 11808/50000 [01:33<05:25, 117.51it/s]
Training Step:
                24%1
                              | 11820/50000 [01:33<05:34, 114.16it/s]
Training Step:
                24%|
                              | 11833/50000 [01:34<05:25, 117.19it/s]
Training Step:
                24%|
                              | 11845/50000 [01:34<05:24, 117.65it/s]
                              | 11857/50000 [01:34<05:25, 117.07it/s]
Training Step:
                24%|
Training Step:
                              | 11870/50000 [01:34<05:24, 117.38it/s]
                24%|
Training Step:
                24%1
                              | 11882/50000 [01:34<05:27, 116.50it/s]
Training Step:
                24%|
                              | 11894/50000 [01:34<05:32, 114.72it/s]
                              | 11906/50000 [01:34<05:28, 115.94it/s]
Training Step:
                24%|
Training Step:
                24%|
                              | 11918/50000 [01:34<05:27, 116.40it/s]
                              | 11930/50000 [01:34<05:27, 116.15it/s]
Training Step:
                24%1
Training Step:
                24%|
                              | 11942/50000 [01:34<05:34, 113.62it/s]
Training Step:
                24%1
                              | 11955/50000 [01:35<05:26, 116.39it/s]
                              | 11967/50000 [01:35<05:34, 113.65it/s]
Training Step:
                24%1
Training Step:
                24%1
                              | 11980/50000 [01:35<05:30, 115.13it/s]
Training Step:
                24%1
                              | 11992/50000 [01:35<05:30, 114.86it/s]
Training Step:
                24%1
                              | 12004/50000 [01:35<05:48, 109.13it/s]
```

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Training Step:
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                24%|
                              | 12028/50000 [01:35<05:35, 113.25it/s]
Training Step:
Training Step:
                24%1
                              | 12040/50000 [01:35<05:31, 114.64it/s]
Training Step:
                24%|
                              | 12052/50000 [01:35<05:31, 114.33it/s]
Training Step:
                              | 12065/50000 [01:36<05:23, 117.32it/s]
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Training Step:
                24%|
                              | 12077/50000 [01:36<05:24, 116.98it/s]
                              | 12090/50000 [01:36<05:24, 116.71it/s]
Training Step:
                24%|
                              | 12103/50000 [01:36<05:17, 119.18it/s]
Training Step:
                24%1
Training Step:
                24%|
                              | 12115/50000 [01:36<05:18, 119.05it/s]
                              | 12128/50000 [01:36<05:16, 119.51it/s]
Training Step:
                24%|
                24%|
                              | 12140/50000 [01:36<05:34, 113.25it/s]
Training Step:
Training Step:
                24%1
                              | 12152/50000 [01:36<05:37, 112.14it/s]
                              | 12164/50000 [01:36<05:44, 109.73it/s]
Training Step:
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Training Step:
                              | 12176/50000 [01:37<05:54, 106.56it/s]
                24%|
                              | 12188/50000 [01:37<05:54, 106.58it/s]
Training Step:
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Training Step:
                24%1
                              | 12199/50000 [01:37<05:54, 106.61it/s]
Training Step:
                24%1
                              | 12210/50000 [01:37<06:01, 104.40it/s]
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                              | 12221/50000 [01:37<06:01, 104.46it/s]
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                              | 12232/50000 [01:37<06:07, 102.75it/s]
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                              | 12255/50000 [01:37<05:48, 108.37it/s]
Training Step:
                25%|
Training Step:
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Training Step:
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Training Step:
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                              | 12293/50000 [01:38<05:21, 117.27it/s]
Training Step:
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                              | 12317/50000 [01:38<05:45, 109.22it/s]
Training Step:
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                              | 12329/50000 [01:38<05:51, 107.04it/s]
Training Step:
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                              | 12341/50000 [01:38<05:46, 108.81it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                              | 12509/50000 [01:40<05:25, 115.14it/s]
Training Step:
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Training Step:
                25%|
                              | 12521/50000 [01:40<05:21, 116.54it/s]
Training Step:
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                              | 12534/50000 [01:40<05:21, 116.66it/s]
                              | 12547/50000 [01:40<05:15, 118.79it/s]
Training Step:
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Training Step:
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Training Step:
                25%|
                              | 12571/50000 [01:40<05:25, 115.01it/s]
Training Step:
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                              | 12583/50000 [01:40<05:22, 116.12it/s]
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Training Step:
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                25%|
                              | 12608/50000 [01:40<05:19, 117.03it/s]
Training Step:
Training Step:
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                              | 12620/50000 [01:40<05:18, 117.22it/s]
Training Step:
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Training Step:
                              | 12646/50000 [01:41<05:14, 118.82it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                              | 12706/50000 [01:41<05:22, 115.82it/s]
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                25%|
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Training Step:
Training Step:
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Training Step:
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                              | 12766/50000 [01:42<05:39, 109.78it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                              | 12827/50000 [01:42<05:21, 115.66it/s]
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Training Step:
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                26%|
                              | 12851/50000 [01:43<05:23, 114.73it/s]
Training Step:
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Training Step:
                26%|
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Training Step:
                26%|
                              | 12875/50000 [01:43<05:23, 114.62it/s]
Training Step:
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                              | 12935/50000 [01:43<05:32, 111.33it/s]
Training Step:
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Training Step:
                26%1
                              | 12947/50000 [01:43<05:28, 112.78it/s]
Training Step:
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Training Step:
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                              | 13016/50000 [01:44<05:48, 106.06it/s]
Training Step:
                26%|
Training Step:
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                26%|
Training Step:
                26%1
                              | 13039/50000 [01:44<05:42, 107.76it/s]
Training Step:
                              | 13050/50000 [01:44<05:46, 106.67it/s]
                26%|
                              | 13062/50000 [01:44<05:44, 107.11it/s]
Training Step:
                26%|
Training Step:
                26%|
                              | 13074/50000 [01:45<05:41, 107.98it/s]
                              | 13086/50000 [01:45<05:37, 109.25it/s]
Training Step:
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Training Step:
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Training Step:
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                              | 13122/50000 [01:45<05:29, 111.92it/s]
Training Step:
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Training Step:
                26%1
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Training Step:
                26%1
                              | 13146/50000 [01:45<05:30, 111.38it/s]
Training Step:
                26%1
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Training Step:
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                26%1
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Training Step:
                              | 13195/50000 [01:46<05:13, 117.44it/s]
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Training Step:
                26%|
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Training Step:
                              | 13219/50000 [01:46<05:18, 115.44it/s]
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Training Step:
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Training Step:
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                              | 13243/50000 [01:46<05:22, 113.99it/s]
Training Step:
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Training Step:
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                              | 13279/50000 [01:46<05:27, 112.29it/s]
Training Step:
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                27%|
                              | 13292/50000 [01:47<05:22, 113.83it/s]
Training Step:
Training Step:
                              | 13304/50000 [01:47<05:18, 115.23it/s]
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                              | 13317/50000 [01:47<05:11, 117.88it/s]
Training Step:
                27%|
Training Step:
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                27%|
                              | 13341/50000 [01:47<05:10, 118.18it/s]
Training Step:
                27%|
Training Step:
                27%|
                              | 13353/50000 [01:47<05:10, 117.92it/s]
Training Step:
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                              | 13365/50000 [01:47<05:14, 116.42it/s]
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Training Step:
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                              | 13401/50000 [01:47<05:12, 117.00it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                              | 13524/50000 [01:48<05:22, 113.08it/s]
Training Step:
                27%|
                              | 13536/50000 [01:49<05:24, 112.22it/s]
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                              | 13572/50000 [01:49<05:24, 112.35it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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                              | 13646/50000 [01:50<05:08, 117.92it/s]
Training Step:
                27%|
Training Step:
                27%|
                              | 13658/50000 [01:50<05:07, 118.20it/s]
                              | 13671/50000 [01:50<05:01, 120.34it/s]
Training Step:
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Training Step:
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                              | 13684/50000 [01:50<05:07, 118.04it/s]
Training Step:
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                              | 13709/50000 [01:50<05:09, 117.25it/s]
Training Step:
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Training Step:
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Training Step:
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                              | 13733/50000 [01:50<05:19, 113.35it/s]
Training Step:
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                28% |
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Training Step:
Training Step:
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Training Step:
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                              | 13792/50000 [01:51<05:18, 113.57it/s]
Training Step:
                              | 13804/50000 [01:51<05:24, 111.43it/s]
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Training Step:
                28%|
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Training Step:
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                              | 13828/50000 [01:51<05:19, 113.16it/s]
Training Step:
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                              | 13840/50000 [01:51<05:20, 112.81it/s]
Training Step:
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Training Step:
                28%|
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                28%|
                              | 13877/50000 [01:52<05:12, 115.59it/s]
Training Step:
Training Step:
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                              | 13901/50000 [01:52<05:07, 117.53it/s]
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Training Step:
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                              | 13925/50000 [01:52<05:06, 117.78it/s]
Training Step:
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Training Step:
                28%1
                              | 13937/50000 [01:52<05:11, 115.65it/s]
Training Step:
                28%1
                              | 13949/50000 [01:52<05:08, 116.92it/s]
Training Step:
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                              | 13962/50000 [01:52<05:07, 117.11it/s]
Training Step:
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Training Step:
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Training Step:
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                              | 14034/50000 [01:53<05:27, 109.82it/s]
Training Step:
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                              | 14058/50000 [01:53<05:14, 114.26it/s]
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                              | 14083/50000 [01:53<05:05, 117.70it/s]
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Training Step:
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                              | 14121/50000 [01:54<04:57, 120.53it/s]
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Training Step:
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Training Step:
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Training Step:
                28%|
                              | 14246/50000 [01:55<05:01, 118.73it/s]
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                              | 14258/50000 [01:55<05:03, 117.87it/s]
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                              | 14271/50000 [01:55<04:57, 119.95it/s]
Training Step:
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                              | 14296/50000 [01:55<05:08, 115.72it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                              | 14417/50000 [01:56<05:04, 116.71it/s]
Training Step:
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Training Step:
                29%
                              | 14430/50000 [01:56<05:03, 117.13it/s]
Training Step:
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                              | 14442/50000 [01:56<05:12, 113.79it/s]
                              | 14454/50000 [01:57<05:07, 115.44it/s]
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                29%1
                              | 14467/50000 [01:57<05:00, 118.26it/s]
Training Step:
Training Step:
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                              | 14479/50000 [01:57<05:00, 118.12it/s]
                              | 14492/50000 [01:57<05:00, 118.06it/s]
Training Step:
                29%1
Training Step:
                              | 14504/50000 [01:57<05:04, 116.72it/s]
                29%1
                              | 14517/50000 [01:57<04:58, 118.87it/s]
Training Step:
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Training Step:
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                              | 14530/50000 [01:57<04:59, 118.39it/s]
Training Step:
                29%1
                              | 14543/50000 [01:57<04:55, 120.03it/s]
Training Step:
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Training Step:
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                              | 14685/50000 [01:59<05:01, 116.95it/s]
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                              | 14698/50000 [01:59<05:01, 116.90it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                              | 14844/50000 [02:00<05:05, 114.94it/s]
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Training Step:
                              | 14968/50000 [02:01<04:52, 119.96it/s]
Training Step:
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Training Step:
                30%|
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Training Step:
                              | 14992/50000 [02:01<04:54, 118.82it/s]
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Training Step:
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                              | 15016/50000 [02:01<05:05, 114.60it/s]
Training Step:
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Training Step:
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Training Step:
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                              | 15053/50000 [02:02<05:00, 116.39it/s]
Training Step:
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                              | 15065/50000 [02:02<04:59, 116.48it/s]
Training Step:
Training Step:
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                              | 15077/50000 [02:02<05:01, 115.65it/s]
                              | 15089/50000 [02:02<05:09, 112.94it/s]
Training Step:
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Training Step:
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                              | 15113/50000 [02:02<05:00, 116.11it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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                              | 15151/50000 [02:03<04:53, 118.63it/s]
Training Step:
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                              | 15177/50000 [02:03<04:50, 119.80it/s]
Training Step:
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                              | 15189/50000 [02:03<04:52, 119.14it/s]
Training Step:
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Training Step:
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Training Step:
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                              | 15214/50000 [02:03<04:53, 118.35it/s]
Training Step:
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                              | 15226/50000 [02:03<04:53, 118.66it/s]
Training Step:
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Training Step:
                              | 15252/50000 [02:03<04:49, 119.94it/s]
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                              | 15264/50000 [02:03<04:51, 119.14it/s]
Training Step:
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                              | 15276/50000 [02:04<04:51, 119.01it/s]
Training Step:
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Training Step:
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Training Step:
                31%|
                              | 15300/50000 [02:04<05:08, 112.45it/s]
Training Step:
                31%|
                              | 15312/50000 [02:04<05:08, 112.39it/s]
Training Step:
                31%|
                              | 15324/50000 [02:04<05:06, 113.26it/s]
Training Step:
                31%|
                              | 15337/50000 [02:04<04:57, 116.51it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
                31%|
                              | 15400/50000 [02:05<04:51, 118.82it/s]
Training Step:
                              | 15413/50000 [02:05<04:45, 121.01it/s]
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                              | 15426/50000 [02:05<04:49, 119.39it/s]
Training Step:
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Training Step:
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                              | 15438/50000 [02:05<04:54, 117.52it/s]
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Training Step:
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Training Step:
                31%|
                              | 15462/50000 [02:05<04:57, 115.95it/s]
Training Step:
                              | 15474/50000 [02:05<04:58, 115.70it/s]
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Training Step:
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Training Step:
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                              | 15498/50000 [02:05<05:02, 113.96it/s]
Training Step:
                31%|
                              | 15510/50000 [02:06<05:00, 114.67it/s]
Training Step:
                31%|
                              | 15522/50000 [02:06<04:56, 116.11it/s]
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Training Step:
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                31%|
                              | 15546/50000 [02:06<05:05, 112.64it/s]
Training Step:
                31%|
Training Step:
                31%|
                              | 15558/50000 [02:06<05:23, 106.61it/s]
Training Step:
                31%|
                              | 15569/50000 [02:06<05:25, 105.84it/s]
Training Step:
                              | 15580/50000 [02:06<05:33, 103.07it/s]
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Training Step:
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Training Step:
                31%|
                              | 15602/50000 [02:06<05:31, 103.68it/s]
Training Step:
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                              | 15614/50000 [02:07<05:23, 106.22it/s]
Training Step:
                             | 15626/50000 [02:07<05:14, 109.39it/s]
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Training Step:
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                             | 15650/50000 [02:07<05:08, 111.31it/s]
Training Step:
                31%|
Training Step:
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Training Step:
                31%|
Training Step:
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                31%|
                             | 15698/50000 [02:07<04:59, 114.45it/s]
Training Step:
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Training Step:
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Training Step:
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                             | 15735/50000 [02:08<04:49, 118.55it/s]
Training Step:
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                             | 15761/50000 [02:08<04:44, 120.22it/s]
Training Step:
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Training Step:
                32%|
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Training Step:
                             | 15786/50000 [02:08<04:50, 117.69it/s]
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Training Step:
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Training Step:
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                             | 15811/50000 [02:08<04:55, 115.77it/s]
Training Step:
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                             | 15835/50000 [02:08<04:59, 113.99it/s]
Training Step:
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Training Step:
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Training Step:
                32%1
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Training Step:
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                             | 15895/50000 [02:09<05:04, 112.06it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                             | 16029/50000 [02:10<04:54, 115.39it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                             | 16103/50000 [02:11<04:58, 113.65it/s]
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                             | 16127/50000 [02:11<04:51, 116.05it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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                             | 16220/50000 [02:12<05:08, 109.43it/s]
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                32%|
                             | 16232/50000 [02:12<05:06, 110.23it/s]
Training Step:
Training Step:
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                             | 16256/50000 [02:12<05:01, 111.78it/s]
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Training Step:
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                             | 16280/50000 [02:12<04:58, 113.13it/s]
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Training Step:
                33%1
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Training Step:
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                             | 16304/50000 [02:13<04:54, 114.57it/s]
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Training Step:
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                             | 16329/50000 [02:13<04:50, 115.76it/s]
Training Step:
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                             | 16354/50000 [02:13<04:47, 116.89it/s]
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                             | 16390/50000 [02:13<04:50, 115.60it/s]
Training Step:
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Training Step:
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                             | 16426/50000 [02:14<04:59, 112.25it/s]
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Training Step:
                33%1
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                             | 16475/50000 [02:14<04:41, 119.07it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
                             | 16571/50000 [02:15<05:10, 107.71it/s]
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Training Step:
                33%|
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                             | 16662/50000 [02:16<04:59, 111.37it/s]
Training Step:
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                             | 16674/50000 [02:16<04:56, 112.53it/s]
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Training Step:
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Training Step:
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Training Step:
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                             | 16722/50000 [02:16<04:45, 116.38it/s]
Training Step:
                             | 16735/50000 [02:16<04:40, 118.48it/s]
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Training Step:
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Training Step:
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                             | 16796/50000 [02:17<04:55, 112.52it/s]
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                34%|
                             | 16808/50000 [02:17<04:53, 113.02it/s]
Training Step:
Training Step:
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                             | 16833/50000 [02:17<04:47, 115.26it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
                             | 17324/50000 [02:22<04:42, 115.69it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                             | 17588/50000 [02:24<04:35, 117.82it/s]
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Training Step:
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Training Step:
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Training Step:
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 22679/50000 [03:08<03:51, 117.82it/s]
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Training Step:
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Training Step:
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 23028/50000 [03:11<03:56, 114.10it/s]
Training Step:
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                            | 23040/50000 [03:11<03:56, 113.80it/s]
Training Step:
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                            | 23053/50000 [03:11<03:50, 116.78it/s]
Training Step:
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                            | 23065/50000 [03:11<03:49, 117.32it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 23127/50000 [03:12<03:45, 119.38it/s]
Training Step:
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Training Step:
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                46%1
                              23164/50000 [03:12<03:46, 118.39it/s]
Training Step:
Training Step:
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Training Step:
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Training Step:
                            | 23202/50000 [03:13<03:46, 118.51it/s]
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Training Step:
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                            | 23241/50000 [03:13<03:41, 121.04it/s]
Training Step:
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Training Step:
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Training Step:
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                            | 23280/50000 [03:13<03:43, 119.40it/s]
Training Step:
Training Step:
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                              23306/50000 [03:13<03:43, 119.36it/s]
Training Step:
Training Step:
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                              23330/50000 [03:14<03:44, 119.02it/s]
Training Step:
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Training Step:
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Training Step:
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                              23354/50000 [03:14<03:50, 115.44it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
                47%|
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Training Step:
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                              23523/50000 [03:15<04:05, 107.97it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 23630/50000 [03:16<03:57, 111.15it/s]
Training Step:
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Training Step:
Training Step:
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Training Step:
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Training Step:
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                            | 23726/50000 [03:17<03:57, 110.41it/s]
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Training Step:
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Training Step:
Training Step:
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Training Step:
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Training Step:
                            | 23786/50000 [03:18<03:52, 112.54it/s]
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Training Step:
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Training Step:
Training Step:
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Training Step:
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                              25045/50000 [03:29<03:29, 119.37it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 28409/50000 [03:58<03:08, 114.74it/s]
```

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Training Step:
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                57%
                            | 28434/50000 [03:58<03:04, 116.80it/s]
Training Step:
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Training Step:
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                            | 28447/50000 [03:58<03:01, 119.01it/s]
Training Step:
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                            | 28459/50000 [03:58<03:07, 114.72it/s]
Training Step:
                            | 28471/50000 [03:58<03:06, 115.20it/s]
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Training Step:
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                            | 28483/50000 [03:59<03:13, 111.38it/s]
Training Step:
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                            | 28495/50000 [03:59<03:09, 113.25it/s]
Training Step:
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Training Step:
                            | 28519/50000 [03:59<03:09, 113.13it/s]
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Training Step:
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                            | 28531/50000 [03:59<03:08, 113.67it/s]
Training Step:
                            | 28543/50000 [03:59<03:06, 115.01it/s]
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Training Step:
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                            | 28567/50000 [03:59<03:08, 113.67it/s]
Training Step:
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Training Step:
                            28579/50000 [03:59<03:05, 115.29it/s]
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Training Step:
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Training Step:
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                            | 28605/50000 [04:00<03:00, 118.25it/s]
                            | 28617/50000 [04:00<03:05, 114.97it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            28666/50000 [04:00<03:02, 116.59it/s]
                            | 28678/50000 [04:00<03:01, 117.52it/s]
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Training Step:
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                            | 28691/50000 [04:00<02:58, 119.69it/s]
Training Step:
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Training Step:
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                            | 28727/50000 [04:01<03:03, 115.96it/s]
Training Step:
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                            | 28739/50000 [04:01<03:04, 115.48it/s]
Training Step:
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Training Step:
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                            | 28765/50000 [04:01<02:58, 118.98it/s]
Training Step:
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Training Step:
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Training Step:
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                            | 28791/50000 [04:01<02:57, 119.55it/s]
Training Step:
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                            | 28804/50000 [04:01<02:58, 118.79it/s]
Training Step:
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Training Step:
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Training Step:
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                            | 28856/50000 [04:02<02:56, 119.56it/s]
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Training Step:
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Training Step:
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Training Step:
                            | 28892/50000 [04:02<02:57, 118.96it/s]
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Training Step:
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Training Step:
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                            | 28918/50000 [04:02<02:55, 120.20it/s]
Training Step:
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                            | 28931/50000 [04:02<02:55, 119.88it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
                58%|
                            | 29006/50000 [04:03<02:57, 118.47it/s]
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Training Step:
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                            | 29019/50000 [04:03<02:54, 120.30it/s]
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                            | 29032/50000 [04:03<02:54, 120.25it/s]
Training Step:
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 29131/50000 [04:04<03:02, 114.28it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 29205/50000 [04:05<02:54, 118.88it/s]
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                            | 29218/50000 [04:05<02:54, 118.77it/s]
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                            | 29230/50000 [04:05<02:54, 118.72it/s]
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Training Step:
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                            | 29256/50000 [04:05<02:58, 116.22it/s]
Training Step:
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                            29268/50000 [04:05<03:08, 109.85it/s]
                            | 29280/50000 [04:05<03:04, 112.41it/s]
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Training Step:
                59%|
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                            | 29391/50000 [04:06<02:56, 116.87it/s]
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Training Step:
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Training Step:
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                            | 29475/50000 [04:07<03:05, 110.53it/s]
Training Step:
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                            | 29521/50000 [04:08<03:08, 108.67it/s]
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                            | 29532/50000 [04:08<03:09, 108.20it/s]
Training Step:
                            29544/50000 [04:08<03:03, 111.55it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 29594/50000 [04:08<02:53, 117.76it/s]
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Training Step:
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Training Step:
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Training Step:
                59%
                            | 29631/50000 [04:08<02:48, 120.76it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
                60%1
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Training Step:
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Training Step:
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Training Step:
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Training Step:
                60% I
                            | 29845/50000 [04:10<02:46, 120.80it/s]
Training Step:
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                            29858/50000 [04:10<02:48, 119.70it/s]
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Training Step:
                60%1
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Training Step:
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                            | 29982/50000 [04:11<03:04, 108.73it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
                60%|
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
                            | 30418/50000 [04:15<02:55, 111.86it/s]
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Training Step:
                61% l
                            | 30430/50000 [04:15<02:51, 113.83it/s]
Training Step:
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Training Step:
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                            | 30517/50000 [04:16<02:47, 116.27it/s]
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                            | 30529/50000 [04:16<02:46, 116.73it/s]
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Training Step:
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                            | 30553/50000 [04:16<02:49, 114.96it/s]
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Training Step:
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                            | 30626/50000 [04:17<03:00, 107.35it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
                61%|
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Training Step:
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                            | 30700/50000 [04:18<02:45, 116.38it/s]
Training Step:
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                            | 30713/50000 [04:18<02:42, 118.72it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                           | 31141/50000 [04:22<02:35, 121.34it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 31363/50000 [04:23<02:46, 112.19it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 31423/50000 [04:24<02:38, 117.00it/s]
Training Step:
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Training Step:
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                            | 31448/50000 [04:24<02:38, 117.26it/s]
Training Step:
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                            | 31461/50000 [04:24<02:34, 120.14it/s]
Training Step:
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Training Step:
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Training Step:
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                            | 31510/50000 [04:25<02:43, 113.34it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 31724/50000 [04:26<02:32, 119.80it/s]
Training Step:
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                            | 31736/50000 [04:27<02:32, 119.78it/s]
Training Step:
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Training Step:
                63%1
                            | 31749/50000 [04:27<02:30, 121.10it/s]
Training Step:
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                            | 31762/50000 [04:27<02:40, 113.78it/s]
Training Step:
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Training Step:
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Training Step:
                64% l
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Training Step:
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Training Step:
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Training Step:
                64% l
Training Step:
                64%|
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Training Step:
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Training Step:
                64% l
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                64% l
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 32511/50000 [04:33<02:25, 120.07it/s]
Training Step:
                65% l
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Training Step:
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Training Step:
                65% l
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Training Step:
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                            | 32548/50000 [04:34<02:29, 117.08it/s]
Training Step:
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                            | 32560/50000 [04:34<02:30, 115.58it/s]
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Training Step:
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Training Step:
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Training Step:
                65%|
                            | 32596/50000 [04:34<02:38, 109.77it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                65% l
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Training Step:
                65%|
                            | 32730/50000 [04:35<02:31, 113.78it/s]
Training Step:
                65% l
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 32978/50000 [04:37<02:27, 115.21it/s]
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Training Step:
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Training Step:
                66%|
                            | 33054/50000 [04:38<02:29, 112.98it/s]
Training Step:
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                            | 33066/50000 [04:38<02:28, 113.74it/s]
Training Step:
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                             33078/50000 [04:38<02:29, 113.01it/s]
Training Step:
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Training Step:
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                66% I
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 33316/50000 [04:40<02:23, 116.02it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 33413/50000 [04:41<02:22, 116.39it/s]
                            | 33425/50000 [04:41<02:25, 114.19it/s]
Training Step:
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Training Step:
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Training Step:
                            | 33449/50000 [04:41<02:25, 113.51it/s]
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Training Step:
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                            | 33473/50000 [04:42<02:22, 116.24it/s]
Training Step:
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                            | 33485/50000 [04:42<02:22, 115.84it/s]
Training Step:
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                            | 33498/50000 [04:42<02:21, 116.49it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
                          | 47324/50000 [06:44<00:22, 119.30it/s]
Training Step:
                95%|
                          | 47337/50000 [06:44<00:21, 121.06it/s]
Training Step:
                95%|
Training Step:
                95%|
                          | 47350/50000 [06:44<00:22, 120.11it/s]
Training Step:
                95%|
                          | 47363/50000 [06:44<00:21, 120.83it/s]
Training Step:
                95%|
                          | 47376/50000 [06:44<00:21, 119.34it/s]
Training Step:
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                          | 47389/50000 [06:44<00:21, 120.82it/s]
                          | 47402/50000 [06:44<00:21, 119.32it/s]
Training Step:
                95% [
Training Step:
                95%|
                          47414/50000 [06:44<00:21, 119.19it/s]
                          | 47426/50000 [06:44<00:21, 119.00it/s]
Training Step:
                95%|
Training Step:
                95%|
                          | 47439/50000 [06:45<00:21, 120.81it/s]
Training Step:
                95%|
                          | 47452/50000 [06:45<00:21, 119.37it/s]
Training Step:
                95%|
                          | 47464/50000 [06:45<00:21, 118.90it/s]
                95%|
                          | 47477/50000 [06:45<00:20, 121.04it/s]
Training Step:
                          | 47490/50000 [06:45<00:21, 118.78it/s]
Training Step:
                95%|
                          | 47503/50000 [06:45<00:20, 121.43it/s]
Training Step:
                95%|
                          | 47516/50000 [06:45<00:20, 119.83it/s]
Training Step:
                95%|
Training Step:
                95%|
                          | 47529/50000 [06:45<00:20, 120.74it/s]
Training Step:
                95%|
                          | 47542/50000 [06:45<00:20, 119.71it/s]
Training Step:
                95%|
                          | 47555/50000 [06:46<00:20, 120.70it/s]
Training Step:
                95%|
                          | 47568/50000 [06:46<00:20, 118.80it/s]
Training Step:
                95%|
                          47581/50000 [06:46<00:20, 120.55it/s]
Training Step:
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                          | 47594/50000 [06:46<00:20, 119.51it/s]
                          | 47606/50000 [06:46<00:20, 119.31it/s]
Training Step:
                95%|
Training Step:
                          47618/50000 [06:46<00:19, 119.46it/s]
                95%|
Training Step:
                95%|
                          47631/50000 [06:46<00:19, 120.79it/s]
Training Step:
                95%|
                          | 47644/50000 [06:46<00:19, 119.29it/s]
Training Step:
                95%|
                          | 47656/50000 [06:46<00:19, 119.49it/s]
Training Step:
                95%|
                          | 47669/50000 [06:46<00:19, 120.84it/s]
Training Step:
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                          | 47682/50000 [06:47<00:19, 118.48it/s]
Training Step:
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                          | 47694/50000 [06:47<00:19, 116.21it/s]
                          | 47706/50000 [06:47<00:19, 114.88it/s]
Training Step:
                95%|
                          | 47719/50000 [06:47<00:19, 117.28it/s]
Training Step:
                95%|
Training Step:
                95%|
                          | 47731/50000 [06:47<00:19, 114.14it/s]
Training Step:
                95%|
                          | 47743/50000 [06:47<00:19, 113.52it/s]
                          | 47755/50000 [06:47<00:20, 110.67it/s]
Training Step:
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```

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Training Step:
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                          | 47767/50000 [06:47<00:19, 112.62it/s]
                96%1
                          | 47779/50000 [06:47<00:19, 114.62it/s]
Training Step:
Training Step:
                96%1
                          | 47792/50000 [06:48<00:19, 115.45it/s]
Training Step:
                96%|
                          47804/50000 [06:48<00:18, 116.75it/s]
Training Step:
                          | 47817/50000 [06:48<00:18, 119.87it/s]
                96%|
Training Step:
                96%|
                          47830/50000 [06:48<00:18, 115.74it/s]
Training Step:
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                          | 47842/50000 [06:48<00:18, 113.72it/s]
                          | 47854/50000 [06:48<00:19, 111.29it/s]
Training Step:
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Training Step:
                96%|
                          47866/50000 [06:48<00:19, 112.08it/s]
                          | 47878/50000 [06:48<00:18, 113.92it/s]
Training Step:
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                96%1
                          | 47890/50000 [06:48<00:18, 114.77it/s]
Training Step:
Training Step:
                96%1
                          | 47903/50000 [06:49<00:17, 116.83it/s]
                          | 47915/50000 [06:49<00:17, 116.78it/s]
Training Step:
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Training Step:
                96%1
                          | 47927/50000 [06:49<00:17, 116.36it/s]
                          | 47939/50000 [06:49<00:18, 112.98it/s]
Training Step:
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Training Step:
                96%1
                          | 47951/50000 [06:49<00:18, 113.83it/s]
Training Step:
                96%1
                          | 47963/50000 [06:49<00:18, 111.76it/s]
Training Step:
                96%1
                          | 47975/50000 [06:49<00:17, 113.38it/s]
Training Step:
                96%|
                          | 47987/50000 [06:49<00:18, 111.32it/s]
                          | 47999/50000 [06:49<00:17, 112.61it/s]
Training Step:
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                          48011/50000 [06:50<00:18, 109.18it/s]
Training Step:
                96%|
Training Step:
                          | 48024/50000 [06:50<00:17, 112.72it/s]
                96%|
Training Step:
                96%|
                          | 48036/50000 [06:50<00:17, 113.18it/s]
Training Step:
                96%|
                          48048/50000 [06:50<00:17, 112.16it/s]
Training Step:
                96%|
                          | 48060/50000 [06:50<00:17, 113.91it/s]
Training Step:
                96%1
                          | 48072/50000 [06:50<00:16, 113.70it/s]
                          | 48084/50000 [06:50<00:16, 115.49it/s]
Training Step:
                96%1
                          | 48096/50000 [06:50<00:16, 116.77it/s]
Training Step:
                96%1
                          | 48108/50000 [06:50<00:16, 117.50it/s]
Training Step:
                96%1
Training Step:
                96%1
                          | 48121/50000 [06:50<00:15, 119.49it/s]
Training Step:
                96%1
                          | 48133/50000 [06:51<00:16, 113.42it/s]
Training Step:
                96%1
                          | 48145/50000 [06:51<00:16, 114.43it/s]
Training Step:
                96%1
                          | 48157/50000 [06:51<00:16, 111.80it/s]
Training Step:
                96%|
                          48169/50000 [06:51<00:16, 110.80it/s]
Training Step:
                96%|
                          48181/50000 [06:51<00:16, 111.59it/s]
                          | 48193/50000 [06:51<00:16, 112.11it/s]
Training Step:
                96%|
Training Step:
                          | 48205/50000 [06:51<00:15, 112.38it/s]
                96%|
Training Step:
                96%|
                          | 48217/50000 [06:51<00:15, 113.17it/s]
Training Step:
                          | 48229/50000 [06:51<00:15, 114.95it/s]
                96%|
Training Step:
                          | 48242/50000 [06:52<00:15, 115.33it/s]
                96%|
Training Step:
                97%|
                          | 48254/50000 [06:52<00:14, 116.51it/s]
                          | 48267/50000 [06:52<00:14, 119.04it/s]
Training Step:
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Training Step:
                97%|
                          | 48279/50000 [06:52<00:14, 119.17it/s]
Training Step:
                          | 48291/50000 [06:52<00:14, 119.37it/s]
                97%1
                          | 48303/50000 [06:52<00:14, 119.51it/s]
Training Step:
                97%|
Training Step:
                97%1
                          | 48315/50000 [06:52<00:14, 119.56it/s]
Training Step:
                97%|
                          | 48328/50000 [06:52<00:14, 118.60it/s]
                          | 48340/50000 [06:52<00:13, 118.59it/s]
Training Step:
                97%1
```

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Training Step:
                97%|
                          | 48353/50000 [06:52<00:13, 120.35it/s]
                97%|
                          | 48366/50000 [06:53<00:13, 120.63it/s]
Training Step:
                          | 48379/50000 [06:53<00:13, 121.88it/s]
Training Step:
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Training Step:
                97%|
                          48392/50000 [06:53<00:13, 120.58it/s]
Training Step:
                          48405/50000 [06:53<00:13, 121.70it/s]
                97%|
Training Step:
                97%|
                          48418/50000 [06:53<00:13, 119.81it/s]
Training Step:
                97%|
                          48431/50000 [06:53<00:12, 121.75it/s]
                          | 48444/50000 [06:53<00:12, 122.22it/s]
Training Step:
                97%|
Training Step:
                97%|
                          48457/50000 [06:53<00:12, 123.76it/s]
                          | 48470/50000 [06:53<00:12, 121.34it/s]
Training Step:
                97%|
                97%|
                          | 48483/50000 [06:54<00:12, 121.84it/s]
Training Step:
Training Step:
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                          | 48496/50000 [06:54<00:12, 121.37it/s]
                          | 48509/50000 [06:54<00:12, 121.50it/s]
                97%|
Training Step:
Training Step:
                          48522/50000 [06:54<00:12, 121.51it/s]
                97%1
                          | 48535/50000 [06:54<00:12, 121.43it/s]
Training Step:
                97%|
Training Step:
                97%1
                          | 48548/50000 [06:54<00:12, 120.68it/s]
Training Step:
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                          | 48561/50000 [06:54<00:11, 122.23it/s]
Training Step:
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                          | 48574/50000 [06:54<00:11, 122.60it/s]
Training Step:
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                          | 48587/50000 [06:54<00:11, 123.41it/s]
                          | 48600/50000 [06:54<00:11, 120.93it/s]
Training Step:
                97%1
                          48613/50000 [06:55<00:11, 121.83it/s]
Training Step:
                97%|
Training Step:
                97%|
                          | 48626/50000 [06:55<00:11, 120.09it/s]
Training Step:
                97%|
                          | 48639/50000 [06:55<00:11, 121.29it/s]
Training Step:
                97%|
                          48652/50000 [06:55<00:11, 118.71it/s]
Training Step:
                97%|
                          | 48665/50000 [06:55<00:11, 120.36it/s]
Training Step:
                97%|
                          | 48678/50000 [06:55<00:11, 119.42it/s]
                          | 48691/50000 [06:55<00:10, 121.00it/s]
Training Step:
                97%1
                          | 48704/50000 [06:55<00:10, 119.85it/s]
Training Step:
                97%|
                          | 48716/50000 [06:55<00:10, 118.79it/s]
Training Step:
                97%1
Training Step:
                97%|
                          | 48728/50000 [06:56<00:10, 116.77it/s]
Training Step:
                97%1
                          | 48740/50000 [06:56<00:10, 117.20it/s]
Training Step:
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                          | 48753/50000 [06:56<00:10, 119.18it/s]
Training Step:
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                          | 48765/50000 [06:56<00:10, 119.21it/s]
Training Step:
                98%|
                          48777/50000 [06:56<00:10, 119.11it/s]
Training Step:
                98%|
                          48790/50000 [06:56<00:10, 119.35it/s]
                          | 48802/50000 [06:56<00:10, 119.35it/s]
Training Step:
                98%|
Training Step:
                          48814/50000 [06:56<00:09, 119.40it/s]
                98%|
Training Step:
                98%|
                          48827/50000 [06:56<00:09, 120.04it/s]
Training Step:
                98%|
                          | 48840/50000 [06:56<00:09, 119.78it/s]
Training Step:
                98%|
                          | 48852/50000 [06:57<00:09, 119.73it/s]
Training Step:
                98%|
                          | 48864/50000 [06:57<00:09, 119.42it/s]
Training Step:
                98%1
                          | 48876/50000 [06:57<00:09, 119.15it/s]
Training Step:
                98%|
                          | 48888/50000 [06:57<00:09, 119.21it/s]
Training Step:
                          48900/50000 [06:57<00:09, 117.97it/s]
                98%1
                          | 48912/50000 [06:57<00:09, 118.35it/s]
Training Step:
                98%1
Training Step:
                98%1
                          | 48924/50000 [06:57<00:09, 118.78it/s]
Training Step:
                98%1
                          | 48937/50000 [06:57<00:08, 120.33it/s]
                          | 48950/50000 [06:57<00:08, 120.05it/s]
Training Step:
                98%1
```

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Training Step:
                98%1
                          | 48963/50000 [06:58<00:08, 121.74it/s]
                98%|
                          | 48976/50000 [06:58<00:08, 120.28it/s]
Training Step:
Training Step:
                98%1
                          | 48989/50000 [06:58<00:08, 119.89it/s]
Training Step:
                98%|
                          49002/50000 [06:58<00:08, 119.52it/s]
Training Step:
                          49015/50000 [06:58<00:08, 120.94it/s]
                98%1
Training Step:
                98%|
                          49028/50000 [06:58<00:08, 120.46it/s]
Training Step:
                98%|
                          | 49041/50000 [06:58<00:07, 120.81it/s]
                          | 49054/50000 [06:58<00:07, 122.05it/s]
Training Step:
                98%|
Training Step:
                98%|
                          49067/50000 [06:58<00:07, 124.14it/s]
                          | 49080/50000 [06:58<00:07, 121.34it/s]
Training Step:
                98%|
                98%|
                          | 49093/50000 [06:59<00:07, 123.22it/s]
Training Step:
Training Step:
                98%1
                          | 49106/50000 [06:59<00:07, 122.20it/s]
                          | 49119/50000 [06:59<00:07, 121.55it/s]
                98%|
Training Step:
Training Step:
                98%1
                          49132/50000 [06:59<00:07, 120.89it/s]
                          | 49145/50000 [06:59<00:07, 121.32it/s]
Training Step:
                98%1
Training Step:
                98%1
                          | 49158/50000 [06:59<00:06, 120.36it/s]
Training Step:
                98%1
                          | 49171/50000 [06:59<00:06, 120.51it/s]
Training Step:
                98%1
                          | 49184/50000 [06:59<00:06, 119.51it/s]
Training Step:
                98%|
                          49197/50000 [06:59<00:06, 120.70it/s]
Training Step:
                98%1
                          49210/50000 [07:00<00:06, 119.93it/s]
Training Step:
                98%|
                          49222/50000 [07:00<00:06, 119.89it/s]
Training Step:
                          | 49235/50000 [07:00<00:06, 120.42it/s]
                98%|
Training Step:
                98%|
                          | 49248/50000 [07:00<00:06, 118.88it/s]
Training Step:
                99%|
                          | 49260/50000 [07:00<00:06, 117.92it/s]
Training Step:
                99%|
                          | 49272/50000 [07:00<00:06, 118.16it/s]
Training Step:
                99%1
                          | 49285/50000 [07:00<00:05, 119.62it/s]
                          | 49298/50000 [07:00<00:05, 118.95it/s]
Training Step:
                99%1
                          | 49310/50000 [07:00<00:05, 115.56it/s]
Training Step:
                99%1
                          49322/50000 [07:01<00:05, 116.82it/s]
Training Step:
                99%1
Training Step:
                99%1
                          | 49334/50000 [07:01<00:05, 117.43it/s]
Training Step:
                99%1
                          | 49347/50000 [07:01<00:05, 119.21it/s]
Training Step:
                99%1
                          | 49360/50000 [07:01<00:05, 118.98it/s]
Training Step:
                99%1
                          | 49372/50000 [07:01<00:05, 119.23it/s]
Training Step:
                99%|
                          49385/50000 [07:01<00:05, 120.00it/s]
Training Step:
                99%|
                          49398/50000 [07:01<00:05, 119.65it/s]
                          | 49410/50000 [07:01<00:04, 119.75it/s]
Training Step:
                99%|
Training Step:
                          49422/50000 [07:01<00:04, 119.25it/s]
                99%|
Training Step:
                99%|
                          49435/50000 [07:01<00:04, 120.56it/s]
Training Step:
                99%|
                          | 49448/50000 [07:02<00:04, 119.63it/s]
Training Step:
                99%|
                          | 49461/50000 [07:02<00:04, 119.99it/s]
Training Step:
                99%|
                          | 49474/50000 [07:02<00:04, 116.47it/s]
Training Step:
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                          49487/50000 [07:02<00:04, 119.27it/s]
Training Step:
                99%1
                          | 49499/50000 [07:02<00:04, 119.28it/s]
Training Step:
                          49511/50000 [07:02<00:04, 118.97it/s]
                99%1
                          | 49524/50000 [07:02<00:04, 118.93it/s]
Training Step:
                99%1
Training Step:
                99%1
                          | 49537/50000 [07:02<00:03, 120.46it/s]
Training Step:
                99%1
                          | 49550/50000 [07:02<00:03, 119.20it/s]
Training Step:
                99%1
                          | 49562/50000 [07:03<00:03, 113.58it/s]
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| 49574/50000 [07:03<00:03, 114.72it/s]
Training Step:
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                99%|
                          | 49587/50000 [07:03<00:03, 117.36it/s]
Training Step:
                          | 49600/50000 [07:03<00:03, 117.35it/s]
Training Step:
                99%1
Training Step:
                99%|
                         | 49613/50000 [07:03<00:03, 119.92it/s]
Training Step:
                99%1
                          49626/50000 [07:03<00:03, 119.39it/s]
Training Step:
                99%|
                         | 49638/50000 [07:03<00:03, 112.30it/s]
                         | 49650/50000 [07:03<00:03, 112.26it/s]
Training Step:
                99%|
                         | 49662/50000 [07:03<00:03, 108.77it/s]
Training Step:
                99%|
Training Step:
                99%|
                         | 49673/50000 [07:04<00:03, 102.80it/s]
                         | 49684/50000 [07:04<00:03, 102.50it/s]
Training Step:
                99%|
                99%|
                         | 49695/50000 [07:04<00:02, 102.69it/s]
Training Step:
                         | 49706/50000 [07:04<00:02, 103.51it/s]
Training Step:
                99%1
                         | 49717/50000 [07:04<00:02, 104.79it/s]
Training Step:
                99%|
                          49728/50000 [07:04<00:02, 103.43it/s]
Training Step:
                99%1
                         | 49740/50000 [07:04<00:02, 104.76it/s]
Training Step:
                99%|
Training Step: 100%
                          | 49751/50000 [07:04<00:02, 100.05it/s]
Training Step: 100%|
                          | 49762/50000 [07:04<00:02, 95.02it/s]
Training Step: 100%
                         | 49773/50000 [07:05<00:02, 97.98it/s]
Training Step: 100%|
                          | 49784/50000 [07:05<00:02, 99.71it/s]
                         | 49796/50000 [07:05<00:02, 101.69it/s]
Training Step: 100%
                          49807/50000 [07:05<00:01, 103.88it/s]
Training Step: 100%
Training Step: 100%
                         | 49818/50000 [07:05<00:01, 102.63it/s]
Training Step: 100%|
                          49829/50000 [07:05<00:01, 104.61it/s]
Training Step: 100%|
                          | 49840/50000 [07:05<00:01, 104.63it/s]
Training Step: 100%|
                         | 49852/50000 [07:05<00:01, 107.69it/s]
Training Step: 100%|
                          | 49865/50000 [07:05<00:01, 113.06it/s]
                         | 49877/50000 [07:05<00:01, 110.53it/s]
Training Step: 100%|
Training Step: 100%|
                          | 49889/50000 [07:06<00:00, 113.15it/s]
                         | 49901/50000 [07:06<00:00, 115.00it/s]
Training Step: 100%|
Training Step: 100%|
                          | 49913/50000 [07:06<00:00, 116.38it/s]
Training Step: 100%|
                          | 49925/50000 [07:06<00:00, 117.30it/s]
                         | 49937/50000 [07:06<00:00, 117.36it/s]
Training Step: 100%|
Training Step: 100%
                          | 49950/50000 [07:06<00:00, 116.53it/s]
Training Step: 100%|
                         | 49963/50000 [07:06<00:00, 119.14it/s]
Training Step: 100%
                         | 49976/50000 [07:06<00:00, 118.58it/s]
Training Step: 100%
                         | 49989/50000 [07:06<00:00, 120.78it/s]
Training Step: 100%
                          | 50000/50000 [07:07<00:00, 117.08it/s]
```

==== TD3 Training Step 1199 =====:

actor_loss: 8.540311813354492 critic_loss: 0.6517338156700134 current_q1: -8.764493942260742 current_q2: -8.759138107299805 episode_reward: -1216.4010217830717

frame_per_second: 528
log_dir: Pendulum-v1

reward: -6.311416149139404 target_q: -8.78995132446289

total_episodes: 6
total_steps: 1199

total_time: 2.267979383468628

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 2199 ====:

actor_loss: 22.673095703125 critic_loss: 2.937506675720215 current_q1: -23.019750595092773 current_q2: -23.036638259887695 episode_reward: -1383.6132996025501

frame_per_second: 203
log_dir: Pendulum-v1

reward: -6.915778636932373 target_q: -22.957294464111328

total_episodes: 11
total_steps: 2199

total time: 10.809183597564697

==== TD3 Training Step 3199 ====:

actor_loss: 37.60356140136719 critic_loss: 12.47491455078125 current_q1: -37.45732116699219 current_q2: -37.50157928466797

 ${\tt episode_reward: -1408.8564774363197}$

frame_per_second: 165
log_dir: Pendulum-v1

reward: -6.8067522048950195 target_q: -37.808128356933594

total_episodes: 16
total_steps: 3199

total_time: 19.315847635269165

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 4199 =====:

actor_loss: 51.10105895996094 critic_loss: 2.5449345111846924 current_q1: -51.50255584716797 current_q2: -51.373050689697266 episode_reward: -1380.0927240763722

reward: -6.751112937927246 target_q: -52.31146240234375

total_episodes: 21
total_steps: 4199

total_time: 27.965385675430298

===== TD3 Training Step 5199 =====:

actor_loss: 62.66846466064453 critic_loss: 36.1500129699707 current_q1: -63.20913314819336 current_q2: -63.21725082397461

episode_reward: -1304.8522498387292

frame_per_second: 142
log_dir: Pendulum-v1

reward: -6.579960346221924 target_q: -63.583213806152344

total_episodes: 26
total steps: 5199

total_time: 36.48667550086975

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 6199 ====:

actor_loss: 70.55952453613281 critic_loss: 100.63519287109375 current_q1: -71.52452850341797 current_q2: -71.62507629394531

episode_reward: -1176.5935675651558

frame_per_second: 136
log_dir: Pendulum-v1

reward: -6.005533695220947 target_q: -71.09715270996094

total_episodes: 31
total_steps: 6199

total_time: 45.48797082901001

==== TD3 Training Step 7199 ====:

actor_loss: 70.71761322021484 critic_loss: 58.04753875732422 current_q1: -71.9229507446289 current_q2: -71.96385192871094

episode_reward: -1031.2733747190757

frame_per_second: 132
log_dir: Pendulum-v1

reward: -5.099199295043945 target_q: -71.7552490234375

total_episodes: 36
total_steps: 7199

total_time: 54.150617361068726

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 8199 ====:

actor_loss: 72.6843032836914 critic_loss: 3.991116523742676 current_q1: -73.61814880371094 current_q2: -73.54232025146484 episode_reward: -952.1013282124981

frame_per_second: 130
log_dir: Pendulum-v1

reward: -4.840742588043213 target_q: -73.81629943847656

total_episodes: 41
total_steps: 8199

total time: 62.76938438415527

==== TD3 Training Step 9199 ====:

actor_loss: 75.82637023925781 critic_loss: 188.8488006591797 current_q1: -77.34212493896484 current_q2: -77.64768981933594 episode_reward: -913.5958780784118

frame_per_second: 129
log_dir: Pendulum-v1

reward: -4.824911117553711 target_q: -76.69251251220703

total_episodes: 46
total_steps: 9199

total_time: 71.17899131774902

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 10199 =====:

actor_loss: 72.48675537109375 critic_loss: 10.917991638183594 current_q1: -74.12657165527344 current_q2: -74.03732299804688 episode_reward: -877.2596875176366

reward: -4.464627742767334 target_q: -75.37538146972656

total_episodes: 51
total steps: 10199

total_time: 79.82655644416809

==== TD3 Training Step 11199 ====:

actor_loss: 70.82322692871094 critic_loss: 7.893206596374512 current_q1: -71.86461639404297 current_q2: -71.71904754638672 episode_reward: -834.3601123504338

frame_per_second: 126
log_dir: Pendulum-v1

reward: -4.1982269287109375 target_q: -72.56964111328125

total_episodes: 56 total steps: 11199

total_time: 88.5764479637146

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 12199 ====:

actor_loss: 78.19969177246094 critic_loss: 7.499749183654785 current_q1: -79.82701110839844 current_q2: -79.66920471191406 episode_reward: -777.896228357655

frame_per_second: 125
log_dir: Pendulum-v1

reward: -4.045069694519043 target q: -79.35358428955078

total_episodes: 61 total steps: 12199

total_time: 97.28787517547607

==== TD3 Training Step 13199 =====:

actor_loss: 63.68545913696289 critic_loss: 109.76643371582031 current_q1: -64.78030395507812 current_q2: -65.09087371826172 episode_reward: -728.2298433075962

frame_per_second: 124
log_dir: Pendulum-v1

reward: -3.432569742202759 target_q: -64.78407287597656

total_episodes: 66
total_steps: 13199

total_time: 106.1926805973053

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 14199 ====:

actor_loss: 73.47114562988281 critic_loss: 250.8466033935547 current_q1: -75.82318115234375 current_q2: -75.885986328125

episode_reward: -691.3253832756569

frame_per_second: 123
log_dir: Pendulum-v1

reward: -3.982966184616089 target_q: -73.70694732666016

total_episodes: 71
total_steps: 14199

total time: 114.87983989715576

==== TD3 Training Step 15199 =====:

actor_loss: 74.6795654296875 critic_loss: 28.198514938354492 current_q1: -75.15995025634766 current_q2: -74.75820922851562 episode_reward: -656.1982127290275

frame_per_second: 123
log_dir: Pendulum-v1

reward: -3.4503836631774902 target_q: -77.3857421875

total_episodes: 76
total_steps: 15199

total_time: 123.4561288356781

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 16199 ====:

actor_loss: 59.364341735839844 critic_loss: 102.31233215332031 current_q1: -60.50623321533203 current_q2: -61.30803680419922 episode_reward: -624.5225087737663

reward: -3.028076648712158 target_q: -61.69194793701172

total_episodes: 81
total steps: 16199

total_time: 132.26041173934937

==== TD3 Training Step 17199 ====:

actor_loss: 54.29501724243164 critic_loss: 690.953857421875 current_q1: -56.09918212890625 current_q2: -56.616363525390625 episode_reward: -600.5761072004843

frame_per_second: 121
log_dir: Pendulum-v1

reward: -3.0160698890686035 target_q: -55.19155502319336

total_episodes: 86 total steps: 17199

total_time: 141.0338430404663

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 18199 ====:

actor_loss: 67.9231948852539 critic_loss: 7.745391368865967 current_q1: -70.12018585205078 current_q2: -69.53550720214844 episode_reward: -576.8524827515164

frame_per_second: 121
log_dir: Pendulum-v1

reward: -3.0746164321899414 target q: -69.169921875

total_episodes: 91
total_steps: 18199

total_time: 149.85699605941772

==== TD3 Training Step 19199 ====:

actor_loss: 52.910438537597656 critic_loss: 9.190454483032227 current_q1: -54.841468811035156 current_q2: -54.200767517089844 episode_reward: -551.7551311953895

frame_per_second: 121
log_dir: Pendulum-v1

reward: -2.3609867095947266 target_q: -54.653656005859375

total_episodes: 96
total_steps: 19199

total_time: 158.39631867408752

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 20199 ====:

actor_loss: 66.21467590332031 critic_loss: 16.964405059814453 current_q1: -67.92369079589844 current_q2: -67.85923767089844 episode_reward: -528.5848566606309

frame_per_second: 120
log_dir: Pendulum-v1

reward: -2.9355897903442383 target_q: -69.0562973022461

total_episodes: 101
total_steps: 20199

total_time: 167.17279767990112

==== TD3 Training Step 21199 ====:

actor_loss: 54.020484924316406 critic_loss: 9.578042984008789 current_q1: -56.105960845947266 current_q2: -55.491912841796875 episode_reward: -472.2764855301877

frame_per_second: 120
log_dir: Pendulum-v1

reward: -2.4882614612579346 target_q: -55.515525817871094

total_episodes: 106
total_steps: 21199

total_time: 175.86105394363403

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 22199 ====:

actor_loss: 50.569000244140625 critic_loss: 7.908542633056641 current_q1: -52.4389533996582 current_q2: -51.867462158203125 episode_reward: -400.3059979487944

reward: -2.2534146308898926 target_q: -51.80736541748047

total_episodes: 111
total_steps: 22199

total_time: 184.51884174346924

==== TD3 Training Step 23199 =====:

actor_loss: 60.455467224121094 critic_loss: 128.82626342773438 current_q1: -62.44313049316406 current_q2: -62.4992561340332

episode_reward: -336.90690835098974

frame_per_second: 120
log_dir: Pendulum-v1

reward: -2.4626073837280273 target_q: -61.715110778808594

total_episodes: 116 total_steps: 23199

total_time: 192.99308967590332

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 24199 ====:

actor_loss: 56.556617736816406 critic_loss: 7.767923355102539 current_q1: -58.96113967895508 current_q2: -57.91691589355469

episode_reward: -283.99426999278364

frame_per_second: 119
log_dir: Pendulum-v1

reward: -2.601914405822754 target_q: -58.240726470947266

total_episodes: 121
total_steps: 24199

total_time: 201.77182984352112

==== TD3 Training Step 25199 =====:

actor_loss: 47.621192932128906 critic_loss: 5.813568115234375 current_q1: -49.99259948730469 current_q2: -49.160614013671875 episode_reward: -243.09189465301645

frame_per_second: 119
log_dir: Pendulum-v1

reward: -2.32930326461792 target_q: -49.83455276489258

total_episodes: 126
total_steps: 25199

total_time: 210.54537534713745

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 26199 =====:

actor_loss: 45.01215362548828 critic_loss: 519.291015625 current_q1: -47.095664978027344 current_q2: -47.6485481262207

episode_reward: -227.36264464348574

frame_per_second: 119
log_dir: Pendulum-v1

reward: -2.0898633003234863 target_q: -46.659263610839844

total_episodes: 131
total_steps: 26199

total_time: 219.12106585502625

==== TD3 Training Step 27199 ====:

actor_loss: 45.171836853027344 critic_loss: 101.93360900878906 current_q1: -47.14580535888672 current_q2: -46.83970260620117

episode_reward: -225.65847302289652

frame_per_second: 119
log_dir: Pendulum-v1

reward: -2.120347499847412 target_q: -46.8800163269043

total_episodes: 136
total_steps: 27199

total_time: 227.85586738586426

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 28199 ====:

actor_loss: 37.50614929199219 critic_loss: 3.515097141265869 current_q1: -38.512535095214844 current_q2: -37.84867858886719 episode_reward: -215.6357672153607

reward: -1.8630248308181763 target_q: -38.142311096191406

total_episodes: 141 total_steps: 28199

total_time: 236.5968701839447

==== TD3 Training Step 29199 ====:

actor_loss: 50.44378662109375 critic_loss: 12.751628875732422 current_q1: -51.4464111328125 current_q2: -51.57994842529297

episode_reward: -191.87768122877284

frame_per_second: 119
log_dir: Pendulum-v1

reward: -2.136841297149658 target_q: -52.37444305419922

total_episodes: 146
total_steps: 29199

total_time: 245.20383214950562

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 30199 =====:

actor_loss: 45.25661849975586 critic_loss: 7.515593528747559 current_q1: -46.647369384765625 current_q2: -47.24312973022461

episode_reward: -174.37143055336747

frame_per_second: 118
log_dir: Pendulum-v1

reward: -2.0280847549438477 target_q: -46.64252471923828

total_episodes: 151
total_steps: 30199

total_time: 253.93031692504883

==== TD3 Training Step 31199 ====:

actor_loss: 40.77865219116211 critic_loss: 8.006519317626953 current_q1: -41.93821716308594 current_q2: -41.452842712402344 episode_reward: -164.201710202643

frame_per_second: 118
log_dir: Pendulum-v1

reward: -1.7419928312301636 target_q: -41.51409912109375

total_episodes: 156
total_steps: 31199

total_time: 262.50696086883545

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 32199 ====:

actor_loss: 49.35462188720703 critic_loss: 7.483369827270508 current_q1: -50.64384460449219 current_q2: -51.13431930541992

episode_reward: -162.07850401856695

frame_per_second: 118
log_dir: Pendulum-v1

reward: -2.433873414993286 target_q: -51.14540100097656

total_episodes: 161
total_steps: 32199

total_time: 271.15833735466003

==== TD3 Training Step 33199 =====:

actor_loss: 43.866065979003906 critic_loss: 485.3328552246094 current_q1: -45.56848907470703 current_q2: -45.2396240234375

episode_reward: -163.47979010114514

frame_per_second: 118
log_dir: Pendulum-v1

reward: -1.9338594675064087 target_q: -44.39644241333008

total_episodes: 166 total_steps: 33199

total_time: 279.796822309494

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 34199 ====:

actor_loss: 44.69874572753906 critic_loss: 508.2884521484375 current_q1: -46.1463623046875 current_q2: -46.01423645019531

episode_reward: -159.23077555057435

reward: -2.1428616046905518 target_q: -45.000831604003906

total_episodes: 171 total_steps: 34199

total_time: 288.619793176651

==== TD3 Training Step 35199 =====:

actor_loss: 42.94312286376953 critic_loss: 6.951452732086182 current_q1: -44.316837310791016 current_q2: -44.73196029663086 episode_reward: -157.6746748257796

frame_per_second: 118
log_dir: Pendulum-v1

reward: -2.139934539794922 target_q: -44.238121032714844

total_episodes: 176
total_steps: 35199

total_time: 297.58341789245605

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 36199 =====:

actor_loss: 35.376220703125 critic_loss: 450.19866943359375 current_q1: -36.70106506347656 current_q2: -36.72340393066406

episode_reward: -158.10031719757535

frame_per_second: 118
log_dir: Pendulum-v1

reward: -1.6619412899017334 target_q: -36.29438018798828

total_episodes: 181
total_steps: 36199

total_time: 306.4129476547241

==== TD3 Training Step 37199 ====:

actor_loss: 38.49760437011719 critic_loss: 8.271114349365234 current_q1: -39.47233581542969 current_q2: -39.92378234863281 episode_reward: -154.884435824267

frame_per_second: 117
log_dir: Pendulum-v1

reward: -1.9513719081878662 target_q: -40.312744140625

total_episodes: 186
total_steps: 37199

total_time: 315.79866313934326

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 38199 ====:

actor_loss: 38.8946647644043 critic_loss: 7.480443954467773 current_q1: -39.9344596862793 current_q2: -39.92388916015625 episode_reward: -152.884717861818

frame_per_second: 117
log_dir: Pendulum-v1

reward: -1.809876561164856 target_q: -40.506710052490234

total_episodes: 191
total_steps: 38199

total_time: 325.3244857788086

==== TD3 Training Step 39199 =====:

actor_loss: 38.91387939453125 critic_loss: 4.695055961608887 current_q1: -40.43360137939453 current_q2: -39.959747314453125 episode_reward: -155.50367207732936

frame_per_second: 117
log_dir: Pendulum-v1

reward: -1.864425539970398 target_q: -40.537574768066406

total_episodes: 196
total_steps: 39199

total_time: 333.9479718208313

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 40199 ====:

actor_loss: 39.0269660949707 critic_loss: 149.00942993164062 current_q1: -40.06188201904297 current_q2: -40.54127883911133 episode_reward: -155.50541856987505

reward: -1.9854426383972168 target_q: -39.73417663574219

total_episodes: 201 total_steps: 40199

total_time: 342.7097735404968

==== TD3 Training Step 41199 =====:

actor_loss: 37.51475524902344 critic_loss: 4.588404655456543 current_q1: -38.918983459472656 current_q2: -38.76258087158203 episode_reward: -155.9541765685227

frame_per_second: 117
log_dir: Pendulum-v1

reward: -1.4860832691192627 target_q: -38.87456130981445

total_episodes: 206
total_steps: 41199

total_time: 351.45157504081726

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 42199 =====:

actor_loss: 40.06206512451172 critic_loss: 10.067621231079102 current_q1: -40.547019958496094 current_q2: -41.05128479003906 episode_reward: -157.12244332436575

frame_per_second: 117
log_dir: Pendulum-v1

reward: -1.6987394094467163 target q: -41.132694244384766

total_episodes: 211 total steps: 42199

total_time: 360.1169786453247

==== TD3 Training Step 43199 =====:

actor_loss: 41.99191665649414 critic_loss: 4.37937593460083 current_q1: -42.92167663574219 current_q2: -42.8848991394043

episode_reward: -154.78471905023216

frame_per_second: 117
log_dir: Pendulum-v1

reward: -1.8504401445388794 target_q: -43.126686096191406

total_episodes: 216
total_steps: 43199

total_time: 368.58620977401733

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 44199 ====:

actor_loss: 42.78792953491211 critic_loss: 416.9156494140625 current_q1: -43.920188903808594 current_q2: -43.988121032714844 episode_reward: -149.6411706252892

frame_per_second: 117
log_dir: Pendulum-v1

reward: -1.6683419942855835 target_q: -43.08055114746094

total_episodes: 221 total_steps: 44199

total_time: 377.16226077079773

===== TD3 Training Step 45199 =====:

actor_loss: 36.03661346435547 critic_loss: 394.1048278808594 current_q1: -36.7484016418457 current_q2: -36.83644104003906 episode_reward: -155.186156240854

frame_per_second: 117
log_dir: Pendulum-v1

reward: -1.3060568571090698 target_q: -35.86083984375

total_episodes: 226
total_steps: 45199

total_time: 385.8190104961395

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 46199 =====:

actor_loss: 32.37377166748047 critic_loss: 6.068825721740723 current_q1: -33.845821380615234 current_q2: -34.39576721191406 episode_reward: -154.0687324384602

log_dir: Pendulum-v1

reward: -1.5092495679855347 target_q: -34.56093978881836

total_episodes: 231 total_steps: 46199

total_time: 394.59385085105896

==== TD3 Training Step 47199 =====:

actor_loss: 30.204402923583984 critic_loss: 3.265636444091797 current_q1: -30.890546798706055 current_q2: -30.900684356689453 episode_reward: -154.28000941092088

frame_per_second: 117
log_dir: Pendulum-v1

reward: -1.6566507816314697 target_q: -30.78105354309082

total_episodes: 236 total steps: 47199

total_time: 403.08584928512573

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.

==== TD3 Training Step 48199 =====:

actor_loss: 28.53179168701172 critic_loss: 3.673953056335449 current_q1: -29.515039443969727 current_q2: -29.711669921875

episode_reward: -151.51180154718924

frame_per_second: 117
log_dir: Pendulum-v1

reward: -1.3368892669677734 target_q: -29.472522735595703

total_episodes: 241 total_steps: 48199

total_time: 411.6668288707733

==== TD3 Training Step 49199 =====:

actor_loss: 39.15369415283203 critic_loss: 4.222097873687744 current_q1: -40.068214416503906 current_q2: -40.03590393066406

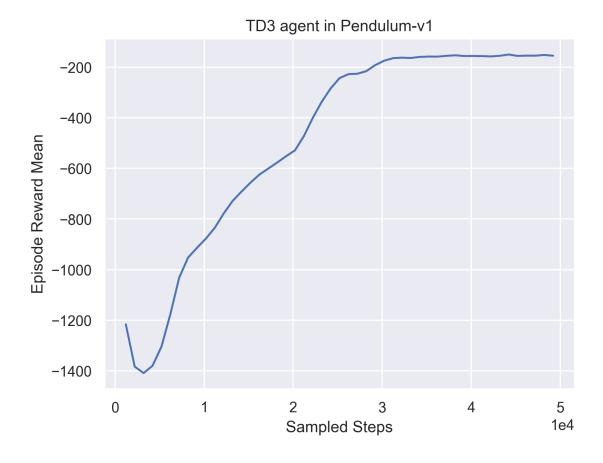
episode_reward: -154.31558266532323

frame_per_second: 117
log_dir: Pendulum-v1

```
reward: -1.4963083267211914
target_q: -39.948760986328125
total_episodes: 246
total_steps: 49199
total_time: 419.9734902381897

Trainer is saved at <Pendulum-v1\td3>. Progress is saved at <Pendulum-v1\td3\progress.csv>.
```

```
[6]: import pandas as pd
     import matplotlib.pyplot as plt
     import seaborn as sns
     progress = pd.read_csv("Pendulum-v1/td3/progress.csv")
     plt.figure(dpi=300)
     sns.set("notebook", "darkgrid")
     ax = sns.lineplot(
        data=progress,
         x="total_steps",
         y="episode_reward"
     )
     ax.set_title("TD3 agent in Pendulum-v1")
     ax.set_ylabel("Episode Reward Mean")
     ax.set_xlabel("Sampled Steps")
     # TODO: You should remove this line in your code.
     # ax.annotate("REFERENCE", (0, -500), size=50, alpha=0.05)
     ax.ticklabel_format(style='sci', scilimits=(0,0), axis='x')
     plt.savefig('pendulum-td3.png', format='png', dpi=300, bbox_inches="tight")
```



1.3.2 Demo 2.2: Train TD3 agent in MetaDrive-Tut-Hard-v0

```
[7]: !python train_td3.py \
     --env-id MetaDrive-Tut-Hard-v0 \
     --log-dir MetaDrive-Tut-Hard-v0 \
     --max-steps 100_000
    c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\core
    [INFO] Environment: MetaDriveEnv
    [INFO] MetaDrive version: 0.4.3
    [INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
    lane_line_detector: LaneLineDetector()]
    [INFO] Render Mode: none
    [INFO] Horizon (Max steps per agent): 1000
    [INFO] Assets version: 0.4.3
    [INFO] Known Pipes: wglGraphicsPipe
    [INFO] Start Scenario Index: 1000, Num Scenarios : 20
    Training Step:
                     0%|
                                   | 0/100000 [00:00<?, ?it/s]
                                  | 26/100000 [00:00<06:36, 252.43it/s]
    Training Step:
                     0%|
```

```
Training Step:
                 0%1
                               | 54/100000 [00:00<06:14, 266.72it/s]
                               | 82/100000 [00:00<06:09, 270.39it/s]
Training Step:
                 0%1
Training Step:
                 0%1
                               | 112/100000 [00:00<05:58, 278.78it/s]
Training Step:
                 0%1
                               | 140/100000 [00:00<06:38, 250.46it/s]
Training Step:
                               | 172/100000 [00:00<06:09, 269.81it/s]
                 0%1
Training Step:
                 0%1
                               205/100000 [00:00<05:46, 287.61it/s]
Training Step:
                 0%1
                               | 239/100000 [00:00<05:30, 302.23it/s]
Training Step:
                 0%1
                               272/100000 [00:00<05:21, 310.05it/s]
Training Step:
                               | 305/100000 [00:01<05:17, 314.37it/s]
                 0%1
                               | 338/100000 [00:01<05:12, 319.05it/s]
Training Step:
                 0%1
                 0%1
                               | 373/100000 [00:01<05:06, 324.75it/s]
Training Step:
Training Step:
                 0%1
                               | 407/100000 [00:01<05:02, 328.78it/s]
                               | 442/100000 [00:01<04:58, 333.65it/s]
Training Step:
                 0%1
                               476/100000 [00:01<04:59, 332.04it/s]
Training Step:
                 0%1
                               | 510/100000 [00:01<05:00, 331.02it/s]
Training Step:
                 1%|
Training Step:
                               | 544/100000 [00:01<04:58, 332.89it/s]
                 1%|
Training Step:
                 1%|
                               | 578/100000 [00:01<05:12, 318.15it/s]
Training Step:
                 1%|
                               | 610/100000 [00:02<05:40, 292.08it/s]
Training Step:
                 1%|
                               | 640/100000 [00:02<06:05, 271.96it/s]
                               | 668/100000 [00:02<06:22, 259.54it/s]
Training Step:
                 1%1
                               | 695/100000 [00:02<06:41, 247.39it/s]
Training Step:
                 1%|
                               | 721/100000 [00:02<07:01, 235.47it/s]
Training Step:
                 1%|
Training Step:
                 1%1
                               745/100000 [00:02<07:31, 219.83it/s]
Training Step:
                               | 769/100000 [00:02<07:26, 222.49it/s]
                 1%|
Training Step:
                 1%|
                               | 792/100000 [00:02<07:23, 223.88it/s]
                               | 815/100000 [00:02<07:22, 224.30it/s]
Training Step:
                 1%|
                               | 839/100000 [00:03<07:18, 226.39it/s]
Training Step:
                 1%|
                               | 862/100000 [00:03<07:24, 222.93it/s]
Training Step:
                 1%|
                               | 885/100000 [00:03<07:24, 222.78it/s]
Training Step:
                 1%|
Training Step:
                 1%|
                               | 908/100000 [00:03<07:36, 216.97it/s]
Training Step:
                 1%|
                               | 931/100000 [00:03<07:29, 220.59it/s]
Training Step:
                 1%|
                               | 957/100000 [00:03<07:10, 229.88it/s]
Training Step:
                 1%|
                               | 987/100000 [00:03<06:36,
249.42it/s][INFO] Episode ended! Scenario Index: 1005 Reason: max step
                               | 1013/100000 [00:04<11:37, 141.96it/s]
Training Step:
                 1%|
Training Step:
                 1%1
                               | 1051/100000 [00:04<08:48, 187.05it/s]
Training Step:
                               | 1090/100000 [00:04<07:10, 229.95it/s]
                 1%|
                               | 1130/100000 [00:04<06:08, 268.64it/s]
Training Step:
                 1%1
Training Step:
                 1%|
                               | 1168/100000 [00:04<05:33, 296.30it/s]
Training Step:
                 1%|
                               | 1207/100000 [00:04<05:08, 319.83it/s]
Training Step:
                 1%|
                               | 1247/100000 [00:04<04:49, 340.81it/s]
Training Step:
                               | 1285/100000 [00:04<04:40, 351.70it/s]
                 1%|
                              | 1325/100000 [00:04<04:30, 364.55it/s]
Training Step:
                 1%|
Training Step:
                 1%|
                               | 1363/100000 [00:04<04:28, 367.65it/s]
Training Step:
                 1%|
                               | 1403/100000 [00:05<04:23, 373.78it/s]
Training Step:
                 1%|
                               | 1443/100000 [00:05<04:19, 379.89it/s]
```

```
Training Step:
                              | 1482/100000 [00:05<04:18, 380.83it/s]
                 1%|
Training Step:
                 2%1
                              | 1522/100000 [00:05<04:15, 385.12it/s]
Training Step:
                 2%1
                              | 1561/100000 [00:05<04:16, 384.49it/s]
Training Step:
                 2%|
                              | 1600/100000 [00:05<04:21, 375.73it/s]
                              | 1639/100000 [00:05<04:19, 378.34it/s]
Training Step:
                 2%1
Training Step:
                 2%|
                              | 1678/100000 [00:05<04:17, 381.13it/s]
Training Step:
                 2%|
                              | 1717/100000 [00:05<04:20, 377.99it/s]
                              | 1757/100000 [00:05<04:16, 383.45it/s]
Training Step:
                 2%|
                              | 1796/100000 [00:06<04:16, 382.80it/s]
Training Step:
                 2%|
Training Step:
                 2%|
                              | 1835/100000 [00:06<04:15, 384.66it/s]
                              | 1874/100000 [00:06<04:15, 384.54it/s]
Training Step:
                 2%1
                              | 1913/100000 [00:06<04:58, 328.37it/s]
Training Step:
                 2%1
                              | 1948/100000 [00:06<05:38, 289.86it/s]
Training Step:
                 2%1
Training Step:
                 2%1
                              | 1979/100000 [00:06<06:18,
258.70it/s][INFO] Episode ended! Scenario Index: 1006 Reason: max step
Training Step:
                 2%1
                              | 2007/100000 [00:07<10:29, 155.73it/s]
Training Step:
                 2%|
                              | 2051/100000 [00:07<08:02, 202.96it/s]
                              | 2094/100000 [00:07<06:38, 245.60it/s]
Training Step:
                 2%1
Training Step:
                 2%|
                              | 2139/100000 [00:07<05:39, 288.22it/s]
                              | 2178/100000 [00:07<05:14, 311.29it/s]
Training Step:
                 2%|
Training Step:
                 2%1
                              | 2217/100000 [00:07<04:58, 327.83it/s]
Training Step:
                              | 2259/100000 [00:07<04:39, 349.90it/s]
                 2%|
Training Step:
                 2%|
                              | 2302/100000 [00:07<04:23, 370.47it/s]
                              | 2346/100000 [00:07<04:11, 388.21it/s]
Training Step:
                 2%|
                              | 2390/100000 [00:08<04:02, 402.22it/s]
Training Step:
                 2%1
                              | 2432/100000 [00:08<03:59, 407.02it/s]
Training Step:
                 2%|
                              | 2474/100000 [00:08<04:05, 397.37it/s]
Training Step:
                 2%1
Training Step:
                 3%1
                              | 2515/100000 [00:08<04:10, 389.35it/s]
                              | 2555/100000 [00:08<04:19, 375.87it/s]
                 3%1
Training Step:
Training Step:
                 3%1
                              | 2596/100000 [00:08<04:12, 385.23it/s]
Training Step:
                 3%1
                              | 2636/100000 [00:08<04:11, 386.70it/s]
Training Step:
                 3%|
                              | 2675/100000 [00:08<04:17, 377.46it/s]
Training Step:
                              | 2713/100000 [00:08<04:23, 369.31it/s]
                 3%1
                              | 2751/100000 [00:09<04:31, 358.31it/s]
Training Step:
                 3%1
                              | 2787/100000 [00:09<04:38, 349.47it/s]
Training Step:
                 3%1
Training Step:
                 3%|
                              | 2829/100000 [00:09<04:23, 368.77it/s]
Training Step:
                              | 2873/100000 [00:09<04:09, 389.13it/s]
                 3%|
                              | 2918/100000 [00:09<03:59, 405.01it/s]
Training Step:
                 3%1
Training Step:
                 3%|
                              | 2959/100000 [00:09<04:04,
396.93it/s][INFO] Episode ended! Scenario Index: 1019 Reason: max step
                              | 3000/100000 [00:09<07:27, 216.72it/s]
Training Step:
                 3%1
Training Step:
                 3%1
                              | 3037/100000 [00:10<06:37, 244.03it/s]
Training Step:
                 3%1
                              | 3075/100000 [00:10<05:56, 271.90it/s]
Training Step:
                 3%1
                              | 3113/100000 [00:10<05:27, 295.80it/s]
```

```
Training Step:
                               | 3151/100000 [00:10<05:06, 315.60it/s]
                 3%1
Training Step:
                 3%1
                               | 3190/100000 [00:10<04:49, 334.30it/s]
Training Step:
                 3%1
                               | 3227/100000 [00:10<04:41, 343.71it/s]
Training Step:
                 3%1
                              | 3265/100000 [00:10<04:34, 352.90it/s]
Training Step:
                              | 3303/100000 [00:10<04:30, 357.39it/s]
                 3%1
Training Step:
                 3%1
                              | 3341/100000 [00:10<04:28, 359.84it/s]
                               | 3379/100000 [00:10<04:25, 363.83it/s]
Training Step:
                 3%1
                              | 3417/100000 [00:11<04:25, 363.53it/s]
Training Step:
                 3%1
Training Step:
                              | 3456/100000 [00:11<04:21, 369.70it/s]
                 3%1
Training Step:
                 3%1
                              | 3495/100000 [00:11<04:17, 374.30it/s]
                              | 3534/100000 [00:11<04:15, 376.98it/s]
Training Step:
                 4%|
                               | 3572/100000 [00:11<04:27, 360.34it/s]
Training Step:
                 4%|
                              | 3609/100000 [00:11<04:48, 333.64it/s]
Training Step:
                 4%|
                               | 3643/100000 [00:11<04:56, 324.59it/s]
Training Step:
                 4%|
                              | 3676/100000 [00:11<05:00, 320.40it/s]
Training Step:
                 4%1
                 4%1
                              | 3715/100000 [00:11<04:45, 337.62it/s]
Training Step:
Training Step:
                 4%|
                               | 3756/100000 [00:12<04:30, 355.33it/s]
Training Step:
                 4%|
                              | 3792/100000 [00:12<04:37, 346.90it/s]
Training Step:
                 4%|
                               | 3831/100000 [00:12<04:29, 357.38it/s]
Training Step:
                 4%1
                               | 3871/100000 [00:12<04:21,
367.77it/s][INFO] Episode ended! Scenario Index: 1009 Reason:
out of road.
Training Step:
                               | 3908/100000 [00:12<08:39, 185.14it/s]
                 4%|
Training Step:
                 4%|
                               | 3949/100000 [00:12<07:09, 223.53it/s]
                               | 3995/100000 [00:13<05:56, 269.61it/s]
Training Step:
                 4%|
                              | 4038/100000 [00:13<05:15, 303.88it/s]
Training Step:
                 4%|
                               | 4082/100000 [00:13<04:45, 335.93it/s]
Training Step:
                 4%|
                              | 4129/100000 [00:13<04:19, 368.95it/s]
Training Step:
                 4%|
Training Step:
                 4%1
                              | 4172/100000 [00:13<04:09, 384.54it/s]
                              | 4216/100000 [00:13<03:59, 399.64it/s]
Training Step:
                 4%1
                              | 4263/100000 [00:13<03:48, 418.20it/s]
Training Step:
                 4%|
Training Step:
                 4%1
                               | 4309/100000 [00:13<03:43, 428.81it/s]
Training Step:
                 4%|
                              | 4354/100000 [00:13<03:41, 432.54it/s]
Training Step:
                              | 4399/100000 [00:13<03:42, 430.05it/s]
                 4%|
                              | 4444/100000 [00:14<03:39, 434.64it/s]
Training Step:
                 4%|
                              | 4489/100000 [00:14<03:37, 438.71it/s]
Training Step:
                 4%|
                              | 4534/100000 [00:14<04:54, 323.69it/s]
Training Step:
                 5% I
Training Step:
                              | 4571/100000 [00:14<05:43, 278.09it/s]
                 5%|
Training Step:
                 5%|
                              | 4603/100000 [00:14<06:09, 258.32it/s]
Training Step:
                 5%|
                              | 4632/100000 [00:14<06:21, 250.17it/s]
Training Step:
                 5%1
                               | 4659/100000 [00:14<06:29, 245.03it/s]
Training Step:
                 5%|
                              | 4685/100000 [00:15<06:41, 237.11it/s]
                               4710/100000 [00:15<06:57, 228.46it/s]
Training Step:
                 5%1
                              | 4734/100000 [00:15<06:54, 229.60it/s]
Training Step:
                 5%1
Training Step:
                 5%1
                               | 4763/100000 [00:15<06:31, 242.97it/s]
```

| 4791/100000 [00:15<06:17, 252.40it/s]

| 4821/100000 [00:15<05:58, 265.58it/s]

Training Step:

Training Step:

5%|

5%1

```
Training Step:
                               | 4857/100000 [00:15<05:26,
                  5%1
```

291.41it/s][INFO] Episode ended! Scenario Index: 1017 Reason: max step

```
| 4887/100000 [00:15<05:33, 285.43it/s]
Training Step:
                 5%1
Training Step:
                 5%1
                              | 4931/100000 [00:15<04:48, 329.46it/s]
Training Step:
                 5%|
                              4976/100000 [00:15<04:22, 362.23it/s]
                              | 5019/100000 [00:16<04:09, 380.68it/s]
Training Step:
                 5%1
                              | 5064/100000 [00:16<03:57, 399.21it/s]
Training Step:
                 5%|
Training Step:
                 5%|
                              | 5109/100000 [00:16<03:50, 410.83it/s]
                              | 5151/100000 [00:16<03:57, 399.41it/s]
Training Step:
                 5%|
                              | 5192/100000 [00:16<04:15, 370.81it/s]
Training Step:
                 5%1
                              | 5230/100000 [00:16<04:18, 366.56it/s]
Training Step:
                 5%|
                              | 5267/100000 [00:16<04:21, 362.01it/s]
Training Step:
                 5%1
                              | 5312/100000 [00:16<04:06, 384.59it/s]
Training Step:
                 5%1
                              | 5357/100000 [00:16<03:54, 403.04it/s]
Training Step:
                 5%1
Training Step:
                 5%|
                              | 5403/100000 [00:17<03:48, 414.34it/s]
                 5%1
                              | 5445/100000 [00:17<03:49, 412.87it/s]
Training Step:
Training Step:
                              | 5490/100000 [00:17<03:44, 421.33it/s]
                 5%|
Training Step:
                 6%1
                              | 5534/100000 [00:17<03:42, 425.41it/s]
Training Step:
                 6%1
                              | 5579/100000 [00:17<03:38,
431.33it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
```

out_of_road.

```
Training Step:
                 6%|
                               | 5623/100000 [00:17<07:09, 219.96it/s]
                               | 5661/100000 [00:17<06:21, 247.41it/s]
Training Step:
                 6%|
                              | 5699/100000 [00:18<05:45, 272.64it/s]
                 6%1
Training Step:
Training Step:
                 6%|
                               | 5735/100000 [00:18<05:28, 287.23it/s]
                              | 5773/100000 [00:18<05:06, 307.56it/s]
Training Step:
                 6%1
Training Step:
                 6%1
                              | 5809/100000 [00:18<04:55, 318.79it/s]
                              | 5846/100000 [00:18<04:43, 332.21it/s]
Training Step:
                 6%1
Training Step:
                 6%1
                              | 5885/100000 [00:18<04:31, 346.31it/s]
Training Step:
                 6%1
                               | 5922/100000 [00:18<04:30, 347.35it/s]
Training Step:
                 6%|
                              | 5959/100000 [00:18<04:28, 350.80it/s]
                               | 5996/100000 [00:18<04:27, 351.96it/s]
Training Step:
                 6%|
                              | 6032/100000 [00:19<04:41, 334.06it/s]
Training Step:
                 6%|
                               | 6070/100000 [00:19<04:31, 345.54it/s]
Training Step:
                 6%|
Training Step:
                 6% I
                              | 6107/100000 [00:19<04:27, 351.15it/s]
                              | 6144/100000 [00:19<04:23, 355.59it/s]
Training Step:
                 6%|
Training Step:
                 6% I
                              | 6181/100000 [00:19<04:21, 359.08it/s]
                 6%|
                              | 6219/100000 [00:19<04:17, 364.15it/s]
Training Step:
Training Step:
                 6%1
                               | 6257/100000 [00:19<04:14, 368.03it/s]
Training Step:
                 6%|
                              | 6294/100000 [00:19<04:16, 365.31it/s]
                              | 6332/100000 [00:19<04:14, 368.11it/s]
Training Step:
                 6%1
                              | 6369/100000 [00:19<04:25, 352.20it/s]
Training Step:
                 6%1
Training Step:
                 6%1
                               | 6405/100000 [00:20<04:45, 328.32it/s]
Training Step:
                 6%1
                               | 6439/100000 [00:20<05:19, 292.96it/s]
Training Step:
                 6%1
                               | 6470/100000 [00:20<05:47, 269.34it/s]
```

```
Training Step:
                 7%1
                              | 6533/100000 [00:20<05:30, 282.81it/s]
Training Step:
                 7%1
                              | 6574/100000 [00:20<04:56,
315.35it/s][INFO] Episode ended! Scenario Index: 1016 Reason: max step
Training Step:
                 7%|
                              | 6607/100000 [00:21<09:09, 169.96it/s]
                              | 6640/100000 [00:21<07:52, 197.39it/s]
Training Step:
                 7%1
                 7%1
                              | 6672/100000 [00:21<07:02, 220.97it/s]
Training Step:
Training Step:
                 7%|
                              | 6706/100000 [00:21<06:19, 245.83it/s]
                 7%1
                              | 6740/100000 [00:21<05:47, 268.15it/s]
Training Step:
                              | 6773/100000 [00:21<05:30, 281.98it/s]
Training Step:
                 7%1
                 7%1
                              | 6806/100000 [00:21<05:17, 293.20it/s]
Training Step:
                              | 6839/100000 [00:21<05:07, 302.48it/s]
Training Step:
                 7%1
                              | 6873/100000 [00:21<04:58, 311.50it/s]
Training Step:
                 7%1
                 7%1
                              | 6906/100000 [00:22<04:54, 315.94it/s]
Training Step:
Training Step:
                 7%|
                              | 6940/100000 [00:22<04:51, 319.30it/s]
Training Step:
                 7%1
                              | 6974/100000 [00:22<04:48, 322.99it/s]
Training Step:
                 7%|
                              | 7008/100000 [00:22<04:44, 326.75it/s]
                              | 7042/100000 [00:22<04:42, 328.81it/s]
Training Step:
                 7%1
                              | 7076/100000 [00:22<04:42, 328.53it/s]
Training Step:
                 7%|
                 7%|
                              | 7110/100000 [00:22<04:44, 326.17it/s]
Training Step:
Training Step:
                 7%1
                              | 7143/100000 [00:22<04:51, 318.51it/s]
Training Step:
                 7%|
                              | 7176/100000 [00:22<04:49, 320.82it/s]
Training Step:
                 7%|
                              | 7209/100000 [00:22<04:50, 319.92it/s]
                              | 7242/100000 [00:23<04:53, 316.37it/s]
Training Step:
                 7%|
                              | 7274/100000 [00:23<04:54, 314.58it/s]
Training Step:
                 7%1
                              | 7307/100000 [00:23<04:52, 316.79it/s]
Training Step:
                 7%|
                              | 7339/100000 [00:23<05:00, 307.87it/s]
Training Step:
                 7%1
Training Step:
                 7%1
                              | 7370/100000 [00:23<06:17, 245.15it/s]
                 7%1
                              | 7397/100000 [00:23<07:11, 214.45it/s]
Training Step:
Training Step:
                 7%|
                              | 7421/100000 [00:23<07:51, 196.33it/s]
Training Step:
                 7%|
                              | 7443/100000 [00:24<07:56, 194.11it/s]
Training Step:
                 7%|
                              | 7464/100000 [00:24<08:04, 191.07it/s]
Training Step:
                              | 7484/100000 [00:24<08:15, 186.58it/s]
                 7%|
                              | 7504/100000 [00:24<08:25, 182.94it/s]
Training Step:
                 8%1
                              | 7523/100000 [00:24<08:34, 179.70it/s]
Training Step:
                 8%1
Training Step:
                 8%1
                              | 7542/100000 [00:24<08:33, 180.13it/s]
Training Step:
                 8%1
                              | 7561/100000 [00:24<09:12, 167.18it/s]
Training Step:
                 8%1
                              | 7580/100000 [00:24<08:58,
171.51it/s][INFO] Episode ended! Scenario Index: 1015 Reason: max step
Training Step:
                              | 7598/100000 [00:24<09:00, 170.91it/s]
                 8%1
                              | 7640/100000 [00:25<06:26, 239.03it/s]
Training Step:
                 8%1
Training Step:
                 8%1
                              | 7685/100000 [00:25<05:10, 297.44it/s]
                              | 7730/100000 [00:25<04:32, 338.95it/s]
Training Step:
                 8%1
Training Step:
                 8%1
                              | 7774/100000 [00:25<04:11, 366.90it/s]
```

| 6498/100000 [00:20<05:58, 261.02it/s]

Training Step:

6% l

```
Training Step:
                               | 7819/100000 [00:25<03:56, 389.05it/s]
                 8%1
Training Step:
                 8%1
                               | 7862/100000 [00:25<03:50, 400.40it/s]
Training Step:
                 8%1
                               | 7907/100000 [00:25<03:42, 414.35it/s]
Training Step:
                 8%1
                              | 7952/100000 [00:25<03:37, 423.31it/s]
Training Step:
                              | 7995/100000 [00:25<03:36, 425.29it/s]
                 8%1
Training Step:
                 8%1
                              | 8038/100000 [00:25<03:42, 412.63it/s]
Training Step:
                 8%1
                               | 8081/100000 [00:26<03:41, 415.29it/s]
                              | 8125/100000 [00:26<03:38, 420.25it/s]
Training Step:
                 8%1
                              | 8169/100000 [00:26<03:36, 424.52it/s]
Training Step:
                 8%1
Training Step:
                 8%1
                              | 8213/100000 [00:26<03:34, 427.81it/s]
                              | 8256/100000 [00:26<04:09, 367.32it/s]
Training Step:
                 8%1
                 8%1
                              | 8295/100000 [00:26<05:06, 298.94it/s]
Training Step:
                              | 8328/100000 [00:26<05:42, 268.03it/s]
Training Step:
                 8%1
                              | 8358/100000 [00:27<06:10, 247.17it/s]
Training Step:
                 8%1
                              | 8385/100000 [00:27<06:32, 233.45it/s]
Training Step:
                 8%1
                 8%1
                              | 8410/100000 [00:27<06:54, 220.84it/s]
Training Step:
Training Step:
                 8%1
                              | 8433/100000 [00:27<07:00, 217.65it/s]
Training Step:
                 8%1
                              | 8456/100000 [00:27<07:02, 216.54it/s]
Training Step:
                 8%1
                              | 8482/100000 [00:27<06:42, 227.20it/s]
Training Step:
                 9%1
                              | 8507/100000 [00:27<06:32, 233.12it/s]
Training Step:
                 9%1
                              | 8537/100000 [00:27<06:03, 251.45it/s]
Training Step:
                 9%1
                               8569/100000 [00:27<05:37,
270.80it/s][INFO] Episode ended! Scenario Index: 1017 Reason: max step
Training Step:
                 9%1
                               | 8597/100000 [00:28<05:43, 266.07it/s]
                              | 8643/100000 [00:28<04:45, 320.54it/s]
                 9%1
Training Step:
                               | 8686/100000 [00:28<04:19, 351.76it/s]
Training Step:
                 9%1
                              | 8731/100000 [00:28<04:01, 378.44it/s]
Training Step:
                 9%1
Training Step:
                 9%1
                              | 8773/100000 [00:28<03:53, 390.41it/s]
                 9%1
                              | 8818/100000 [00:28<03:43, 407.57it/s]
Training Step:
Training Step:
                 9%1
                              | 8863/100000 [00:28<03:37, 419.76it/s]
Training Step:
                 9%1
                               | 8907/100000 [00:28<03:34, 424.41it/s]
Training Step:
                 9%|
                              | 8951/100000 [00:28<03:32, 427.54it/s]
Training Step:
                              | 8994/100000 [00:28<03:33, 426.09it/s]
                 9%1
                              | 9038/100000 [00:29<03:31, 430.18it/s]
Training Step:
                 9%1
                              | 9082/100000 [00:29<03:30, 432.25it/s]
Training Step:
                 9%1
Training Step:
                 9%1
                              | 9126/100000 [00:29<03:31, 430.08it/s]
Training Step:
                              | 9170/100000 [00:29<04:29, 337.31it/s]
                 9%|
Training Step:
                 9%1
                              | 9207/100000 [00:29<05:15, 287.74it/s]
Training Step:
                 9%|
                              | 9239/100000 [00:29<05:49, 259.54it/s]
Training Step:
                 9%1
                               9268/100000 [00:29<06:00, 251.51it/s]
Training Step:
                 9%1
                              | 9295/100000 [00:30<06:13, 242.56it/s]
                              | 9321/100000 [00:30<06:25, 235.37it/s]
Training Step:
                 9%1
                              | 9346/100000 [00:30<06:37, 227.87it/s]
Training Step:
                 9%1
Training Step:
                 9%1
                              | 9370/100000 [00:30<06:33, 230.47it/s]
Training Step:
                 9%1
                               | 9398/100000 [00:30<06:14, 242.19it/s]
```

| 9425/100000 [00:30<06:03, 249.08it/s]

Training Step:

9%1

```
Training Step:
                              | 9457/100000 [00:30<05:39, 267.00it/s]
                 9%1
Training Step:
                 9%|
                              | 9494/100000 [00:30<05:06, 295.71it/s]
Training Step:
                10%|
                              | 9544/100000 [00:30<04:16,
352.53it/s][INFO] Episode ended! Scenario Index: 1017 Reason: max step
Training Step:
                10%|
                              | 9583/100000 [00:31<07:28, 201.79it/s]
                              | 9619/100000 [00:31<06:31, 230.97it/s]
Training Step:
                10%|
Training Step:
                              | 9656/100000 [00:31<05:47, 259.71it/s]
                10%|
                              | 9693/100000 [00:31<05:16, 285.04it/s]
Training Step:
                10%|
                              | 9728/100000 [00:31<05:00, 300.46it/s]
Training Step:
                10%|
Training Step:
                              | 9763/100000 [00:31<04:48, 313.20it/s]
                10%|
                              | 9798/100000 [00:31<04:39, 322.97it/s]
Training Step:
                10%|
                              | 9833/100000 [00:31<04:33, 329.15it/s]
Training Step:
                10%|
                              | 9869/100000 [00:32<04:28, 335.93it/s]
Training Step:
                10%|
                              | 9904/100000 [00:32<04:27, 337.10it/s]
Training Step:
                10%|
Training Step:
                10%|
                              | 9940/100000 [00:32<04:23, 342.30it/s]
Training Step:
                10%|
                              | 9976/100000 [00:32<04:19, 346.67it/s]
                              | 10012/100000 [00:32<08:41, 172.69it/s]
Training Step:
                10%|
Training Step:
                10%|
                              | 10039/100000 [00:33<12:03,
124.38it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
out of road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
                              | 10060/100000 [00:34<23:53, 62.75it/s]
Training Step:
                10%|
                              | 10076/100000 [00:34<23:04, 64.94it/s]
Training Step:
                10%|
Training Step:
                10%|
                              | 10089/100000 [00:34<22:58,
65.21it/s][INFO] Episode ended! Scenario Index: 1012 Reason:
out_of_road.
Training Step:
                              | 10101/100000 [00:34<24:04, 62.25it/s]
                10%|
Training Step:
                10%|
                              | 10111/100000 [00:34<23:04, 64.92it/s]
Training Step:
                10%|
                              | 10120/100000 [00:35<22:38,
66.18it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
out of road.
                              | 10129/100000 [00:35<24:23,
Training Step: 10%
61.40it/s][INFO] Episode ended! Scenario Index: 1016 Reason:
out_of_road.
Training Step:
                              | 10137/100000 [00:35<25:28, 58.81it/s]
                10%|
Training Step:
                10%|
                              | 10146/100000 [00:35<23:52, 62.70it/s]
Training Step:
                10%|
                              | 10154/100000 [00:35<23:09,
64.65it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
out_of_road.
Training Step: 10%|
                              | 10162/100000 [00:35<33:37,
44.54it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
```

```
out_of_road.
Training Step:
                10%|
                              | 10168/100000 [00:36<34:19, 43.63it/s]
Training Step:
                10%|
                              | 10176/100000 [00:36<29:54, 50.06it/s]
Training Step:
                10%|
                              | 10184/100000 [00:36<26:55,
55.59it/s][INFO] Episode ended! Scenario Index: 1006 Reason:
out of road.
                              | 10191/100000 [00:36<29:07,
Training Step: 10%
51.40it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
out_of_road.
Training Step: 10%|
                              | 10197/100000 [00:36<33:04,
45.26it/s][INFO] Episode ended! Scenario Index: 1004 Reason:
out_of_road.
                              | 10204/100000 [00:36<33:57, 44.06it/s]
Training Step:
                10%|
Training Step:
                10%|
                              | 10212/100000 [00:36<29:38, 50.50it/s]
Training Step:
                10%|
                              | 10220/100000 [00:37<26:53,
55.65it/s][INFO] Episode ended! Scenario Index: 1006 Reason:
out_of_road.
Training Step:
                10%|
                              | 10227/100000 [00:37<49:47, 30.05it/s]
Training Step:
                              | 10234/100000 [00:37<41:49, 35.77it/s]
                10%|
Training Step:
                10%|
                              | 10241/100000 [00:37<36:02, 41.50it/s]
                              | 10248/100000 [00:37<32:40,
Training Step: 10%|
45.78it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
out_of_road.
Training Step: 10%|
                              | 10254/100000 [00:38<36:13,
41.28it/s][INFO] Episode ended! Scenario Index: 1004 Reason:
out_of_road.
Training Step:
                              | 10260/100000 [00:38<52:36, 28.43it/s]
                10%|
                              | 10267/100000 [00:38<43:15, 34.57it/s]
Training Step:
                10%|
Training Step:
                10%|
                              | 10274/100000 [00:38<37:07,
40.29it/s][INFO] Episode ended! Scenario Index: 1018 Reason:
out_of_road.
Training Step:
                10%|
                              | 10280/100000 [00:38<38:45, 38.57it/s]
Training Step:
                10%|
                              | 10287/100000 [00:38<34:01, 43.93it/s]
Training Step:
                              | 10294/100000 [00:39<31:17,
                10%|
47.77it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
out_of_road.
Training Step: 10%
                              | 10300/100000 [00:39<34:36,
43.19it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
```

out_of_road.

```
Training Step:
                10%|
                              | 10306/100000 [00:39<36:42, 40.73it/s]
                              | 10313/100000 [00:39<32:36,
Training Step:
                10%|
45.83it/s][INFO] Episode ended! Scenario Index: 1016 Reason:
out of road.
Training Step: 10%
                              | 10318/100000 [00:39<57:45,
25.88it/s][INFO] Episode ended! Scenario Index: 1014 Reason:
out_of_road.
Training Step:
                10%|
                              | 10324/100000 [00:40<51:37, 28.95it/s]
                              | 10331/100000 [00:40<41:36, 35.92it/s]
Training Step:
                10%|
Training Step:
                10%|
                              | 10338/100000 [00:40<36:15,
41.21it/s][INFO] Episode ended! Scenario Index: 1018 Reason:
out_of_road.
Training Step:
                10%|
                              | 10344/100000 [00:40<36:47, 40.62it/s]
                10%|
                              | 10351/100000 [00:40<32:23,
Training Step:
46.13it/s][INFO] Episode ended! Scenario Index: 1019 Reason:
out of road.
Training Step: 10%
                              | 10357/100000 [00:40<33:05,
45.16it/s][INFO] Episode ended! Scenario Index: 1014 Reason:
out_of_road.
                10%|
                              | 10362/100000 [00:40<36:15, 41.19it/s]
Training Step:
                10%|
                              | 10369/100000 [00:40<31:50, 46.91it/s]
Training Step:
Training Step:
                10%|
                              | 10376/100000 [00:41<29:45, 50.20it/s]
Training Step:
                10%|
                              10383/100000 [00:41<27:26,
54.44it/s][INFO] Episode ended! Scenario Index: 1009 Reason:
out_of_road.
Training Step:
                10%|
                              | 10389/100000 [00:41<54:37, 27.34it/s]
Training Step:
                10%|
                              | 10397/100000 [00:41<42:40, 34.99it/s]
Training Step:
                10%|
                              | 10404/100000 [00:41<36:36, 40.79it/s]
Training Step:
                10%|
                              | 10411/100000 [00:42<32:28, 45.97it/s]
Training Step:
                10%|
                              | 10417/100000 [00:42<31:31, 47.36it/s]
Training Step:
                10%|
                              | 10423/100000 [00:42<31:28,
47.43it/s][INFO] Episode ended! Scenario Index: 1003 Reason:
out_of_road.
Training Step:
                10%|
                              | 10429/100000 [00:42<36:22, 41.04it/s]
                10%|
                              | 10436/100000 [00:42<32:26, 46.02it/s]
Training Step:
Training Step:
                10%|
                              | 10443/100000 [00:42<29:28, 50.64it/s]
Training Step:
                10%|
                              | 10450/100000 [00:42<28:00,
53.30it/s][INFO] Episode ended! Scenario Index: 1004 Reason:
out_of_road.
```

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Training Step:
                              | 10456/100000 [00:43<50:25, 29.60it/s]
                10%|
                              | 10464/100000 [00:43<40:09, 37.16it/s]
Training Step:
                10%|
Training Step:
                10%|
                              | 10472/100000 [00:43<33:41,
44.29it/s][INFO] Episode ended! Scenario Index: 1001 Reason:
out of road.
Training Step:
                10%|
                              | 10478/100000 [00:43<33:14, 44.89it/s]
                              | 10486/100000 [00:43<29:11, 51.12it/s]
Training Step:
                10%|
Training Step:
                              | 10494/100000 [00:43<26:34, 56.14it/s]
                10%|
                11%|
Training Step:
                              | 10502/100000 [00:43<24:39,
60.50it/s][INFO] Episode ended! Scenario Index: 1014 Reason:
out_of_road.
                              | 10509/100000 [00:44<28:02, 53.19it/s]
Training Step:
                11%|
Training Step:
                11%|
                              | 10516/100000 [00:44<26:42,
55.82it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
out_of_road.
                              | 10524/100000 [00:44<29:56, 49.81it/s]
Training Step:
                11%|
Training Step:
                11%|
                              | 10531/100000 [00:44<27:59, 53.27it/s]
Training Step:
                11%|
                              | 10538/100000 [00:44<26:43, 55.78it/s]
Training Step:
                11%|
                              | 10545/100000 [00:44<25:12,
59.16it/s][INFO] Episode ended! Scenario Index: 1016 Reason:
out_of_road.
Training Step:
                11%|
                              | 10552/100000 [00:45<39:12, 38.02it/s]
                              | 10560/100000 [00:45<33:06, 45.02it/s]
Training Step:
                11%|
Training Step:
                11%|
                              | 10567/100000 [00:45<29:53, 49.85it/s]
Training Step:
                11%|
                              10574/100000 [00:45<27:30,
54.17it/s][INFO] Episode ended! Scenario Index: 1010 Reason:
out_of_road.
Training Step:
                11%|
                              | 10581/100000 [00:45<51:43, 28.81it/s]
                              | 10589/100000 [00:46<41:26, 35.95it/s]
Training Step:
                11%|
Training Step:
                              | 10596/100000 [00:46<36:16, 41.07it/s]
                11%|
Training Step:
                11%|
                              | 10603/100000 [00:46<31:56,
46.66it/s][INFO] Episode ended! Scenario Index: 1007 Reason:
out_of_road.
Training Step:
                11%|
                              | 10610/100000 [00:46<33:52, 43.98it/s]
Training Step:
                11%|
                              | 10617/100000 [00:46<30:16, 49.22it/s]
Training Step:
                              | 10624/100000 [00:46<28:13, 52.77it/s]
                11%|
Training Step:
                11%|
                              | 10631/100000 [00:46<26:28,
56.26it/s][INFO] Episode ended! Scenario Index: 1004 Reason:
out_of_road.
Training Step: 11%|
                              | 10638/100000 [00:46<29:40,
```

50.19it/s][INFO] Episode ended! Scenario Index: 1012 Reason:

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out_of_road.
Training Step: 11%|
                              | 10644/100000 [00:47<32:01,
46.50it/s][INFO] Episode ended! Scenario Index: 1009 Reason:
out of road.
Training Step:
                11%|
                              | 10651/100000 [00:47<34:48, 42.78it/s]
Training Step:
                11%|
                              | 10658/100000 [00:47<31:46, 46.86it/s]
Training Step:
                              | 10665/100000 [00:47<29:20, 50.73it/s]
                11%|
                11%|
Training Step:
                              | 10672/100000 [00:47<27:34,
53.99it/s][INFO] Episode ended! Scenario Index: 1004 Reason:
out_of_road.
                              | 10678/100000 [00:47<33:44, 44.12it/s]
Training Step:
                11%|
                              | 10686/100000 [00:47<29:28, 50.49it/s]
Training Step:
                11%|
                              | 10694/100000 [00:48<26:53, 55.35it/s]
Training Step:
                11%|
Training Step:
                11%|
                              | 10701/100000 [00:48<25:38,
58.03it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
out_of_road.
Training Step:
                              | 10708/100000 [00:48<29:58, 49.66it/s]
                11%|
Training Step:
                              | 10715/100000 [00:48<27:48, 53.52it/s]
                11%|
Training Step:
                11%|
                              | 10722/100000 [00:48<26:25, 56.29it/s]
Training Step: 11%|
                              | 10729/100000 [00:48<25:04,
59.33it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
out_of_road.
Training Step:
                11%|
                              | 10736/100000 [00:48<30:35, 48.63it/s]
                              | 10743/100000 [00:48<27:51, 53.39it/s]
Training Step:
                11%|
Training Step:
                11%|
                              | 10750/100000 [00:49<26:34, 55.96it/s]
                              | 10757/100000 [00:49<25:10,
Training Step:
                11%|
59.08it/s][INFO] Episode ended! Scenario Index: 1003 Reason:
out_of_road.
Training Step:
                11%|
                              | 10764/100000 [00:49<28:38, 51.92it/s]
Training Step:
                11%|
                              | 10772/100000 [00:49<26:07, 56.91it/s]
Training Step: 11%
                              10780/100000 [00:49<24:47,
59.98it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
out_of_road.
Training Step:
                              | 10787/100000 [00:49<28:59, 51.29it/s]
                11%|
Training Step:
                              | 10794/100000 [00:49<27:44, 53.60it/s]
                11%|
Training Step:
                11%|
                              | 10802/100000 [00:49<25:27, 58.41it/s]
Training Step:
                11%|
                              | 10809/100000 [00:50<24:58,
59.52it/s][INFO] Episode ended! Scenario Index: 1007 Reason:
out_of_road.
```

| 10816/100000 [00:50<28:07,

Training Step: 11%|

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52.84it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
out_of_road.
                              | 10823/100000 [00:50<29:49, 49.83it/s]
Training Step:
                11%|
Training Step: 11%
                              | 10830/100000 [00:50<27:43,
53.60it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
out of road.
Training Step: 11%
                              | 10836/100000 [00:50<34:02, 43.65it/s]
Training Step:
               11%|
                              | 10843/100000 [00:50<30:10,
49.24it/s][INFO] Episode ended! Scenario Index: 1006 Reason:
out_of_road.
                              | 10850/100000 [00:51<33:08, 44.84it/s]
Training Step:
                11%|
Training Step:
                11%|
                              | 10857/100000 [00:51<29:43, 49.99it/s]
                              | 10864/100000 [00:51<27:47,
Training Step:
                11%|
53.46it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
out_of_road.
Training Step: 11%
                              | 10870/100000 [00:51<31:21,
47.38it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
out of road.
Training Step: 11%|
                              | 10878/100000 [00:51<32:14, 46.07it/s]
                              | 10885/100000 [00:51<29:01, 51.18it/s]
Training Step:
                11%|
                              | 10892/100000 [00:51<27:11, 54.62it/s]
Training Step:
                11%|
Training Step:
                              | 10900/100000 [00:51<25:34,
                11%|
58.05it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
out_of_road.
Training Step:
                              | 10907/100000 [00:52<28:24, 52.26it/s]
                11%|
Training Step:
                11%|
                              | 10914/100000 [00:52<26:44, 55.52it/s]
Training Step:
                11%|
                              | 10922/100000 [00:52<25:18, 58.66it/s]
Training Step:
                11%|
                              | 10929/100000 [00:52<24:16,
61.16it/s][INFO] Episode ended! Scenario Index: 1019 Reason:
out_of_road.
Training Step:
                              | 10936/100000 [00:52<46:34, 31.87it/s]
                11%|
Training Step:
                              | 10944/100000 [00:52<38:14, 38.81it/s]
                11%|
Training Step:
                11%|
                              | 10951/100000 [00:53<33:20, 44.51it/s]
Training Step:
                              | 10958/100000 [00:53<29:59,
                11%|
49.48it/s][INFO] Episode ended! Scenario Index: 1013 Reason:
out_of_road.
Training Step:
                11%|
                              | 10965/100000 [00:53<33:16, 44.59it/s]
Training Step:
                11%|
                              | 10971/100000 [00:53<31:08, 47.65it/s]
                              | 10978/100000 [00:53<28:36, 51.85it/s]
Training Step:
                11%|
Training Step:
               11%|
                              | 10985/100000 [00:53<26:44,
```

```
55.49it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
out_of_road.
Training Step:
                              | 10992/100000 [00:54<43:50, 33.83it/s]
                11%|
Training Step:
                              | 10999/100000 [00:54<37:02, 40.05it/s]
                11%|
Training Step:
                              | 11006/100000 [00:54<32:36,
                11%|
45.48it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
out_of_road.
Training Step: 11%|
                              | 11012/100000 [00:54<32:52,
45.10it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
out_of_road.
                              | 11019/100000 [00:54<33:23, 44.41it/s]
Training Step:
                11%|
                              | 11026/100000 [00:54<30:04, 49.31it/s]
Training Step:
                11%|
                11%|
                              | 11034/100000 [00:54<27:23,
Training Step:
54.12it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
out_of_road.
Training Step:
                              | 11040/100000 [00:54<30:00, 49.41it/s]
                11%|
Training Step:
                11%|
                              | 11047/100000 [00:55<27:23, 54.13it/s]
Training Step:
                              | 11053/100000 [00:55<26:45, 55.39it/s]
                11%|
Training Step: 11%|
                              | 11060/100000 [00:55<26:00,
56.99it/s][INFO] Episode ended! Scenario Index: 1016 Reason:
out_of_road.
                              | 11067/100000 [00:55<30:29, 48.61it/s]
Training Step:
                11%|
Training Step:
                11%|
                              | 11074/100000 [00:55<28:39, 51.70it/s]
                              | 11081/100000 [00:55<26:42,
Training Step:
                11%|
55.49it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
out_of_road.
Training Step:
                11%|
                              | 11087/100000 [00:55<30:58, 47.85it/s]
Training Step:
                11%|
                              | 11094/100000 [00:55<28:25, 52.14it/s]
Training Step:
                              | 11101/100000 [00:56<26:38, 55.61it/s]
                11%|
Training Step:
                11%|
                              | 11108/100000 [00:56<25:17,
58.57it/s][INFO] Episode ended! Scenario Index: 1019 Reason:
out_of_road.
Training Step:
                11%|
                              | 11115/100000 [00:56<29:34, 50.10it/s]
Training Step:
                11%|
                              | 11122/100000 [00:56<27:55, 53.05it/s]
Training Step:
                              | 11129/100000 [00:56<26:15,
                11%|
56.40it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
out_of_road.
Training Step:
                11%|
                              | 11135/100000 [00:56<32:05, 46.14it/s]
Training Step:
                11%|
                              | 11142/100000 [00:56<29:33, 50.11it/s]
Training Step:
                              | 11149/100000 [00:57<27:10, 54.51it/s]
                11%|
```

Training Step: 11% | 11156/100000 [00:57<25:54, 57.14it/s] [INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.

```
| 11163/100000 [00:57<30:06, 49.17it/s]
Training Step:
                11%|
Training Step:
                11%|
                              | 11170/100000 [00:57<28:02, 52.80it/s]
Training Step:
                11%|
                              | 11178/100000 [00:57<25:59, 56.96it/s]
Training Step:
                11%|
                              | 11185/100000 [00:57<24:34, 60.22it/s]
                              | 11192/100000 [00:57<24:22, 60.72it/s]
Training Step:
                11%|
Training Step:
                11%|
                              | 11199/100000 [00:57<23:36, 62.70it/s]
Training Step:
                              | 11206/100000 [00:57<23:33, 62.81it/s]
                11%|
                              | 11213/100000 [00:58<23:16, 63.56it/s]
Training Step:
                11%|
                              | 11220/100000 [00:58<22:57, 64.46it/s]
Training Step:
                11%|
                              | 11227/100000 [00:58<22:36, 65.43it/s]
Training Step:
                11%|
Training Step:
                11%|
                              | 11234/100000 [00:58<22:50, 64.75it/s]
                              | 11241/100000 [00:58<22:39, 65.30it/s]
Training Step:
                11%|
Training Step:
                11%|
                              | 11248/100000 [00:58<22:41, 65.17it/s]
Training Step:
                11%|
                              | 11255/100000 [00:58<22:36, 65.45it/s]
Training Step:
                11%|
                              | 11262/100000 [00:58<22:53, 64.60it/s]
Training Step:
                11%|
                              | 11269/100000 [00:58<22:34, 65.50it/s]
Training Step:
                11%|
                              | 11276/100000 [00:59<22:54, 64.57it/s]
                              | 11283/100000 [00:59<22:40, 65.19it/s]
Training Step:
                11%|
Training Step:
                11%|
                              | 11290/100000 [00:59<22:58, 64.35it/s]
Training Step:
                              | 11297/100000 [00:59<22:28, 65.79it/s]
                11%|
Training Step:
                11%|
                              | 11304/100000 [00:59<22:45, 64.95it/s]
                              | 11312/100000 [00:59<22:19, 66.21it/s]
Training Step:
                11%|
Training Step:
                11%|
                              | 11320/100000 [00:59<22:11, 66.60it/s]
                              | 11327/100000 [00:59<22:09, 66.69it/s]
Training Step:
                11%|
                              | 11334/100000 [00:59<22:09, 66.68it/s]
Training Step:
                11%|
Training Step:
                11%|
                              | 11341/100000 [01:00<22:02, 67.05it/s]
                              | 11348/100000 [01:00<23:04, 64.05it/s]
Training Step:
                11%|
Training Step:
                11%|
                              | 11356/100000 [01:00<22:24, 65.92it/s]
Training Step:
                11%|
                              | 11364/100000 [01:00<21:58, 67.21it/s]
Training Step:
                11%|
                              | 11372/100000 [01:00<21:58, 67.22it/s]
                              | 11379/100000 [01:00<21:47, 67.77it/s]
Training Step:
                11%|
                              | 11386/100000 [01:00<22:12, 66.52it/s]
Training Step:
                11%|
                              | 11393/100000 [01:00<23:24, 63.08it/s]
Training Step:
                11%|
Training Step:
                11%|
                              | 11400/100000 [01:00<24:16, 60.83it/s]
Training Step:
                              | 11407/100000 [01:01<23:35, 62.59it/s]
                11%|
Training Step:
                11%|
                              | 11414/100000 [01:01<23:47, 62.07it/s]
Training Step:
                11%|
                              | 11421/100000 [01:01<23:13, 63.54it/s]
Training Step:
                11%|
                              | 11428/100000 [01:01<23:05, 63.92it/s]
Training Step:
                11%|
                              | 11435/100000 [01:01<22:36, 65.29it/s]
                              | 11442/100000 [01:01<22:17, 66.23it/s]
Training Step:
                11%|
                              | 11449/100000 [01:01<22:11, 66.51it/s]
Training Step:
                11%|
Training Step:
                11%|
                              | 11456/100000 [01:01<22:29, 65.62it/s]
                              | 11464/100000 [01:01<21:47, 67.74it/s]
Training Step:
                11%|
Training Step:
                11%|
                              | 11471/100000 [01:02<21:42, 67.96it/s]
```

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Training Step:
                              | 11478/100000 [01:02<21:53, 67.38it/s]
                11%|
                              | 11485/100000 [01:02<21:42, 67.94it/s]
Training Step:
                11%|
Training Step:
                11%|
                              | 11492/100000 [01:02<21:38, 68.16it/s]
Training Step:
                11%|
                              | 11499/100000 [01:02<21:33, 68.40it/s]
Training Step:
                              | 11506/100000 [01:02<21:38, 68.17it/s]
                12%|
Training Step:
                12%|
                              | 11514/100000 [01:02<21:18, 69.21it/s]
Training Step:
                12%|
                              | 11522/100000 [01:02<21:08, 69.73it/s]
Training Step:
                12%|
                              | 11530/100000 [01:02<20:58, 70.30it/s]
                              | 11538/100000 [01:02<20:57, 70.32it/s]
Training Step:
                12%|
Training Step:
                12%|
                                11546/100000 [01:03<21:04, 69.97it/s]
                              | 11553/100000 [01:03<21:22, 68.98it/s]
Training Step:
                12%|
                                11560/100000 [01:03<21:52, 67.39it/s]
Training Step:
                12%|
                                11568/100000 [01:03<21:39, 68.06it/s]
Training Step:
                12%|
                              | 11576/100000 [01:03<21:33, 68.34it/s]
Training Step:
                12%|
Training Step:
                12%|
                                11584/100000 [01:03<21:31, 68.46it/s]
                              | 11592/100000 [01:03<21:15, 69.34it/s]
Training Step:
                12%|
Training Step:
                12%|
                                11600/100000 [01:03<21:10, 69.59it/s]
Training Step:
                12%|
                              | 11607/100000 [01:03<21:17, 69.21it/s]
Training Step:
                12%|
                                11614/100000 [01:04<21:24, 68.83it/s]
Training Step:
                12%|
                                11622/100000 [01:04<20:58, 70.21it/s]
Training Step:
                12%|
                              | 11630/100000 [01:04<20:57, 70.25it/s]
                              | 11638/100000 [01:04<20:44, 70.99it/s]
Training Step:
                12%|
Training Step:
                12%|
                              | 11646/100000 [01:04<21:02, 69.99it/s]
Training Step:
                                11654/100000 [01:04<21:01, 70.04it/s]
                12%|
Training Step:
                12%|
                              | 11662/100000 [01:04<20:50, 70.64it/s]
                                11670/100000 [01:04<20:42, 71.07it/s]
Training Step:
                12%|
                                11678/100000 [01:04<20:40, 71.17it/s]
                12%|
Training Step:
Training Step:
                12%|
                                11686/100000 [01:05<20:26, 72.02it/s]
                                11694/100000 [01:05<20:32, 71.65it/s]
Training Step:
                12%|
Training Step:
                12%|
                                11702/100000 [01:05<20:49, 70.65it/s]
                12%|
                                11710/100000 [01:05<20:53, 70.43it/s]
Training Step:
Training Step:
                12%|
                              | 11718/100000 [01:05<21:03, 69.86it/s]
Training Step:
                12%|
                              | 11726/100000 [01:05<20:59, 70.08it/s]
Training Step:
                12%|
                                11734/100000 [01:05<21:05, 69.74it/s]
Training Step:
                                11742/100000 [01:05<20:53, 70.42it/s]
                12%|
                              | 11750/100000 [01:05<20:54, 70.35it/s]
Training Step:
                12%|
                              | 11758/100000 [01:06<21:15, 69.20it/s]
Training Step:
                12%|
Training Step:
                12%|
                              | 11766/100000 [01:06<21:03, 69.86it/s]
Training Step:
                              | 11774/100000 [01:06<20:54, 70.32it/s]
                12%|
Training Step:
                12%|
                              | 11782/100000 [01:06<21:01, 69.91it/s]
Training Step:
                12%|
                              | 11790/100000 [01:06<20:47, 70.73it/s]
Training Step:
                12%|
                                11798/100000 [01:06<21:19, 68.92it/s]
Training Step:
                12%|
                              | 11806/100000 [01:06<21:19, 68.93it/s]
                              | 11813/100000 [01:06<21:20, 68.85it/s]
Training Step:
                12%|
Training Step:
                12%|
                                11820/100000 [01:07<23:04, 63.70it/s]
Training Step:
                12%|
                              | 11828/100000 [01:07<22:55, 64.11it/s]
Training Step:
                12%|
                              | 11835/100000 [01:07<22:29, 65.32it/s]
Training Step:
                12%|
                              | 11842/100000 [01:07<22:18, 65.88it/s]
```

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Training Step:
                              | 11849/100000 [01:07<22:20, 65.75it/s]
                12%|
                              | 11856/100000 [01:07<23:23, 62.81it/s]
Training Step:
                12%|
Training Step:
                12%|
                              | 11863/100000 [01:07<23:08, 63.46it/s]
Training Step:
                12%|
                              | 11870/100000 [01:07<23:15, 63.17it/s]
Training Step:
                              | 11877/100000 [01:07<22:34, 65.06it/s]
                12%|
Training Step:
                12%|
                              | 11884/100000 [01:08<22:35, 64.99it/s]
Training Step:
                12%|
                              | 11891/100000 [01:08<22:25, 65.48it/s]
Training Step:
                12%|
                              | 11898/100000 [01:08<22:40, 64.74it/s]
                              | 11905/100000 [01:08<22:32, 65.12it/s]
Training Step:
                12%|
Training Step:
                12%|
                              | 11912/100000 [01:08<23:00, 63.79it/s]
Training Step:
                12%|
                              | 11919/100000 [01:08<22:35, 64.98it/s]
                              | 11926/100000 [01:08<24:13, 60.58it/s]
Training Step:
                12%|
                              | 11933/100000 [01:08<23:33, 62.28it/s]
Training Step:
                12%|
                              | 11940/100000 [01:08<23:36, 62.18it/s]
Training Step:
                12%|
                              | 11947/100000 [01:09<23:37, 62.11it/s]
Training Step:
                12%|
                12%|
                              | 11954/100000 [01:09<23:44, 61.79it/s]
Training Step:
Training Step:
                12%|
                              | 11962/100000 [01:09<23:06, 63.48it/s]
Training Step:
                12%|
                              | 11969/100000 [01:09<22:45, 64.47it/s]
Training Step:
                12%|
                              | 11976/100000 [01:09<23:07, 63.44it/s]
Training Step:
                12%|
                              | 11983/100000 [01:09<23:13, 63.16it/s]
Training Step:
                12%|
                              | 11990/100000 [01:09<22:59, 63.81it/s]
                              | 11997/100000 [01:09<23:16, 63.01it/s]
Training Step:
                12%|
Training Step:
                12%|
                              | 12004/100000 [01:09<24:50, 59.04it/s]
Training Step:
                              | 12011/100000 [01:10<23:55, 61.30it/s]
                12%|
Training Step:
                12%|
                              | 12018/100000 [01:10<23:56, 61.26it/s]
                              | 12025/100000 [01:10<23:32, 62.27it/s]
Training Step:
                12%|
Training Step:
                12%|
                              | 12032/100000 [01:10<23:16, 62.97it/s]
Training Step:
                12%|
                              | 12039/100000 [01:10<22:34, 64.93it/s]
                              | 12046/100000 [01:10<23:26, 62.54it/s]
Training Step:
                12%|
Training Step:
                12%|
                              | 12053/100000 [01:10<23:00, 63.73it/s]
                12%|
                              | 12060/100000 [01:10<23:26, 62.50it/s]
Training Step:
Training Step:
                12%|
                              | 12067/100000 [01:10<22:52, 64.05it/s]
Training Step:
                12%|
                              | 12074/100000 [01:11<23:40,
61.89it/s][INFO] Episode ended! Scenario Index: 1018 Reason:
out of road.
Training Step:
                12%|
                              | 12081/100000 [01:11<29:34, 49.55it/s]
Training Step:
                12%|
                              | 12087/100000 [01:11<28:30, 51.38it/s]
Training Step:
                              | 12094/100000 [01:11<27:08, 53.99it/s]
                12%|
Training Step:
                12%|
                              | 12101/100000 [01:11<25:37, 57.18it/s]
Training Step:
                12%|
                              | 12107/100000 [01:11<25:33, 57.32it/s]
Training Step:
                12%|
                              | 12114/100000 [01:11<24:37, 59.47it/s]
Training Step:
                12%|
                              | 12121/100000 [01:11<23:48, 61.52it/s]
                              | 12128/100000 [01:12<24:02, 60.92it/s]
Training Step:
                12%|
Training Step:
                12%|
                              | 12135/100000 [01:12<23:23, 62.60it/s]
Training Step:
                12%|
                              | 12142/100000 [01:12<23:47, 61.55it/s]
Training Step:
                12%|
                              | 12149/100000 [01:12<23:21, 62.67it/s]
Training Step:
                12%|
                              | 12156/100000 [01:12<23:22,
```

62.62it/s][INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.

Training Step: | 12163/100000 [01:12<28:48, 50.82it/s] 12%| Training Step: | 12169/100000 [01:12<28:04, 52.14it/s] 12%| Training Step: 12%| | 12175/100000 [01:12<28:00, 52.27it/s] Training Step: 12%| | 12182/100000 [01:13<26:56, 54.32it/s][INFO] Episode ended! Scenario Index: 1015 Reason: out of road. | 12189/100000 [01:13<32:16, 45.34it/s] Training Step: 12%| | 12196/100000 [01:13<29:58, 48.82it/s] Training Step: 12%| | 12202/100000 [01:13<28:38, 51.09it/s] Training Step: 12%| Training Step: 12%| | 12209/100000 [01:13<27:00, 54.19it/s] Training Step: 12%| | 12216/100000 [01:13<26:01, 56.23it/s] | 12222/100000 [01:13<25:58, 56.33it/s] Training Step: 12%| Training Step: 12%| | 12229/100000 [01:13<24:42, 59.22it/s] Training Step: 12%| | 12236/100000 [01:13<24:33, 59.56it/s] Training Step: 12%| | 12243/100000 [01:14<23:37, 61.91it/s] Training Step: 12%| | 12250/100000 [01:14<23:25, 62.42it/s] | 12257/100000 [01:14<23:29, 62.24it/s] Training Step: 12%| | 12264/100000 [01:14<23:17, 62.80it/s] Training Step: 12%| Training Step: 12%| | 12271/100000 [01:14<23:11, 63.05it/s] Training Step: | 12278/100000 [01:14<23:03, 63.40it/s] 12%| Training Step: 12%| | 12285/100000 [01:14<22:43, 64.35it/s] Training Step: 12%| | 12292/100000 [01:14<23:17, 62.75it/s] 12%| | 12299/100000 [01:14<22:49, 64.05it/s] Training Step: Training Step: 12%| | 12306/100000 [01:15<23:10, 63.06it/s] | 12313/100000 [01:15<22:32, 64.82it/s] Training Step: 12%| Training Step: 12%| | 12320/100000 [01:15<22:51, 63.93it/s] | 12327/100000 [01:15<22:38, 64.55it/s] Training Step: 12%| Training Step: 12%| | 12334/100000 [01:15<22:51, 63.92it/s] Training Step: 12%| | 12341/100000 [01:15<23:27, 62.30it/s] Training Step: 12%| | 12348/100000 [01:15<23:36, 61.86it/s] | 12355/100000 [01:15<23:21, 62.55it/s] Training Step: 12%| Training Step: 12%| | 12362/100000 [01:15<23:32, 62.04it/s] | 12369/100000 [01:16<23:16, 62.76it/s] Training Step: 12%| Training Step: 12%| | 12376/100000 [01:16<23:33, 62.01it/s] Training Step: | 12383/100000 [01:16<22:48, 64.03it/s] 12%| Training Step: 12%| | 12390/100000 [01:16<23:11, 62.96it/s] Training Step: 12%| | 12397/100000 [01:16<24:11, 60.33it/s] Training Step: 12%| | 12404/100000 [01:16<24:19, 60.01it/s] Training Step: 12%| | 12411/100000 [01:16<24:24, 59.80it/s] Training Step: 12%| | 12417/100000 [01:16<24:38, 59.22it/s] Training Step: 12%| | 12424/100000 [01:16<24:07, 60.52it/s] Training Step: 12%| | 12431/100000 [01:17<23:29, 62.11it/s]

| 12438/100000 [01:17<24:07, 60.50it/s]

| 12446/100000 [01:17<23:15, 62.74it/s]

Training Step:

Training Step:

12%|

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Training Step:
                12%|
                              | 12467/100000 [01:17<22:54, 63.70it/s]
Training Step:
                12%|
                              | 12474/100000 [01:17<23:16, 62.69it/s]
                              | 12482/100000 [01:17<22:38, 64.44it/s]
Training Step:
                12%|
Training Step:
                12%|
                              | 12490/100000 [01:18<22:16, 65.47it/s]
Training Step:
                12%|
                              | 12497/100000 [01:18<21:55, 66.52it/s]
Training Step:
                13%|
                              | 12504/100000 [01:18<21:50, 66.75it/s]
                              | 12512/100000 [01:18<21:31, 67.75it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 12519/100000 [01:18<21:48, 66.85it/s]
                              | 12526/100000 [01:18<21:35, 67.55it/s]
Training Step:
                13%|
                              | 12534/100000 [01:18<21:29, 67.81it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 12541/100000 [01:18<22:14, 65.55it/s]
Training Step:
                13%|
                              | 12548/100000 [01:18<23:32,
61.92it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
out_of_road.
Training Step:
                13%|
                              | 12555/100000 [01:19<28:43, 50.75it/s]
Training Step:
                13%|
                              | 12562/100000 [01:19<26:37, 54.73it/s]
                              | 12569/100000 [01:19<24:57, 58.37it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 12576/100000 [01:19<24:02, 60.61it/s]
                              | 12583/100000 [01:19<23:17, 62.55it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 12590/100000 [01:19<22:48, 63.86it/s]
                              | 12598/100000 [01:19<22:14, 65.47it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 12605/100000 [01:19<22:00, 66.18it/s]
Training Step:
                13%|
                              | 12612/100000 [01:19<21:43,
67.07it/s][INFO] Episode ended! Scenario Index: 1007 Reason:
out_of_road.
Training Step:
                13%|
                              | 12619/100000 [01:20<27:13, 53.50it/s]
Training Step:
                13%|
                              | 12626/100000 [01:20<25:56, 56.15it/s]
Training Step:
                13%|
                              | 12633/100000 [01:20<24:42, 58.92it/s]
Training Step:
                13%|
                              | 12640/100000 [01:20<23:51, 61.04it/s]
Training Step:
                13%|
                              | 12647/100000 [01:20<23:15,
62.62it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
out_of_road.
Training Step: 13%
                              | 12654/100000 [01:20<27:50,
52.29it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
out_of_road.
                              | 12661/100000 [01:20<28:54, 50.36it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 12668/100000 [01:21<26:50, 54.23it/s]
Training Step:
                13%|
                              | 12675/100000 [01:21<25:05, 58.01it/s]
Training Step:
                13%|
                              | 12683/100000 [01:21<23:03, 63.10it/s]
Training Step:
                13%|
                              | 12691/100000 [01:21<21:44, 66.94it/s]
                              | 12699/100000 [01:21<20:44, 70.16it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 12707/100000 [01:21<20:00, 72.73it/s]
```

| 12453/100000 [01:17<22:40, 64.36it/s]

| 12460/100000 [01:17<23:25, 62.29it/s]

Training Step:

Training Step:

12%|

```
73.14it/s][INFO] Episode ended! Scenario Index: 1014 Reason:
out_of_road.
                              | 12723/100000 [01:21<24:04, 60.42it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 12730/100000 [01:21<23:27, 62.02it/s]
Training Step:
                13%|
                              | 12738/100000 [01:22<22:42, 64.02it/s]
Training Step:
                13%|
                              | 12746/100000 [01:22<22:16, 65.30it/s]
                              | 12754/100000 [01:22<21:54, 66.38it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 12762/100000 [01:22<21:29, 67.66it/s]
Training Step:
                              | 12769/100000 [01:22<21:20, 68.10it/s]
                13%|
                              | 12776/100000 [01:22<21:25, 67.88it/s]
Training Step:
                13%|
                              | 12784/100000 [01:22<21:11, 68.59it/s]
Training Step:
                13%|
                              | 12791/100000 [01:22<21:04, 68.98it/s]
Training Step:
                13%|
                              | 12798/100000 [01:22<21:06, 68.88it/s]
Training Step:
                13%|
                              | 12805/100000 [01:22<21:00, 69.20it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 12812/100000 [01:23<21:07, 68.81it/s]
Training Step:
                13%|
                              | 12820/100000 [01:23<21:27, 67.70it/s]
Training Step:
                              | 12827/100000 [01:23<21:26, 67.75it/s]
                13%|
Training Step:
                13%|
                              | 12834/100000 [01:23<21:54, 66.31it/s]
Training Step:
                13%|
                              | 12841/100000 [01:23<22:21, 64.97it/s]
                              | 12848/100000 [01:23<22:55, 63.36it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 12856/100000 [01:23<22:40, 64.06it/s]
                              | 12863/100000 [01:23<22:35, 64.28it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 12870/100000 [01:24<22:55, 63.33it/s]
Training Step:
                13%|
                              | 12878/100000 [01:24<22:18, 65.08it/s]
                13%|
Training Step:
                              | 12886/100000 [01:24<21:48,
66.58it/s][INFO] Episode ended! Scenario Index: 1009 Reason:
out_of_road.
Training Step:
                              | 12893/100000 [01:24<24:33, 59.11it/s]
                13%|
Training Step:
                13%|
                              | 12900/100000 [01:24<24:13, 59.91it/s]
Training Step:
                13%|
                              | 12908/100000 [01:24<23:19, 62.22it/s]
Training Step:
                13%|
                              | 12916/100000 [01:24<22:12, 65.34it/s]
                              | 12924/100000 [01:24<21:47, 66.59it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 12932/100000 [01:24<21:40,
66.96it/s][INFO] Episode ended! Scenario Index: 1019 Reason:
out_of_road.
Training Step:
                13%|
                              | 12940/100000 [01:25<23:54, 60.69it/s]
Training Step:
                13%|
                              | 12947/100000 [01:25<23:08, 62.69it/s]
Training Step:
                13%|
                              | 12954/100000 [01:25<22:31, 64.39it/s]
Training Step:
                13%|
                              | 12962/100000 [01:25<22:06, 65.63it/s]
Training Step:
                13%|
                              | 12969/100000 [01:25<21:48, 66.53it/s]
Training Step:
                13%|
                              | 12976/100000 [01:25<21:36, 67.12it/s]
Training Step:
                13%|
                              | 12984/100000 [01:25<21:14, 68.25it/s]
Training Step:
                13%|
                              | 12992/100000 [01:25<21:17, 68.11it/s]
Training Step:
                13%|
                              | 13000/100000 [01:25<20:55, 69.29it/s]
```

| 12715/100000 [01:21<19:53,

Training Step: 13%|

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Training Step:
                              | 13008/100000 [01:26<20:53, 69.37it/s]
                13%|
                              | 13015/100000 [01:26<20:50, 69.54it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 13022/100000 [01:26<21:51, 66.30it/s]
Training Step:
                13%|
                              | 13030/100000 [01:26<21:23, 67.77it/s]
                              | 13038/100000 [01:26<21:10, 68.45it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 13046/100000 [01:26<20:50, 69.53it/s]
Training Step:
                13%|
                              | 13053/100000 [01:26<20:57, 69.12it/s]
                              | 13061/100000 [01:26<20:37, 70.27it/s]
Training Step:
                13%|
                              | 13069/100000 [01:26<20:21, 71.16it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 13077/100000 [01:27<20:09, 71.86it/s]
Training Step:
                              | 13085/100000 [01:27<20:21, 71.17it/s]
                13%|
                              | 13093/100000 [01:27<20:10, 71.81it/s]
Training Step:
                13%|
                              | 13101/100000 [01:27<19:58, 72.48it/s]
Training Step:
                13%|
                              | 13109/100000 [01:27<20:00, 72.36it/s]
Training Step:
                13%|
                              | 13117/100000 [01:27<20:15, 71.46it/s]
Training Step:
                13%|
                13%|
                              | 13125/100000 [01:27<20:23, 71.03it/s]
Training Step:
Training Step:
                13%|
                              | 13133/100000 [01:27<20:27, 70.77it/s]
                13%|
                              | 13141/100000 [01:27<20:01,
Training Step:
72.31it/s][INFO] Episode ended! Scenario Index: 1014 Reason:
out of road.
                              | 13149/100000 [01:28<23:34, 61.42it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 13156/100000 [01:28<23:17, 62.16it/s]
Training Step:
                13%|
                              | 13163/100000 [01:28<22:33, 64.17it/s]
Training Step:
                13%|
                              | 13170/100000 [01:28<22:25, 64.52it/s]
                              | 13178/100000 [01:28<21:33, 67.10it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 13185/100000 [01:28<21:18, 67.90it/s]
Training Step:
                13%|
                              | 13192/100000 [01:28<21:36, 66.98it/s]
                              | 13200/100000 [01:28<21:03, 68.72it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 13208/100000 [01:29<21:04, 68.61it/s]
                13%|
                              | 13216/100000 [01:29<20:58, 68.96it/s]
Training Step:
Training Step:
                13%|
                              | 13224/100000 [01:29<20:48,
69.51it/s][INFO] Episode ended! Scenario Index: 1001 Reason:
out_of_road.
Training Step:
                13%|
                              | 13231/100000 [01:29<23:26, 61.69it/s]
Training Step:
                13%|
                              | 13239/100000 [01:29<22:31,
64.19it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
out_of_road.
Training Step:
                              | 13246/100000 [01:29<25:59, 55.64it/s]
                13%|
Training Step:
                13%|
                              | 13253/100000 [01:29<24:35, 58.80it/s]
Training Step:
                13%|
                              | 13260/100000 [01:29<24:15, 59.59it/s]
                              | 13267/100000 [01:29<23:15, 62.14it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 13274/100000 [01:30<23:02,
62.74it/s][INFO] Episode ended! Scenario Index: 1018 Reason:
out_of_road.
```

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Training Step:
                              | 13281/100000 [01:30<26:27, 54.63it/s]
                13%|
Training Step:
                13%|
                              | 13288/100000 [01:30<25:29, 56.68it/s]
Training Step:
                13%|
                              | 13295/100000 [01:30<24:13, 59.63it/s]
                13%|
                              | 13302/100000 [01:30<23:39,
Training Step:
61.09it/s][INFO] Episode ended! Scenario Index: 1018 Reason:
out_of_road.
Training Step:
                13%|
                              | 13309/100000 [01:30<27:48, 51.95it/s]
                              | 13316/100000 [01:30<26:19, 54.89it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 13323/100000 [01:30<24:40, 58.54it/s]
                              | 13330/100000 [01:31<24:00, 60.17it/s]
Training Step:
                13%|
                              | 13337/100000 [01:31<23:25, 61.65it/s]
Training Step:
                13%|
                              | 13344/100000 [01:31<23:19, 61.91it/s]
Training Step:
                13%|
                              | 13351/100000 [01:31<23:00, 62.75it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 13358/100000 [01:31<23:01, 62.70it/s]
                              | 13365/100000 [01:31<22:48, 63.32it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 13372/100000 [01:31<22:57, 62.90it/s]
                13%|
                              | 13379/100000 [01:31<22:17, 64.78it/s]
Training Step:
Training Step:
                              | 13386/100000 [01:31<22:39, 63.73it/s]
                13%|
Training Step:
                13%|
                              | 13393/100000 [01:32<22:26, 64.30it/s]
Training Step:
                13%|
                              | 13400/100000 [01:32<22:57, 62.86it/s]
                              | 13407/100000 [01:32<22:47, 63.34it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 13414/100000 [01:32<22:30, 64.12it/s]
                              | 13422/100000 [01:32<21:44, 66.35it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 13430/100000 [01:32<21:27, 67.25it/s]
Training Step:
                13%|
                              | 13438/100000 [01:32<21:25, 67.34it/s]
                13%|
Training Step:
                              | 13445/100000 [01:32<21:18,
67.70it/s][INFO] Episode ended! Scenario Index: 1003 Reason:
out_of_road.
Training Step:
                              | 13452/100000 [01:33<27:17, 52.87it/s]
                13%|
Training Step:
                13%|
                              | 13459/100000 [01:33<25:33, 56.44it/s]
Training Step:
                13%|
                              | 13466/100000 [01:33<24:38, 58.51it/s]
Training Step:
                13%|
                              | 13474/100000 [01:33<23:33, 61.23it/s]
                              | 13481/100000 [01:33<23:21, 61.75it/s]
Training Step:
                13%|
                              | 13488/100000 [01:33<23:12, 62.12it/s]
Training Step:
                13%|
Training Step:
                13%|
                              | 13495/100000 [01:33<23:17, 61.91it/s]
Training Step:
                14%|
                              | 13502/100000 [01:33<23:13, 62.08it/s]
                              | 13509/100000 [01:33<22:47, 63.25it/s]
Training Step:
                14%|
Training Step:
                14%|
                              | 13516/100000 [01:34<23:12, 62.13it/s]
                14%|
                              | 13523/100000 [01:34<22:50, 63.09it/s]
Training Step:
Training Step:
                              | 13530/100000 [01:34<22:43, 63.43it/s]
                14%|
Training Step:
                14%|
                              | 13537/100000 [01:34<22:46, 63.27it/s]
Training Step:
                14%|
                              13544/100000 [01:34<22:51,
63.04it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
out_of_road.
Training Step: 14%|
                              | 13551/100000 [01:34<28:01, 51.42it/s]
```

Training Step: 14%| | 13572/100000 [01:35<25:37, 56.21it/s][INFO] Episode ended! Scenario Index: 1017 Reason:

out_of_road.

Training Step: 14%| | 13578/100000 [01:35<29:43, 48.45it/s] 14%| | 13585/100000 [01:35<27:41, 52.01it/s] Training Step: | 13592/100000 [01:35<26:29, 54.36it/s] Training Step: 14%| | 13599/100000 [01:35<26:47, 53.75it/s] Training Step: 14%| | 13605/100000 [01:35<26:05, 55.18it/s] Training Step: 14%| Training Step: 14%| | 13611/100000 [01:35<26:42, 53.89it/s] | 13617/100000 [01:35<26:12, 54.93it/s] Training Step: 14%| Training Step: 14%| | 13623/100000 [01:36<25:34, 56.30it/s] Training Step: 14%| | 13629/100000 [01:36<25:23, 56.70it/s] Training Step: 14%| | 13636/100000 [01:36<24:44, 58.16it/s] Training Step: 14%| | 13643/100000 [01:36<24:00, 59.97it/s] Training Step: 14%| | 13650/100000 [01:36<23:45, 60.57it/s] | 13657/100000 [01:36<23:27, 61.36it/s] Training Step: 14%| Training Step: 14%| | 13664/100000 [01:36<23:38, 60.86it/s] Training Step: | 13671/100000 [01:36<23:23, 61.50it/s] 14%| Training Step: 14%| | 13678/100000 [01:36<22:53, 62.85it/s] | 13686/100000 [01:37<22:27, 64.06it/s] Training Step: 14%| Training Step: 14%| | 13693/100000 [01:37<21:56, 65.54it/s] Training Step: 14%| | 13700/100000 [01:37<22:13, 64.70it/s] | 13707/100000 [01:37<21:47, 65.98it/s] Training Step: 14%| Training Step: 14%| | 13714/100000 [01:37<22:02, 65.27it/s] | 13721/100000 [01:37<21:46, 66.05it/s] Training Step: 14%| Training Step: 14%| | 13728/100000 [01:37<22:12, 64.77it/s] Training Step: 14%| | 13735/100000 [01:37<22:15, 64.60it/s] Training Step: 14%| | 13742/100000 [01:37<22:47, 63.10it/s] | 13749/100000 [01:37<22:36, 63.60it/s] Training Step: 14%| Training Step: 14%| | 13756/100000 [01:38<22:09, 64.85it/s] Training Step: 14%| | 13763/100000 [01:38<22:13, 64.66it/s] Training Step: 14%| | 13770/100000 [01:38<22:23, 64.17it/s] Training Step: | 13777/100000 [01:38<21:53, 65.63it/s] 14%| Training Step: 14%| | 13784/100000 [01:38<22:31, 63.78it/s] Training Step: 14%| | 13791/100000 [01:38<21:59, 65.34it/s] Training Step: 14%| | 13798/100000 [01:38<22:35, 63.58it/s] Training Step: 14%| | 13805/100000 [01:38<22:38, 63.43it/s] Training Step: 14%| | 13812/100000 [01:38<23:15, 61.76it/s] Training Step: 14%| | 13819/100000 [01:39<23:06, 62.15it/s] Training Step: 14%| | 13826/100000 [01:39<23:30, 61.09it/s] Training Step: 14%| | 13833/100000 [01:39<22:48, 62.95it/s] Training Step: 14%| | 13840/100000 [01:39<23:06,

62.15it/s][INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.

Training Step: 14% | 13847/100000 [01:39<26:49, 53.54it/s]
Training Step: 14% | 13854/100000 [01:39<25:17, 56.76it/s]
Training Step: 14% | 13861/100000 [01:39<24:17,

Training Step: 14% | 13861/100000 [01:39<24:17, 59.11it/s] [INFO] Episode ended! Scenario Index: 1009 Reason:

out_of_road.

| 13868/100000 [01:40<28:11, 50.93it/s] Training Step: 14%| 14%| | 13875/100000 [01:40<26:32, 54.08it/s] Training Step: | 13882/100000 [01:40<25:23, 56.54it/s] Training Step: 14%| | 13889/100000 [01:40<24:09, 59.39it/s] Training Step: 14%| | 13896/100000 [01:40<23:55, 59.98it/s] Training Step: 14%| Training Step: 14%| | 13903/100000 [01:40<22:56, 62.54it/s] | 13910/100000 [01:40<23:49, 60.24it/s] Training Step: 14%| Training Step: 14%| | 13917/100000 [01:40<23:35, 60.82it/s] Training Step: 14%| | 13924/100000 [01:40<23:42, 60.52it/s] Training Step: 14%| | 13931/100000 [01:41<23:35, 60.79it/s] Training Step: 14%| | 13938/100000 [01:41<24:19, 58.97it/s] Training Step: 14%| | 13945/100000 [01:41<23:52, 60.06it/s] | 13952/100000 [01:41<23:17, 61.57it/s] Training Step: 14%| Training Step: 14%| | 13959/100000 [01:41<23:34, 60.82it/s] Training Step: | 13966/100000 [01:41<23:34, 60.83it/s] 14%| Training Step: 14%| | 13973/100000 [01:41<23:26, 61.14it/s] | 13980/100000 [01:41<23:47, 60.27it/s] Training Step: 14%| Training Step: 14%| | 13987/100000 [01:41<23:09, 61.89it/s] Training Step: 14%| | 13994/100000 [01:42<23:27, 61.10it/s] | 14001/100000 [01:42<23:38, 60.61it/s] Training Step: 14%| Training Step: 14%| | 14008/100000 [01:42<24:03, 59.57it/s] | 14015/100000 [01:42<23:34, 60.78it/s] Training Step: 14%| Training Step: 14%| | 14022/100000 [01:42<23:07, 61.98it/s] Training Step: 14%| | 14029/100000 [01:42<22:25, 63.88it/s] Training Step: 14%| | 14036/100000 [01:42<23:53, 59.98it/s] Training Step: | 14043/100000 [01:42<23:28, 61.03it/s] 14%| Training Step: 14%| | 14050/100000 [01:42<23:18, 61.47it/s] Training Step: 14%| | 14057/100000 [01:43<22:45, 62.94it/s] Training Step: 14%| | 14064/100000 [01:43<22:59, 62.31it/s] Training Step: | 14071/100000 [01:43<24:00, 59.67it/s] 14%| Training Step: 14%| | 14078/100000 [01:43<24:10, 59.24it/s] Training Step: 14%| | 14084/100000 [01:43<24:36, 58.20it/s] Training Step: 14%| | 14090/100000 [01:43<24:55, 57.44it/s] Training Step: 14%| | 14097/100000 [01:43<23:43, 60.34it/s] Training Step: 14%| | 14104/100000 [01:43<24:11, 59.16it/s] Training Step: 14%| | 14111/100000 [01:43<23:48, 60.15it/s] Training Step: 14%| | 14118/100000 [01:44<24:01, 59.58it/s] | 14125/100000 [01:44<23:29, 60.92it/s] Training Step: 14%| Training Step: 14%| | 14132/100000 [01:44<23:22,

61.23it/s][INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.

```
Training Step:
                              | 14139/100000 [01:44<27:25, 52.18it/s]
                14%|
Training Step:
                              | 14146/100000 [01:44<26:03, 54.91it/s]
                14%|
Training Step:
                14%|
                              | 14154/100000 [01:44<24:32, 58.30it/s]
Training Step:
                14%|
                              | 14161/100000 [01:44<23:31, 60.82it/s]
Training Step:
                14%|
                              | 14168/100000 [01:44<22:54, 62.43it/s]
                              | 14175/100000 [01:45<22:46, 62.79it/s]
Training Step:
                14%|
Training Step:
                14%|
                              | 14182/100000 [01:45<23:02, 62.06it/s]
                              | 14189/100000 [01:45<22:49, 62.64it/s]
Training Step:
                14%|
Training Step:
                              | 14196/100000 [01:45<22:39, 63.10it/s]
                14%|
Training Step:
                14%|
                              | 14203/100000 [01:45<22:28, 63.61it/s]
Training Step:
                14%|
                              | 14210/100000 [01:45<22:29, 63.58it/s]
Training Step:
                14%|
                              | 14217/100000 [01:45<23:16, 61.43it/s]
                              | 14224/100000 [01:45<23:01, 62.07it/s]
Training Step:
                14%|
Training Step:
                14%|
                              | 14231/100000 [01:45<22:29, 63.55it/s]
Training Step:
                14%|
                              | 14238/100000 [01:46<22:28, 63.58it/s]
Training Step:
                14%|
                              | 14245/100000 [01:46<22:21, 63.94it/s]
Training Step:
                14%|
                              | 14252/100000 [01:46<22:00, 64.92it/s]
                              | 14260/100000 [01:46<21:42, 65.84it/s]
Training Step:
                14%|
                              | 14268/100000 [01:46<21:22, 66.83it/s]
Training Step:
                14%|
Training Step:
                14%|
                              | 14276/100000 [01:46<21:26, 66.62it/s]
Training Step:
                              | 14283/100000 [01:46<21:36, 66.10it/s]
                14%|
Training Step:
                14%|
                              | 14290/100000 [01:46<21:33, 66.28it/s]
                              | 14298/100000 [01:46<21:20, 66.91it/s]
Training Step:
                14%|
Training Step:
                14%|
                              | 14305/100000 [01:47<21:46, 65.59it/s]
Training Step:
                14%|
                              | 14312/100000 [01:47<22:53, 62.38it/s]
                              | 14319/100000 [01:47<23:35, 60.52it/s]
Training Step:
                14%|
Training Step:
                14%|
                              | 14326/100000 [01:47<24:38, 57.96it/s]
                              | 14332/100000 [01:47<24:39, 57.89it/s]
Training Step:
                14%|
Training Step:
                14%|
                              | 14338/100000 [01:47<25:06, 56.85it/s]
Training Step:
                14%|
                              | 14344/100000 [01:47<25:35, 55.77it/s]
Training Step:
                14%|
                              | 14350/100000 [01:47<25:39, 55.62it/s]
Training Step:
                              | 14356/100000 [01:47<25:15, 56.52it/s]
                14%|
Training Step:
                14%|
                              | 14362/100000 [01:48<25:16, 56.49it/s]
Training Step:
                14%|
                              | 14368/100000 [01:48<25:02, 57.00it/s]
Training Step:
                14%|
                              | 14374/100000 [01:48<25:39, 55.63it/s]
Training Step:
                              | 14380/100000 [01:48<25:22, 56.23it/s]
                14%|
Training Step:
                14%|
                              | 14386/100000 [01:48<25:45, 55.41it/s]
Training Step:
                14%|
                              | 14392/100000 [01:48<25:35, 55.76it/s]
Training Step:
                14%|
                              | 14398/100000 [01:48<25:02, 56.96it/s]
Training Step:
                14%|
                              | 14404/100000 [01:48<24:56, 57.18it/s]
Training Step:
                14%|
                              | 14410/100000 [01:48<25:22, 56.21it/s]
Training Step:
                14%|
                              | 14416/100000 [01:49<25:28, 56.01it/s]
Training Step:
                14%|
                              | 14422/100000 [01:49<27:15, 52.32it/s]
Training Step:
                14%|
                              | 14428/100000 [01:49<27:21, 52.14it/s]
Training Step:
                14%|
                              | 14434/100000 [01:49<27:08, 52.56it/s]
```

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Training Step: 14%|
                              | 14440/100000 [01:49<27:05,
52.63it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
out_of_road.
                              | 14446/100000 [01:49<31:39, 45.04it/s]
Training Step:
                14%|
Training Step:
                14%|
                              | 14453/100000 [01:49<28:25, 50.17it/s]
Training Step:
                14%|
                              | 14460/100000 [01:49<27:00, 52.78it/s]
Training Step:
                14%|
                              | 14467/100000 [01:50<25:14, 56.49it/s]
                              | 14474/100000 [01:50<24:28, 58.23it/s]
Training Step:
                14%|
Training Step:
                14%|
                              | 14482/100000 [01:50<22:59, 61.97it/s]
Training Step:
                14%|
                              | 14489/100000 [01:50<22:13,
64.15it/s][INFO] Episode ended! Scenario Index: 1009 Reason:
out_of_road.
                              | 14497/100000 [01:50<25:11, 56.57it/s]
Training Step:
                14%|
                15% l
                              | 14504/100000 [01:50<24:19, 58.59it/s]
Training Step:
Training Step:
                15%|
                              | 14511/100000 [01:50<23:23, 60.90it/s]
Training Step:
                15% l
                              | 14518/100000 [01:50<22:51, 62.33it/s]
Training Step:
                              | 14526/100000 [01:50<22:05, 64.51it/s]
                15%|
Training Step:
                15% l
                              | 14534/100000 [01:51<21:27, 66.38it/s]
Training Step:
                15%|
                              | 14541/100000 [01:51<21:10, 67.27it/s]
                              | 14548/100000 [01:51<21:03, 67.66it/s]
Training Step:
                15%|
Training Step:
                15%|
                              | 14556/100000 [01:51<20:44, 68.63it/s]
Training Step:
                              | 14564/100000 [01:51<20:42, 68.74it/s]
                15%|
Training Step:
                15%|
                              | 14571/100000 [01:51<21:00, 67.77it/s]
                              | 14578/100000 [01:51<22:30, 63.25it/s]
Training Step:
                15%|
                              | 14585/100000 [01:51<22:10, 64.21it/s]
Training Step:
                15% l
Training Step:
                15%|
                              | 14592/100000 [01:51<22:20, 63.70it/s]
                              | 14599/100000 [01:52<22:21, 63.68it/s]
Training Step:
                15% l
Training Step:
                15% l
                              | 14606/100000 [01:52<23:03, 61.72it/s]
                              | 14613/100000 [01:52<25:13, 56.43it/s]
Training Step:
                15% l
Training Step:
                15%|
                              | 14619/100000 [01:52<25:00, 56.90it/s]
Training Step:
                15% l
                              | 14626/100000 [01:52<24:22, 58.37it/s]
Training Step:
                15%|
                              | 14633/100000 [01:52<23:34,
60.36it/s][INFO] Episode ended! Scenario Index: 1016 Reason:
out_of_road.
Training Step:
                              | 14640/100000 [01:52<27:04, 52.55it/s]
                15%|
Training Step:
                              | 14648/100000 [01:52<24:27, 58.15it/s]
                15%|
Training Step:
                15%|
                              | 14656/100000 [01:53<23:08, 61.46it/s]
Training Step:
                15%|
                              | 14664/100000 [01:53<22:04, 64.45it/s]
Training Step:
                              | 14672/100000 [01:53<21:06, 67.36it/s]
                15% l
Training Step:
                15%|
                              | 14680/100000 [01:53<20:37, 68.92it/s]
Training Step:
                15% l
                              | 14688/100000 [01:53<20:18, 70.04it/s]
Training Step:
                15% l
                              | 14696/100000 [01:53<20:12, 70.36it/s]
Training Step:
                15% l
                              | 14704/100000 [01:53<20:02, 70.95it/s]
                              | 14712/100000 [01:53<20:02, 70.91it/s]
Training Step:
                15%|
Training Step:
                15% l
                              | 14720/100000 [01:53<20:31, 69.25it/s]
```

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Training Step:
                              | 14727/100000 [01:54<20:41, 68.71it/s]
                15%|
Training Step:
                15%|
                              | 14734/100000 [01:54<20:55, 67.94it/s]
Training Step:
                15% l
                              | 14741/100000 [01:54<21:05, 67.38it/s]
Training Step:
                15%|
                              | 14748/100000 [01:54<21:20, 66.59it/s]
Training Step:
                              | 14755/100000 [01:54<21:43, 65.40it/s]
                15% l
Training Step:
                15%|
                              | 14762/100000 [01:54<22:05, 64.30it/s]
Training Step:
                15%|
                              | 14770/100000 [01:54<21:15, 66.82it/s]
Training Step:
                15%|
                              | 14778/100000 [01:54<20:39, 68.77it/s]
                              | 14786/100000 [01:54<20:36, 68.90it/s]
Training Step:
                15%|
Training Step:
                15%|
                              | 14794/100000 [01:55<20:26, 69.47it/s]
Training Step:
                              | 14801/100000 [01:55<20:37, 68.85it/s]
                15%|
                              | 14808/100000 [01:55<21:31, 65.94it/s]
Training Step:
                15% l
                              | 14816/100000 [01:55<20:52, 68.01it/s]
Training Step:
                15%|
                              | 14824/100000 [01:55<20:52, 67.99it/s]
Training Step:
                15%|
                              | 14831/100000 [01:55<21:37, 65.66it/s]
Training Step:
                15% l
                15% l
                              | 14838/100000 [01:55<21:48, 65.07it/s]
Training Step:
Training Step:
                15%|
                              | 14845/100000 [01:55<21:36, 65.67it/s]
                15% l
                              | 14852/100000 [01:55<21:52, 64.85it/s]
Training Step:
                15%|
                              | 14859/100000 [01:56<23:12,
Training Step:
61.16it/s][INFO] Episode ended! Scenario Index: 1001 Reason:
out_of_road.
Training Step:
                15%|
                              | 14866/100000 [01:56<28:21, 50.03it/s]
Training Step:
                              | 14873/100000 [01:56<26:36, 53.33it/s]
                15%|
Training Step:
                15%|
                              | 14880/100000 [01:56<25:40, 55.25it/s]
Training Step:
                15%|
                              | 14886/100000 [01:56<25:25, 55.80it/s]
Training Step:
                15% l
                              | 14892/100000 [01:56<25:16, 56.14it/s]
Training Step:
                15%|
                              | 14898/100000 [01:56<25:00, 56.71it/s]
                              | 14905/100000 [01:56<24:14, 58.52it/s]
Training Step:
                15% l
Training Step:
                15% l
                              | 14912/100000 [01:57<24:01, 59.04it/s]
                15% l
                              | 14919/100000 [01:57<23:32, 60.23it/s]
Training Step:
Training Step:
                15%|
                              | 14926/100000 [01:57<23:50, 59.48it/s]
Training Step:
                15%|
                              | 14933/100000 [01:57<23:17, 60.85it/s]
Training Step:
                15%|
                              | 14940/100000 [01:57<22:55, 61.83it/s]
                              | 14947/100000 [01:57<23:02, 61.54it/s]
Training Step:
                15%|
Training Step:
                15%|
                              | 14954/100000 [01:57<25:25,
55.74it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
out of road.
Training Step:
                15%|
                              | 14960/100000 [01:57<29:20, 48.31it/s]
Training Step:
                15%|
                              | 14968/100000 [01:58<26:13, 54.02it/s]
Training Step:
                15%|
                              | 14975/100000 [01:58<24:30, 57.82it/s]
Training Step:
                15%|
                              | 14983/100000 [01:58<22:51, 61.98it/s]
Training Step:
                15%|
                              | 14990/100000 [01:58<22:30, 62.94it/s]
Training Step:
                15% l
                              | 14998/100000 [01:58<23:28, 60.36it/s]
Training Step:
                15% l
                              | 15005/100000 [01:58<23:00, 61.57it/s]
Training Step:
                15%|
                              | 15012/100000 [01:58<22:26, 63.14it/s]
Training Step:
                15%|
                              | 15019/100000 [01:58<21:47, 65.01it/s]
```

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Training Step:
                              | 15026/100000 [01:58<21:35, 65.60it/s]
                15% l
Training Step:
                15%|
                              | 15033/100000 [01:59<21:56, 64.55it/s]
Training Step:
                15% l
                              | 15040/100000 [01:59<22:05, 64.10it/s]
Training Step:
                15%|
                              | 15047/100000 [01:59<22:11,
63.79it/s][INFO] Episode ended! Scenario Index: 1010 Reason:
out of road.
Training Step:
                15%|
                              | 15054/100000 [01:59<26:33, 53.29it/s]
                              | 15061/100000 [01:59<25:12, 56.15it/s]
Training Step:
                15%|
Training Step:
                15%|
                              | 15068/100000 [01:59<24:04, 58.79it/s]
                              | 15075/100000 [01:59<23:06, 61.27it/s]
Training Step:
                15%|
                              | 15082/100000 [01:59<23:19, 60.67it/s]
Training Step:
                15%|
                              | 15089/100000 [01:59<23:00, 61.53it/s]
Training Step:
                15%|
                              | 15096/100000 [02:00<22:38, 62.48it/s]
Training Step:
                15%|
Training Step:
                15%|
                              | 15103/100000 [02:00<22:31, 62.82it/s]
                              | 15110/100000 [02:00<22:18, 63.41it/s]
Training Step:
                15% l
Training Step:
                15%|
                              | 15117/100000 [02:00<22:51, 61.90it/s]
                15%|
                              | 15124/100000 [02:00<23:15, 60.80it/s]
Training Step:
Training Step:
                              | 15131/100000 [02:00<23:20, 60.62it/s]
                15%|
Training Step:
                15% l
                              | 15138/100000 [02:00<23:21,
60.53it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
out of road.
Training Step:
                              | 15145/100000 [02:00<26:06, 54.16it/s]
                15%|
Training Step:
                15%|
                              | 15152/100000 [02:01<24:49, 56.98it/s]
                              | 15160/100000 [02:01<23:22, 60.49it/s]
Training Step:
                15%|
Training Step:
                              | 15168/100000 [02:01<22:20, 63.27it/s]
                15% l
Training Step:
                15%|
                              | 15176/100000 [02:01<21:26, 65.96it/s]
                              | 15184/100000 [02:01<20:45, 68.09it/s]
Training Step:
                15%|
Training Step:
                15% l
                              | 15192/100000 [02:01<20:14, 69.82it/s]
                              | 15200/100000 [02:01<20:43, 68.20it/s]
Training Step:
                15% l
Training Step:
                15%|
                              | 15208/100000 [02:01<20:45, 68.08it/s]
Training Step:
                15% l
                              | 15216/100000 [02:01<20:37, 68.52it/s]
Training Step:
                15%|
                              | 15223/100000 [02:02<20:33, 68.73it/s]
                              | 15231/100000 [02:02<20:07, 70.22it/s]
Training Step:
                15%|
                              | 15239/100000 [02:02<20:14, 69.79it/s]
Training Step:
                15%|
                              | 15246/100000 [02:02<20:17, 69.64it/s]
Training Step:
                15%|
Training Step:
                15%|
                              | 15254/100000 [02:02<19:58, 70.70it/s]
Training Step:
                              | 15262/100000 [02:02<20:09, 70.05it/s]
                15%|
Training Step:
                15%|
                              | 15270/100000 [02:02<20:07, 70.18it/s]
Training Step:
                15%|
                              | 15278/100000 [02:02<20:31, 68.77it/s]
Training Step:
                              | 15285/100000 [02:02<20:45, 68.00it/s]
                15%|
Training Step:
                15%|
                              | 15292/100000 [02:03<20:45, 67.99it/s]
                              | 15300/100000 [02:03<20:06, 70.18it/s]
Training Step:
                15%|
Training Step:
                15% l
                              | 15308/100000 [02:03<19:59, 70.62it/s]
Training Step:
                15% l
                              | 15316/100000 [02:03<20:04, 70.33it/s]
Training Step:
                15% l
                              | 15324/100000 [02:03<20:05,
70.22it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
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out_of_road.
```

Training Step:

15% l

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Training Step:
                15%|
                              | 15340/100000 [02:03<22:06, 63.81it/s]
                              | 15348/100000 [02:03<21:11, 66.59it/s]
Training Step:
                15% l
Training Step:
                              | 15356/100000 [02:04<20:47, 67.86it/s]
                15%|
Training Step:
                15%|
                              | 15363/100000 [02:04<21:21, 66.04it/s]
Training Step:
                15%|
                              | 15370/100000 [02:04<21:10, 66.64it/s]
                              | 15377/100000 [02:04<21:12, 66.50it/s]
Training Step:
                15%|
Training Step:
                15%|
                              | 15384/100000 [02:04<21:45, 64.80it/s]
Training Step:
                15%|
                              | 15391/100000 [02:04<22:53, 61.62it/s]
                              | 15398/100000 [02:04<22:47, 61.88it/s]
Training Step:
                15%|
                               15405/100000 [02:04<22:07, 63.74it/s]
Training Step:
                15%|
                              | 15412/100000 [02:04<22:04, 63.88it/s]
Training Step:
                15%|
Training Step:
                15% l
                              | 15419/100000 [02:05<21:30,
65.53it/s][INFO] Episode ended! Scenario Index: 1019 Reason:
out_of_road.
                              | 15426/100000 [02:05<25:51, 54.52it/s]
Training Step:
                15%|
Training Step:
                15% l
                              | 15434/100000 [02:05<24:02, 58.62it/s]
Training Step:
                15%|
                              | 15441/100000 [02:05<22:57, 61.39it/s]
                              | 15448/100000 [02:05<23:04, 61.09it/s]
Training Step:
                15%|
Training Step:
                15%|
                              | 15455/100000 [02:05<22:32, 62.49it/s]
                              | 15462/100000 [02:05<22:27, 62.74it/s]
Training Step:
                15%|
Training Step:
                15%|
                              | 15469/100000 [02:05<21:49, 64.56it/s]
Training Step:
                15%|
                              | 15476/100000 [02:05<21:28, 65.58it/s]
                              | 15484/100000 [02:06<21:01, 67.02it/s]
Training Step:
                15%|
Training Step:
                15%|
                              | 15491/100000 [02:06<21:06, 66.73it/s]
                              | 15498/100000 [02:06<21:03, 66.90it/s]
Training Step:
                15%|
Training Step:
                16%|
                              | 15506/100000 [02:06<20:40, 68.11it/s]
                              | 15514/100000 [02:06<20:35, 68.38it/s]
Training Step:
                16%|
Training Step:
                16%|
                              | 15522/100000 [02:06<20:12, 69.68it/s]
Training Step:
                16%|
                              | 15529/100000 [02:06<20:17, 69.38it/s]
Training Step:
                16%|
                              | 15536/100000 [02:06<20:35, 68.39it/s]
Training Step:
                16%|
                              | 15544/100000 [02:06<20:31, 68.56it/s]
Training Step:
                16%|
                              | 15552/100000 [02:07<20:19, 69.25it/s]
Training Step:
                16%|
                              | 15560/100000 [02:07<20:33, 68.43it/s]
Training Step:
                16% l
                              | 15567/100000 [02:07<20:36, 68.30it/s]
Training Step:
                              | 15574/100000 [02:07<20:48, 67.64it/s]
                16%|
Training Step:
                16%|
                              | 15582/100000 [02:07<20:47,
67.69it/s][INFO] Episode ended! Scenario Index: 1009 Reason:
out_of_road.
                              | 15589/100000 [02:07<23:38, 59.49it/s]
Training Step:
                16%|
Training Step:
                16%|
                              | 15596/100000 [02:07<23:11, 60.68it/s]
Training Step:
                16%|
                              | 15604/100000 [02:07<22:14, 63.25it/s]
                              | 15612/100000 [02:07<21:42, 64.78it/s]
Training Step:
                16%|
Training Step:
                16%|
                              | 15619/100000 [02:08<21:20, 65.90it/s]
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| 15332/100000 [02:03<23:21, 60.39it/s]

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Training Step:
                              | 15626/100000 [02:08<21:45, 64.64it/s]
                16%|
Training Step:
                16%|
                              | 15633/100000 [02:08<22:05, 63.66it/s]
Training Step:
                16%|
                              | 15640/100000 [02:08<22:33, 62.32it/s]
Training Step:
                16%|
                              | 15647/100000 [02:08<22:53,
61.41it/s][INFO] Episode ended! Scenario Index: 1010 Reason:
out_of_road.
Training Step:
                16%|
                              | 15654/100000 [02:08<26:54, 52.23it/s]
                              | 15661/100000 [02:08<25:07, 55.96it/s]
Training Step:
                16%|
Training Step:
                16%|
                              | 15668/100000 [02:08<23:58, 58.63it/s]
Training Step:
                              | 15675/100000 [02:09<23:13, 60.51it/s]
                16%|
                              | 15682/100000 [02:09<22:52, 61.41it/s]
Training Step:
                16%|
                              | 15690/100000 [02:09<22:09, 63.40it/s]
Training Step:
                16%|
                              | 15698/100000 [02:09<21:32, 65.24it/s]
Training Step:
                16%|
Training Step:
                16%|
                              | 15706/100000 [02:09<21:03, 66.71it/s]
                16%|
                              | 15713/100000 [02:09<22:33,
Training Step:
62.27it/s][INFO] Episode ended! Scenario Index: 1012 Reason:
out_of_road.
Training Step:
                16%|
                              | 15720/100000 [02:09<27:53, 50.38it/s]
Training Step:
                16%|
                              | 15726/100000 [02:09<27:08, 51.74it/s]
                              | 15733/100000 [02:10<25:20, 55.41it/s]
Training Step:
                16%|
Training Step:
                16% l
                              | 15740/100000 [02:10<24:41, 56.88it/s]
Training Step:
                              | 15747/100000 [02:10<23:21, 60.12it/s]
                16%|
Training Step:
                16%|
                              | 15754/100000 [02:10<23:01, 61.00it/s]
                              | 15761/100000 [02:10<22:30, 62.37it/s]
Training Step:
                16%|
                16%|
                              | 15768/100000 [02:10<23:23, 60.00it/s]
Training Step:
Training Step:
                16%|
                              | 15775/100000 [02:10<23:06, 60.75it/s]
                              | 15782/100000 [02:10<23:27, 59.84it/s]
Training Step:
                16%|
Training Step:
                16%|
                              | 15789/100000 [02:10<22:54, 61.25it/s]
                              | 15796/100000 [02:11<22:13, 63.12it/s]
Training Step:
                16%|
Training Step:
                16%|
                              | 15803/100000 [02:11<21:40, 64.75it/s]
Training Step:
                16%|
                              | 15810/100000 [02:11<23:46, 59.01it/s]
Training Step:
                16%|
                              | 15817/100000 [02:11<24:55, 56.28it/s]
                              | 15823/100000 [02:11<26:20, 53.27it/s]
Training Step:
                16%|
                              | 15829/100000 [02:11<26:56, 52.07it/s]
Training Step:
                16%|
                              | 15835/100000 [02:11<27:03, 51.84it/s]
Training Step:
                16%|
Training Step:
                16% l
                              | 15841/100000 [02:11<27:08, 51.68it/s]
                              | 15847/100000 [02:12<26:59, 51.96it/s]
Training Step:
                16%|
Training Step:
                16%|
                              | 15853/100000 [02:12<27:09, 51.62it/s]
                16%|
                              | 15859/100000 [02:12<27:21, 51.25it/s]
Training Step:
Training Step:
                              | 15865/100000 [02:12<26:53,
                16%|
52.15it/s][INFO] Episode ended! Scenario Index: 1003 Reason:
out_of_road.
Training Step:
                16%|
                              | 15871/100000 [02:12<31:40, 44.26it/s]
Training Step:
                16%|
                              | 15878/100000 [02:12<28:00, 50.05it/s]
Training Step:
                16%|
                              | 15885/100000 [02:12<25:38, 54.69it/s]
```

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Training Step:
                              | 15892/100000 [02:12<24:14, 57.82it/s]
                16%|
                              | 15899/100000 [02:12<23:11, 60.43it/s]
Training Step:
                16%|
Training Step:
                16%|
                                15906/100000 [02:13<23:00, 60.90it/s]
Training Step:
                16%|
                              | 15913/100000 [02:13<22:19, 62.80it/s]
                              | 15920/100000 [02:13<21:50, 64.17it/s]
Training Step:
                16%|
Training Step:
                16%|
                                15927/100000 [02:13<21:35, 64.91it/s]
Training Step:
                16%|
                              | 15934/100000 [02:13<22:04, 63.45it/s]
Training Step:
                16%|
                              | 15941/100000 [02:13<21:49, 64.21it/s]
                              | 15948/100000 [02:13<21:38, 64.75it/s]
Training Step:
                16%|
Training Step:
                16%|
                                15956/100000 [02:13<20:54, 67.00it/s]
                              | 15964/100000 [02:13<20:44, 67.53it/s]
Training Step:
                16%|
                                15971/100000 [02:14<20:34, 68.07it/s]
Training Step:
                16%|
                                15978/100000 [02:14<20:31, 68.23it/s]
Training Step:
                16%|
                              | 15985/100000 [02:14<20:29, 68.34it/s]
Training Step:
                16%|
                              | 15992/100000 [02:14<21:06, 66.32it/s]
Training Step:
                16%|
                              | 15999/100000 [02:14<21:55, 63.88it/s]
Training Step:
                16%|
Training Step:
                16%|
                                16006/100000 [02:14<23:34, 59.37it/s]
Training Step:
                16%|
                              | 16013/100000 [02:14<23:10, 60.42it/s]
Training Step:
                              | 16020/100000 [02:14<22:55, 61.07it/s]
                16%|
Training Step:
                16%|
                                16027/100000 [02:14<22:20, 62.64it/s]
Training Step:
                16%|
                              | 16034/100000 [02:15<22:38, 61.79it/s]
                              | 16041/100000 [02:15<22:27, 62.31it/s]
Training Step:
                16%|
Training Step:
                16%|
                                16048/100000 [02:15<22:41, 61.67it/s]
Training Step:
                                16055/100000 [02:15<22:30, 62.18it/s]
                16%|
Training Step:
                16%|
                              | 16062/100000 [02:15<22:35, 61.94it/s]
                                16069/100000 [02:15<24:24, 57.33it/s]
Training Step:
                16%|
                                16075/100000 [02:15<25:47, 54.22it/s]
                16%|
Training Step:
                                16081/100000 [02:15<25:37, 54.58it/s]
Training Step:
                16%|
                                16087/100000 [02:16<25:49, 54.15it/s]
Training Step:
                16%|
Training Step:
                16%|
                              | 16093/100000 [02:16<25:30, 54.84it/s]
                                16099/100000 [02:16<25:03, 55.79it/s]
Training Step:
                16%|
Training Step:
                16%|
                              | 16105/100000 [02:16<24:53, 56.19it/s]
Training Step:
                16%|
                              | 16111/100000 [02:16<24:53, 56.15it/s]
Training Step:
                16%|
                                16117/100000 [02:16<26:09, 53.46it/s]
Training Step:
                                16123/100000 [02:16<26:59, 51.79it/s]
                16%|
Training Step:
                16%|
                              | 16129/100000 [02:16<27:48, 50.27it/s]
                              | 16135/100000 [02:16<27:15, 51.28it/s]
Training Step:
                16%|
Training Step:
                16%|
                              | 16141/100000 [02:17<26:04, 53.61it/s]
Training Step:
                              | 16147/100000 [02:17<25:14, 55.38it/s]
                16%|
Training Step:
                16%|
                              | 16154/100000 [02:17<24:36, 56.78it/s]
Training Step:
                16%|
                              | 16162/100000 [02:17<23:08, 60.39it/s]
Training Step:
                16%|
                                16170/100000 [02:17<22:13, 62.85it/s]
Training Step:
                16%|
                              | 16177/100000 [02:17<22:05, 63.25it/s]
                              | 16184/100000 [02:17<22:17, 62.69it/s]
Training Step:
                16%|
Training Step:
                16%|
                              | 16191/100000 [02:17<22:10, 63.00it/s]
Training Step:
                16%|
                              | 16198/100000 [02:17<22:12, 62.87it/s]
Training Step:
                16%|
                              | 16205/100000 [02:18<22:15, 62.76it/s]
Training Step:
                16%|
                              | 16212/100000 [02:18<22:04, 63.27it/s]
```

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Training Step:
                16%|
                              | 16226/100000 [02:18<21:50, 63.92it/s]
                16%|
                              | 16233/100000 [02:18<21:52,
Training Step:
63.84it/s][INFO] Episode ended! Scenario Index: 1016 Reason:
out of road.
                              | 16240/100000 [02:18<26:54, 51.87it/s]
Training Step:
                16%|
Training Step:
                16% l
                              | 16247/100000 [02:18<24:53, 56.07it/s]
                              | 16254/100000 [02:18<24:18, 57.43it/s]
Training Step:
                16%|
Training Step:
                16%|
                              | 16261/100000 [02:18<23:10, 60.22it/s]
                              | 16268/100000 [02:19<22:55, 60.88it/s]
Training Step:
                16%|
                              | 16275/100000 [02:19<22:01, 63.34it/s]
Training Step:
                16%|
                              | 16282/100000 [02:19<21:48, 63.98it/s]
Training Step:
                16%|
                              | 16289/100000 [02:19<21:29, 64.94it/s]
Training Step:
                16%|
                              | 16296/100000 [02:19<22:00, 63.41it/s]
Training Step:
                16%|
                              | 16303/100000 [02:19<24:09, 57.76it/s]
Training Step:
                16%|
Training Step:
                16%|
                              | 16310/100000 [02:19<23:28, 59.40it/s]
Training Step:
                16%|
                              | 16317/100000 [02:19<23:00, 60.61it/s]
Training Step:
                              | 16324/100000 [02:20<22:33, 61.81it/s]
                16%|
Training Step:
                16% l
                              | 16331/100000 [02:20<22:25, 62.18it/s]
Training Step:
                16%|
                              | 16338/100000 [02:20<22:30, 61.95it/s]
                              | 16345/100000 [02:20<21:47, 63.99it/s]
Training Step:
                16%|
Training Step:
                16%|
                              | 16352/100000 [02:20<21:45, 64.06it/s]
Training Step:
                              | 16359/100000 [02:20<21:33, 64.64it/s]
                16%|
Training Step:
                16%|
                              | 16366/100000 [02:20<21:55,
63.57it/s][INFO] Episode ended! Scenario Index: 1009 Reason:
out_of_road.
Training Step:
                              | 16373/100000 [02:20<25:25, 54.81it/s]
                16%|
Training Step:
                16%|
                              | 16380/100000 [02:20<24:18, 57.32it/s]
Training Step:
                16%|
                              | 16388/100000 [02:21<23:01, 60.53it/s]
Training Step:
                16%|
                              | 16395/100000 [02:21<22:32, 61.83it/s]
Training Step:
                16%|
                              | 16402/100000 [02:21<22:19, 62.43it/s]
Training Step:
                16%|
                              | 16410/100000 [02:21<21:44, 64.07it/s]
                              | 16417/100000 [02:21<21:12, 65.68it/s]
Training Step:
                16%|
                              | 16424/100000 [02:21<20:57, 66.46it/s]
Training Step:
                16%|
                              | 16431/100000 [02:21<20:45, 67.08it/s]
Training Step:
                16%|
Training Step:
                16% l
                              | 16438/100000 [02:21<20:44, 67.15it/s]
Training Step:
                              | 16445/100000 [02:21<20:32, 67.78it/s]
                16%|
Training Step:
                16%|
                              | 16452/100000 [02:22<20:49, 66.87it/s]
Training Step:
                16%|
                              | 16460/100000 [02:22<20:09, 69.06it/s]
Training Step:
                16%|
                              | 16468/100000 [02:22<20:00, 69.60it/s]
Training Step:
                16%|
                              | 16475/100000 [02:22<20:03, 69.42it/s]
Training Step:
                16%|
                              | 16482/100000 [02:22<20:15, 68.69it/s]
Training Step:
                16%|
                              | 16490/100000 [02:22<20:09, 69.05it/s]
Training Step:
                16%|
                              | 16497/100000 [02:22<21:06, 65.95it/s]
Training Step:
                17%|
                              | 16504/100000 [02:22<20:50, 66.79it/s]
Training Step:
                17%|
                              | 16512/100000 [02:22<20:15, 68.71it/s]
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| 16219/100000 [02:18<21:32, 64.80it/s]

Training Step:

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Training Step:
                17%|
                              | 16528/100000 [02:23<20:02, 69.40it/s]
Training Step:
                17%|
                              | 16536/100000 [02:23<19:42, 70.58it/s]
Training Step:
                17%|
                              | 16544/100000 [02:23<20:16, 68.61it/s]
Training Step:
                17% l
                              | 16551/100000 [02:23<20:11, 68.90it/s]
Training Step:
                17%|
                              | 16558/100000 [02:23<20:43, 67.12it/s]
Training Step:
                17%|
                              | 16566/100000 [02:23<20:35,
67.51it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
out of road.
                              | 16573/100000 [02:23<24:23, 57.02it/s]
Training Step:
                17%|
                              | 16580/100000 [02:23<23:11, 59.94it/s]
Training Step:
                17%|
                              | 16587/100000 [02:24<22:20, 62.23it/s]
Training Step:
                17%|
                              | 16594/100000 [02:24<21:53, 63.52it/s]
Training Step:
                17%|
Training Step:
                17%|
                              | 16601/100000 [02:24<21:24, 64.95it/s]
                              | 16608/100000 [02:24<21:49, 63.68it/s]
Training Step:
                17%|
Training Step:
                17%|
                              | 16615/100000 [02:24<21:28, 64.72it/s]
Training Step:
                17%|
                              | 16622/100000 [02:24<21:45, 63.87it/s]
Training Step:
                              | 16629/100000 [02:24<22:08, 62.77it/s]
                17%|
Training Step:
                17%|
                              | 16636/100000 [02:24<21:57, 63.28it/s]
Training Step:
                17%|
                              | 16644/100000 [02:24<21:28, 64.70it/s]
                              | 16652/100000 [02:25<21:02, 66.00it/s]
Training Step:
                17%|
Training Step:
                17% l
                              | 16659/100000 [02:25<20:55, 66.37it/s]
Training Step:
                              | 16666/100000 [02:25<20:47, 66.82it/s]
                17%|
Training Step:
                17%|
                              | 16674/100000 [02:25<20:34, 67.49it/s]
Training Step:
                17%|
                              | 16681/100000 [02:25<20:28, 67.81it/s]
                17%|
                              | 16688/100000 [02:25<20:56, 66.30it/s]
Training Step:
Training Step:
                17%|
                              | 16695/100000 [02:25<21:07, 65.73it/s]
                              | 16702/100000 [02:25<21:18, 65.17it/s]
Training Step:
                17%|
Training Step:
                17%|
                              | 16710/100000 [02:25<20:51, 66.56it/s]
                17%|
                              | 16717/100000 [02:26<20:45, 66.88it/s]
Training Step:
Training Step:
                17%|
                              | 16724/100000 [02:26<20:49, 66.63it/s]
Training Step:
                17%|
                              | 16731/100000 [02:26<20:39, 67.19it/s]
Training Step:
                17%|
                              | 16738/100000 [02:26<23:24, 59.30it/s]
                              | 16745/100000 [02:26<24:02, 57.71it/s]
Training Step:
                17%|
Training Step:
                17%|
                              | 16751/100000 [02:26<24:21,
56.97it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
out of road.
Training Step:
                17%|
                              | 16757/100000 [02:26<27:55, 49.69it/s]
Training Step:
                17%|
                              | 16764/100000 [02:26<26:14, 52.86it/s]
Training Step:
                17%|
                              | 16771/100000 [02:26<24:19, 57.03it/s]
Training Step:
                17%|
                              | 16778/100000 [02:27<23:22, 59.33it/s]
Training Step:
                17%|
                              | 16785/100000 [02:27<22:38, 61.24it/s]
Training Step:
                17%|
                              | 16792/100000 [02:27<22:40, 61.14it/s]
Training Step:
                17%|
                              | 16799/100000 [02:27<21:55, 63.23it/s]
Training Step:
                17%|
                              | 16806/100000 [02:27<21:49, 63.52it/s]
Training Step:
                17%|
                              | 16813/100000 [02:27<21:34, 64.26it/s]
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| 16520/100000 [02:22<20:13, 68.79it/s]

Training Step:

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| 16827/100000 [02:27<21:32, 64.34it/s]
Training Step:
                17%|
Training Step:
                17%|
                              | 16834/100000 [02:27<21:24, 64.74it/s]
Training Step:
                17%|
                              | 16842/100000 [02:28<21:05, 65.72it/s]
                              | 16849/100000 [02:28<21:15, 65.21it/s]
Training Step:
                17%|
Training Step:
                17%|
                              | 16856/100000 [02:28<21:06, 65.67it/s]
Training Step:
                17%|
                              | 16864/100000 [02:28<20:50, 66.46it/s]
Training Step:
                17%|
                              | 16871/100000 [02:28<20:48, 66.60it/s]
                              | 16878/100000 [02:28<20:58, 66.07it/s]
Training Step:
                17%|
Training Step:
                17%|
                              | 16886/100000 [02:28<20:31, 67.51it/s]
Training Step:
                              | 16894/100000 [02:28<20:16, 68.29it/s]
                17%|
                              | 16902/100000 [02:28<19:34, 70.75it/s]
Training Step:
                17%|
                              | 16910/100000 [02:29<19:34, 70.76it/s]
Training Step:
                17%|
                              | 16918/100000 [02:29<19:43, 70.20it/s]
Training Step:
                17%|
Training Step:
                17%|
                              | 16926/100000 [02:29<19:52, 69.65it/s]
                              | 16933/100000 [02:29<20:14, 68.38it/s]
Training Step:
                17%|
Training Step:
                17%|
                              | 16941/100000 [02:29<19:58, 69.33it/s]
Training Step:
                17%|
                              | 16948/100000 [02:29<20:08, 68.75it/s]
Training Step:
                              | 16956/100000 [02:29<19:53, 69.57it/s]
                17%|
Training Step:
                17%|
                              | 16964/100000 [02:29<19:31, 70.90it/s]
Training Step:
                17%|
                              | 16972/100000 [02:29<19:18, 71.65it/s]
                              | 16980/100000 [02:30<19:34, 70.66it/s]
Training Step:
                17%|
Training Step:
                17% l
                              | 16988/100000 [02:30<19:43, 70.13it/s]
Training Step:
                              | 16996/100000 [02:30<19:55, 69.41it/s]
                17%|
Training Step:
                17%|
                              | 17003/100000 [02:30<19:53,
69.57it/s][INFO] Episode ended! Scenario Index: 1012 Reason:
out_of_road.
Training Step:
                              | 17010/100000 [02:30<23:47, 58.13it/s]
                17%|
Training Step:
                17%|
                              | 17017/100000 [02:30<22:41, 60.95it/s]
Training Step:
                17%|
                              | 17024/100000 [02:30<22:22, 61.79it/s]
Training Step:
                17%|
                              | 17032/100000 [02:30<21:21, 64.76it/s]
Training Step:
                17%|
                              | 17040/100000 [02:30<20:36, 67.11it/s]
Training Step:
                17%|
                              | 17048/100000 [02:31<20:22, 67.83it/s]
Training Step:
                              | 17055/100000 [02:31<20:24, 67.75it/s]
                17%|
Training Step:
                17%|
                              | 17062/100000 [02:31<20:33, 67.25it/s]
Training Step:
                17%|
                              | 17069/100000 [02:31<20:56, 65.98it/s]
Training Step:
                17%|
                              | 17076/100000 [02:31<21:20, 64.75it/s]
Training Step:
                              | 17083/100000 [02:31<21:20, 64.77it/s]
                17%|
Training Step:
                17%|
                              | 17090/100000 [02:31<22:19, 61.90it/s]
Training Step:
                17%|
                              | 17097/100000 [02:31<22:08, 62.42it/s]
Training Step:
                17%|
                              | 17104/100000 [02:32<22:05, 62.54it/s]
Training Step:
                17%|
                              | 17111/100000 [02:32<21:40, 63.72it/s]
                              | 17118/100000 [02:32<22:30, 61.36it/s]
Training Step:
                17%|
Training Step:
                17%|
                              | 17125/100000 [02:32<22:34, 61.17it/s]
Training Step:
                17%|
                              | 17132/100000 [02:32<22:49, 60.51it/s]
Training Step:
                17%|
                              | 17139/100000 [02:32<22:27, 61.50it/s]
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| 16820/100000 [02:27<21:27, 64.61it/s]

Training Step:

Training Step:

17%|

17%|

| 17146/100000 [02:32<22:56, 60.20it/s]

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Training Step:
                17%|
                              | 17153/100000 [02:32<22:42, 60.79it/s]
                              | 17160/100000 [02:32<22:44, 60.73it/s]
Training Step:
                17%|
Training Step:
                17%|
                              | 17167/100000 [02:33<22:39, 60.93it/s]
Training Step:
                17%|
                              | 17174/100000 [02:33<22:43, 60.75it/s]
                              | 17181/100000 [02:33<22:38, 60.95it/s]
Training Step:
                17%|
Training Step:
                17%|
                              | 17188/100000 [02:33<23:28, 58.78it/s]
Training Step:
                17%|
                              | 17194/100000 [02:33<23:21, 59.10it/s]
Training Step:
                17%|
                              | 17201/100000 [02:33<22:50, 60.43it/s]
                              | 17208/100000 [02:33<23:12, 59.46it/s]
Training Step:
                17%|
Training Step:
                17%|
                              | 17215/100000 [02:33<22:51, 60.36it/s]
                              | 17222/100000 [02:33<23:16, 59.27it/s]
Training Step:
                17%|
                              | 17229/100000 [02:34<22:33, 61.16it/s]
Training Step:
                17%|
                              | 17236/100000 [02:34<22:12, 62.11it/s]
Training Step:
                17%|
                              | 17243/100000 [02:34<21:55, 62.90it/s]
Training Step:
                17%|
                              | 17250/100000 [02:34<21:19, 64.70it/s]
Training Step:
                17%|
                              | 17257/100000 [02:34<21:21, 64.55it/s]
Training Step:
                17%|
Training Step:
                17%|
                              | 17264/100000 [02:34<21:48, 63.21it/s]
Training Step:
                17%|
                              | 17271/100000 [02:34<21:18, 64.73it/s]
Training Step:
                              | 17278/100000 [02:34<21:24, 64.40it/s]
                17%|
Training Step:
                17%|
                              | 17285/100000 [02:34<21:04, 65.42it/s]
Training Step:
                17%|
                              | 17292/100000 [02:35<20:51, 66.06it/s]
                              | 17300/100000 [02:35<20:46, 66.34it/s]
Training Step:
                17%|
Training Step:
                17%|
                              | 17308/100000 [02:35<20:26, 67.40it/s]
Training Step:
                              | 17316/100000 [02:35<20:04, 68.62it/s]
                17%|
Training Step:
                17%|
                              | 17324/100000 [02:35<19:58, 68.96it/s]
                              | 17332/100000 [02:35<19:56, 69.09it/s]
Training Step:
                17%|
                17%|
                              | 17339/100000 [02:35<19:55, 69.15it/s]
Training Step:
Training Step:
                17%|
                              | 17346/100000 [02:35<20:14, 68.07it/s]
                              | 17354/100000 [02:35<20:09, 68.35it/s]
Training Step:
                17%|
Training Step:
                17%|
                              | 17362/100000 [02:36<19:48, 69.51it/s]
                17%|
                              | 17370/100000 [02:36<19:42, 69.90it/s]
Training Step:
Training Step:
                17%|
                              | 17377/100000 [02:36<19:54, 69.16it/s]
Training Step:
                17%|
                              | 17384/100000 [02:36<20:10, 68.24it/s]
Training Step:
                17%|
                              | 17392/100000 [02:36<19:46, 69.60it/s]
                              | 17399/100000 [02:36<19:48, 69.52it/s]
Training Step:
                17%|
Training Step:
                17%|
                              | 17406/100000 [02:36<20:36, 66.78it/s]
Training Step:
                17%|
                              | 17413/100000 [02:36<20:24, 67.46it/s]
Training Step:
                17%|
                              | 17420/100000 [02:36<20:39, 66.63it/s]
Training Step:
                              | 17427/100000 [02:37<20:35, 66.83it/s]
                17%|
Training Step:
                17%|
                              | 17435/100000 [02:37<20:06, 68.45it/s]
Training Step:
                17%|
                              | 17442/100000 [02:37<20:13, 68.02it/s]
Training Step:
                17%|
                              | 17450/100000 [02:37<19:55, 69.08it/s]
Training Step:
                17%|
                              | 17458/100000 [02:37<19:39, 69.99it/s]
Training Step:
                17%|
                              | 17466/100000 [02:37<19:22, 71.01it/s]
Training Step:
                17%|
                              | 17474/100000 [02:37<19:29, 70.56it/s]
Training Step:
                17%|
                              | 17482/100000 [02:37<20:56, 65.68it/s]
Training Step:
                17%|
                              | 17490/100000 [02:37<20:38, 66.65it/s]
Training Step:
                17%|
                              | 17498/100000 [02:38<20:20, 67.59it/s]
```

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Training Step:
                              | 17506/100000 [02:38<20:03, 68.52it/s]
                18%|
Training Step:
                18%|
                              | 17514/100000 [02:38<19:36, 70.10it/s]
Training Step:
                18%|
                              | 17522/100000 [02:38<19:33, 70.31it/s]
Training Step:
                18%|
                              | 17530/100000 [02:38<19:33, 70.27it/s]
                              | 17538/100000 [02:38<19:30, 70.43it/s]
Training Step:
                18% l
Training Step:
                18%|
                              | 17546/100000 [02:38<19:28, 70.54it/s]
Training Step:
                18%|
                              | 17554/100000 [02:38<19:30, 70.43it/s]
Training Step:
                18% l
                              | 17562/100000 [02:38<19:46, 69.47it/s]
                              | 17570/100000 [02:39<19:45, 69.53it/s]
Training Step:
                18%|
Training Step:
                18% l
                              | 17578/100000 [02:39<19:42,
69.72it/s][INFO] Episode ended! Scenario Index: 1016 Reason:
out_of_road.
                              | 17586/100000 [02:39<22:26, 61.20it/s]
Training Step:
                18%|
                              | 17594/100000 [02:39<21:34, 63.64it/s]
Training Step:
                18%|
                18%|
                              | 17601/100000 [02:39<21:09, 64.93it/s]
Training Step:
Training Step:
                18%|
                              | 17608/100000 [02:39<20:54, 65.66it/s]
Training Step:
                18%|
                              | 17616/100000 [02:39<20:16, 67.73it/s]
Training Step:
                              | 17623/100000 [02:39<20:05, 68.35it/s]
                18%|
Training Step:
                18% l
                              | 17630/100000 [02:39<20:20, 67.48it/s]
Training Step:
                18%|
                              | 17637/100000 [02:40<20:07, 68.20it/s]
                              | 17644/100000 [02:40<21:00, 65.33it/s]
Training Step:
                18%|
Training Step:
                18% l
                              | 17651/100000 [02:40<21:10, 64.82it/s]
Training Step:
                              | 17658/100000 [02:40<21:34, 63.59it/s]
                18%|
Training Step:
                18%|
                              | 17665/100000 [02:40<21:23, 64.13it/s]
                              | 17672/100000 [02:40<21:40, 63.29it/s]
Training Step:
                18%|
                18%|
                              | 17679/100000 [02:40<21:52, 62.71it/s]
Training Step:
Training Step:
                18%|
                              | 17686/100000 [02:40<22:22, 61.34it/s]
                              | 17693/100000 [02:40<22:00, 62.34it/s]
Training Step:
                18%|
Training Step:
                18%|
                              | 17700/100000 [02:41<22:27, 61.08it/s]
                18%|
                              | 17707/100000 [02:41<22:54, 59.88it/s]
Training Step:
Training Step:
                18%|
                              | 17714/100000 [02:41<23:24, 58.57it/s]
Training Step:
                18%|
                              | 17720/100000 [02:41<23:15, 58.94it/s]
Training Step:
                18%|
                              | 17727/100000 [02:41<22:23, 61.23it/s]
                              | 17734/100000 [02:41<22:35, 60.71it/s]
Training Step:
                18%|
Training Step:
                18%|
                              | 17741/100000 [02:41<22:40, 60.47it/s]
                              | 17748/100000 [02:41<23:13, 59.04it/s]
Training Step:
                18%|
Training Step:
                18% l
                              | 17755/100000 [02:42<22:37, 60.57it/s]
                              | 17762/100000 [02:42<22:21, 61.28it/s]
Training Step:
                18%|
Training Step:
                18%|
                              | 17769/100000 [02:42<21:52, 62.66it/s]
                18%|
                              | 17776/100000 [02:42<21:39, 63.29it/s]
Training Step:
                18%|
                              | 17783/100000 [02:42<21:28, 63.81it/s]
Training Step:
Training Step:
                18%|
                              | 17790/100000 [02:42<21:14, 64.49it/s]
                              | 17798/100000 [02:42<20:17, 67.54it/s]
Training Step:
                18%|
Training Step:
                18%|
                              | 17805/100000 [02:42<20:08, 68.00it/s]
Training Step:
                18%|
                              | 17812/100000 [02:42<20:11, 67.86it/s]
                              | 17820/100000 [02:42<20:01, 68.41it/s]
Training Step:
                18%|
Training Step:
                18%|
                              | 17828/100000 [02:43<19:28, 70.35it/s]
```

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Training Step:
                              | 17836/100000 [02:43<19:28, 70.29it/s]
Training Step:
                18%|
                              | 17844/100000 [02:43<20:23, 67.15it/s]
Training Step:
                18%|
                              | 17851/100000 [02:43<20:13, 67.72it/s]
Training Step:
                18%|
                              | 17858/100000 [02:43<20:23, 67.13it/s]
                              | 17865/100000 [02:43<20:24, 67.09it/s]
Training Step:
                18% l
Training Step:
                18%|
                              | 17872/100000 [02:43<20:45, 65.95it/s]
Training Step:
                18%|
                              | 17879/100000 [02:43<20:24, 67.09it/s]
Training Step:
                18% l
                              | 17887/100000 [02:43<19:46, 69.21it/s]
                              | 17894/100000 [02:44<19:59, 68.45it/s]
Training Step:
                18%|
Training Step:
                18%|
                              | 17902/100000 [02:44<19:36, 69.77it/s]
                              | 17910/100000 [02:44<19:23, 70.53it/s]
Training Step:
                18%|
                              | 17918/100000 [02:44<19:15, 71.05it/s]
Training Step:
                18%|
                              | 17926/100000 [02:44<19:00, 71.97it/s]
Training Step:
                18%|
                              | 17934/100000 [02:44<21:17, 64.25it/s]
Training Step:
                18%|
                              | 17941/100000 [02:44<21:01, 65.06it/s]
Training Step:
                18%|
                              | 17948/100000 [02:44<20:55, 65.33it/s]
Training Step:
                18%|
Training Step:
                18%|
                              | 17955/100000 [02:44<20:35, 66.43it/s]
Training Step:
                18%|
                              | 17962/100000 [02:45<20:33, 66.50it/s]
Training Step:
                              | 17970/100000 [02:45<19:59, 68.38it/s]
                18%|
Training Step:
                18% l
                              | 17978/100000 [02:45<19:53, 68.75it/s]
Training Step:
                18%|
                              | 17985/100000 [02:45<20:21, 67.13it/s]
                              | 17992/100000 [02:45<20:20, 67.18it/s]
Training Step:
                18%|
Training Step:
                18%|
                              | 18000/100000 [02:45<21:17, 64.19it/s]
Training Step:
                              | 18008/100000 [02:45<20:48, 65.66it/s]
                18%|
Training Step:
                18%|
                              | 18016/100000 [02:45<20:08,
67.81it/s][INFO] Episode ended! Scenario Index: 1013 Reason:
out_of_road.
                              | 18024/100000 [02:46<23:26, 58.27it/s]
Training Step:
                18%|
Training Step:
                18%|
                              | 18032/100000 [02:46<22:32, 60.60it/s]
Training Step:
                18%|
                              | 18040/100000 [02:46<21:21, 63.98it/s]
Training Step:
                18%|
                              | 18047/100000 [02:46<20:50, 65.53it/s]
Training Step:
                18%|
                              | 18054/100000 [02:46<21:10, 64.48it/s]
Training Step:
                18%|
                              | 18062/100000 [02:46<20:51, 65.49it/s]
                              | 18069/100000 [02:46<21:01, 64.95it/s]
Training Step:
                18%|
Training Step:
                18%|
                              | 18076/100000 [02:46<21:39, 63.06it/s]
                              | 18083/100000 [02:46<21:49, 62.57it/s]
Training Step:
                18%|
Training Step:
                18% l
                              | 18090/100000 [02:47<21:52, 62.39it/s]
Training Step:
                              | 18097/100000 [02:47<21:48, 62.58it/s]
                18%|
Training Step:
                18%|
                              | 18104/100000 [02:47<21:56, 62.23it/s]
Training Step:
                18%|
                              | 18111/100000 [02:47<21:36, 63.15it/s]
Training Step:
                18%|
                              | 18118/100000 [02:47<22:33, 60.52it/s]
Training Step:
                18%|
                              | 18125/100000 [02:47<22:20, 61.10it/s]
Training Step:
                18%|
                              | 18132/100000 [02:47<22:38, 60.24it/s]
Training Step:
                18%|
                              | 18139/100000 [02:47<22:13, 61.38it/s]
Training Step:
                18%|
                              | 18146/100000 [02:48<22:15, 61.29it/s]
Training Step:
                18%|
                              | 18153/100000 [02:48<21:48, 62.54it/s]
Training Step:
                18%|
                              | 18160/100000 [02:48<21:45, 62.69it/s]
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| 18174/100000 [02:48<21:48, 62.55it/s]
Training Step:
Training Step:
                18%|
                              | 18181/100000 [02:48<21:41, 62.87it/s]
Training Step:
                18%|
                              | 18188/100000 [02:48<21:43, 62.76it/s]
Training Step:
                              | 18195/100000 [02:48<21:44, 62.73it/s]
                18% l
Training Step:
                18%|
                              | 18202/100000 [02:48<21:45, 62.66it/s]
Training Step:
                18%|
                              | 18209/100000 [02:48<21:22, 63.78it/s]
Training Step:
                18%|
                              | 18216/100000 [02:49<21:40, 62.88it/s]
                              | 18223/100000 [02:49<21:07, 64.51it/s]
Training Step:
                18%|
Training Step:
                18%|
                              | 18230/100000 [02:49<21:30, 63.38it/s]
Training Step:
                              | 18237/100000 [02:49<21:23, 63.70it/s]
                18%|
                              | 18244/100000 [02:49<21:26, 63.53it/s]
Training Step:
                18%|
                              | 18251/100000 [02:49<23:37, 57.66it/s]
Training Step:
                18%|
Training Step:
                18%|
                              | 18258/100000 [02:49<23:25,
58.16it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
out_of_road.
Training Step:
                18%|
                              | 18264/100000 [02:49<26:26, 51.53it/s]
Training Step:
                18%|
                              | 18272/100000 [02:50<24:15, 56.15it/s]
Training Step:
                18% l
                              | 18279/100000 [02:50<23:13, 58.64it/s]
Training Step:
                              | 18286/100000 [02:50<22:29, 60.57it/s]
                18%|
                              | 18294/100000 [02:50<21:21, 63.74it/s]
Training Step:
                18%|
Training Step:
                18% l
                              | 18302/100000 [02:50<21:03, 64.65it/s]
Training Step:
                              | 18310/100000 [02:50<20:19, 66.97it/s]
                18%|
Training Step:
                18%|
                              | 18317/100000 [02:50<20:11, 67.43it/s]
                              | 18324/100000 [02:50<20:31, 66.30it/s]
Training Step:
                18%|
Training Step:
                18%|
                              | 18332/100000 [02:50<20:04, 67.78it/s]
Training Step:
                18%|
                              | 18340/100000 [02:51<19:42, 69.03it/s]
                              | 18347/100000 [02:51<19:39, 69.22it/s]
Training Step:
                18%|
Training Step:
                18%|
                              | 18354/100000 [02:51<20:13, 67.28it/s]
                18%|
                              | 18362/100000 [02:51<19:45, 68.86it/s]
Training Step:
Training Step:
                18%|
                              | 18370/100000 [02:51<19:42, 69.01it/s]
Training Step:
                18%|
                              | 18377/100000 [02:51<19:45, 68.83it/s]
Training Step:
                18%|
                              | 18384/100000 [02:51<20:19, 66.90it/s]
                              | 18392/100000 [02:51<19:58, 68.10it/s]
Training Step:
                18%|
Training Step:
                18%|
                              | 18400/100000 [02:51<19:44, 68.89it/s]
Training Step:
                18%|
                              | 18408/100000 [02:52<19:35, 69.43it/s]
Training Step:
                18% l
                              | 18416/100000 [02:52<19:15, 70.60it/s]
                              | 18424/100000 [02:52<19:23,
Training Step:
                18%|
70.09it/s][INFO] Episode ended! Scenario Index: 1009 Reason:
out_of_road.
Training Step:
                18%|
                              | 18432/100000 [02:52<24:51, 54.70it/s]
                              | 18440/100000 [02:52<23:27, 57.96it/s]
Training Step:
                18%|
Training Step:
                18%|
                              | 18447/100000 [02:52<22:42, 59.83it/s]
Training Step:
                18%|
                              | 18454/100000 [02:52<22:29, 60.41it/s]
Training Step:
                18%|
                              | 18461/100000 [02:52<21:53, 62.08it/s]
Training Step:
                18%|
                              | 18468/100000 [02:53<21:30, 63.18it/s]
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| 18167/100000 [02:48<21:42, 62.80it/s]

Training Step:

18%|

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Training Step:
                              | 18475/100000 [02:53<21:20, 63.65it/s]
                18%|
Training Step:
                18%|
                              | 18482/100000 [02:53<21:17, 63.82it/s]
Training Step:
                18%|
                              | 18489/100000 [02:53<21:07, 64.29it/s]
Training Step:
                18%|
                              | 18496/100000 [02:53<21:18, 63.74it/s]
                              | 18503/100000 [02:53<22:21, 60.74it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 18510/100000 [02:53<23:30, 57.78it/s]
Training Step:
                19%|
                              | 18516/100000 [02:53<24:07, 56.31it/s]
Training Step:
                19%|
                              | 18522/100000 [02:53<24:30, 55.39it/s]
                              | 18528/100000 [02:54<24:59, 54.34it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 18534/100000 [02:54<25:17, 53.70it/s]
Training Step:
                              | 18540/100000 [02:54<25:06, 54.08it/s]
                19%|
                              | 18546/100000 [02:54<25:02, 54.22it/s]
Training Step:
                19%|
                              | 18552/100000 [02:54<25:19, 53.60it/s]
Training Step:
                19%|
                              | 18558/100000 [02:54<25:54, 52.39it/s]
Training Step:
                19%|
                              | 18564/100000 [02:54<26:18, 51.58it/s]
Training Step:
                19%|
                              | 18570/100000 [02:54<26:15, 51.70it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 18576/100000 [02:55<25:54, 52.38it/s]
Training Step:
                19%|
                              | 18582/100000 [02:55<26:24, 51.38it/s]
Training Step:
                19%|
                              | 18588/100000 [02:55<26:41, 50.83it/s]
Training Step:
                19%|
                              | 18594/100000 [02:55<26:00, 52.17it/s]
Training Step:
                19%|
                              | 18600/100000 [02:55<25:16, 53.66it/s]
                              | 18606/100000 [02:55<24:40, 54.96it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 18612/100000 [02:55<25:12, 53.80it/s]
Training Step:
                              | 18618/100000 [02:55<25:10, 53.88it/s]
                19%|
Training Step:
                19%|
                              | 18624/100000 [02:55<24:48, 54.67it/s]
Training Step:
                19%|
                              | 18630/100000 [02:56<24:52, 54.51it/s]
                19%|
                              | 18636/100000 [02:56<25:03, 54.12it/s]
Training Step:
Training Step:
                19%|
                              | 18642/100000 [02:56<26:04, 52.01it/s]
                              | 18648/100000 [02:56<26:43, 50.74it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 18654/100000 [02:56<26:30, 51.15it/s]
                19%|
                              | 18660/100000 [02:56<26:04, 51.99it/s]
Training Step:
Training Step:
                19%|
                              | 18666/100000 [02:56<26:18, 51.51it/s]
Training Step:
                19%|
                              | 18672/100000 [02:56<27:08, 49.95it/s]
Training Step:
                19%|
                              | 18678/100000 [02:56<27:09,
49.90it/s][INFO] Episode ended! Scenario Index: 1003 Reason:
out_of_road.
Training Step:
                              | 18684/100000 [02:57<32:21, 41.88it/s]
                19%|
Training Step:
                              | 18691/100000 [02:57<28:32, 47.49it/s]
                19%|
Training Step:
                19%|
                              | 18698/100000 [02:57<25:56, 52.24it/s]
Training Step:
                19%|
                              | 18705/100000 [02:57<23:54, 56.69it/s]
Training Step:
                19%|
                              | 18712/100000 [02:57<22:46, 59.50it/s]
Training Step:
                19%|
                              | 18719/100000 [02:57<22:04, 61.38it/s]
                              | 18726/100000 [02:57<22:13, 60.97it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 18733/100000 [02:57<21:27, 63.11it/s]
Training Step:
                19%|
                              | 18740/100000 [02:58<21:20, 63.44it/s]
Training Step:
                19%|
                              | 18747/100000 [02:58<20:51, 64.92it/s]
Training Step:
                19%|
                              | 18754/100000 [02:58<21:06, 64.17it/s]
```

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Training Step:
                              | 18761/100000 [02:58<21:09, 64.01it/s]
                19%|
                              | 18768/100000 [02:58<21:32, 62.86it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 18775/100000 [02:58<21:17, 63.60it/s]
Training Step:
                19%|
                              | 18782/100000 [02:58<21:02, 64.35it/s]
                              | 18790/100000 [02:58<20:38, 65.58it/s]
Training Step:
                19%|
Training Step:
                19%|
                                18797/100000 [02:58<20:28, 66.08it/s]
Training Step:
                19%|
                              | 18804/100000 [02:59<20:51, 64.88it/s]
                19%|
Training Step:
                              | 18811/100000 [02:59<20:57, 64.58it/s]
                              | 18818/100000 [02:59<21:09, 63.94it/s]
Training Step:
                19%|
Training Step:
                19%|
                                18825/100000 [02:59<21:03, 64.24it/s]
                              | 18832/100000 [02:59<21:29, 62.94it/s]
Training Step:
                19%|
                              | 18839/100000 [02:59<21:00, 64.36it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 18846/100000 [02:59<21:08, 63.97it/s]
                              | 18853/100000 [02:59<20:49, 64.93it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 18860/100000 [02:59<21:46, 62.12it/s]
                              | 18867/100000 [03:00<21:21, 63.30it/s]
Training Step:
                19%|
Training Step:
                19%|
                                18874/100000 [03:00<22:00, 61.42it/s]
Training Step:
                19%|
                              | 18881/100000 [03:00<23:09, 58.40it/s]
Training Step:
                19%|
                              | 18887/100000 [03:00<23:55, 56.50it/s]
Training Step:
                19%|
                                18893/100000 [03:00<24:28, 55.22it/s]
                              | 18899/100000 [03:00<24:48, 54.47it/s]
Training Step:
                19%|
                              | 18905/100000 [03:00<25:17, 53.42it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 18911/100000 [03:00<25:32, 52.92it/s]
Training Step:
                              | 18917/100000 [03:00<25:26, 53.11it/s]
                19%|
Training Step:
                19%|
                              | 18923/100000 [03:01<25:26, 53.10it/s]
                              | 18929/100000 [03:01<25:34, 52.82it/s]
Training Step:
                19%|
                19%|
                              | 18935/100000 [03:01<26:32, 50.89it/s]
Training Step:
Training Step:
                19%|
                              | 18941/100000 [03:01<27:02, 49.97it/s]
                              | 18947/100000 [03:01<27:21, 49.37it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 18952/100000 [03:01<27:24, 49.28it/s]
                19%|
                                18957/100000 [03:01<27:27, 49.21it/s]
Training Step:
Training Step:
                19%|
                              | 18963/100000 [03:01<27:01, 49.99it/s]
Training Step:
                19%|
                              | 18969/100000 [03:01<26:43, 50.53it/s]
Training Step:
                19%|
                                18975/100000 [03:02<26:36, 50.76it/s]
                                18981/100000 [03:02<26:22, 51.19it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 18987/100000 [03:02<26:38, 50.69it/s]
Training Step:
                19%|
                              | 18993/100000 [03:02<26:32, 50.86it/s]
Training Step:
                19%|
                              | 18999/100000 [03:02<26:50, 50.29it/s]
Training Step:
                              | 19005/100000 [03:02<26:33, 50.82it/s]
                19%|
Training Step:
                19%|
                              | 19011/100000 [03:02<26:45, 50.45it/s]
Training Step:
                19%|
                              | 19017/100000 [03:02<26:29, 50.95it/s]
Training Step:
                19%|
                                19023/100000 [03:03<25:45, 52.39it/s]
Training Step:
                19%|
                              | 19029/100000 [03:03<25:25, 53.07it/s]
Training Step:
                19%|
                              | 19035/100000 [03:03<25:48, 52.27it/s]
Training Step:
                19%|
                                19041/100000 [03:03<25:45, 52.38it/s]
Training Step:
                19%|
                              | 19047/100000 [03:03<26:16, 51.36it/s]
Training Step:
                19%|
                              | 19053/100000 [03:03<26:29, 50.93it/s]
Training Step:
                19%|
                              | 19059/100000 [03:03<26:20, 51.21it/s]
```

```
Training Step:
                              | 19065/100000 [03:03<26:03, 51.77it/s]
                19%|
Training Step:
                19%|
                              | 19071/100000 [03:03<25:55, 52.02it/s]
Training Step:
                19%|
                                19077/100000 [03:04<26:17, 51.29it/s]
Training Step:
                19%|
                              | 19083/100000 [03:04<26:25, 51.03it/s]
Training Step:
                              | 19089/100000 [03:04<26:16, 51.33it/s]
                19%|
Training Step:
                19%|
                                19095/100000 [03:04<26:15, 51.34it/s]
Training Step:
                19%|
                              | 19101/100000 [03:04<27:17, 49.42it/s]
Training Step:
                19%|
                              | 19106/100000 [03:04<27:37, 48.81it/s]
                              | 19112/100000 [03:04<27:07, 49.69it/s]
Training Step:
                19%|
Training Step:
                19%|
                                19118/100000 [03:04<27:07, 49.69it/s]
                              | 19124/100000 [03:05<27:16, 49.41it/s]
Training Step:
                19%|
                              | 19130/100000 [03:05<27:14, 49.46it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 19136/100000 [03:05<27:32, 48.95it/s]
                              | 19142/100000 [03:05<27:20, 49.30it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 19148/100000 [03:05<26:49, 50.24it/s]
                              | 19154/100000 [03:05<26:42, 50.45it/s]
Training Step:
                19%|
Training Step:
                19%|
                                19160/100000 [03:05<26:52, 50.13it/s]
Training Step:
                19%|
                              | 19166/100000 [03:05<26:45, 50.35it/s]
Training Step:
                19%|
                              | 19172/100000 [03:05<26:16, 51.26it/s]
Training Step:
                19%|
                              | 19178/100000 [03:06<25:59, 51.81it/s]
                              | 19184/100000 [03:06<25:32, 52.74it/s]
Training Step:
                19%|
                              | 19190/100000 [03:06<25:21, 53.13it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 19196/100000 [03:06<25:17, 53.26it/s]
Training Step:
                              | 19202/100000 [03:06<25:18, 53.21it/s]
                19%|
Training Step:
                19%|
                              | 19208/100000 [03:06<25:35, 52.62it/s]
                              | 19214/100000 [03:06<27:08, 49.62it/s]
Training Step:
                19%|
                              | 19220/100000 [03:06<26:27, 50.87it/s]
                19%|
Training Step:
Training Step:
                19%|
                              | 19226/100000 [03:07<25:55, 51.92it/s]
                              | 19232/100000 [03:07<25:04, 53.67it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 19238/100000 [03:07<24:28, 55.00it/s]
                19%|
                              | 19244/100000 [03:07<23:53, 56.32it/s]
Training Step:
Training Step:
                19%|
                              | 19250/100000 [03:07<23:59, 56.09it/s]
Training Step:
                19%|
                              | 19256/100000 [03:07<23:55, 56.24it/s]
Training Step:
                19%|
                              | 19263/100000 [03:07<23:11, 58.01it/s]
Training Step:
                              | 19269/100000 [03:07<23:17, 57.76it/s]
                19%|
                              | 19275/100000 [03:07<23:18, 57.74it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 19281/100000 [03:07<23:42, 56.76it/s]
Training Step:
                19%|
                              | 19287/100000 [03:08<23:21, 57.58it/s]
Training Step:
                              | 19293/100000 [03:08<23:27, 57.34it/s]
                19%|
Training Step:
                19%|
                              | 19300/100000 [03:08<23:04, 58.29it/s]
Training Step:
                19%|
                              | 19307/100000 [03:08<22:27, 59.90it/s]
Training Step:
                19%|
                              | 19313/100000 [03:08<22:39, 59.34it/s]
Training Step:
                19%|
                              | 19320/100000 [03:08<22:36, 59.50it/s]
                              | 19326/100000 [03:08<22:35, 59.54it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 19332/100000 [03:08<22:36, 59.48it/s]
Training Step:
                19%|
                              | 19338/100000 [03:08<22:39, 59.35it/s]
Training Step:
                19%|
                              | 19345/100000 [03:09<22:20, 60.19it/s]
Training Step:
                19%|
                              | 19352/100000 [03:09<22:33, 59.58it/s]
```

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Training Step:
                              | 19358/100000 [03:09<22:39, 59.33it/s]
                19%|
                              | 19364/100000 [03:09<22:38, 59.35it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 19370/100000 [03:09<22:38, 59.35it/s]
Training Step:
                19%|
                              | 19377/100000 [03:09<22:12, 60.51it/s]
Training Step:
                              | 19384/100000 [03:09<22:42, 59.16it/s]
                19%|
Training Step:
                19%|
                              | 19390/100000 [03:09<23:07, 58.10it/s]
Training Step:
                19%|
                              | 19396/100000 [03:09<23:06, 58.15it/s]
Training Step:
                19%|
                              | 19403/100000 [03:10<22:27, 59.81it/s]
                              | 19409/100000 [03:10<22:52, 58.70it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 19415/100000 [03:10<23:24, 57.37it/s]
Training Step:
                              | 19421/100000 [03:10<23:19, 57.59it/s]
                19%|
                              | 19428/100000 [03:10<23:09, 57.99it/s]
Training Step:
                19%|
                              | 19435/100000 [03:10<22:48, 58.88it/s]
Training Step:
                19%|
                              | 19441/100000 [03:10<22:52, 58.70it/s]
Training Step:
                19%|
                              | 19447/100000 [03:10<23:22, 57.45it/s]
Training Step:
                19%|
                              | 19454/100000 [03:10<23:18, 57.58it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 19461/100000 [03:11<22:51, 58.73it/s]
Training Step:
                19%|
                              | 19467/100000 [03:11<22:44, 59.03it/s]
Training Step:
                19%|
                              | 19473/100000 [03:11<22:55, 58.56it/s]
Training Step:
                19%|
                              | 19479/100000 [03:11<23:32, 57.02it/s]
Training Step:
                19%|
                              | 19485/100000 [03:11<23:11, 57.86it/s]
                              | 19491/100000 [03:11<23:12, 57.81it/s]
Training Step:
                19%|
Training Step:
                19%|
                              | 19497/100000 [03:11<23:05, 58.11it/s]
Training Step:
                20%|
                              | 19503/100000 [03:11<24:00,
55.90it/s][INFO] Episode ended! Scenario Index: 1007 Reason:
out_of_road.
```

Training Step: 20%| | 19509/100000 [03:11<28:02, 47.84it/s] | 19514/100000 [03:12<28:25, 47.19it/s] Training Step: 20% Training Step: 20%1 | 19521/100000 [03:12<25:38, 52.32it/s] Training Step: 20%1 | 19528/100000 [03:12<24:30, 54.72it/s] Training Step: 20%| | 19534/100000 [03:12<24:08, 55.54it/s] Training Step: 20%1 | 19540/100000 [03:12<23:52, 56.16it/s] Training Step: 20%| | 19547/100000 [03:12<22:58, 58.38it/s] | 19554/100000 [03:12<22:18, 60.10it/s] Training Step: 20%| | 19561/100000 [03:12<21:44, 61.66it/s] Training Step: 20%| | 19568/100000 [03:12<21:50, 61.35it/s] Training Step: 20%| Training Step: 20%1 | 19575/100000 [03:13<21:24, 62.63it/s] Training Step: | 19582/100000 [03:13<21:19, 62.85it/s] 20%| Training Step: 20%| | 19589/100000 [03:13<21:00, 63.78it/s] Training Step: 20%| | 19596/100000 [03:13<21:39, 61.87it/s] Training Step: 20%1 | 19603/100000 [03:13<20:53, 64.11it/s] Training Step: 20%| | 19610/100000 [03:13<20:52, 64.20it/s] | 19617/100000 [03:13<20:27, 65.47it/s] Training Step: 20% | 19624/100000 [03:13<20:27, 65.46it/s] Training Step: 20%| Training Step: 20%| | 19631/100000 [03:13<20:14, 66.19it/s] Training Step: 20%1 | 19638/100000 [03:13<20:45, 64.52it/s] Training Step: 20%1 | 19645/100000 [03:14<20:45, 64.53it/s]

```
Training Step:
                              | 19652/100000 [03:14<21:23, 62.61it/s]
                20%
                              | 19659/100000 [03:14<21:12, 63.15it/s]
Training Step:
                20%1
Training Step:
                20%1
                               19666/100000 [03:14<21:14, 63.01it/s]
Training Step:
                20%|
                              | 19673/100000 [03:14<20:54, 64.03it/s]
                              | 19680/100000 [03:14<21:46, 61.48it/s]
Training Step:
                20%1
Training Step:
                20%|
                                19687/100000 [03:14<21:19, 62.75it/s]
Training Step:
                20%|
                              | 19694/100000 [03:14<21:17, 62.84it/s]
Training Step:
                20%|
                              | 19701/100000 [03:15<21:06, 63.42it/s]
                              | 19708/100000 [03:15<21:15, 62.97it/s]
Training Step:
                20%|
Training Step:
                20%|
                              | 19715/100000 [03:15<20:50, 64.21it/s]
                              | 19722/100000 [03:15<20:46, 64.39it/s]
Training Step:
                20%1
                              | 19730/100000 [03:15<20:20, 65.76it/s]
Training Step:
                20%
                              | 19738/100000 [03:15<19:59, 66.93it/s]
Training Step:
                20%1
                              | 19745/100000 [03:15<19:44, 67.78it/s]
Training Step:
                20%
                              | 19752/100000 [03:15<19:56, 67.08it/s]
Training Step:
                20%1
                              | 19760/100000 [03:15<19:52, 67.31it/s]
Training Step:
                20%
Training Step:
                20%1
                               19767/100000 [03:15<19:42, 67.87it/s]
Training Step:
                20%1
                              | 19775/100000 [03:16<19:13, 69.54it/s]
Training Step:
                              | 19783/100000 [03:16<19:05, 70.05it/s]
                20%|
Training Step:
                20%1
                                19791/100000 [03:16<19:07, 69.93it/s]
Training Step:
                20%|
                              | 19798/100000 [03:16<19:12, 69.58it/s]
                              | 19805/100000 [03:16<21:11, 63.08it/s]
Training Step:
                20%|
Training Step:
                20%|
                              | 19812/100000 [03:16<21:11, 63.08it/s]
Training Step:
                              | 19819/100000 [03:16<20:54, 63.92it/s]
                20%|
Training Step:
                20%|
                              | 19826/100000 [03:16<21:07, 63.25it/s]
                              | 19833/100000 [03:16<20:38, 64.72it/s]
Training Step:
                20%1
                20%1
                              | 19840/100000 [03:17<20:34, 64.91it/s]
Training Step:
                              | 19848/100000 [03:17<20:02, 66.66it/s]
Training Step:
                20%1
                              | 19856/100000 [03:17<20:01, 66.69it/s]
Training Step:
                20%
Training Step:
                20%1
                              | 19864/100000 [03:17<19:34, 68.23it/s]
                20%1
                                19872/100000 [03:17<19:26, 68.68it/s]
Training Step:
Training Step:
                20%1
                              | 19880/100000 [03:17<19:14, 69.38it/s]
Training Step:
                20%1
                              | 19888/100000 [03:17<19:09, 69.71it/s]
Training Step:
                20%|
                              | 19896/100000 [03:17<19:14, 69.39it/s]
                               19904/100000 [03:18<18:58, 70.36it/s]
Training Step:
                20%|
                              | 19912/100000 [03:18<18:50, 70.87it/s]
Training Step:
                20%|
                              | 19920/100000 [03:18<18:44, 71.23it/s]
Training Step:
                20%|
Training Step:
                20%1
                              | 19928/100000 [03:18<18:49, 70.91it/s]
Training Step:
                              | 19936/100000 [03:18<18:52, 70.69it/s]
                20%|
Training Step:
                20%|
                              | 19944/100000 [03:18<18:55, 70.53it/s]
Training Step:
                20%|
                              | 19952/100000 [03:18<18:50, 70.80it/s]
Training Step:
                20%1
                               19960/100000 [03:18<19:00, 70.18it/s]
Training Step:
                20%1
                              | 19968/100000 [03:18<20:25, 65.28it/s]
                              | 19976/100000 [03:19<20:03, 66.51it/s]
Training Step:
                20%
Training Step:
                20%1
                                19983/100000 [03:19<19:50, 67.22it/s]
Training Step:
                20%
                              | 19990/100000 [03:19<19:37, 67.94it/s]
Training Step:
                20%|
                              | 19998/100000 [03:19<19:28, 68.44it/s]
Training Step:
                20%1
                              | 20005/100000 [03:19<20:13, 65.95it/s]
```

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Training Step:
                20%1
                               20026/100000 [03:19<20:07, 66.20it/s]
Training Step:
                20%|
                              | 20034/100000 [03:19<19:39, 67.82it/s]
                              | 20042/100000 [03:20<19:35, 67.99it/s]
Training Step:
                20%1
Training Step:
                20%|
                               20050/100000 [03:20<19:30, 68.29it/s]
Training Step:
                20%|
                              | 20058/100000 [03:20<19:27, 68.50it/s]
                              | 20066/100000 [03:20<19:07, 69.64it/s]
Training Step:
                20%|
                              | 20074/100000 [03:20<19:01, 69.99it/s]
Training Step:
                20%|
Training Step:
                20%|
                              | 20082/100000 [03:20<20:07, 66.19it/s]
Training Step:
                              | 20089/100000 [03:20<20:39, 64.47it/s]
                20%|
                              | 20096/100000 [03:20<20:47, 64.07it/s]
Training Step:
                20%
                               20103/100000 [03:20<20:33, 64.79it/s]
Training Step:
                20%|
                               20110/100000 [03:21<21:19, 62.45it/s]
Training Step:
                20%
                               20117/100000 [03:21<20:51, 63.84it/s]
Training Step:
                20%1
                              | 20124/100000 [03:21<20:58, 63.48it/s]
Training Step:
                20%
Training Step:
                20%1
                               20131/100000 [03:21<20:37, 64.55it/s]
Training Step:
                20%1
                              | 20138/100000 [03:21<20:39, 64.45it/s]
Training Step:
                              | 20145/100000 [03:21<20:13, 65.83it/s]
                20%|
Training Step:
                20%1
                              | 20152/100000 [03:21<19:58, 66.64it/s]
Training Step:
                20%|
                              | 20159/100000 [03:21<19:47, 67.22it/s]
                              | 20166/100000 [03:21<20:41, 64.29it/s]
Training Step:
                20%|
Training Step:
                20%|
                              | 20174/100000 [03:22<20:02, 66.41it/s]
Training Step:
                              | 20182/100000 [03:22<19:47, 67.21it/s]
                20%|
Training Step:
                20%|
                              | 20190/100000 [03:22<19:31, 68.11it/s]
                              | 20197/100000 [03:22<20:01, 66.43it/s]
Training Step:
                20%|
                20%1
                              | 20204/100000 [03:22<20:45, 64.05it/s]
Training Step:
Training Step:
                20%1
                              | 20211/100000 [03:22<20:59, 63.36it/s]
                              | 20218/100000 [03:22<21:41, 61.28it/s]
Training Step:
                20%
Training Step:
                20%1
                              | 20225/100000 [03:22<21:57, 60.55it/s]
                20%1
                              | 20232/100000 [03:22<22:43, 58.52it/s]
Training Step:
Training Step:
                20%|
                              | 20238/100000 [03:23<22:47, 58.32it/s]
Training Step:
                20%|
                              | 20244/100000 [03:23<22:41, 58.59it/s]
Training Step:
                20%|
                               20251/100000 [03:23<22:17, 59.64it/s]
Training Step:
                20%|
                              20257/100000 [03:23<22:59,
57.82it/s][INFO] Episode ended! Scenario Index: 1019 Reason:
out of road.
Training Step:
                              | 20263/100000 [03:23<27:59, 47.48it/s]
                20%|
Training Step:
                20%|
                              | 20270/100000 [03:23<25:26, 52.23it/s]
Training Step:
                20%|
                              | 20276/100000 [03:23<25:21, 52.40it/s]
Training Step:
                20%1
                               20284/100000 [03:23<23:13, 57.21it/s]
Training Step:
                20%|
                              | 20292/100000 [03:24<22:04, 60.20it/s]
                              | 20299/100000 [03:24<22:43, 58.46it/s]
Training Step:
                20%
                              | 20305/100000 [03:24<22:47, 58.26it/s]
Training Step:
                20%|
Training Step:
                20%
                              | 20311/100000 [03:24<22:50, 58.16it/s]
Training Step:
                20%|
                              | 20318/100000 [03:24<22:41, 58.52it/s]
Training Step:
                20%1
                              | 20324/100000 [03:24<23:05, 57.51it/s]
```

| 20012/100000 [03:19<19:59, 66.70it/s]

| 20019/100000 [03:19<19:52, 67.06it/s]

Training Step:

Training Step:

20%1

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| 20336/100000 [03:24<22:57, 57.82it/s]
Training Step:
                20%|
Training Step:
                20%1
                              | 20342/100000 [03:24<22:55, 57.93it/s]
Training Step:
                20%|
                              | 20348/100000 [03:25<23:03, 57.58it/s]
Training Step:
                              | 20354/100000 [03:25<23:23, 56.75it/s]
                20%1
Training Step:
                20%|
                               20360/100000 [03:25<23:44, 55.92it/s]
Training Step:
                20%|
                              20366/100000 [03:25<23:34, 56.28it/s]
Training Step:
                20%1
                              | 20372/100000 [03:25<23:43, 55.93it/s]
                              | 20378/100000 [03:25<24:21, 54.47it/s]
Training Step:
                20%|
Training Step:
                20%|
                              | 20384/100000 [03:25<24:23, 54.40it/s]
Training Step:
                              | 20390/100000 [03:25<24:52, 53.32it/s]
                20%1
                              | 20396/100000 [03:25<25:13, 52.60it/s]
Training Step:
                20%
                               20402/100000 [03:26<25:44, 51.53it/s]
Training Step:
                20%1
                               20408/100000 [03:26<26:10, 50.67it/s]
Training Step:
                20%
                               20414/100000 [03:26<26:48, 49.47it/s]
Training Step:
                20%1
                              | 20419/100000 [03:26<27:05, 48.97it/s]
Training Step:
                20%
Training Step:
                20%1
                              | 20424/100000 [03:26<28:14, 46.97it/s]
Training Step:
                20%1
                              | 20429/100000 [03:26<27:58, 47.40it/s]
Training Step:
                20%|
                              | 20434/100000 [03:26<27:56, 47.46it/s]
Training Step:
                20%1
                              | 20439/100000 [03:26<27:45, 47.77it/s]
                              | 20444/100000 [03:26<27:56, 47.46it/s]
Training Step:
                20%|
                              | 20449/100000 [03:27<28:06, 47.17it/s]
Training Step:
                20%|
Training Step:
                20%|
                              | 20454/100000 [03:27<28:25, 46.65it/s]
Training Step:
                              | 20459/100000 [03:27<27:59, 47.37it/s]
                20%|
Training Step:
                20%|
                              | 20464/100000 [03:27<29:12, 45.39it/s]
                              | 20469/100000 [03:27<30:08, 43.98it/s]
Training Step:
                20%1
                20%1
                              | 20474/100000 [03:27<30:52, 42.93it/s]
Training Step:
Training Step:
                20%1
                              | 20479/100000 [03:27<30:54, 42.87it/s]
                                20484/100000 [03:27<31:44, 41.76it/s]
Training Step:
                20%
Training Step:
                20%1
                              | 20489/100000 [03:28<31:50,
41.63it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
out_of_road.
Training Step:
                              | 20494/100000 [03:28<37:08, 35.67it/s]
                20%|
Training Step:
                              | 20501/100000 [03:28<30:44, 43.10it/s]
                21%|
                              | 20508/100000 [03:28<27:36, 47.99it/s]
Training Step:
                21%|
Training Step:
                21%|
                              | 20514/100000 [03:28<25:57, 51.04it/s]
Training Step:
                21%|
                              | 20520/100000 [03:28<27:06, 48.87it/s]
Training Step:
                              | 20526/100000 [03:28<28:22, 46.68it/s]
                21%|
Training Step:
                21%|
                              | 20531/100000 [03:28<29:12, 45.36it/s]
Training Step:
                21%|
                              | 20536/100000 [03:29<28:58, 45.71it/s]
Training Step:
                21%|
                               20541/100000 [03:29<28:18, 46.77it/s]
Training Step:
                21%|
                              | 20546/100000 [03:29<28:10, 47.01it/s]
                              | 20552/100000 [03:29<27:36, 47.96it/s]
Training Step:
                21%|
Training Step:
                21%|
                              | 20557/100000 [03:29<27:44, 47.73it/s]
```

| 20330/100000 [03:24<23:07, 57.41it/s]

Training Step:

Training Step:

Training Step:

Training Step:

21%|

21%|

21%|

20%1

| 20563/100000 [03:29<26:32, 49.89it/s]

| 20569/100000 [03:29<26:18, 50.32it/s]

| 20575/100000 [03:29<26:04, 50.75it/s]

```
51.45it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
out_of_road.
                             | 20587/100000 [03:30<29:39, 44.62it/s]
Training Step:
                21%|
Training Step:
                21%|
                             | 20594/100000 [03:30<26:49, 49.33it/s]
Training Step:
                21%|
                             20601/100000 [03:30<24:29, 54.02it/s]
Training Step:
                21%|
                             | 20607/100000 [03:30<24:36, 53.78it/s]
                             | 20613/100000 [03:30<24:56, 53.05it/s]
Training Step:
                21%|
Training Step:
                21%|
                             | 20619/100000 [03:30<25:18, 52.27it/s]
                             | 20625/100000 [03:30<26:06, 50.68it/s]
Training Step:
                21%|
                             | 20631/100000 [03:30<26:24, 50.10it/s]
Training Step:
                21%|
                             | 20637/100000 [03:31<26:41, 49.57it/s]
Training Step:
                21%|
Training Step:
                21%|
                             | 20642/100000 [03:31<27:08,
48.73it/s][INFO] Episode ended! Scenario Index: 1007 Reason:
out_of_road.
Training Step:
                21%|
                             | 20647/100000 [03:31<30:45, 42.99it/s]
Training Step:
                21%|
                             | 20654/100000 [03:31<26:58, 49.01it/s]
Training Step:
                21%|
                             | 20662/100000 [03:31<24:06, 54.85it/s]
Training Step:
                21%|
                             | 20669/100000 [03:31<22:29, 58.80it/s]
                             | 20676/100000 [03:31<21:53, 60.38it/s]
Training Step:
                21%|
Training Step:
                21%|
                             | 20683/100000 [03:31<21:26, 61.67it/s]
Training Step:
                             | 20690/100000 [03:31<21:03, 62.78it/s]
                21%|
Training Step:
                21%|
                             | 20697/100000 [03:32<20:27, 64.60it/s]
                              | 20704/100000 [03:32<20:12,
Training Step:
                21%|
65.39it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
out_of_road.
Training Step:
                21%|
                             | 20711/100000 [03:32<24:04, 54.89it/s]
Training Step:
                             20718/100000 [03:32<22:44, 58.12it/s]
                21%|
Training Step:
                21%|
                             | 20726/100000 [03:32<21:26, 61.60it/s]
Training Step:
                21%|
                             | 20733/100000 [03:32<22:27, 58.83it/s]
Training Step:
                21%|
                             | 20740/100000 [03:32<23:10, 57.00it/s]
                             | 20746/100000 [03:32<23:30, 56.19it/s]
Training Step:
                21%|
                             | 20752/100000 [03:33<23:49, 55.44it/s]
Training Step:
                21%|
Training Step:
                21%|
                             | 20758/100000 [03:33<24:10, 54.62it/s]
Training Step:
                21%|
                             | 20764/100000 [03:33<24:26, 54.04it/s]
                             | 20770/100000 [03:33<25:10,
Training Step:
                21%|
52.46it/s][INFO] Episode ended! Scenario Index: 1007 Reason:
out_of_road.
Training Step:
                21%|
                             | 20776/100000 [03:33<29:23, 44.93it/s]
                             20784/100000 [03:33<25:35, 51.58it/s]
Training Step:
                21%|
Training Step:
                21%|
                             | 20792/100000 [03:33<23:17, 56.67it/s]
Training Step:
                21%|
                             | 20799/100000 [03:33<22:05, 59.77it/s]
Training Step:
                21%|
                             | 20806/100000 [03:34<23:10, 56.95it/s]
Training Step:
                21%|
                             | 20812/100000 [03:34<24:19, 54.26it/s]
```

| 20581/100000 [03:29<25:43,

Training Step: 21%

```
Training Step:
                              | 20818/100000 [03:34<25:00, 52.75it/s]
                21%|
Training Step:
                21%|
                              | 20824/100000 [03:34<25:33, 51.63it/s]
Training Step:
                21%|
                              | 20830/100000 [03:34<25:53,
50.96it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
out of road.
                              | 20836/100000 [03:34<29:22, 44.92it/s]
Training Step:
                21%|
Training Step:
                21%|
                              20843/100000 [03:34<26:03, 50.64it/s]
                              | 20850/100000 [03:34<24:03, 54.84it/s]
Training Step:
                21%|
Training Step:
                21%|
                              | 20857/100000 [03:34<22:28, 58.67it/s]
                              | 20864/100000 [03:35<21:45, 60.60it/s]
Training Step:
                21%|
                              | 20871/100000 [03:35<21:23, 61.66it/s]
Training Step:
                21%|
                              | 20878/100000 [03:35<21:17, 61.92it/s]
Training Step:
                21%|
                              | 20885/100000 [03:35<21:44, 60.63it/s]
Training Step:
                21%|
                              | 20892/100000 [03:35<21:36, 61.02it/s]
Training Step:
                21%|
                              | 20899/100000 [03:35<21:54, 60.15it/s]
Training Step:
                21%|
Training Step:
                21%|
                              | 20906/100000 [03:35<22:45, 57.90it/s]
Training Step:
                21%|
                              | 20912/100000 [03:35<22:33, 58.44it/s]
Training Step:
                21%|
                              | 20919/100000 [03:35<22:05, 59.65it/s]
Training Step:
                21%|
                              | 20926/100000 [03:36<22:37, 58.27it/s]
                              | 20932/100000 [03:36<22:33, 58.43it/s]
Training Step:
                21%|
                              | 20939/100000 [03:36<22:05, 59.63it/s]
Training Step:
                21%|
Training Step:
                21%|
                              | 20946/100000 [03:36<21:57, 60.00it/s]
Training Step:
                              | 20953/100000 [03:36<21:44, 60.59it/s]
                21%|
Training Step:
                21%|
                              | 20960/100000 [03:36<22:15, 59.18it/s]
                              | 20967/100000 [03:36<21:40, 60.78it/s]
Training Step:
                21%|
Training Step:
                              | 20974/100000 [03:36<21:52, 60.19it/s]
                21%|
Training Step:
                21%|
                              | 20981/100000 [03:37<21:48, 60.40it/s]
                              | 20988/100000 [03:37<22:06, 59.57it/s]
Training Step:
                21%|
Training Step:
                21%|
                              | 20995/100000 [03:37<21:27, 61.34it/s]
                              | 21002/100000 [03:37<21:40, 60.73it/s]
Training Step:
                21%|
                              | 21009/100000 [03:37<23:04, 57.05it/s]
Training Step:
                21%|
Training Step:
                21%|
                              | 21015/100000 [03:37<22:53, 57.52it/s]
Training Step:
                21%|
                              | 21022/100000 [03:37<22:29, 58.51it/s]
                              | 21028/100000 [03:37<22:27, 58.59it/s]
Training Step:
                21%|
                              | 21035/100000 [03:37<21:45, 60.48it/s]
Training Step:
                21%|
                              | 21042/100000 [03:38<21:14, 61.93it/s]
Training Step:
                21%|
Training Step:
                21%|
                              | 21049/100000 [03:38<21:45, 60.46it/s]
Training Step:
                              | 21056/100000 [03:38<22:59, 57.24it/s]
                21%|
Training Step:
                21%|
                              | 21062/100000 [03:38<23:33,
55.84it/s][INFO] Episode ended! Scenario Index: 1013 Reason:
out_of_road.
                              | 21068/100000 [03:38<29:05, 45.21it/s]
Training Step:
                21%|
                              | 21076/100000 [03:38<25:43, 51.13it/s]
Training Step:
                21%|
Training Step:
                21%|
                              | 21083/100000 [03:38<23:47, 55.27it/s]
                              | 21090/100000 [03:38<22:37, 58.14it/s]
Training Step:
                21%|
Training Step:
                21%|
                              | 21097/100000 [03:39<22:32, 58.34it/s]
```

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Training Step:
                21%|
                              | 21110/100000 [03:39<22:31, 58.36it/s]
Training Step:
                21%|
                              | 21117/100000 [03:39<22:05, 59.50it/s]
Training Step:
                21%|
                              | 21124/100000 [03:39<22:12, 59.21it/s]
Training Step:
                21%|
                              | 21130/100000 [03:39<22:32,
58.32it/s][INFO] Episode ended! Scenario Index: 1006 Reason:
out of road.
Training Step:
                              | 21136/100000 [03:39<27:22, 48.02it/s]
                21%|
Training Step:
                21%|
                              | 21143/100000 [03:39<24:55, 52.72it/s]
                              | 21149/100000 [03:40<24:08, 54.43it/s]
Training Step:
                21%|
                              | 21156/100000 [03:40<22:43, 57.81it/s]
Training Step:
                21%|
                              | 21162/100000 [03:40<23:56, 54.88it/s]
Training Step:
                21%|
                              21168/100000 [03:40<24:40, 53.25it/s]
Training Step:
                21%|
Training Step:
                21%|
                              | 21174/100000 [03:40<25:04,
52.40it/s][INFO] Episode ended! Scenario Index: 1018 Reason:
out_of_road.
Training Step:
                              | 21180/100000 [03:40<29:35, 44.38it/s]
                21%|
Training Step:
                21%|
                              | 21187/100000 [03:40<26:40, 49.23it/s]
Training Step:
                21%|
                              21194/100000 [03:40<24:25, 53.79it/s]
                              | 21201/100000 [03:40<23:13, 56.53it/s]
Training Step:
                21%|
Training Step:
                21%|
                             | 21207/100000 [03:41<24:18, 54.01it/s]
Training Step:
                              | 21213/100000 [03:41<24:59, 52.55it/s]
                21%|
Training Step:
                21%|
                              | 21219/100000 [03:41<25:09, 52.19it/s]
                              | 21225/100000 [03:41<25:05, 52.33it/s]
Training Step:
                21%|
Training Step:
                21%|
                              | 21231/100000 [03:41<27:12,
48.26it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
out_of_road.
Training Step:
                21%|
                              | 21236/100000 [03:41<31:51, 41.21it/s]
Training Step:
                21%|
                             | 21243/100000 [03:41<28:05, 46.74it/s]
Training Step:
                21%|
                             | 21250/100000 [03:42<25:27, 51.57it/s]
Training Step:
                21%|
                             | 21256/100000 [03:42<24:36, 53.32it/s]
Training Step:
                             | 21262/100000 [03:42<24:34, 53.38it/s]
                21%|
                             | 21268/100000 [03:42<25:18, 51.85it/s]
Training Step:
                21%|
Training Step:
                21%|
                             | 21274/100000 [03:42<24:55,
52.63it/s][INFO] Episode ended! Scenario Index: 1006 Reason:
out_of_road.
Training Step:
                             | 21280/100000 [03:42<29:12, 44.92it/s]
                21%|
Training Step:
                21%|
                             | 21287/100000 [03:42<25:55, 50.60it/s]
Training Step:
                21%|
                             | 21293/100000 [03:42<24:55, 52.61it/s]
                             | 21299/100000 [03:42<25:18, 51.85it/s]
Training Step:
                21%|
Training Step:
                21%|
                             | 21305/100000 [03:43<25:46, 50.88it/s]
Training Step:
                21%|
                             | 21311/100000 [03:43<25:42, 51.01it/s]
                             | 21317/100000 [03:43<25:55, 50.58it/s]
Training Step:
                21%|
Training Step:
                21%|
                             | 21323/100000 [03:43<25:53, 50.66it/s]
```

| 21104/100000 [03:39<22:35, 58.19it/s]

Training Step:

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Training Step:
                             | 21329/100000 [03:43<28:47, 45.54it/s]
                21%|
                             | 21334/100000 [03:43<28:33, 45.90it/s]
Training Step:
                21%|
Training Step:
                21%|
                             | 21340/100000 [03:43<27:50,
47.08it/s][INFO] Episode ended! Scenario Index: 1003 Reason:
out of road.
Training Step:
                21%|
                             21345/100000 [03:44<32:59, 39.74it/s]
Training Step:
                21%|
                             21352/100000 [03:44<29:06, 45.04it/s]
Training Step:
                             | 21357/100000 [03:44<28:21, 46.22it/s]
                21%|
                             | 21364/100000 [03:44<25:44, 50.92it/s]
Training Step:
                21%|
                             | 21370/100000 [03:44<26:20, 49.74it/s]
Training Step:
                21%|
Training Step:
                             | 21376/100000 [03:44<26:24, 49.63it/s]
                21%|
Training Step:
                             | 21382/100000 [03:44<27:13, 48.13it/s]
                21%|
Training Step:
                             21387/100000 [03:44<27:26, 47.75it/s]
                21%|
                             | 21392/100000 [03:44<27:47, 47.14it/s]
Training Step:
                21%|
Training Step:
                             | 21398/100000 [03:45<27:12, 48.16it/s]
                21%|
Training Step:
                21%|
                             | 21404/100000 [03:45<27:05, 48.35it/s]
Training Step:
                21%|
                             | 21409/100000 [03:45<26:59,
48.52it/s][INFO] Episode ended! Scenario Index: 1003 Reason:
out of road.
Training Step:
                             | 21414/100000 [03:45<31:27, 41.64it/s]
                21%|
Training Step:
                21%|
                             21421/100000 [03:45<27:33, 47.53it/s]
Training Step:
                21%|
                             | 21428/100000 [03:45<25:00, 52.36it/s]
                             | 21434/100000 [03:45<24:23, 53.68it/s]
Training Step:
                21%|
                             | 21440/100000 [03:45<24:01, 54.51it/s]
Training Step:
                21%|
                             | 21447/100000 [03:45<22:52, 57.21it/s]
Training Step:
                21%|
                             | 21454/100000 [03:46<22:33, 58.03it/s]
Training Step:
                21%|
                             21461/100000 [03:46<22:03, 59.35it/s]
Training Step:
                21%|
Training Step:
                21%|
                             | 21467/100000 [03:46<22:02, 59.36it/s]
Training Step:
                21%|
                             | 21474/100000 [03:46<21:52, 59.83it/s]
Training Step:
                21%|
                             | 21481/100000 [03:46<21:24, 61.13it/s]
Training Step:
                21%|
                             | 21488/100000 [03:46<21:48, 59.98it/s]
Training Step:
                21%|
                             21495/100000 [03:46<22:44, 57.53it/s]
Training Step:
                             | 21501/100000 [03:46<23:15, 56.25it/s]
                22%|
                             | 21507/100000 [03:47<23:31, 55.62it/s]
Training Step:
                22%|
Training Step:
                             21513/100000 [03:47<23:45, 55.07it/s]
                22%|
Training Step:
                22%1
                             21519/100000 [03:47<23:48, 54.92it/s]
Training Step:
                             | 21525/100000 [03:47<23:51, 54.81it/s]
                22%|
                             | 21531/100000 [03:47<23:57, 54.58it/s]
Training Step:
                22%|
Training Step:
                22%|
                             | 21537/100000 [03:47<23:44, 55.09it/s]
Training Step:
                22%|
                             21543/100000 [03:47<23:52, 54.78it/s]
Training Step:
                22%|
                             | 21549/100000 [03:47<23:57, 54.56it/s]
                             21555/100000 [03:47<24:05, 54.26it/s]
Training Step:
                22%
                             | 21561/100000 [03:48<23:51, 54.79it/s]
Training Step:
                22%|
Training Step:
                22%|
                             | 21567/100000 [03:48<23:45, 55.02it/s]
                             | 21573/100000 [03:48<23:21, 55.95it/s]
Training Step:
                22%|
```

| 21580/100000 [03:48<23:06, 56.57it/s]

Training Step:

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| 21592/100000 [03:48<22:51, 57.17it/s]
Training Step:
                22%|
Training Step:
                22%|
                             | 21598/100000 [03:48<23:18, 56.06it/s]
Training Step:
                22%|
                             | 21604/100000 [03:48<22:55, 57.01it/s]
Training Step:
                             21610/100000 [03:48<23:40, 55.18it/s]
                22%1
Training Step:
                22%|
                             21616/100000 [03:48<24:00, 54.43it/s]
                             | 21622/100000 [03:49<26:17, 49.67it/s]
Training Step:
                22%|
                             21628/100000 [03:49<28:04, 46.54it/s]
Training Step:
                22%|
Training Step:
                22%|
                             21633/100000 [03:49<28:26, 45.93it/s]
                             | 21638/100000 [03:49<29:18, 44.57it/s]
Training Step:
                22%|
                22%|
                             | 21643/100000 [03:49<29:34, 44.16it/s]
Training Step:
Training Step:
                22%|
                             | 21648/100000 [03:49<30:33, 42.74it/s]
                22%|
                             | 21653/100000 [03:49<30:36, 42.65it/s]
Training Step:
                             | 21658/100000 [03:50<30:49,
Training Step:
                22%
42.36it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
out_of_road.
Training Step:
                22%|
                             | 21663/100000 [03:50<34:09, 38.22it/s]
Training Step:
                22%|
                             | 21670/100000 [03:50<28:49, 45.28it/s]
                             | 21678/100000 [03:50<24:39, 52.93it/s]
Training Step:
                22%1
                             | 21685/100000 [03:50<22:52, 57.07it/s]
Training Step:
                22%|
Training Step:
                             | 21692/100000 [03:50<21:58, 59.38it/s]
                22%|
Training Step:
                22%1
                             21700/100000 [03:50<21:05, 61.85it/s]
Training Step:
                22%|
                             | 21707/100000 [03:50<21:11, 61.55it/s]
                             | 21714/100000 [03:50<21:06, 61.83it/s]
Training Step:
                22%|
Training Step:
                             | 21721/100000 [03:51<20:48, 62.69it/s]
                22%|
                             | 21728/100000 [03:51<22:04, 59.10it/s]
Training Step:
                22%|
                             | 21734/100000 [03:51<22:28, 58.05it/s]
Training Step:
                22%1
Training Step:
                             21740/100000 [03:51<22:16, 58.54it/s]
                22%|
Training Step:
                22%|
                             | 21747/100000 [03:51<21:56, 59.44it/s]
Training Step:
                22%|
                             | 21754/100000 [03:51<22:01, 59.21it/s]
Training Step:
                22%|
                             | 21760/100000 [03:51<22:32, 57.84it/s]
Training Step:
                22%|
                             | 21766/100000 [03:51<22:55, 56.87it/s]
Training Step:
                22%|
                             | 21772/100000 [03:51<22:49, 57.13it/s]
Training Step:
                             | 21778/100000 [03:52<23:02, 56.57it/s]
                22%|
                             21784/100000 [03:52<23:00, 56.64it/s]
Training Step:
                22%|
Training Step:
                             | 21790/100000 [03:52<23:20, 55.85it/s]
                22%|
Training Step:
                22%1
                             21796/100000 [03:52<22:58, 56.74it/s]
Training Step:
                             | 21802/100000 [03:52<22:47,
                22%|
57.20it/s][INFO] Episode ended! Scenario Index: 1013 Reason:
out_of_road.
Training Step:
                22%|
                             | 21808/100000 [03:52<27:27, 47.46it/s]
Training Step:
                22%|
                             21815/100000 [03:52<24:44, 52.68it/s]
                             | 21822/100000 [03:52<23:11, 56.20it/s]
Training Step:
                22%|
Training Step:
                22%|
                             21830/100000 [03:52<22:02, 59.11it/s]
Training Step:
                22%|
                             | 21837/100000 [03:53<21:20, 61.04it/s]
Training Step:
                22%|
                             | 21844/100000 [03:53<21:14, 61.31it/s]
```

| 21586/100000 [03:48<23:02, 56.73it/s]

Training Step:

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Training Step:
                             | 21851/100000 [03:53<20:43, 62.85it/s]
                             | 21858/100000 [03:53<20:38, 63.10it/s]
Training Step:
                22%|
Training Step:
                22%1
                             | 21865/100000 [03:53<20:03, 64.91it/s]
Training Step:
                22%|
                             | 21872/100000 [03:53<20:14, 64.34it/s]
Training Step:
                             | 21879/100000 [03:53<20:03, 64.92it/s]
                22%1
Training Step:
                22%|
                             | 21886/100000 [03:53<20:32, 63.38it/s]
Training Step:
                22%|
                             | 21893/100000 [03:53<20:30, 63.46it/s]
                             | 21900/100000 [03:54<21:19, 61.02it/s]
Training Step:
                22%1
Training Step:
                22%|
                             | 21907/100000 [03:54<21:14, 61.29it/s]
                             | 21914/100000 [03:54<21:28, 60.61it/s]
Training Step:
                22%|
                22%|
                             | 21921/100000 [03:54<21:56, 59.33it/s]
Training Step:
Training Step:
                22%1
                             | 21927/100000 [03:54<22:11, 58.64it/s]
                             | 21933/100000 [03:54<22:37, 57.50it/s]
Training Step:
                22%|
Training Step:
                             21939/100000 [03:54<22:51, 56.93it/s]
                22%
                             | 21945/100000 [03:54<22:57, 56.68it/s]
Training Step:
                22%|
Training Step:
                22%|
                             | 21951/100000 [03:54<22:48, 57.03it/s]
Training Step:
                22%1
                             | 21957/100000 [03:55<22:36, 57.55it/s]
Training Step:
                22%|
                             | 21963/100000 [03:55<22:54, 56.78it/s]
Training Step:
                22%|
                             21969/100000 [03:55<23:07, 56.26it/s]
                             | 21975/100000 [03:55<23:21, 55.68it/s]
Training Step:
                22%1
                             21981/100000 [03:55<23:53, 54.44it/s]
Training Step:
                22%|
Training Step:
                             | 21987/100000 [03:55<24:50, 52.34it/s]
                22%|
Training Step:
                22%1
                             21993/100000 [03:55<25:05, 51.81it/s]
Training Step:
                22%|
                             | 21999/100000 [03:55<25:02, 51.92it/s]
                             | 22005/100000 [03:56<26:04, 49.87it/s]
Training Step:
                22%|
Training Step:
                             | 22011/100000 [03:56<25:32, 50.90it/s]
                22%|
                             22017/100000 [03:56<24:53, 52.23it/s]
Training Step:
                22%|
                             | 22023/100000 [03:56<24:33, 52.90it/s]
Training Step:
                22%1
                             22029/100000 [03:56<24:24, 53.24it/s]
Training Step:
                22%|
Training Step:
                22%1
                             | 22035/100000 [03:56<26:18,
49.39it/s][INFO] Episode ended! Scenario Index: 1001 Reason:
out_of_road.
Training Step:
                22%|
                             22041/100000 [03:56<29:47, 43.63it/s]
Training Step:
                22%|
                             22048/100000 [03:56<26:39, 48.73it/s]
                             | 22056/100000 [03:56<23:50, 54.48it/s]
Training Step:
                22%|
Training Step:
                             | 22062/100000 [03:57<24:00, 54.10it/s]
                22%|
Training Step:
                22%1
                             | 22069/100000 [03:57<22:59, 56.48it/s]
Training Step:
                             | 22075/100000 [03:57<22:37, 57.41it/s]
                22%|
Training Step:
                             | 22081/100000 [03:57<22:24, 57.96it/s]
                22%|
Training Step:
                22%|
                             | 22088/100000 [03:57<22:10, 58.55it/s]
                             22095/100000 [03:57<21:24, 60.65it/s]
Training Step:
                22%1
Training Step:
                22%|
                             | 22102/100000 [03:57<24:11, 53.65it/s]
Training Step:
                             22108/100000 [03:57<24:44, 52.47it/s]
                22%
                             | 22114/100000 [03:58<24:09, 53.72it/s]
Training Step:
                22%|
Training Step:
                22%|
                             22120/100000 [03:58<23:46, 54.60it/s]
Training Step:
                22%|
                             | 22126/100000 [03:58<24:06, 53.84it/s]
Training Step:
                22%|
                             | 22132/100000 [03:58<25:05, 51.72it/s]
```

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| 22144/100000 [03:58<26:15, 49.42it/s]
Training Step:
                22%|
Training Step:
                22%1
                             | 22149/100000 [03:58<26:10, 49.57it/s]
Training Step:
                22%|
                             | 22154/100000 [03:58<26:53, 48.24it/s]
Training Step:
                             | 22160/100000 [03:58<26:39, 48.66it/s]
                22%1
Training Step:
                22%|
                             22166/100000 [03:59<26:39, 48.67it/s]
Training Step:
                22%|
                             | 22171/100000 [03:59<27:09, 47.76it/s]
                             22176/100000 [03:59<27:19, 47.47it/s]
Training Step:
                22%1
Training Step:
                22%|
                             | 22182/100000 [03:59<26:39, 48.65it/s]
                             | 22188/100000 [03:59<26:12, 49.47it/s]
Training Step:
                22%|
                22%|
                             | 22194/100000 [03:59<25:51, 50.14it/s]
Training Step:
Training Step:
                22%1
                             | 22200/100000 [03:59<26:10, 49.55it/s]
                22%|
                             | 22206/100000 [03:59<26:01, 49.83it/s]
Training Step:
Training Step:
                             22212/100000 [04:00<26:11, 49.51it/s]
                22%
                             | 22218/100000 [04:00<26:02, 49.80it/s]
Training Step:
                22%|
Training Step:
                22%1
                             | 22224/100000 [04:00<25:50, 50.17it/s]
Training Step:
                22%1
                             | 22230/100000 [04:00<25:41, 50.46it/s]
Training Step:
                22%1
                             | 22236/100000 [04:00<24:54, 52.04it/s]
Training Step:
                22%|
                             | 22242/100000 [04:00<24:25, 53.05it/s]
Training Step:
                22%1
                             | 22248/100000 [04:00<24:09, 53.63it/s]
Training Step:
                             22254/100000 [04:00<24:45, 52.35it/s]
                22%|
Training Step:
                             | 22260/100000 [04:00<24:23, 53.13it/s]
                22%|
Training Step:
                22%1
                             | 22266/100000 [04:01<24:35, 52.70it/s]
Training Step:
                22%|
                             | 22272/100000 [04:01<25:10, 51.46it/s]
                             | 22278/100000 [04:01<25:11, 51.41it/s]
Training Step:
                22%|
Training Step:
                             | 22284/100000 [04:01<24:34, 52.72it/s]
                22%|
                             | 22290/100000 [04:01<24:03, 53.83it/s]
Training Step:
                22%|
                             | 22297/100000 [04:01<22:38, 57.21it/s]
Training Step:
                22%1
                             22303/100000 [04:01<24:12, 53.49it/s]
Training Step:
                22%|
Training Step:
                22%1
                             | 22309/100000 [04:01<24:26,
52.96it/s][INFO] Episode ended! Scenario Index: 1016 Reason:
out_of_road.
Training Step:
                22%|
                             | 22315/100000 [04:02<28:20, 45.68it/s]
Training Step:
                22%|
                             | 22322/100000 [04:02<25:35, 50.60it/s]
                             22329/100000 [04:02<23:18, 55.53it/s]
Training Step:
                22%|
Training Step:
                             | 22336/100000 [04:02<22:39, 57.14it/s]
                22%|
Training Step:
                22%1
                             22342/100000 [04:02<22:48, 56.76it/s]
Training Step:
                             | 22348/100000 [04:02<22:50, 56.66it/s]
                22%|
                             | 22354/100000 [04:02<22:44, 56.92it/s]
Training Step:
                22%|
Training Step:
                22%|
                             | 22360/100000 [04:02<22:27, 57.63it/s]
                             22366/100000 [04:02<22:53, 56.53it/s]
Training Step:
                22%1
Training Step:
                22%|
                             | 22372/100000 [04:02<22:29, 57.51it/s]
Training Step:
                             22378/100000 [04:03<22:16, 58.06it/s]
                22%
                             | 22384/100000 [04:03<22:07, 58.45it/s]
Training Step:
                22%|
Training Step:
                22%|
                             | 22390/100000 [04:03<22:32, 57.39it/s]
Training Step:
                22%|
                             | 22396/100000 [04:03<22:41, 56.99it/s]
```

| 22138/100000 [03:58<25:32, 50.81it/s]

Training Step:

Training Step:

22%|

22%|

| 22402/100000 [04:03<22:53, 56.50it/s]

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Training Step:
                             | 22408/100000 [04:03<23:21, 55.35it/s]
                             | 22414/100000 [04:03<23:02, 56.11it/s]
Training Step:
                22%1
Training Step:
                22%1
                             | 22420/100000 [04:03<22:59, 56.26it/s]
Training Step:
                22%|
                             22426/100000 [04:03<23:08, 55.89it/s]
Training Step:
                             22432/100000 [04:04<23:10, 55.79it/s]
                22%1
Training Step:
                22%|
                             22438/100000 [04:04<23:04, 56.03it/s]
Training Step:
                22%|
                             | 22444/100000 [04:04<22:48, 56.68it/s]
Training Step:
                22%|
                             22450/100000 [04:04<22:44, 56.82it/s]
Training Step:
                             22456/100000 [04:04<22:41, 56.97it/s]
                22%|
                             | 22462/100000 [04:04<22:48, 56.65it/s]
Training Step:
                22%|
                22%|
                             | 22468/100000 [04:04<23:08, 55.83it/s]
Training Step:
                             | 22474/100000 [04:04<22:47, 56.69it/s]
Training Step:
                22%
                             | 22480/100000 [04:04<23:01, 56.12it/s]
Training Step:
                22%1
Training Step:
                             22486/100000 [04:04<22:59, 56.18it/s]
                22%
                             | 22492/100000 [04:05<23:08, 55.83it/s]
Training Step:
                22%1
Training Step:
                22%1
                             | 22498/100000 [04:05<23:02, 56.06it/s]
Training Step:
                23%1
                             | 22504/100000 [04:05<22:50, 56.54it/s]
Training Step:
                23%1
                             | 22510/100000 [04:05<23:12, 55.65it/s]
Training Step:
                23%|
                             22516/100000 [04:05<23:16, 55.49it/s]
Training Step:
                23%1
                             | 22522/100000 [04:05<23:26, 55.08it/s]
                             22528/100000 [04:05<23:53, 54.04it/s]
Training Step:
                23%|
                             | 22534/100000 [04:05<24:05, 53.61it/s]
Training Step:
                23%|
Training Step:
                23%|
                             | 22540/100000 [04:05<23:56, 53.92it/s]
Training Step:
                23%|
                             | 22546/100000 [04:06<24:07, 53.53it/s]
                             | 22552/100000 [04:06<24:29, 52.69it/s]
Training Step:
                23%|
                             | 22558/100000 [04:06<25:05, 51.45it/s]
Training Step:
                23%1
                             22564/100000 [04:06<24:31, 52.62it/s]
Training Step:
                23%1
                             | 22570/100000 [04:06<24:08, 53.47it/s]
Training Step:
                23%1
                             22576/100000 [04:06<24:08, 53.44it/s]
Training Step:
                23%1
Training Step:
                23%1
                             | 22582/100000 [04:06<24:39, 52.32it/s]
Training Step:
                23%1
                             | 22588/100000 [04:06<24:09, 53.40it/s]
                             | 22594/100000 [04:07<25:04, 51.43it/s]
Training Step:
                23%1
Training Step:
                23%1
                             | 22600/100000 [04:07<24:54, 51.79it/s]
Training Step:
                23%|
                             22606/100000 [04:07<24:35, 52.45it/s]
Training Step:
                             22612/100000 [04:07<24:22, 52.92it/s]
                23%|
                             22618/100000 [04:07<24:01, 53.68it/s]
Training Step:
                23%|
Training Step:
                             | 22624/100000 [04:07<23:41, 54.45it/s]
                23%|
Training Step:
                23%1
                             22631/100000 [04:07<22:51, 56.43it/s]
Training Step:
                             | 22637/100000 [04:07<22:45, 56.63it/s]
                23%|
Training Step:
                23%1
                             | 22643/100000 [04:07<22:49, 56.47it/s]
Training Step:
                23%|
                             | 22649/100000 [04:08<22:56,
56.20it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
out_of_road.
                             | 22655/100000 [04:08<26:04, 49.44it/s]
Training Step:
                23%|
Training Step:
                23%1
                             | 22662/100000 [04:08<23:50, 54.05it/s]
Training Step:
                23%1
                             | 22670/100000 [04:08<22:03, 58.41it/s]
Training Step:
                23%1
                             | 22677/100000 [04:08<21:40, 59.45it/s]
```

22%1

```
Training Step:
                23%|
                             | 22684/100000 [04:08<23:57, 53.80it/s]
                23%|
                             | 22690/100000 [04:08<24:49, 51.91it/s]
Training Step:
Training Step:
                23%1
                             | 22696/100000 [04:08<25:01, 51.49it/s]
Training Step:
                23%|
                             | 22702/100000 [04:09<26:18, 48.96it/s]
Training Step:
                             | 22707/100000 [04:09<26:30, 48.59it/s]
                23%1
Training Step:
                23%1
                             | 22712/100000 [04:09<26:39,
48.33it/s][INFO] Episode ended! Scenario Index: 1012 Reason:
out of road.
                             | 22717/100000 [04:09<30:52, 41.72it/s]
Training Step:
                23%|
                23%|
                             | 22724/100000 [04:09<27:01, 47.65it/s]
Training Step:
Training Step:
                23%1
                             | 22731/100000 [04:09<24:14, 53.11it/s]
                23%|
                             | 22738/100000 [04:09<23:03, 55.83it/s]
Training Step:
Training Step:
                             22745/100000 [04:09<22:13, 57.94it/s]
                23%|
                             | 22752/100000 [04:09<21:53, 58.82it/s]
Training Step:
                23%|
Training Step:
                23%|
                             | 22758/100000 [04:10<21:46, 59.14it/s]
Training Step:
                23%|
                             | 22765/100000 [04:10<21:20, 60.32it/s]
Training Step:
                23%|
                             | 22772/100000 [04:10<21:30, 59.85it/s]
Training Step:
                23%|
                             | 22779/100000 [04:10<23:20, 55.15it/s]
Training Step:
                23%1
                             | 22785/100000 [04:10<23:03, 55.82it/s]
Training Step:
                23%|
                             22792/100000 [04:10<22:34, 57.02it/s]
Training Step:
                             22798/100000 [04:10<22:18, 57.66it/s]
                23%|
Training Step:
                23%|
                             | 22804/100000 [04:10<22:07, 58.15it/s]
Training Step:
                23%|
                             | 22810/100000 [04:10<21:59, 58.50it/s]
Training Step:
                23%|
                             | 22816/100000 [04:11<21:49, 58.93it/s]
Training Step:
                             | 22822/100000 [04:11<22:20, 57.57it/s]
                23%|
                             | 22828/100000 [04:11<22:48, 56.38it/s]
Training Step:
                23%|
                             | 22834/100000 [04:11<22:43, 56.58it/s]
Training Step:
                23%|
Training Step:
                             22840/100000 [04:11<22:32, 57.07it/s]
                23%|
Training Step:
                23%1
                             | 22846/100000 [04:11<22:31, 57.09it/s]
Training Step:
                23%|
                             | 22852/100000 [04:11<22:53, 56.15it/s]
Training Step:
                23%|
                             | 22858/100000 [04:11<22:46, 56.44it/s]
Training Step:
                23%|
                             | 22864/100000 [04:11<23:04, 55.71it/s]
Training Step:
                23%|
                             | 22870/100000 [04:12<23:28, 54.75it/s]
Training Step:
                             | 22876/100000 [04:12<24:02, 53.48it/s]
                23%|
                             | 22882/100000 [04:12<24:26, 52.58it/s]
Training Step:
                23%|
Training Step:
                             22888/100000 [04:12<24:45, 51.91it/s]
                23%|
Training Step:
                23%1
                             | 22894/100000 [04:12<25:04, 51.26it/s]
Training Step:
                23%|
                             | 22900/100000 [04:12<25:07, 51.16it/s]
Training Step:
                23%|
                             | 22906/100000 [04:12<25:13,
50.94it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
out_of_road.
                23%1
                             22912/100000 [04:12<28:49, 44.58it/s]
Training Step:
                             | 22920/100000 [04:13<25:07, 51.13it/s]
Training Step:
                23%|
Training Step:
                23%|
                             | 22928/100000 [04:13<22:56, 55.99it/s]
Training Step:
                23%|
                             | 22935/100000 [04:13<21:34, 59.55it/s]
Training Step:
                23%|
                             | 22942/100000 [04:13<21:14, 60.44it/s]
```

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| 22956/100000 [04:13<20:24, 62.91it/s]
Training Step:
                23%|
Training Step:
                23%1
                             | 22963/100000 [04:13<20:05, 63.88it/s]
Training Step:
                23%|
                             | 22970/100000 [04:13<20:10, 63.63it/s]
Training Step:
                             | 22977/100000 [04:13<19:41, 65.18it/s]
                23%1
Training Step:
                23%|
                             | 22984/100000 [04:14<19:59, 64.19it/s]
Training Step:
                23%|
                             22991/100000 [04:14<20:00, 64.17it/s]
                             22998/100000 [04:14<21:04, 60.89it/s]
Training Step:
                23%|
Training Step:
                23%|
                             23005/100000 [04:14<20:56, 61.29it/s]
                             | 23012/100000 [04:14<20:55, 61.33it/s]
Training Step:
                23%|
                23%|
                             | 23019/100000 [04:14<20:23, 62.92it/s]
Training Step:
Training Step:
                             | 23026/100000 [04:14<21:38, 59.28it/s]
                23%|
                             | 23032/100000 [04:14<22:04, 58.12it/s]
Training Step:
                23%|
Training Step:
                             23038/100000 [04:14<22:10, 57.82it/s]
                23%1
                             | 23044/100000 [04:15<22:46, 56.31it/s]
Training Step:
                23%1
Training Step:
                23%1
                             | 23050/100000 [04:15<22:37, 56.70it/s]
Training Step:
                23%|
                             | 23056/100000 [04:15<22:37, 56.70it/s]
Training Step:
                23%|
                             | 23062/100000 [04:15<22:56, 55.90it/s]
Training Step:
                23%|
                             23068/100000 [04:15<23:06, 55.49it/s]
Training Step:
                23%1
                             23074/100000 [04:15<23:35, 54.35it/s]
Training Step:
                23%1
                             | 23080/100000 [04:15<24:05,
53.22it/s][INFO] Episode ended! Scenario Index: 1019 Reason: crash
vehicle
Training Step:
                             | 23086/100000 [04:15<26:16, 48.78it/s]
                23%|
                23%|
                             | 23094/100000 [04:15<23:24, 54.77it/s]
Training Step:
                             | 23102/100000 [04:16<22:00, 58.23it/s]
Training Step:
                23%|
                             | 23110/100000 [04:16<21:02, 60.90it/s]
Training Step:
                23%1
Training Step:
                             23117/100000 [04:16<20:33, 62.31it/s]
                23%|
Training Step:
                23%1
                             | 23124/100000 [04:16<20:48, 61.56it/s]
Training Step:
                23%|
                             | 23131/100000 [04:16<21:12, 60.42it/s]
Training Step:
                23%|
                             | 23138/100000 [04:16<21:32, 59.48it/s]
Training Step:
                23%1
                             | 23145/100000 [04:16<21:06, 60.66it/s]
Training Step:
                23%|
                             23152/100000 [04:16<21:35, 59.34it/s]
Training Step:
                             23159/100000 [04:17<20:42, 61.84it/s]
                23%|
                             23166/100000 [04:17<20:51, 61.39it/s]
Training Step:
                23%|
Training Step:
                23%|
                             | 23173/100000 [04:17<20:28,
62.54it/s][INFO] Episode ended! Scenario Index: 1014 Reason:
out_of_road.
Training Step:
                23%|
                             | 23180/100000 [04:17<23:58, 53.38it/s]
Training Step:
                23%1
                             23187/100000 [04:17<22:16, 57.47it/s]
Training Step:
                23%|
                             | 23194/100000 [04:17<21:21, 59.95it/s]
Training Step:
                23%1
                             23202/100000 [04:17<20:25, 62.64it/s]
                             | 23209/100000 [04:17<19:54, 64.27it/s]
Training Step:
                23%|
Training Step:
                23%1
                             | 23216/100000 [04:17<20:47, 61.55it/s]
Training Step:
                23%|
                             | 23223/100000 [04:18<20:35, 62.15it/s]
Training Step:
                23%1
                             | 23230/100000 [04:18<20:39, 61.95it/s]
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| 22949/100000 [04:13<20:53, 61.46it/s]

Training Step:

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Training Step:
                23%|
                             | 23237/100000 [04:18<20:34, 62.19it/s]
                             | 23244/100000 [04:18<20:47, 61.52it/s]
Training Step:
                23%|
Training Step:
                23%1
                             | 23251/100000 [04:18<20:54,
61.17it/s][INFO] Episode ended! Scenario Index: 1013 Reason:
out of road.
Training Step:
                23%|
                             23258/100000 [04:18<25:36, 49.96it/s]
Training Step:
                23%1
                             23265/100000 [04:18<23:40, 54.01it/s]
Training Step:
                23%|
                             23272/100000 [04:18<22:42, 56.30it/s]
                             | 23278/100000 [04:19<22:30, 56.81it/s]
Training Step:
                23%|
                23%|
                             | 23284/100000 [04:19<22:27, 56.93it/s]
Training Step:
Training Step:
                             | 23290/100000 [04:19<22:26, 56.99it/s]
                23%|
                             | 23296/100000 [04:19<22:33, 56.66it/s]
Training Step:
                23%|
Training Step:
                             | 23302/100000 [04:19<22:15, 57.43it/s]
                23%1
                             | 23309/100000 [04:19<21:39, 59.00it/s]
Training Step:
                23%1
Training Step:
                23%1
                             | 23316/100000 [04:19<21:44, 58.78it/s]
Training Step:
                23%|
                             | 23323/100000 [04:19<21:30, 59.42it/s]
Training Step:
                23%1
                             | 23329/100000 [04:19<21:28, 59.50it/s]
Training Step:
                23%|
                             23335/100000 [04:20<21:39, 59.01it/s]
                             | 23341/100000 [04:20<21:47, 58.64it/s]
Training Step:
                23%1
                             23347/100000 [04:20<22:17, 57.31it/s]
Training Step:
                23%|
Training Step:
                             | 23353/100000 [04:20<22:20, 57.18it/s]
                23%|
Training Step:
                23%|
                             | 23359/100000 [04:20<22:09, 57.66it/s]
Training Step:
                23%|
                             | 23365/100000 [04:20<22:27, 56.86it/s]
                             | 23371/100000 [04:20<22:28, 56.84it/s]
Training Step:
                23%|
                             | 23377/100000 [04:20<22:47, 56.02it/s]
Training Step:
                23%|
                             | 23383/100000 [04:20<22:39, 56.36it/s]
Training Step:
                23%|
                             | 23389/100000 [04:20<23:00, 55.49it/s]
Training Step:
                23%1
                             23395/100000 [04:21<23:03, 55.36it/s]
Training Step:
                23%|
Training Step:
                23%1
                             | 23401/100000 [04:21<23:01, 55.46it/s]
Training Step:
                23%|
                             | 23407/100000 [04:21<24:36, 51.88it/s]
Training Step:
                23%|
                             | 23413/100000 [04:21<25:12, 50.65it/s]
Training Step:
                23%|
                             | 23419/100000 [04:21<25:37, 49.82it/s]
Training Step:
                23%|
                             | 23425/100000 [04:21<26:02, 49.02it/s]
Training Step:
                             23430/100000 [04:21<26:46, 47.67it/s]
                23%|
                             23435/100000 [04:21<28:31, 44.74it/s]
Training Step:
                23%|
Training Step:
                23%|
                             | 23440/100000 [04:22<28:25,
44.88it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
out_of_road.
Training Step:
                23%|
                             | 23445/100000 [04:22<34:24, 37.09it/s]
Training Step:
                23%1
                             | 23452/100000 [04:22<29:56, 42.62it/s]
Training Step:
                23%|
                             | 23459/100000 [04:22<26:36, 47.95it/s]
Training Step:
                23%1
                             23466/100000 [04:22<24:52, 51.29it/s]
                             | 23472/100000 [04:22<24:33, 51.92it/s]
Training Step:
                23%|
Training Step:
                23%|
                             | 23478/100000 [04:22<24:13, 52.66it/s]
                             | 23484/100000 [04:22<24:09, 52.79it/s]
Training Step:
                23%|
```

| 23490/100000 [04:23<23:59, 53.15it/s]

Training Step:

23%1

```
Training Step:
                23%1
                             | 23496/100000 [04:23<23:40, 53.85it/s]
                             | 23502/100000 [04:23<23:35, 54.05it/s]
Training Step:
                24%|
Training Step:
                24%1
                             | 23508/100000 [04:23<22:57, 55.55it/s]
Training Step:
                24%|
                             23514/100000 [04:23<23:12, 54.94it/s]
Training Step:
                             | 23520/100000 [04:23<23:15, 54.82it/s]
                24%1
Training Step:
                24%|
                             | 23526/100000 [04:23<23:28, 54.29it/s]
                             | 23532/100000 [04:23<23:29, 54.24it/s]
Training Step:
                24%|
                             23538/100000 [04:23<23:37, 53.93it/s]
Training Step:
                24%1
Training Step:
                24%|
                             | 23544/100000 [04:24<23:32, 54.11it/s]
                             | 23550/100000 [04:24<23:48, 53.52it/s]
Training Step:
                24%|
                24%|
                             | 23556/100000 [04:24<23:59, 53.11it/s]
Training Step:
                             | 23562/100000 [04:24<23:59, 53.10it/s]
Training Step:
                24%1
Training Step:
                             | 23568/100000 [04:24<24:14, 52.54it/s]
                24%1
                             23574/100000 [04:24<25:25, 50.11it/s]
Training Step:
                24%|
                             | 23580/100000 [04:24<25:45, 49.43it/s]
Training Step:
                24%1
Training Step:
                24%1
                             | 23586/100000 [04:24<25:29, 49.97it/s]
Training Step:
                24%1
                             | 23592/100000 [04:24<25:13, 50.49it/s]
Training Step:
                24%1
                             | 23598/100000 [04:25<25:10, 50.59it/s]
Training Step:
                24%|
                             23604/100000 [04:25<25:19, 50.29it/s]
                             | 23610/100000 [04:25<26:07, 48.73it/s]
Training Step:
                24%1
                             23615/100000 [04:25<26:37, 47.83it/s]
Training Step:
                24%|
Training Step:
                             | 23620/100000 [04:25<26:59, 47.15it/s]
                24%|
Training Step:
                24%1
                             23625/100000 [04:25<26:59, 47.16it/s]
Training Step:
                24%|
                             | 23630/100000 [04:25<27:21, 46.53it/s]
                             | 23635/100000 [04:25<27:23, 46.46it/s]
Training Step:
                24%|
Training Step:
                24%|
                             | 23640/100000 [04:26<27:25, 46.41it/s]
                             23645/100000 [04:26<27:44, 45.88it/s]
Training Step:
                24%|
                             | 23650/100000 [04:26<28:02, 45.38it/s]
Training Step:
                24%1
Training Step:
                             23655/100000 [04:26<28:24, 44.80it/s]
                24%|
Training Step:
                24%1
                             | 23660/100000 [04:26<28:53, 44.05it/s]
Training Step:
                24%|
                             | 23665/100000 [04:26<28:09, 45.18it/s]
                             | 23670/100000 [04:26<28:43, 44.30it/s]
Training Step:
                24%1
Training Step:
                24%1
                             | 23675/100000 [04:26<28:43, 44.28it/s]
Training Step:
                24%|
                             23680/100000 [04:26<29:36, 42.96it/s]
Training Step:
                             23685/100000 [04:27<29:23, 43.27it/s]
                24%|
                             23690/100000 [04:27<30:06, 42.24it/s]
Training Step:
                24%|
                             | 23695/100000 [04:27<29:21, 43.33it/s]
Training Step:
                24%|
Training Step:
                24%1
                             23700/100000 [04:27<30:00, 42.38it/s]
Training Step:
                24%|
                             | 23705/100000 [04:27<30:18, 41.95it/s]
                             | 23710/100000 [04:27<31:03, 40.94it/s]
Training Step:
                24%1
Training Step:
                24%|
                             | 23715/100000 [04:27<31:42,
40.09it/s][INFO] Episode ended! Scenario Index: 1004 Reason:
out_of_road.
Training Step:
                24%|
                             | 23720/100000 [04:28<40:25, 31.44it/s]
Training Step:
                24%1
                             | 23727/100000 [04:28<32:33, 39.05it/s]
Training Step:
                24%|
                             | 23734/100000 [04:28<28:28, 44.63it/s]
Training Step:
                24%1
                             | 23740/100000 [04:28<26:25, 48.10it/s]
```

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Training Step:
                24%1
                             | 23746/100000 [04:28<25:26, 49.96it/s]
                             | 23752/100000 [04:28<27:23, 46.38it/s]
Training Step:
                24%1
Training Step:
                24%1
                             | 23758/100000 [04:28<26:40, 47.64it/s]
Training Step:
                24%|
                             23764/100000 [04:28<25:51, 49.14it/s]
Training Step:
                             23770/100000 [04:28<24:44, 51.34it/s]
                24%1
Training Step:
                24%|
                             23776/100000 [04:29<23:58, 53.00it/s]
Training Step:
                24%|
                             23782/100000 [04:29<24:11, 52.50it/s]
                             23788/100000 [04:29<24:18, 52.26it/s]
Training Step:
                24%1
Training Step:
                24%|
                             23794/100000 [04:29<24:15, 52.37it/s]
                             | 23800/100000 [04:29<23:57, 53.00it/s]
Training Step:
                24%|
                24%|
                             | 23806/100000 [04:29<23:45, 53.46it/s]
Training Step:
                             | 23812/100000 [04:29<23:37, 53.76it/s]
Training Step:
                24%1
Training Step:
                             | 23818/100000 [04:29<23:55, 53.06it/s]
                24%1
Training Step:
                             23824/100000 [04:29<23:55, 53.07it/s]
                24%|
                             | 23830/100000 [04:30<24:10, 52.52it/s]
Training Step:
                24%1
Training Step:
                24%1
                             | 23836/100000 [04:30<24:20, 52.14it/s]
Training Step:
                24%1
                             | 23842/100000 [04:30<24:48, 51.15it/s]
Training Step:
                24%1
                             | 23848/100000 [04:30<24:36, 51.59it/s]
Training Step:
                24%|
                             23854/100000 [04:30<24:27, 51.89it/s]
Training Step:
                24%1
                             23860/100000 [04:30<23:58, 52.95it/s]
                             23866/100000 [04:30<24:05, 52.66it/s]
Training Step:
                24%|
Training Step:
                             | 23872/100000 [04:30<24:17, 52.24it/s]
                24%|
Training Step:
                24%1
                             | 23878/100000 [04:30<24:13, 52.36it/s]
Training Step:
                24%|
                             | 23884/100000 [04:31<24:34, 51.63it/s]
                             | 23890/100000 [04:31<24:33, 51.64it/s]
Training Step:
                24%|
Training Step:
                24%|
                             | 23896/100000 [04:31<25:15, 50.23it/s]
Training Step:
                24%1
                             | 23902/100000 [04:31<25:23, 49.96it/s]
                             | 23908/100000 [04:31<25:22, 49.97it/s]
Training Step:
                24%1
Training Step:
                             23914/100000 [04:31<25:10, 50.36it/s]
                24%|
Training Step:
                24%1
                             | 23920/100000 [04:31<24:58, 50.76it/s]
Training Step:
                24%1
                             | 23926/100000 [04:31<24:51, 51.00it/s]
                             | 23932/100000 [04:32<25:04, 50.57it/s]
Training Step:
                24%1
Training Step:
                24%1
                             | 23938/100000 [04:32<25:58, 48.80it/s]
Training Step:
                24%|
                             23943/100000 [04:32<26:24, 47.99it/s]
Training Step:
                             23948/100000 [04:32<27:42, 45.74it/s]
                24%|
                             23953/100000 [04:32<29:19, 43.22it/s]
Training Step:
                24%|
Training Step:
                             23958/100000 [04:32<30:04, 42.14it/s]
                24%|
Training Step:
                24%1
                             23963/100000 [04:32<29:32, 42.90it/s]
Training Step:
                             | 23968/100000 [04:32<29:56, 42.33it/s]
                24%|
                             | 23973/100000 [04:33<29:06, 43.54it/s]
Training Step:
                24%|
Training Step:
                24%|
                             | 23978/100000 [04:33<29:15, 43.30it/s]
                             | 23983/100000 [04:33<28:10, 44.98it/s]
Training Step:
                24%1
Training Step:
                24%|
                             | 23988/100000 [04:33<28:04, 45.14it/s]
Training Step:
                24%1
                             23993/100000 [04:33<27:42, 45.73it/s]
                             | 23998/100000 [04:33<29:07, 43.50it/s]
Training Step:
                24%1
Training Step:
                24%1
                             | 24003/100000 [04:33<30:43, 41.23it/s]
Training Step:
                24%1
                             | 24008/100000 [04:33<30:47, 41.13it/s]
Training Step:
                24%1
                             | 24013/100000 [04:33<30:01, 42.18it/s]
```

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Training Step:
                24%|
                             | 24018/100000 [04:34<30:34, 41.42it/s]
                             | 24023/100000 [04:34<30:28, 41.55it/s]
Training Step:
                24%|
Training Step:
                24%|
                             | 24028/100000 [04:34<30:29, 41.53it/s]
Training Step:
                24%|
                             24033/100000 [04:34<30:33, 41.42it/s]
Training Step:
                             24038/100000 [04:34<32:22, 39.10it/s]
                24%1
Training Step:
                24%|
                             24042/100000 [04:34<35:01, 36.15it/s]
Training Step:
                24%|
                             | 24046/100000 [04:34<37:30, 33.76it/s]
                             24050/100000 [04:35<39:27, 32.07it/s]
Training Step:
                24%1
Training Step:
                24%|
                             24054/100000 [04:35<40:23, 31.34it/s]
Training Step:
                24%|
                             | 24058/100000 [04:35<40:35, 31.18it/s]
                24%|
                             | 24062/100000 [04:35<39:55, 31.70it/s]
Training Step:
Training Step:
                24%|
                             | 24066/100000 [04:35<39:15, 32.24it/s]
Training Step:
                             | 24070/100000 [04:35<39:31, 32.02it/s]
                24%|
Training Step:
                             24074/100000 [04:35<40:41, 31.09it/s]
                24%|
                             | 24078/100000 [04:35<41:26, 30.53it/s]
Training Step:
                24%|
Training Step:
                24%|
                             | 24082/100000 [04:36<40:04, 31.58it/s]
Training Step:
                24%|
                             | 24086/100000 [04:36<40:05, 31.56it/s]
Training Step:
                24%|
                             | 24090/100000 [04:36<40:06, 31.54it/s]
Training Step:
                24%|
                             24094/100000 [04:36<38:42, 32.68it/s]
Training Step:
                24%1
                             24098/100000 [04:36<38:45, 32.63it/s]
Training Step:
                24%|
                             24102/100000 [04:36<40:41, 31.08it/s]
Training Step:
                24%|
                             | 24106/100000 [04:36<39:35,
31.95it/s][INFO] Episode ended! Scenario Index: 1004 Reason:
out_of_road.
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| 24110/100000 [04:36<45:09, 28.01it/s] Training Step: 24%| | 24117/100000 [04:37<34:24, 36.76it/s] Training Step: 24%| | 24124/100000 [04:37<29:38, 42.67it/s] Training Step: 24%1 24131/100000 [04:37<26:23, 47.91it/s] Training Step: 24%| Training Step: 24%1 | 24136/100000 [04:37<26:09, 48.34it/s] | 24142/100000 [04:37<25:17, 49.99it/s] Training Step: 24%| Training Step: 24%| | 24148/100000 [04:37<24:18, 52.02it/s] Training Step: 24%| | 24154/100000 [04:37<23:46, 53.18it/s] Training Step: 24%| 24160/100000 [04:37<23:16, 54.32it/s] Training Step: 24166/100000 [04:37<23:57, 52.75it/s] 24%| 24172/100000 [04:38<23:58, 52.71it/s] Training Step: 24%| Training Step: 24178/100000 [04:38<23:49, 53.03it/s] 24%| Training Step: 24%1 24184/100000 [04:38<23:37, 53.48it/s] Training Step: | 24190/100000 [04:38<23:36, 53.51it/s] 24%| | 24196/100000 [04:38<23:34, 53.60it/s] Training Step: 24%| Training Step: 24%| | 24202/100000 [04:38<23:12, 54.42it/s] 24208/100000 [04:38<23:20, 54.12it/s] Training Step: 24%1 Training Step: 24%| | 24214/100000 [04:38<23:31, 53.68it/s] Training Step: 24220/100000 [04:38<23:49, 53.00it/s] 24%| | 24226/100000 [04:39<23:57, 52.72it/s] Training Step: 24%| Training Step: 24%| | 24232/100000 [04:39<24:16, 52.01it/s] | 24238/100000 [04:39<24:13, 52.12it/s] Training Step: 24%| Training Step: 24%| | 24244/100000 [04:39<24:13, 52.14it/s]

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Training Step:
                24%|
                             | 24250/100000 [04:39<24:06, 52.35it/s]
                             | 24256/100000 [04:39<24:28, 51.58it/s]
Training Step:
                24%|
Training Step:
                24%|
                             | 24262/100000 [04:39<25:16, 49.95it/s]
Training Step:
                24%|
                             24268/100000 [04:39<25:34, 49.35it/s]
Training Step:
                             | 24274/100000 [04:40<25:20, 49.80it/s]
                24%1
Training Step:
                24%|
                             24280/100000 [04:40<25:07, 50.23it/s]
Training Step:
                24%|
                             24286/100000 [04:40<26:25, 47.76it/s]
Training Step:
                24%1
                             24291/100000 [04:40<26:28, 47.65it/s]
Training Step:
                             24296/100000 [04:40<27:47, 45.40it/s]
                24%|
                             | 24301/100000 [04:40<28:12, 44.73it/s]
Training Step:
                24%|
                24%|
                             | 24306/100000 [04:40<27:55, 45.17it/s]
Training Step:
Training Step:
                             | 24311/100000 [04:40<28:08, 44.83it/s]
                24%|
                             | 24316/100000 [04:40<28:23, 44.44it/s]
Training Step:
                24%|
Training Step:
                             24321/100000 [04:41<28:15, 44.64it/s]
                24%|
                             | 24326/100000 [04:41<28:33, 44.17it/s]
Training Step:
                24%|
Training Step:
                24%|
                             | 24331/100000 [04:41<28:36, 44.08it/s]
Training Step:
                24%|
                             | 24336/100000 [04:41<28:48, 43.78it/s]
Training Step:
                24%|
                             | 24341/100000 [04:41<29:23, 42.91it/s]
Training Step:
                24%|
                             24346/100000 [04:41<29:34, 42.64it/s]
Training Step:
                24%1
                             24351/100000 [04:41<29:26, 42.83it/s]
                             24356/100000 [04:41<30:03, 41.94it/s]
Training Step:
                24%|
Training Step:
                24%|
                             | 24361/100000 [04:42<29:03,
43.38it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
out_of_road.
Training Step:
                24%|
                             | 24366/100000 [04:42<31:36, 39.88it/s]
                             | 24373/100000 [04:42<26:37, 47.34it/s]
Training Step:
                24%|
                             | 24380/100000 [04:42<23:48, 52.94it/s]
Training Step:
                24%|
Training Step:
                             24386/100000 [04:42<23:50, 52.87it/s]
                24%|
Training Step:
                24%|
                             | 24392/100000 [04:42<24:35, 51.24it/s]
Training Step:
                24%|
                             | 24398/100000 [04:42<24:57, 50.48it/s]
                             | 24404/100000 [04:42<24:58,
Training Step:
                24%|
50.46it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
out_of_road.
                             24410/100000 [04:43<29:00, 43.44it/s]
Training Step:
                24%|
Training Step:
                             24418/100000 [04:43<25:19, 49.74it/s]
                24%|
Training Step:
                24%1
                             | 24425/100000 [04:43<23:22, 53.89it/s]
Training Step:
                             | 24431/100000 [04:43<23:16, 54.10it/s]
                24%|
Training Step:
                             | 24437/100000 [04:43<24:14, 51.96it/s]
                24%|
Training Step:
                24%|
                             | 24443/100000 [04:43<24:26, 51.51it/s]
                             24449/100000 [04:43<25:08, 50.07it/s]
Training Step:
                24%|
Training Step:
                24%|
                             | 24455/100000 [04:43<25:33, 49.27it/s]
Training Step:
                             24460/100000 [04:43<25:48, 48.80it/s]
                24%|
Training Step:
                24%|
                             | 24465/100000 [04:44<25:42, 48.98it/s]
Training Step:
                24%|
                             | 24470/100000 [04:44<26:14, 47.96it/s]
Training Step:
                24%|
                             | 24475/100000 [04:44<26:22, 47.73it/s]
Training Step:
                24%|
                             | 24480/100000 [04:44<26:23, 47.69it/s]
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Training Step:
                             | 24485/100000 [04:44<26:32, 47.40it/s]
                             | 24490/100000 [04:44<26:48, 46.94it/s]
Training Step:
                24%|
Training Step:
                24%|
                             | 24495/100000 [04:44<27:22, 45.97it/s]
Training Step:
                24%|
                             | 24500/100000 [04:44<27:14, 46.19it/s]
Training Step:
                             24505/100000 [04:44<26:37, 47.26it/s]
                25%1
Training Step:
                25%|
                             24510/100000 [04:45<26:56, 46.71it/s]
Training Step:
                25%|
                             24515/100000 [04:45<26:51, 46.85it/s]
Training Step:
                25%|
                             | 24520/100000 [04:45<27:06, 46.41it/s]
Training Step:
                             24525/100000 [04:45<26:41, 47.14it/s]
                25%|
Training Step:
                25%|
                             | 24530/100000 [04:45<26:49, 46.90it/s]
                             | 24535/100000 [04:45<26:28, 47.52it/s]
Training Step:
                25%|
Training Step:
                             | 24540/100000 [04:45<26:21, 47.70it/s]
                25%|
Training Step:
                25%|
                             | 24545/100000 [04:45<26:05,
48.21it/s][INFO] Episode ended! Scenario Index: 1018 Reason:
out_of_road.
Training Step:
                25%|
                             | 24551/100000 [04:45<29:40, 42.38it/s]
Training Step:
                25%|
                             | 24558/100000 [04:46<25:57, 48.44it/s]
Training Step:
                25%|
                             24566/100000 [04:46<22:43, 55.30it/s]
Training Step:
                25%1
                             24573/100000 [04:46<21:22, 58.79it/s]
                             24580/100000 [04:46<21:42, 57.89it/s]
Training Step:
                25%|
                             | 24586/100000 [04:46<21:45, 57.75it/s]
Training Step:
                25%|
Training Step:
                25%|
                             | 24593/100000 [04:46<21:20, 58.90it/s]
Training Step:
                             24599/100000 [04:46<21:36, 58.15it/s]
                25%|
Training Step:
                25%|
                             | 24605/100000 [04:46<21:46, 57.70it/s]
                             | 24611/100000 [04:46<22:22, 56.14it/s]
Training Step:
                25%|
                             | 24617/100000 [04:47<22:03, 56.97it/s]
Training Step:
                25%|
                             | 24623/100000 [04:47<21:58, 57.18it/s]
Training Step:
                25%|
                             | 24630/100000 [04:47<21:46,
Training Step:
                25%|
57.71it/s][INFO] Episode ended! Scenario Index: 1010 Reason:
out_of_road.
Training Step:
                25%|
                             | 24636/100000 [04:47<24:28, 51.32it/s]
Training Step:
                25%|
                             24643/100000 [04:47<22:35, 55.60it/s]
Training Step:
                             24650/100000 [04:47<21:41, 57.89it/s]
                25%|
                             24657/100000 [04:47<20:55, 59.99it/s]
Training Step:
                25%|
Training Step:
                             24664/100000 [04:47<21:19, 58.86it/s]
                25%|
Training Step:
                25%1
                             24670/100000 [04:47<21:20, 58.84it/s]
Training Step:
                             | 24676/100000 [04:48<21:16, 59.02it/s]
                25%|
Training Step:
                25%|
                             | 24682/100000 [04:48<21:25,
58.59it/s][INFO] Episode ended! Scenario Index: 1010 Reason:
out_of_road.
                             24688/100000 [04:48<25:57, 48.36it/s]
Training Step:
                25%
                             | 24694/100000 [04:48<24:43, 50.77it/s]
Training Step:
                25%|
Training Step:
                25%|
                             | 24701/100000 [04:48<22:57, 54.66it/s]
Training Step:
                25%|
                             | 24707/100000 [04:48<23:05, 54.34it/s]
Training Step:
                25%|
                             | 24713/100000 [04:48<23:29, 53.41it/s]
```

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Training Step:
                25%|
                             24737/100000 [04:49<24:02, 52.16it/s]
Training Step:
                             24743/100000 [04:49<23:38, 53.05it/s]
                25%1
Training Step:
                25%|
                             24749/100000 [04:49<24:56, 50.27it/s]
Training Step:
                25%|
                             24755/100000 [04:49<24:47, 50.57it/s]
Training Step:
                25%|
                             24761/100000 [04:49<24:45, 50.65it/s]
Training Step:
                             24767/100000 [04:49<24:28, 51.23it/s]
                25%|
                             | 24773/100000 [04:49<24:05, 52.05it/s]
Training Step:
                25%|
                             | 24779/100000 [04:50<24:04, 52.08it/s]
Training Step:
                25%|
Training Step:
                             | 24785/100000 [04:50<23:50, 52.57it/s]
                25%|
                             | 24791/100000 [04:50<23:59, 52.25it/s]
Training Step:
                25%|
Training Step:
                             24797/100000 [04:50<23:44, 52.78it/s]
                25%|
                             | 24803/100000 [04:50<23:49, 52.60it/s]
Training Step:
                25%1
Training Step:
                25%1
                             | 24809/100000 [04:50<23:53, 52.47it/s]
Training Step:
                25%|
                             | 24815/100000 [04:50<23:54, 52.40it/s]
Training Step:
                25%1
                             | 24821/100000 [04:50<24:19, 51.53it/s]
Training Step:
                25%|
                             24827/100000 [04:50<24:05, 51.99it/s]
Training Step:
                25%1
                             24833/100000 [04:51<24:33, 51.02it/s]
                             24839/100000 [04:51<25:10, 49.75it/s]
Training Step:
                25%|
Training Step:
                             | 24844/100000 [04:51<26:24, 47.42it/s]
                25%|
Training Step:
                25%|
                             | 24849/100000 [04:51<26:27, 47.34it/s]
Training Step:
                25%|
                             | 24854/100000 [04:51<27:04, 46.25it/s]
                             | 24859/100000 [04:51<27:19, 45.83it/s]
Training Step:
                25%|
Training Step:
                             | 24864/100000 [04:51<27:45, 45.12it/s]
                25%|
                             | 24869/100000 [04:51<27:39, 45.28it/s]
Training Step:
                25%|
                             | 24874/100000 [04:52<28:30, 43.92it/s]
Training Step:
                25%|
Training Step:
                             | 24879/100000 [04:52<27:46,
                25%|
45.08it/s][INFO] Episode ended! Scenario Index: 1004 Reason:
out_of_road.
Training Step:
                25%1
                             | 24884/100000 [04:52<30:01, 41.70it/s]
Training Step:
                25%|
                             24890/100000 [04:52<27:29, 45.53it/s]
Training Step:
                             24898/100000 [04:52<23:48, 52.59it/s]
                25%|
                             24906/100000 [04:52<21:32, 58.08it/s]
Training Step:
                25%|
Training Step:
                             24913/100000 [04:52<20:44, 60.35it/s]
                25%|
Training Step:
                25%1
                             24920/100000 [04:52<19:57, 62.71it/s]
Training Step:
                             | 24928/100000 [04:52<19:16, 64.89it/s]
                25%|
                             | 24936/100000 [04:53<18:45, 66.69it/s]
Training Step:
                25%|
Training Step:
                25%|
                             | 24943/100000 [04:53<18:57, 65.96it/s]
                             24950/100000 [04:53<19:06, 65.44it/s]
Training Step:
                25%1
Training Step:
                25%|
                             | 24958/100000 [04:53<18:40, 66.99it/s]
Training Step:
                             24965/100000 [04:53<18:30, 67.55it/s]
                25%|
Training Step:
                25%1
                             | 24972/100000 [04:53<19:25, 64.38it/s]
Training Step:
                25%1
                             | 24979/100000 [04:53<19:45,
63.30it/s][INFO] Episode ended! Scenario Index: 1014 Reason: crash
vehicle
```

| 24719/100000 [04:48<23:39, 53.02it/s]

| 24725/100000 [04:49<23:33, 53.24it/s]

| 24731/100000 [04:49<23:22, 53.67it/s]

Training Step:

Training Step: Training Step:

25%|

25%|

25%1

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| 24986/100000 [04:53<23:45, 52.61it/s]
Training Step:
                25%|
Training Step:
                25%1
                             | 24992/100000 [04:54<22:59, 54.38it/s]
Training Step:
                25%|
                             24999/100000 [04:54<21:43, 57.54it/s]
Training Step:
                             | 25005/100000 [04:54<21:38, 57.76it/s]
                25%1
Training Step:
                25%|
                             | 25011/100000 [04:54<22:47, 54.82it/s]
Training Step:
                25%|
                             | 25017/100000 [04:54<23:36, 52.92it/s]
Training Step:
                25%|
                             25023/100000 [04:54<24:29, 51.01it/s]
Training Step:
                25%|
                             | 25029/100000 [04:54<24:34, 50.84it/s]
                             | 25035/100000 [04:54<25:02, 49.90it/s]
Training Step:
                25%|
                25%|
                             | 25041/100000 [04:54<25:08, 49.69it/s]
Training Step:
Training Step:
                             | 25046/100000 [04:55<25:45, 48.51it/s]
                25%|
                             | 25051/100000 [04:55<25:36, 48.77it/s]
Training Step:
                25%|
Training Step:
                             25056/100000 [04:55<26:03, 47.93it/s]
                25%|
                             | 25061/100000 [04:55<26:06, 47.84it/s]
Training Step:
                25%1
Training Step:
                25%1
                             | 25066/100000 [04:55<26:25, 47.25it/s]
Training Step:
                25%|
                             | 25071/100000 [04:55<26:30, 47.10it/s]
Training Step:
                25%1
                             | 25076/100000 [04:55<26:53, 46.44it/s]
Training Step:
                25%|
                             25081/100000 [04:55<26:37, 46.91it/s]
Training Step:
                25%1
                             | 25086/100000 [04:55<27:03, 46.14it/s]
Training Step:
                25%|
                             25091/100000 [04:56<26:46, 46.63it/s]
Training Step:
                             | 25096/100000 [04:56<26:58, 46.27it/s]
                25%|
Training Step:
                25%|
                             | 25101/100000 [04:56<26:35, 46.93it/s]
Training Step:
                25%|
                             | 25106/100000 [04:56<27:01, 46.18it/s]
Training Step:
                25%|
                             | 25111/100000 [04:56<26:38, 46.86it/s]
Training Step:
                             | 25116/100000 [04:56<26:57, 46.30it/s]
                25%|
                             | 25121/100000 [04:56<27:15, 45.79it/s]
Training Step:
                25%1
                             | 25126/100000 [04:56<28:03, 44.47it/s]
Training Step:
                25%|
Training Step:
                             25131/100000 [04:56<28:55, 43.14it/s]
                25%|
Training Step:
                25%1
                             | 25136/100000 [04:57<28:37, 43.58it/s]
Training Step:
                25%1
                             | 25141/100000 [04:57<28:02, 44.48it/s]
                             | 25146/100000 [04:57<28:23, 43.94it/s]
Training Step:
                25%|
Training Step:
                25%1
                             | 25151/100000 [04:57<28:10, 44.27it/s]
Training Step:
                25%|
                             25156/100000 [04:57<28:37, 43.57it/s]
Training Step:
                             25161/100000 [04:57<27:49, 44.83it/s]
                25%|
Training Step:
                25%|
                             | 25166/100000 [04:57<27:55,
44.65it/s][INFO] Episode ended! Scenario Index: 1018 Reason:
out of road.
Training Step:
                             | 25171/100000 [04:57<32:47, 38.03it/s]
                25%|
Training Step:
                25%|
                             | 25178/100000 [04:58<28:04, 44.41it/s]
                             | 25185/100000 [04:58<25:17, 49.30it/s]
Training Step:
                25%1
Training Step:
                25%|
                             | 25192/100000 [04:58<23:41, 52.63it/s]
Training Step:
                25%1
                             25199/100000 [04:58<22:01, 56.60it/s]
                             | 25205/100000 [04:58<21:48, 57.18it/s]
Training Step:
                25%|
Training Step:
                25%1
                             | 25212/100000 [04:58<21:35, 57.72it/s]
                             | 25218/100000 [04:58<21:21, 58.34it/s]
Training Step:
                25%|
Training Step:
                25%1
                             | 25225/100000 [04:58<20:54, 59.61it/s]
```

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Training Step:
                             | 25232/100000 [04:58<20:29, 60.82it/s]
Training Step:
                25%|
                             | 25239/100000 [04:58<19:59, 62.34it/s]
Training Step:
                25%|
                             | 25246/100000 [04:59<20:27,
60.89it/s][INFO] Episode ended! Scenario Index: 1009 Reason: crash
vehicle
Training Step:
                25%|
                             | 25253/100000 [04:59<23:33, 52.87it/s]
Training Step:
                25%1
                             25260/100000 [04:59<22:21, 55.72it/s]
Training Step:
                25%|
                             25268/100000 [04:59<20:58, 59.36it/s]
                             | 25276/100000 [04:59<20:16, 61.44it/s]
Training Step:
                25%|
                25%|
                             | 25283/100000 [04:59<21:08, 58.88it/s]
Training Step:
Training Step:
                             | 25289/100000 [04:59<21:35, 57.69it/s]
                25%
                             | 25295/100000 [04:59<22:22, 55.66it/s]
Training Step:
                25%|
Training Step:
                             25301/100000 [05:00<22:29, 55.35it/s]
                25%|
                             | 25307/100000 [05:00<22:52, 54.40it/s]
Training Step:
                25%|
Training Step:
                25%|
                             | 25313/100000 [05:00<23:36, 52.74it/s]
                             | 25319/100000 [05:00<23:48, 52.29it/s]
Training Step:
                25%|
Training Step:
                25%|
                             | 25325/100000 [05:00<24:14,
51.33it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
out of road.
Training Step:
                             | 25331/100000 [05:00<30:08, 41.28it/s]
                25%|
Training Step:
                25%|
                             25337/100000 [05:00<27:28, 45.30it/s]
Training Step:
                25%|
                             | 25344/100000 [05:01<25:04, 49.61it/s]
                             | 25351/100000 [05:01<23:21, 53.26it/s]
Training Step:
                25%|
Training Step:
                             | 25358/100000 [05:01<22:46, 54.62it/s]
                25%|
                             | 25364/100000 [05:01<22:31, 55.20it/s]
Training Step:
                25%|
                             | 25371/100000 [05:01<21:21, 58.23it/s]
Training Step:
                25%|
                             | 25378/100000 [05:01<21:26, 58.01it/s]
Training Step:
                25%
Training Step:
                25%|
                             | 25385/100000 [05:01<20:56, 59.40it/s]
Training Step:
                25%|
                             | 25391/100000 [05:01<21:13, 58.61it/s]
Training Step:
                25%|
                             | 25397/100000 [05:01<21:35, 57.59it/s]
Training Step:
                25%|
                             | 25403/100000 [05:02<21:52, 56.83it/s]
Training Step:
                25%|
                             | 25410/100000 [05:02<21:32, 57.71it/s]
Training Step:
                             | 25417/100000 [05:02<21:06, 58.88it/s]
                25%|
                             | 25423/100000 [05:02<21:09, 58.73it/s]
Training Step:
                25%|
Training Step:
                             | 25429/100000 [05:02<21:08, 58.80it/s]
                25%|
Training Step:
                25%1
                             | 25435/100000 [05:02<21:31,
57.75it/s][INFO] Episode ended! Scenario Index: 1016 Reason:
out_of_road.
                             | 25441/100000 [05:02<25:16, 49.16it/s]
Training Step:
                25%
Training Step:
                25%|
                             | 25448/100000 [05:02<22:48, 54.47it/s]
                25%|
                             | 25456/100000 [05:02<20:55, 59.39it/s]
Training Step:
Training Step:
                25%1
                             | 25464/100000 [05:03<19:48,
62.73it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
out_of_road.
```

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| 25478/100000 [05:03<21:10, 58.65it/s]
Training Step:
                25%|
Training Step:
                25%|
                             | 25486/100000 [05:03<19:50, 62.59it/s]
Training Step:
                25%|
                             | 25493/100000 [05:03<19:13, 64.57it/s]
Training Step:
                             | 25500/100000 [05:03<20:11, 61.50it/s]
                26%1
Training Step:
                26%|
                             | 25507/100000 [05:03<21:33, 57.60it/s]
Training Step:
                26%|
                             | 25513/100000 [05:03<21:56, 56.57it/s]
Training Step:
                26%1
                             25519/100000 [05:03<21:56, 56.60it/s]
Training Step:
                             | 25525/100000 [05:04<21:59, 56.45it/s]
                26%|
                             | 25531/100000 [05:04<21:56, 56.55it/s]
Training Step:
                26%|
                26%1
                             | 25537/100000 [05:04<21:49, 56.88it/s]
Training Step:
Training Step:
                             | 25543/100000 [05:04<21:54, 56.64it/s]
                26%
Training Step:
                             | 25549/100000 [05:04<21:58, 56.47it/s]
                26%1
Training Step:
                             25555/100000 [05:04<22:11, 55.89it/s]
                26%1
                             | 25561/100000 [05:04<22:58, 53.99it/s]
Training Step:
                26%1
Training Step:
                26%1
                             | 25567/100000 [05:04<23:07, 53.63it/s]
Training Step:
                26%1
                             | 25573/100000 [05:04<22:49, 54.34it/s]
Training Step:
                26%1
                             | 25579/100000 [05:05<23:02, 53.82it/s]
Training Step:
                26%|
                             | 25585/100000 [05:05<22:35, 54.88it/s]
Training Step:
                26%1
                             | 25591/100000 [05:05<22:49, 54.35it/s]
                             | 25597/100000 [05:05<22:21, 55.47it/s]
Training Step:
                26%|
Training Step:
                             | 25603/100000 [05:05<22:20, 55.49it/s]
                26%|
Training Step:
                26%1
                             25609/100000 [05:05<21:53, 56.64it/s]
                             | 25615/100000 [05:05<21:31, 57.59it/s]
Training Step:
                26%|
Training Step:
                26%|
                             | 25621/100000 [05:05<21:31, 57.58it/s]
                             | 25627/100000 [05:05<21:49,
Training Step:
                26%1
56.79it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
out_of_road.
Training Step:
                26%1
                             | 25633/100000 [05:06<27:25, 45.20it/s]
Training Step:
                26%1
                             25640/100000 [05:06<25:14, 49.09it/s]
Training Step:
                26%1
                             | 25648/100000 [05:06<22:39, 54.70it/s]
Training Step:
                26%1
                             | 25656/100000 [05:06<21:00, 58.99it/s]
Training Step:
                26%|
                             25663/100000 [05:06<20:11, 61.38it/s]
Training Step:
                             | 25670/100000 [05:06<20:20, 60.91it/s]
                26%|
                             | 25677/100000 [05:06<19:58, 62.02it/s]
Training Step:
                26%|
Training Step:
                             | 25684/100000 [05:06<20:21, 60.86it/s]
                26%|
Training Step:
                26%1
                             25691/100000 [05:07<20:44, 59.71it/s]
Training Step:
                26%|
                             | 25698/100000 [05:07<20:40, 59.90it/s]
Training Step:
                26%1
                             | 25705/100000 [05:07<20:05,
61.63it/s][INFO] Episode ended! Scenario Index: 1009 Reason: crash
vehicle
Training Step:
                26%1
                             25712/100000 [05:07<24:38, 50.26it/s]
                             | 25720/100000 [05:07<22:35, 54.80it/s]
Training Step:
                26%1
Training Step:
                26%1
                             25727/100000 [05:07<21:19, 58.03it/s]
Training Step:
                26%1
                             | 25734/100000 [05:07<21:08, 58.55it/s]
Training Step:
                26%1
                             | 25741/100000 [05:07<20:50, 59.37it/s]
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| 25471/100000 [05:03<22:34, 55.00it/s]

Training Step:

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Training Step:
                26%1
                             | 25748/100000 [05:08<21:00, 58.92it/s]
                             | 25755/100000 [05:08<20:35, 60.11it/s]
Training Step:
                26%1
Training Step:
                26%1
                             | 25762/100000 [05:08<20:42, 59.75it/s]
Training Step:
                26%|
                             | 25769/100000 [05:08<20:36, 60.03it/s]
Training Step:
                             | 25776/100000 [05:08<20:56, 59.06it/s]
                26%1
Training Step:
                26%|
                             | 25783/100000 [05:08<20:34, 60.14it/s]
Training Step:
                26%|
                             | 25790/100000 [05:08<21:04, 58.69it/s]
                             | 25796/100000 [05:08<21:27, 57.64it/s]
Training Step:
                26%1
Training Step:
                             | 25802/100000 [05:08<21:20, 57.93it/s]
                26%|
                             | 25808/100000 [05:09<22:10, 55.75it/s]
Training Step:
                26%|
                             | 25814/100000 [05:09<23:22, 52.90it/s]
Training Step:
                26%1
Training Step:
                             | 25820/100000 [05:09<23:42, 52.16it/s]
                26%
                             | 25826/100000 [05:09<24:02, 51.41it/s]
Training Step:
                26%1
                             25832/100000 [05:09<23:58, 51.56it/s]
Training Step:
                26%1
                             | 25838/100000 [05:09<24:06, 51.27it/s]
Training Step:
                26%1
Training Step:
                26%1
                             | 25844/100000 [05:09<24:15, 50.96it/s]
Training Step:
                26%1
                             | 25850/100000 [05:09<24:15, 50.93it/s]
Training Step:
                26%1
                             | 25856/100000 [05:10<24:35,
50.27it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
out of road.
Training Step:
                             | 25862/100000 [05:10<28:33, 43.26it/s]
                26%|
Training Step:
                26%1
                             25870/100000 [05:10<24:40, 50.05it/s]
Training Step:
                26%|
                             | 25878/100000 [05:10<22:06, 55.89it/s]
Training Step:
                26%|
                             | 25885/100000 [05:10<21:30, 57.42it/s]
                             | 25891/100000 [05:10<22:38,
Training Step:
                26%1
54.55it/s][INFO] Episode ended! Scenario Index: 1012 Reason:
out_of_road.
Training Step:
                26%1
                             | 25897/100000 [05:10<26:31, 46.58it/s]
Training Step:
                26%1
                             | 25904/100000 [05:10<24:22, 50.65it/s]
Training Step:
                26%1
                             | 25911/100000 [05:11<22:20, 55.28it/s]
Training Step:
                26%1
                             | 25918/100000 [05:11<21:26, 57.60it/s]
Training Step:
                26%|
                             | 25925/100000 [05:11<20:19, 60.73it/s]
Training Step:
                             | 25932/100000 [05:11<20:05, 61.42it/s]
                26%|
                             | 25939/100000 [05:11<19:53, 62.05it/s]
Training Step:
                26%|
Training Step:
                             | 25946/100000 [05:11<19:53, 62.04it/s]
                26%|
Training Step:
                26%1
                             | 25953/100000 [05:11<19:31, 63.19it/s]
Training Step:
                             | 25960/100000 [05:11<19:22, 63.67it/s]
                26%|
                             | 25967/100000 [05:11<20:02, 61.55it/s]
Training Step:
                26%|
Training Step:
                26%|
                             | 25974/100000 [05:12<20:11, 61.11it/s]
                             | 25981/100000 [05:12<20:12, 61.04it/s]
Training Step:
                26%1
Training Step:
                26%1
                             | 25988/100000 [05:12<20:39,
59.70it/s][INFO] Episode ended! Scenario Index: 1002 Reason: crash
vehicle
Training Step:
                26%1
                             | 25994/100000 [05:12<24:56, 49.45it/s]
Training Step:
                26%1
                             | 26000/100000 [05:12<24:00, 51.37it/s]
```

```
Training Step:
                26%1
                             | 26007/100000 [05:12<22:09, 55.67it/s]
                             | 26014/100000 [05:12<21:04, 58.53it/s]
Training Step:
                26%1
Training Step:
                26%1
                             | 26021/100000 [05:12<21:02, 58.62it/s]
Training Step:
                26%|
                             26027/100000 [05:13<21:17, 57.90it/s]
Training Step:
                             26033/100000 [05:13<21:46, 56.61it/s]
                26%1
Training Step:
                26%|
                             26039/100000 [05:13<21:35, 57.07it/s]
Training Step:
                26%|
                             26046/100000 [05:13<21:33, 57.17it/s]
Training Step:
                26%1
                             26052/100000 [05:13<21:58, 56.10it/s]
Training Step:
                26%|
                             26059/100000 [05:13<21:24, 57.55it/s]
                             | 26065/100000 [05:13<23:05, 53.37it/s]
Training Step:
                26%|
                26%1
                             | 26071/100000 [05:13<24:02, 51.24it/s]
Training Step:
Training Step:
                             | 26077/100000 [05:13<24:11, 50.93it/s]
                26%1
                             | 26083/100000 [05:14<24:01, 51.29it/s]
Training Step:
                26%1
                             26089/100000 [05:14<24:12, 50.90it/s]
Training Step:
                26%1
                             | 26095/100000 [05:14<23:54, 51.53it/s]
Training Step:
                26%1
Training Step:
                26%1
                             | 26101/100000 [05:14<23:19, 52.81it/s]
Training Step:
                26%1
                             | 26107/100000 [05:14<23:21, 52.72it/s]
Training Step:
                26%1
                             | 26113/100000 [05:14<23:24, 52.61it/s]
Training Step:
                26%|
                             26119/100000 [05:14<23:27, 52.48it/s]
                             | 26125/100000 [05:14<22:59, 53.54it/s]
Training Step:
                26%1
                             26131/100000 [05:15<23:22, 52.66it/s]
Training Step:
                26%|
Training Step:
                             | 26137/100000 [05:15<23:24, 52.58it/s]
                26%|
Training Step:
                26%1
                             26143/100000 [05:15<23:23, 52.61it/s]
Training Step:
                26%|
                             | 26149/100000 [05:15<23:19, 52.76it/s]
                             | 26155/100000 [05:15<23:56, 51.41it/s]
Training Step:
                26%|
Training Step:
                             | 26161/100000 [05:15<25:00, 49.22it/s]
                26%1
                             | 26166/100000 [05:15<25:13, 48.79it/s]
Training Step:
                26%1
                             | 26172/100000 [05:15<25:27, 48.33it/s]
Training Step:
                26%1
                             26177/100000 [05:15<25:57, 47.39it/s]
Training Step:
                26%1
Training Step:
                26%1
                             | 26182/100000 [05:16<26:43, 46.04it/s]
Training Step:
                26%1
                             | 26187/100000 [05:16<26:24, 46.59it/s]
                             | 26192/100000 [05:16<26:47, 45.90it/s]
Training Step:
                26%1
                             | 26197/100000 [05:16<26:48, 45.89it/s]
Training Step:
                26%1
Training Step:
                26%|
                             | 26202/100000 [05:16<29:20, 41.92it/s]
Training Step:
                26%|
                             26207/100000 [05:16<30:02, 40.93it/s]
                             26212/100000 [05:16<30:32, 40.26it/s]
Training Step:
                26%|
                             | 26217/100000 [05:16<30:49, 39.90it/s]
Training Step:
                26%|
Training Step:
                26%1
                             26222/100000 [05:17<30:08, 40.80it/s]
Training Step:
                             | 26227/100000 [05:17<29:30, 41.67it/s]
                26%|
Training Step:
                             | 26232/100000 [05:17<29:01, 42.35it/s]
                26%|
Training Step:
                26%|
                             | 26237/100000 [05:17<28:06, 43.74it/s]
                             | 26242/100000 [05:17<28:00, 43.89it/s]
Training Step:
                26%1
Training Step:
                26%1
                             | 26247/100000 [05:17<27:12, 45.19it/s]
Training Step:
                             26252/100000 [05:17<26:47, 45.89it/s]
                26%1
                             | 26257/100000 [05:17<26:16, 46.78it/s]
Training Step:
                26%1
Training Step:
                26%1
                             26262/100000 [05:17<25:54, 47.43it/s]
Training Step:
                26%1
                             | 26267/100000 [05:17<25:30, 48.17it/s]
Training Step:
                26%1
                             | 26272/100000 [05:18<25:35, 48.01it/s]
```

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Training Step:
                26%1
                             | 26277/100000 [05:18<25:57, 47.33it/s]
                             | 26282/100000 [05:18<25:54, 47.42it/s]
Training Step:
                26%1
Training Step:
                26%1
                             | 26288/100000 [05:18<24:46, 49.60it/s]
Training Step:
                26%|
                             26294/100000 [05:18<24:34, 50.00it/s]
Training Step:
                             26300/100000 [05:18<24:45, 49.61it/s]
                26%1
Training Step:
                26%|
                             26305/100000 [05:18<24:58, 49.18it/s]
Training Step:
                26%|
                             26310/100000 [05:18<25:08, 48.86it/s]
                             26315/100000 [05:18<25:02, 49.04it/s]
Training Step:
                26%1
Training Step:
                             26320/100000 [05:19<25:06, 48.90it/s]
                26%|
                             | 26326/100000 [05:19<24:14, 50.64it/s]
Training Step:
                26%|
                26%1
                             | 26332/100000 [05:19<23:56, 51.27it/s]
Training Step:
Training Step:
                             | 26338/100000 [05:19<23:52, 51.41it/s]
                26%1
                             | 26344/100000 [05:19<23:57, 51.23it/s]
Training Step:
                26%1
                             26350/100000 [05:19<24:00, 51.11it/s]
Training Step:
                26%1
                             | 26356/100000 [05:19<24:07, 50.89it/s]
Training Step:
                26%1
Training Step:
                26%1
                             | 26362/100000 [05:19<23:30, 52.22it/s]
Training Step:
                26%1
                             | 26368/100000 [05:19<23:04,
53.19it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
out_of_road.
```

Training Step: 26%| 26374/100000 [05:20<26:45, 45.85it/s] Training Step: | 26381/100000 [05:20<23:43, 51.73it/s] 26%| Training Step: 26%1 26388/100000 [05:20<22:23, 54.81it/s] Training Step: 26%| 26395/100000 [05:20<21:03, 58.25it/s] | 26401/100000 [05:20<21:12, 57.84it/s] Training Step: 26%| Training Step: | 26407/100000 [05:20<21:05, 58.14it/s] 26%1 | 26414/100000 [05:20<20:37, 59.47it/s] Training Step: 26%1 | 26421/100000 [05:20<20:41, 59.27it/s] Training Step: 26%1 Training Step: 26427/100000 [05:21<20:52, 58.74it/s] 26%1 Training Step: 26%1 | 26434/100000 [05:21<20:48, 58.92it/s] Training Step: 26%1 | 26440/100000 [05:21<20:49, 58.89it/s] | 26446/100000 [05:21<20:46, 59.02it/s] Training Step: 26%1 Training Step: 26%1 | 26452/100000 [05:21<20:56, 58.55it/s] Training Step: 26%| 26458/100000 [05:21<21:08, 57.98it/s] Training Step: 26464/100000 [05:21<22:49, 53.71it/s] 26%| 26470/100000 [05:21<22:42, 53.97it/s] Training Step: 26%| Training Step: 26476/100000 [05:21<23:02, 53.17it/s] 26%| Training Step: 26%1 26482/100000 [05:22<23:46, 51.53it/s] Training Step: | 26488/100000 [05:22<25:30, 48.02it/s] 26%| Training Step: | 26494/100000 [05:22<25:02, 48.93it/s] 26%| Training Step: 26%| | 26500/100000 [05:22<24:44, 49.52it/s] 26506/100000 [05:22<24:54, 49.17it/s] Training Step: 27%| Training Step: 27%| | 26511/100000 [05:22<24:58, 49.05it/s] Training Step: 26516/100000 [05:22<24:56, 49.10it/s] 27%| | 26522/100000 [05:22<24:23, 50.21it/s] Training Step: 27%| Training Step: 27%| 26528/100000 [05:22<24:15, 50.49it/s] Training Step: 27%| | 26534/100000 [05:23<24:28, 50.03it/s] Training Step: 27%| | 26540/100000 [05:23<24:13, 50.54it/s]

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Training Step:
                27%|
                             | 26546/100000 [05:23<25:02, 48.88it/s]
                             | 26552/100000 [05:23<24:11, 50.59it/s]
Training Step:
                27%|
Training Step:
                27%|
                             | 26558/100000 [05:23<23:36, 51.86it/s]
Training Step:
                27%|
                             26564/100000 [05:23<24:17, 50.38it/s]
Training Step:
                             26570/100000 [05:23<24:31, 49.89it/s]
                27%1
Training Step:
                27%|
                             26576/100000 [05:23<25:46, 47.48it/s]
Training Step:
                27%|
                             | 26582/100000 [05:24<25:22, 48.21it/s]
                             26587/100000 [05:24<25:16, 48.42it/s]
Training Step:
                27%1
Training Step:
                             26592/100000 [05:24<25:27, 48.07it/s]
                27%|
Training Step:
                27%1
                             | 26598/100000 [05:24<24:48,
49.31it/s][INFO] Episode ended! Scenario Index: 1016 Reason:
out_of_road.
Training Step:
                             26603/100000 [05:24<26:40, 45.87it/s]
                27%
                             | 26610/100000 [05:24<23:35, 51.86it/s]
Training Step:
                27%|
Training Step:
                27%|
                             | 26618/100000 [05:24<20:49, 58.74it/s]
Training Step:
                27%|
                             | 26625/100000 [05:24<20:02, 61.02it/s]
Training Step:
                27%|
                             | 26632/100000 [05:24<19:33, 62.51it/s]
Training Step:
                27%|
                             26640/100000 [05:25<19:01, 64.27it/s]
                             | 26648/100000 [05:25<18:21, 66.61it/s]
Training Step:
                27%1
                             26656/100000 [05:25<17:51, 68.43it/s]
Training Step:
                27%|
Training Step:
                             | 26664/100000 [05:25<17:49, 68.60it/s]
                27%|
Training Step:
                27%1
                             26672/100000 [05:25<17:30, 69.82it/s]
Training Step:
                27%|
                             26680/100000 [05:25<17:28, 69.93it/s]
Training Step:
                27%|
                             | 26687/100000 [05:25<17:31, 69.76it/s]
Training Step:
                             | 26694/100000 [05:25<18:35, 65.74it/s]
                27%|
                             26701/100000 [05:25<18:57, 64.43it/s]
Training Step:
                27%|
                             | 26708/100000 [05:26<18:55, 64.54it/s]
Training Step:
                27%|
Training Step:
                             26715/100000 [05:26<18:49, 64.88it/s]
                27%|
Training Step:
                27%|
                             | 26722/100000 [05:26<18:52, 64.68it/s]
Training Step:
                27%|
                             | 26729/100000 [05:26<18:52, 64.72it/s]
Training Step:
                27%|
                             | 26736/100000 [05:26<19:07, 63.87it/s]
Training Step:
                27%|
                             | 26743/100000 [05:26<18:58, 64.33it/s]
Training Step:
                27%|
                             26750/100000 [05:26<19:30, 62.58it/s]
Training Step:
                             26757/100000 [05:26<19:40, 62.05it/s]
                27%|
                             26764/100000 [05:26<21:19, 57.23it/s]
Training Step:
                27%|
Training Step:
                             26770/100000 [05:27<22:15, 54.84it/s]
                27%|
Training Step:
                27%1
                             26776/100000 [05:27<23:18, 52.35it/s]
Training Step:
                             | 26782/100000 [05:27<23:19,
                27%|
52.30it/s][INFO] Episode ended! Scenario Index: 1014 Reason:
out_of_road.
Training Step:
                27%|
                             | 26788/100000 [05:27<25:45, 47.39it/s]
Training Step:
                             26796/100000 [05:27<22:46, 53.57it/s]
                27%
                             | 26803/100000 [05:27<21:11, 57.58it/s]
Training Step:
                27%|
Training Step:
                27%|
                             26810/100000 [05:27<20:30, 59.46it/s]
Training Step:
                27%|
                             | 26817/100000 [05:27<21:06, 57.78it/s]
Training Step:
                27%|
                             | 26823/100000 [05:28<21:42, 56.17it/s]
```

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Training Step:
                27%|
                             | 26829/100000 [05:28<21:26, 56.85it/s]
                             | 26835/100000 [05:28<21:42, 56.18it/s]
Training Step:
                27%|
Training Step:
                27%|
                             | 26841/100000 [05:28<21:35, 56.45it/s]
Training Step:
                27%|
                             26847/100000 [05:28<21:56, 55.58it/s]
Training Step:
                             | 26853/100000 [05:28<22:32, 54.10it/s]
                27%1
Training Step:
                27%|
                             | 26859/100000 [05:28<23:08,
52.68it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
out of road.
Training Step:
                27%|
                             | 26865/100000 [05:28<27:58, 43.57it/s]
                27%|
                             | 26872/100000 [05:29<24:41, 49.36it/s]
Training Step:
Training Step:
                             | 26879/100000 [05:29<22:38, 53.84it/s]
                27%|
                             | 26886/100000 [05:29<21:08, 57.63it/s]
Training Step:
                27%|
Training Step:
                             26893/100000 [05:29<20:49, 58.50it/s]
                27%
                             | 26900/100000 [05:29<20:28, 59.52it/s]
Training Step:
                27%|
Training Step:
                27%|
                             | 26907/100000 [05:29<19:44, 61.70it/s]
Training Step:
                27%|
                             | 26914/100000 [05:29<20:05, 60.64it/s]
Training Step:
                27%|
                             | 26921/100000 [05:29<20:00, 60.87it/s]
Training Step:
                27%|
                             26928/100000 [05:29<20:26, 59.58it/s]
Training Step:
                27%1
                             26935/100000 [05:30<19:43, 61.75it/s]
                             26942/100000 [05:30<19:46, 61.57it/s]
Training Step:
                27%|
Training Step:
                             | 26949/100000 [05:30<19:40, 61.89it/s]
                27%|
Training Step:
                27%1
                             26956/100000 [05:30<20:00, 60.84it/s]
Training Step:
                27%|
                             | 26963/100000 [05:30<19:31,
62.33it/s][INFO] Episode ended! Scenario Index: 1019 Reason:
out_of_road.
Training Step:
                27%|
                             | 26970/100000 [05:30<21:26, 56.76it/s]
                             26978/100000 [05:30<19:41, 61.80it/s]
Training Step:
                27%|
Training Step:
                27%|
                             | 26986/100000 [05:30<18:41, 65.09it/s]
Training Step:
                27%|
                             | 26993/100000 [05:30<18:22, 66.24it/s]
Training Step:
                27%|
                             | 27000/100000 [05:31<18:10, 66.91it/s]
Training Step:
                27%|
                             | 27008/100000 [05:31<18:06, 67.20it/s]
Training Step:
                27%|
                             27016/100000 [05:31<18:00, 67.56it/s]
Training Step:
                             27023/100000 [05:31<18:07, 67.12it/s]
                27%|
                             27030/100000 [05:31<18:42, 65.03it/s]
Training Step:
                27%|
Training Step:
                             27037/100000 [05:31<18:53, 64.37it/s]
                27%|
Training Step:
                27%1
                             27044/100000 [05:31<19:08, 63.55it/s]
Training Step:
                             | 27051/100000 [05:31<18:58, 64.09it/s]
                27%|
Training Step:
                27%1
                             | 27058/100000 [05:31<19:42, 61.68it/s]
Training Step:
                27%|
                             | 27065/100000 [05:32<19:22,
62.75it/s][INFO] Episode ended! Scenario Index: 1014 Reason: crash
vehicle
Training Step:
                27%|
                             | 27072/100000 [05:32<21:58, 55.31it/s]
Training Step:
                27%|
                             | 27080/100000 [05:32<20:30, 59.27it/s]
                             | 27088/100000 [05:32<19:35, 62.03it/s]
Training Step:
                27%|
Training Step:
                27%|
                             | 27095/100000 [05:32<19:50, 61.26it/s]
```

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Training Step:
                27%|
                             | 27102/100000 [05:32<20:43, 58.63it/s]
                             | 27108/100000 [05:32<21:26, 56.65it/s]
Training Step:
                27%|
Training Step:
                27%|
                             | 27114/100000 [05:32<22:13, 54.67it/s]
Training Step:
                27%|
                             27120/100000 [05:33<22:31, 53.94it/s]
Training Step:
                             27126/100000 [05:33<22:40, 53.56it/s]
                27%1
Training Step:
                27%|
                             27132/100000 [05:33<22:45, 53.35it/s]
                             | 27138/100000 [05:33<22:54, 53.00it/s]
Training Step:
                27%|
Training Step:
                27%1
                             | 27144/100000 [05:33<23:11, 52.34it/s]
Training Step:
                             27150/100000 [05:33<22:59, 52.81it/s]
                27%|
                             | 27156/100000 [05:33<23:32, 51.57it/s]
Training Step:
                27%|
                27%|
                             | 27162/100000 [05:33<23:30, 51.64it/s]
Training Step:
Training Step:
                             | 27168/100000 [05:34<23:20,
                27%|
51.99it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
Training Step:
                27%|
                             | 27174/100000 [05:34<25:22, 47.83it/s]
Training Step:
                27%|
                             | 27182/100000 [05:34<22:29, 53.95it/s]
Training Step:
                27%|
                             27190/100000 [05:34<20:40, 58.71it/s]
Training Step:
                27%1
                             27196/100000 [05:34<20:35, 58.90it/s]
                             27202/100000 [05:34<21:20, 56.87it/s]
Training Step:
                27%|
Training Step:
                             | 27208/100000 [05:34<22:22, 54.21it/s]
                27%|
Training Step:
                27%1
                             | 27214/100000 [05:34<23:24, 51.82it/s]
Training Step:
                27%|
                             | 27220/100000 [05:34<23:35, 51.41it/s]
Training Step:
                27%|
                             | 27226/100000 [05:35<24:16, 49.96it/s]
                             | 27232/100000 [05:35<24:19, 49.84it/s]
Training Step:
                27%|
                             | 27238/100000 [05:35<24:32, 49.42it/s]
Training Step:
                27%|
                             | 27244/100000 [05:35<24:16, 49.96it/s]
Training Step:
                27%|
Training Step:
                             27250/100000 [05:35<24:26, 49.60it/s]
                27%
Training Step:
                27%|
                             | 27255/100000 [05:35<24:28, 49.53it/s]
Training Step:
                27%|
                             | 27260/100000 [05:35<24:47, 48.92it/s]
Training Step:
                27%|
                             | 27265/100000 [05:35<24:45, 48.97it/s]
Training Step:
                27%|
                             | 27270/100000 [05:36<26:00, 46.61it/s]
Training Step:
                27%|
                             27275/100000 [05:36<25:53, 46.80it/s]
Training Step:
                             27280/100000 [05:36<26:34, 45.62it/s]
                27%|
                             27286/100000 [05:36<26:01, 46.55it/s]
Training Step:
                27%|
Training Step:
                             27291/100000 [05:36<25:44, 47.06it/s]
                27%|
Training Step:
                27%1
                             | 27296/100000 [05:36<26:21,
45.97it/s][INFO] Episode ended! Scenario Index: 1012 Reason:
out_of_road.
                             | 27301/100000 [05:36<31:05, 38.97it/s]
Training Step:
                27%
Training Step:
                27%|
                             | 27308/100000 [05:36<26:27, 45.78it/s]
                             27315/100000 [05:36<23:52, 50.75it/s]
Training Step:
                27%
                             | 27322/100000 [05:37<22:43, 53.29it/s]
Training Step:
                27%|
Training Step:
                27%|
                             27328/100000 [05:37<22:31, 53.78it/s]
                             | 27335/100000 [05:37<21:28, 56.41it/s]
Training Step:
                27%|
Training Step:
                27%|
                             | 27341/100000 [05:37<22:08, 54.71it/s]
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| 27353/100000 [05:37<21:39, 55.90it/s]
Training Step:
                27%|
Training Step:
                27%|
                             | 27360/100000 [05:37<21:09, 57.23it/s]
Training Step:
                27%|
                             27366/100000 [05:37<21:16, 56.90it/s]
Training Step:
                27%1
                             | 27372/100000 [05:37<21:28,
56.35it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
out of road.
Training Step:
                             27378/100000 [05:38<25:57, 46.61it/s]
                27%|
                             | 27384/100000 [05:38<24:18, 49.78it/s]
Training Step:
                27%|
                27%|
                             | 27391/100000 [05:38<22:01, 54.94it/s]
Training Step:
Training Step:
                             | 27398/100000 [05:38<21:23, 56.55it/s]
                27%|
                             | 27404/100000 [05:38<21:14, 56.95it/s]
Training Step:
                27%|
Training Step:
                             27410/100000 [05:38<21:15, 56.92it/s]
                27%|
                             | 27416/100000 [05:38<21:34, 56.05it/s]
Training Step:
                27%|
Training Step:
                27%|
                             | 27422/100000 [05:38<21:13, 57.00it/s]
Training Step:
                27%|
                             | 27428/100000 [05:39<22:52, 52.88it/s]
Training Step:
                27%|
                             | 27434/100000 [05:39<22:32, 53.65it/s]
Training Step:
                27%|
                             27440/100000 [05:39<22:30, 53.72it/s]
Training Step:
                27%1
                             27446/100000 [05:39<22:25, 53.93it/s]
                             27452/100000 [05:39<22:09, 54.55it/s]
Training Step:
                27%|
Training Step:
                             | 27458/100000 [05:39<21:44, 55.61it/s]
                27%|
Training Step:
                27%1
                             27464/100000 [05:39<21:30, 56.22it/s]
Training Step:
                27%|
                             | 27470/100000 [05:39<21:42, 55.71it/s]
Training Step:
                27%|
                             | 27476/100000 [05:39<21:19, 56.69it/s]
                             | 27482/100000 [05:39<21:06, 57.24it/s]
Training Step:
                27%|
                             27488/100000 [05:40<21:21, 56.57it/s]
Training Step:
                27%|
                             | 27494/100000 [05:40<21:17, 56.74it/s]
Training Step:
                27%|
Training Step:
                             27500/100000 [05:40<22:09, 54.53it/s]
                28%|
Training Step:
                28%1
                             | 27506/100000 [05:40<22:37, 53.39it/s]
Training Step:
                28%1
                             | 27512/100000 [05:40<23:11, 52.08it/s]
Training Step:
                28%1
                             | 27518/100000 [05:40<22:49, 52.93it/s]
Training Step:
                28%|
                             | 27524/100000 [05:40<22:49, 52.91it/s]
Training Step:
                28%|
                             27530/100000 [05:40<23:03, 52.38it/s]
Training Step:
                28%|
                             | 27536/100000 [05:41<23:26,
51.51it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
out of road.
Training Step:
                             27542/100000 [05:41<28:47, 41.95it/s]
                28%|
                             | 27550/100000 [05:41<24:37, 49.03it/s]
Training Step:
                28%|
Training Step:
                28%|
                             | 27557/100000 [05:41<22:32, 53.57it/s]
                             27564/100000 [05:41<21:19, 56.60it/s]
Training Step:
                28%1
Training Step:
                28%|
                             | 27570/100000 [05:41<21:46, 55.44it/s]
Training Step:
                             27576/100000 [05:41<22:14, 54.25it/s]
                28%1
                             | 27582/100000 [05:41<22:40, 53.22it/s]
Training Step:
                28%|
Training Step:
                28%1
                             27588/100000 [05:42<23:00, 52.47it/s]
Training Step:
                28%|
                             | 27594/100000 [05:42<22:57, 52.57it/s]
Training Step:
                28%1
                             | 27600/100000 [05:42<23:12, 51.98it/s]
```

| 27347/100000 [05:37<22:16, 54.38it/s]

Training Step:

```
Training Step:
                28%|
                             | 27612/100000 [05:42<23:44,
50.83it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
out_of_road.
Training Step:
                             27618/100000 [05:42<30:10, 39.97it/s]
                28%|
Training Step:
                28%|
                             | 27625/100000 [05:42<26:06, 46.21it/s]
Training Step:
                28%1
                             | 27632/100000 [05:42<23:34, 51.15it/s]
Training Step:
                             27639/100000 [05:43<22:29, 53.60it/s]
                28%|
Training Step:
                28%|
                             | 27645/100000 [05:43<22:30, 53.59it/s]
                             | 27651/100000 [05:43<22:43, 53.05it/s]
Training Step:
                28%|
Training Step:
                             | 27657/100000 [05:43<22:53, 52.66it/s]
                28%|
                             | 27663/100000 [05:43<23:04, 52.25it/s]
Training Step:
                28%|
                             27669/100000 [05:43<23:33, 51.18it/s]
Training Step:
                28%1
                             | 27675/100000 [05:43<23:50, 50.57it/s]
Training Step:
                28%|
                28%|
                             | 27681/100000 [05:43<23:47, 50.65it/s]
Training Step:
Training Step:
                28%|
                             | 27687/100000 [05:43<23:38, 50.97it/s]
Training Step:
                28%|
                             | 27693/100000 [05:44<23:36, 51.06it/s]
Training Step:
                28%|
                             | 27699/100000 [05:44<23:48, 50.62it/s]
Training Step:
                28%1
                             | 27705/100000 [05:44<24:21,
49.45it/s][INFO] Episode ended! Scenario Index: 1003 Reason:
out of road.
Training Step:
                             | 27710/100000 [05:44<29:17, 41.13it/s]
                28%|
Training Step:
                             | 27717/100000 [05:44<25:14, 47.71it/s]
                28%|
Training Step:
                             | 27724/100000 [05:44<23:48, 50.61it/s]
                28%|
                             | 27730/100000 [05:44<23:21, 51.55it/s]
Training Step:
                28%|
                             | 27736/100000 [05:44<23:49, 50.56it/s]
Training Step:
                28%1
                             27742/100000 [05:45<23:52, 50.43it/s]
Training Step:
                28%|
Training Step:
                28%1
                             | 27748/100000 [05:45<23:56, 50.28it/s]
Training Step:
                28%|
                             | 27754/100000 [05:45<23:37, 50.97it/s]
Training Step:
                28%1
                             | 27760/100000 [05:45<23:23, 51.46it/s]
Training Step:
                28%|
                             | 27766/100000 [05:45<23:13, 51.82it/s]
Training Step:
                28%|
                             27772/100000 [05:45<23:19, 51.60it/s]
Training Step:
                             27778/100000 [05:45<23:07, 52.05it/s]
                28%|
                             27784/100000 [05:45<23:40, 50.83it/s]
Training Step:
                28%|
Training Step:
                             27790/100000 [05:46<23:34, 51.05it/s]
                28%|
Training Step:
                28%1
                             27796/100000 [05:46<23:30, 51.19it/s]
Training Step:
                             | 27802/100000 [05:46<23:23, 51.44it/s]
                28%|
Training Step:
                28%|
                             | 27808/100000 [05:46<23:51, 50.44it/s]
Training Step:
                28%|
                             | 27814/100000 [05:46<24:01, 50.06it/s]
Training Step:
                28%1
                             | 27820/100000 [05:46<24:04,
49.97it/s][INFO] Episode ended! Scenario Index: 1008 Reason: crash
vehicle
Training Step:
                28%1
                             | 27826/100000 [05:46<26:23, 45.59it/s]
Training Step:
                28%|
                             | 27834/100000 [05:46<23:14, 51.75it/s]
Training Step:
                28%1
                             | 27841/100000 [05:47<21:33, 55.78it/s]
```

| 27606/100000 [05:42<23:29, 51.38it/s]

Training Step:

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Training Step:
                28%1
                             | 27847/100000 [05:47<21:21, 56.31it/s]
                             | 27853/100000 [05:47<21:06, 56.97it/s]
Training Step:
                28%1
Training Step:
                28%1
                             | 27859/100000 [05:47<20:56, 57.40it/s]
Training Step:
                28%|
                             27866/100000 [05:47<20:53, 57.55it/s]
Training Step:
                             27872/100000 [05:47<20:49, 57.74it/s]
                28%1
Training Step:
                28%|
                             27879/100000 [05:47<20:11, 59.52it/s]
Training Step:
                28%|
                             27885/100000 [05:47<20:14, 59.40it/s]
                             27892/100000 [05:47<19:57, 60.21it/s]
Training Step:
                28%1
Training Step:
                             27899/100000 [05:47<20:16, 59.29it/s]
                28%|
Training Step:
                28%|
                             | 27905/100000 [05:48<20:45, 57.89it/s]
                             | 27911/100000 [05:48<20:39, 58.18it/s]
Training Step:
                28%|
Training Step:
                             | 27917/100000 [05:48<20:45, 57.88it/s]
                28%1
                             | 27923/100000 [05:48<20:49, 57.68it/s]
Training Step:
                28%1
                             27929/100000 [05:48<21:03, 57.05it/s]
Training Step:
                28%1
                             | 27935/100000 [05:48<20:59, 57.24it/s]
Training Step:
                28%1
                28%1
                             | 27941/100000 [05:48<21:09,
Training Step:
56.76it/s][INFO] Episode ended! Scenario Index: 1013 Reason:
out_of_road.
Training Step:
                28%1
                             27947/100000 [05:48<25:21, 47.37it/s]
                             27954/100000 [05:49<22:48, 52.63it/s]
Training Step:
                28%|
Training Step:
                             27962/100000 [05:49<20:49, 57.64it/s]
                28%|
Training Step:
                28%1
                             27969/100000 [05:49<19:45, 60.75it/s]
Training Step:
                28%|
                             | 27976/100000 [05:49<20:00, 59.97it/s]
                             | 27983/100000 [05:49<19:16, 62.26it/s]
Training Step:
                28%|
                             | 27990/100000 [05:49<19:23, 61.91it/s]
Training Step:
                28%|
Training Step:
                28%1
                             | 27997/100000 [05:49<18:48,
63.79it/s][INFO] Episode ended! Scenario Index: 1019 Reason:
out_of_road.
Training Step:
                28%1
                             28004/100000 [05:49<23:34, 50.90it/s]
Training Step:
                28%1
                             | 28011/100000 [05:49<21:40, 55.34it/s]
Training Step:
                28%1
                             | 28018/100000 [05:50<20:22, 58.86it/s]
Training Step:
                28%|
                             | 28025/100000 [05:50<21:24, 56.02it/s]
                             | 28031/100000 [05:50<21:27, 55.90it/s]
Training Step:
                28%|
                             28037/100000 [05:50<21:26, 55.95it/s]
Training Step:
                28%|
Training Step:
                             28043/100000 [05:50<21:30, 55.76it/s]
                28%|
Training Step:
                28%1
                             28049/100000 [05:50<21:10, 56.61it/s]
Training Step:
                             | 28056/100000 [05:50<20:56, 57.25it/s]
                28%|
                             | 28062/100000 [05:50<21:02, 57.00it/s]
Training Step:
                28%|
Training Step:
                28%|
                             | 28068/100000 [05:50<22:19, 53.69it/s]
                             28074/100000 [05:51<22:38, 52.96it/s]
Training Step:
                28%1
Training Step:
                28%1
                             | 28080/100000 [05:51<22:43, 52.73it/s]
Training Step:
                             28086/100000 [05:51<22:48, 52.56it/s]
                28%1
                             | 28092/100000 [05:51<22:54, 52.32it/s]
Training Step:
                28%1
Training Step:
                28%1
                             28098/100000 [05:51<23:11, 51.68it/s]
Training Step:
                28%1
                             | 28104/100000 [05:51<23:11, 51.67it/s]
Training Step:
                28%1
                             | 28110/100000 [05:51<23:13, 51.58it/s]
```

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Training Step:
                28%|
                             | 28122/100000 [05:52<23:07,
51.80it/s][INFO] Episode ended! Scenario Index: 1006 Reason: crash
vehicle
Training Step:
                             28128/100000 [05:52<27:58, 42.81it/s]
                28%|
Training Step:
                28%|
                             | 28135/100000 [05:52<24:33, 48.78it/s]
                             28142/100000 [05:52<23:04, 51.90it/s]
Training Step:
                28%1
Training Step:
                             28149/100000 [05:52<22:02, 54.33it/s]
                28%|
                             | 28155/100000 [05:52<22:27, 53.33it/s]
Training Step:
                28%|
                             | 28161/100000 [05:52<22:47, 52.55it/s]
Training Step:
                28%|
Training Step:
                             | 28167/100000 [05:52<23:23, 51.20it/s]
                28%|
                             | 28173/100000 [05:53<23:25, 51.09it/s]
Training Step:
                28%|
                             28179/100000 [05:53<23:41, 50.52it/s]
Training Step:
                28%|
                             | 28185/100000 [05:53<23:28, 51.00it/s]
Training Step:
                28%|
Training Step:
                28%|
                             | 28191/100000 [05:53<23:04, 51.87it/s]
Training Step:
                28%|
                             | 28197/100000 [05:53<23:23, 51.17it/s]
Training Step:
                28%|
                             | 28203/100000 [05:53<23:04, 51.86it/s]
Training Step:
                28%|
                             28209/100000 [05:53<24:09, 49.52it/s]
Training Step:
                28%1
                             28214/100000 [05:53<24:32, 48.75it/s]
Training Step:
                28%|
                             28220/100000 [05:53<24:34, 48.69it/s]
Training Step:
                             | 28226/100000 [05:54<24:00, 49.82it/s]
                28%|
Training Step:
                28%1
                             28232/100000 [05:54<24:25, 48.96it/s]
                28%|
Training Step:
                             | 28238/100000 [05:54<24:15,
49.31it/s][INFO] Episode ended! Scenario Index: 1003 Reason:
out_of_road.
Training Step:
                28%|
                             | 28244/100000 [05:54<27:33, 43.40it/s]
                             28252/100000 [05:54<23:52, 50.09it/s]
Training Step:
                28%|
Training Step:
                28%1
                             | 28260/100000 [05:54<21:22, 55.94it/s]
Training Step:
                28%|
                             | 28267/100000 [05:54<20:35, 58.05it/s]
Training Step:
                28%|
                             | 28274/100000 [05:54<20:06, 59.47it/s]
Training Step:
                28%|
                             | 28281/100000 [05:55<19:11, 62.28it/s]
Training Step:
                28%|
                             28288/100000 [05:55<19:04, 62.68it/s]
Training Step:
                             | 28296/100000 [05:55<18:38, 64.10it/s]
                28%|
                             28303/100000 [05:55<18:22, 65.01it/s]
Training Step:
                28%|
Training Step:
                             | 28310/100000 [05:55<18:29, 64.60it/s]
                28%|
Training Step:
                28%1
                             28317/100000 [05:55<18:07, 65.92it/s]
Training Step:
                             | 28324/100000 [05:55<18:06, 65.96it/s]
                28%|
Training Step:
                28%1
                             | 28331/100000 [05:55<18:09,
65.80it/s][INFO] Episode ended! Scenario Index: 1001 Reason:
out_of_road.
                             28338/100000 [05:56<22:17, 53.59it/s]
Training Step:
                28%|
                             | 28345/100000 [05:56<20:57, 56.97it/s]
Training Step:
                28%|
Training Step:
                28%|
                             | 28352/100000 [05:56<20:20, 58.72it/s]
                             | 28359/100000 [05:56<19:33, 61.05it/s]
Training Step:
                28%|
Training Step:
                28%|
                             | 28366/100000 [05:56<20:41, 57.68it/s]
```

| 28116/100000 [05:51<23:37, 50.71it/s]

Training Step:

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Training Step:
                28%1
                             | 28372/100000 [05:56<20:48, 57.39it/s]
                28% |
                             | 28378/100000 [05:56<21:15, 56.13it/s]
Training Step:
Training Step:
                28%1
                             | 28384/100000 [05:56<21:12, 56.26it/s]
Training Step:
                28%|
                             28390/100000 [05:56<21:31, 55.46it/s]
Training Step:
                             28396/100000 [05:57<21:26, 55.64it/s]
                28%1
Training Step:
                28%|
                             28402/100000 [05:57<21:55, 54.43it/s]
                             | 28408/100000 [05:57<21:54, 54.46it/s]
Training Step:
                28%|
Training Step:
                28%1
                             28414/100000 [05:57<22:11, 53.76it/s]
Training Step:
                28%|
                             28420/100000 [05:57<22:48, 52.31it/s]
                             | 28426/100000 [05:57<22:49, 52.27it/s]
Training Step:
                28%1
                28%|
                             | 28432/100000 [05:57<22:57, 51.97it/s]
Training Step:
                             | 28438/100000 [05:57<22:30, 52.99it/s]
Training Step:
                28%1
Training Step:
                             | 28444/100000 [05:57<22:22, 53.31it/s]
                28%1
                             28450/100000 [05:58<22:38, 52.68it/s]
Training Step:
                28%1
                             | 28456/100000 [05:58<22:34, 52.81it/s]
Training Step:
                28%1
Training Step:
                28%1
                             | 28462/100000 [05:58<22:57, 51.93it/s]
Training Step:
                28%1
                             | 28468/100000 [05:58<22:52, 52.11it/s]
Training Step:
                28%1
                             | 28474/100000 [05:58<23:09, 51.46it/s]
Training Step:
                28%|
                             28480/100000 [05:58<22:56, 51.94it/s]
Training Step:
                28%1
                             28486/100000 [05:58<23:23, 50.95it/s]
                             28492/100000 [05:58<24:12, 49.23it/s]
Training Step:
                28%|
Training Step:
                             | 28497/100000 [05:58<24:14, 49.18it/s]
                28%|
Training Step:
                29%1
                             28502/100000 [05:59<24:58, 47.72it/s]
Training Step:
                29%|
                             | 28508/100000 [05:59<24:43, 48.18it/s]
Training Step:
                29%
                             | 28514/100000 [05:59<24:59, 47.66it/s]
Training Step:
                29%1
                             | 28520/100000 [05:59<25:01, 47.60it/s]
Training Step:
                29%1
                             28525/100000 [05:59<24:55, 47.80it/s]
                             | 28530/100000 [05:59<25:48, 46.16it/s]
Training Step:
                29%1
Training Step:
                             28535/100000 [05:59<26:17, 45.30it/s]
                29%1
Training Step:
                29%1
                             | 28540/100000 [05:59<26:32, 44.88it/s]
Training Step:
                29%1
                             | 28545/100000 [06:00<26:18, 45.28it/s]
                             | 28550/100000 [06:00<27:23, 43.48it/s]
Training Step:
                29%1
Training Step:
                29%1
                             | 28555/100000 [06:00<27:01, 44.05it/s]
Training Step:
                29%|
                             28560/100000 [06:00<27:46, 42.87it/s]
Training Step:
                             28565/100000 [06:00<27:58, 42.55it/s]
                29%
                             28570/100000 [06:00<28:31, 41.74it/s]
Training Step:
                29%
Training Step:
                             | 28575/100000 [06:00<27:40, 43.01it/s]
                29%
Training Step:
                29%1
                             28580/100000 [06:00<28:09, 42.27it/s]
Training Step:
                29%|
                             | 28585/100000 [06:00<27:41, 42.98it/s]
Training Step:
                             | 28590/100000 [06:01<27:23, 43.46it/s]
                29%1
Training Step:
                29%|
                             | 28595/100000 [06:01<26:44, 44.51it/s]
                             28600/100000 [06:01<26:05, 45.60it/s]
Training Step:
                29%1
Training Step:
                29%1
                             | 28606/100000 [06:01<25:38, 46.39it/s]
Training Step:
                             28612/100000 [06:01<25:09, 47.29it/s]
                29%1
                             | 28617/100000 [06:01<24:53, 47.78it/s]
Training Step:
                29%1
Training Step:
                29%1
                             28622/100000 [06:01<25:11, 47.22it/s]
Training Step:
                29%1
                             | 28628/100000 [06:01<24:35, 48.36it/s]
Training Step:
                29%1
                             | 28633/100000 [06:01<24:22, 48.81it/s]
```

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Training Step:
                29%1
                             | 28638/100000 [06:02<25:15, 47.08it/s]
                             | 28643/100000 [06:02<25:09, 47.28it/s]
Training Step:
                29%1
Training Step:
                29%1
                             | 28648/100000 [06:02<25:56, 45.84it/s]
Training Step:
                29%|
                             28653/100000 [06:02<25:23, 46.83it/s]
Training Step:
                             28658/100000 [06:02<25:39, 46.33it/s]
                29%1
Training Step:
                29%|
                             28663/100000 [06:02<25:10, 47.23it/s]
Training Step:
                29%
                             28668/100000 [06:02<25:09, 47.26it/s]
                             28674/100000 [06:02<24:36, 48.30it/s]
Training Step:
                29%1
Training Step:
                             28680/100000 [06:02<24:16, 48.97it/s]
                29%
Training Step:
                29%
                             | 28686/100000 [06:03<23:55, 49.68it/s]
                29%1
                             | 28692/100000 [06:03<23:39, 50.22it/s]
Training Step:
Training Step:
                             | 28698/100000 [06:03<23:21, 50.87it/s]
                29%1
Training Step:
                29%1
                             | 28704/100000 [06:03<23:01,
51.60it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
out_of_road.
Training Step:
                29%1
                             | 28710/100000 [06:03<25:43, 46.19it/s]
Training Step:
                29%1
                             | 28718/100000 [06:03<22:32, 52.70it/s]
Training Step:
                29%|
                             28726/100000 [06:03<20:39, 57.50it/s]
Training Step:
                29%1
                             28733/100000 [06:03<19:51, 59.80it/s]
                             28740/100000 [06:04<19:51, 59.81it/s]
Training Step:
                29%
Training Step:
                             | 28747/100000 [06:04<19:23, 61.23it/s]
                29%
Training Step:
                29%1
                             28754/100000 [06:04<19:34, 60.64it/s]
Training Step:
                29%|
                             28761/100000 [06:04<19:08, 62.00it/s]
                             | 28768/100000 [06:04<19:24, 61.19it/s]
Training Step:
                29%
                             | 28775/100000 [06:04<19:11, 61.84it/s]
Training Step:
                29%1
                             28782/100000 [06:04<19:37, 60.50it/s]
Training Step:
                29%1
                             | 28789/100000 [06:04<19:37, 60.46it/s]
Training Step:
                29%1
Training Step:
                             28796/100000 [06:04<20:21, 58.28it/s]
                29%1
Training Step:
                29%1
                             | 28802/100000 [06:05<20:28, 57.97it/s]
Training Step:
                29%1
                             | 28808/100000 [06:05<20:20, 58.33it/s]
Training Step:
                29%1
                             | 28815/100000 [06:05<19:56,
59.49it/s][INFO] Episode ended! Scenario Index: 1016 Reason:
out_of_road.
                             28822/100000 [06:05<23:49, 49.79it/s]
Training Step:
                29%
Training Step:
                             28830/100000 [06:05<21:20, 55.59it/s]
                29%
Training Step:
                29%1
                             28837/100000 [06:05<20:01, 59.20it/s]
Training Step:
                             | 28844/100000 [06:05<19:12, 61.73it/s]
                29%
                             | 28851/100000 [06:05<18:47, 63.12it/s]
Training Step:
                29%
Training Step:
                29%|
                             | 28858/100000 [06:06<18:26, 64.32it/s]
                             28865/100000 [06:06<18:16, 64.89it/s]
Training Step:
                29%1
Training Step:
                29%1
                             | 28872/100000 [06:06<18:19, 64.69it/s]
Training Step:
                             28879/100000 [06:06<18:00, 65.85it/s]
                29%1
                             | 28886/100000 [06:06<18:40, 63.45it/s]
Training Step:
                29%1
Training Step:
                29%1
                             28893/100000 [06:06<18:42, 63.36it/s]
                             | 28900/100000 [06:06<18:57, 62.50it/s]
Training Step:
                29%1
Training Step:
                29%1
                             | 28907/100000 [06:06<18:53,
```

62.72it/s][INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle

```
Training Step:
                29%|
                             28914/100000 [06:06<21:39, 54.72it/s]
Training Step:
                             28922/100000 [06:07<19:50, 59.72it/s]
                29%1
Training Step:
                29%|
                             28929/100000 [06:07<19:29, 60.80it/s]
Training Step:
                29%|
                             | 28936/100000 [06:07<19:27, 60.88it/s]
Training Step:
                29%1
                             | 28943/100000 [06:07<18:43, 63.22it/s]
Training Step:
                             28950/100000 [06:07<18:47, 63.01it/s]
                29%|
Training Step:
                29%|
                             | 28957/100000 [06:07<18:47, 63.02it/s]
                29%1
                             | 28964/100000 [06:07<18:46, 63.04it/s]
Training Step:
Training Step:
                             | 28971/100000 [06:07<18:52, 62.71it/s]
                29%
                             | 28978/100000 [06:07<19:48, 59.76it/s]
Training Step:
                29%|
Training Step:
                             28985/100000 [06:08<20:06, 58.88it/s]
                29%1
Training Step:
                29%1
                             | 28991/100000 [06:08<20:02,
59.05it/s][INFO] Episode ended! Scenario Index: 1002 Reason: crash
```

vehicle

```
Training Step:
                29%|
                             28997/100000 [06:08<23:09, 51.11it/s]
Training Step:
                29%1
                             29004/100000 [06:08<21:38, 54.67it/s]
                             29012/100000 [06:08<19:53, 59.48it/s]
Training Step:
                29%|
Training Step:
                             | 29020/100000 [06:08<18:59, 62.29it/s]
                29%|
Training Step:
                29%1
                             29027/100000 [06:08<18:23, 64.34it/s]
Training Step:
                29%|
                             29034/100000 [06:08<18:14, 64.83it/s]
Training Step:
                29%|
                             | 29041/100000 [06:08<18:08, 65.18it/s]
Training Step:
                             | 29048/100000 [06:09<17:46, 66.54it/s]
                29%1
                             29055/100000 [06:09<17:33, 67.34it/s]
Training Step:
                29%|
                             | 29062/100000 [06:09<18:00, 65.66it/s]
Training Step:
                29%|
Training Step:
                             29069/100000 [06:09<17:55, 65.92it/s]
                29%|
Training Step:
                29%|
                             | 29076/100000 [06:09<18:15, 64.76it/s]
Training Step:
                29%|
                             | 29083/100000 [06:09<17:57, 65.79it/s]
Training Step:
                29%|
                             | 29090/100000 [06:09<18:11, 64.95it/s]
Training Step:
                29%|
                             | 29097/100000 [06:09<18:25, 64.14it/s]
Training Step:
                29%|
                             29104/100000 [06:09<19:18, 61.22it/s]
Training Step:
                             29111/100000 [06:10<19:04, 61.93it/s]
                29%|
                             29118/100000 [06:10<20:28, 57.70it/s]
Training Step:
                29%|
Training Step:
                29%
                             | 29124/100000 [06:10<21:38,
```

54.59it/s][INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.

```
Training Step:
                29%|
                             | 29130/100000 [06:10<24:47, 47.66it/s]
                             | 29138/100000 [06:10<21:37, 54.61it/s]
Training Step:
                29%1
Training Step:
                29%|
                             | 29146/100000 [06:10<19:31, 60.46it/s]
Training Step:
                             29154/100000 [06:10<18:19, 64.41it/s]
                29%
                             | 29161/100000 [06:10<18:26, 64.02it/s]
Training Step:
                29%|
Training Step:
                29%|
                             29168/100000 [06:11<18:51, 62.58it/s]
Training Step:
                29%|
                             | 29175/100000 [06:11<18:22, 64.24it/s]
Training Step:
                29%|
                             | 29182/100000 [06:11<18:31, 63.72it/s]
```

```
Training Step:
                             | 29189/100000 [06:11<18:19, 64.42it/s]
                29%|
                             | 29196/100000 [06:11<18:46, 62.84it/s]
Training Step:
                29%|
Training Step:
                29%1
                             | 29203/100000 [06:11<19:16, 61.20it/s]
Training Step:
                29%|
                             | 29210/100000 [06:11<19:49,
59.53it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
out of road.
                             | 29216/100000 [06:11<22:11, 53.15it/s]
Training Step:
                29%|
Training Step:
                             29224/100000 [06:12<19:55, 59.19it/s]
                29%|
Training Step:
                29%|
                             | 29232/100000 [06:12<18:25, 63.99it/s]
                29%1
                             | 29240/100000 [06:12<17:40, 66.71it/s]
Training Step:
Training Step:
                             | 29248/100000 [06:12<17:04, 69.03it/s]
                29%|
                             | 29256/100000 [06:12<16:51, 69.94it/s]
Training Step:
                29%1
Training Step:
                             29264/100000 [06:12<16:42, 70.58it/s]
                29%
                             | 29272/100000 [06:12<16:45, 70.37it/s]
Training Step:
                29%|
Training Step:
                29%|
                             | 29280/100000 [06:12<16:59, 69.39it/s]
Training Step:
                29%|
                             | 29288/100000 [06:12<16:50,
69.99it/s][INFO] Episode ended! Scenario Index: 1009 Reason: crash
vehicle
Training Step:
                29%|
                             29296/100000 [06:13<19:10, 61.45it/s]
Training Step:
                             | 29304/100000 [06:13<18:00, 65.41it/s]
                29%|
Training Step:
                29%|
                             | 29312/100000 [06:13<17:20, 67.97it/s]
Training Step:
                29%|
                             | 29320/100000 [06:13<17:04, 68.97it/s]
                             | 29328/100000 [06:13<17:02, 69.15it/s]
Training Step:
                29%|
                             | 29336/100000 [06:13<17:12, 68.46it/s]
Training Step:
                29%1
                             | 29343/100000 [06:13<17:07, 68.78it/s]
Training Step:
                29%|
Training Step:
                29%1
                             | 29350/100000 [06:13<17:31,
67.16it/s][INFO] Episode ended! Scenario Index: 1010 Reason:
out_of_road.
Training Step:
                29%1
                             | 29357/100000 [06:13<20:31, 57.34it/s]
Training Step:
                29%|
                             | 29365/100000 [06:14<19:00, 61.94it/s]
Training Step:
                29%|
                             29372/100000 [06:14<18:45, 62.73it/s]
Training Step:
                             29380/100000 [06:14<17:52, 65.87it/s]
                29%|
                             29387/100000 [06:14<17:36, 66.82it/s]
Training Step:
                29%|
Training Step:
                             29394/100000 [06:14<18:05, 65.06it/s]
                29%|
Training Step:
                29%1
                             | 29401/100000 [06:14<17:45, 66.27it/s]
Training Step:
                             | 29408/100000 [06:14<17:47,
                29%|
66.13it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
out_of_road.
Training Step:
                29%1
                             | 29415/100000 [06:14<20:58, 56.09it/s]
                             | 29423/100000 [06:15<19:21, 60.77it/s]
Training Step:
                29%|
                             | 29431/100000 [06:15<18:04, 65.06it/s]
Training Step:
                29%|
Training Step:
                29%|
                             | 29438/100000 [06:15<18:16, 64.33it/s]
                             | 29445/100000 [06:15<19:08, 61.42it/s]
Training Step:
                29%|
Training Step:
                29%|
                             | 29452/100000 [06:15<19:36, 59.98it/s]
```

```
Training Step:
                29%|
                             | 29459/100000 [06:15<20:01, 58.73it/s]
                             | 29465/100000 [06:15<20:29, 57.38it/s]
Training Step:
                29%|
Training Step:
                29%1
                             | 29471/100000 [06:15<20:35, 57.07it/s]
Training Step:
                29%|
                             29477/100000 [06:15<20:41, 56.79it/s]
Training Step:
                             29483/100000 [06:16<20:49, 56.45it/s]
                29%1
Training Step:
                29%|
                             29489/100000 [06:16<20:53, 56.26it/s]
Training Step:
                29%
                             29495/100000 [06:16<21:04, 55.74it/s]
Training Step:
                30%1
                             29501/100000 [06:16<21:33, 54.49it/s]
Training Step:
                             29507/100000 [06:16<21:43, 54.07it/s]
                30%|
                             | 29513/100000 [06:16<21:47, 53.92it/s]
Training Step:
                30%|
                30%|
                             | 29519/100000 [06:16<21:49, 53.82it/s]
Training Step:
Training Step:
                             | 29525/100000 [06:16<21:37,
                30%1
54.32it/s][INFO] Episode ended! Scenario Index: 1003 Reason:
out_of_road.
Training Step:
                30%1
                             | 29531/100000 [06:17<25:48, 45.50it/s]
Training Step:
                30%1
                             | 29538/100000 [06:17<22:58, 51.13it/s]
Training Step:
                30%1
                             | 29546/100000 [06:17<20:58, 55.98it/s]
Training Step:
                30%|
                             29553/100000 [06:17<20:06, 58.41it/s]
Training Step:
                30%1
                             29560/100000 [06:17<20:39, 56.82it/s]
                             29566/100000 [06:17<20:43, 56.64it/s]
Training Step:
                30%|
Training Step:
                             29572/100000 [06:17<20:50, 56.33it/s]
                30%|
Training Step:
                30%|
                             29578/100000 [06:17<21:01, 55.85it/s]
Training Step:
                30%|
                             | 29584/100000 [06:17<20:59, 55.90it/s]
                             | 29590/100000 [06:18<21:25, 54.75it/s]
Training Step:
                30%|
                             | 29596/100000 [06:18<21:27, 54.69it/s]
Training Step:
                30%|
                             29602/100000 [06:18<21:34, 54.36it/s]
Training Step:
                30%|
                             | 29608/100000 [06:18<21:55, 53.49it/s]
Training Step:
                30%1
Training Step:
                             29614/100000 [06:18<21:50, 53.72it/s]
                30%|
Training Step:
                30%1
                             | 29620/100000 [06:18<21:51, 53.68it/s]
Training Step:
                30%1
                             | 29626/100000 [06:18<21:51, 53.64it/s]
Training Step:
                30%|
                             | 29632/100000 [06:18<21:38, 54.20it/s]
Training Step:
                30%1
                             | 29638/100000 [06:18<21:32, 54.45it/s]
Training Step:
                30%|
                             29644/100000 [06:19<21:17, 55.08it/s]
Training Step:
                             29650/100000 [06:19<21:14, 55.22it/s]
                30%|
                             29656/100000 [06:19<20:53, 56.10it/s]
Training Step:
                30%|
                             | 29662/100000 [06:19<20:40, 56.71it/s]
Training Step:
                30%|
Training Step:
                30%1
                             29668/100000 [06:19<20:38, 56.80it/s]
Training Step:
                30%|
                             | 29674/100000 [06:19<21:03, 55.68it/s]
Training Step:
                30%|
                             29680/100000 [06:19<21:10,
55.33it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
out_of_road.
                             29686/100000 [06:19<24:53, 47.08it/s]
Training Step:
                30%|
                             | 29695/100000 [06:19<20:44, 56.51it/s]
Training Step:
                30%|
Training Step:
                30%|
                             | 29704/100000 [06:20<18:32, 63.18it/s]
Training Step:
                30%|
                             | 29712/100000 [06:20<17:32, 66.77it/s]
Training Step:
                30%1
                             | 29720/100000 [06:20<17:23, 67.33it/s]
```

```
Training Step:
                             | 29728/100000 [06:20<17:13, 68.00it/s]
Training Step:
                30%|
                             | 29735/100000 [06:20<17:08, 68.32it/s]
Training Step:
                30%|
                             | 29742/100000 [06:20<17:10, 68.19it/s]
Training Step:
                30%|
                             29749/100000 [06:20<17:05, 68.51it/s]
Training Step:
                             29756/100000 [06:20<17:22, 67.39it/s]
                30%1
Training Step:
                30%|
                             29764/100000 [06:20<17:11, 68.08it/s]
                             | 29771/100000 [06:21<17:09, 68.23it/s]
Training Step:
                30%|
Training Step:
                30%1
                             29778/100000 [06:21<17:30, 66.83it/s]
Training Step:
                30%|
                             | 29785/100000 [06:21<17:31,
66.78it/s][INFO] Episode ended! Scenario Index: 1013 Reason:
out_of_road.
                             | 29792/100000 [06:21<20:23, 57.37it/s]
Training Step:
                30%|
Training Step:
                             29800/100000 [06:21<18:48, 62.23it/s]
                30%|
                             | 29808/100000 [06:21<17:50, 65.56it/s]
Training Step:
                30%|
Training Step:
                30%|
                             | 29816/100000 [06:21<17:20, 67.46it/s]
Training Step:
                30%|
                             | 29824/100000 [06:21<17:10, 68.09it/s]
Training Step:
                30%|
                             | 29832/100000 [06:21<16:50, 69.45it/s]
Training Step:
                30%|
                             29840/100000 [06:22<16:33, 70.60it/s]
Training Step:
                30%1
                             29848/100000 [06:22<16:43, 69.91it/s]
                             29856/100000 [06:22<16:34, 70.55it/s]
Training Step:
                30%1
Training Step:
                30%|
                             | 29864/100000 [06:22<16:59,
68.79it/s][INFO] Episode ended! Scenario Index: 1009 Reason: crash
vehicle
                             | 29871/100000 [06:22<19:44, 59.20it/s]
Training Step:
                30%|
                             | 29878/100000 [06:22<19:03, 61.31it/s]
Training Step:
                30%|
                             | 29886/100000 [06:22<18:18, 63.85it/s]
Training Step:
                30%|
                             29893/100000 [06:22<17:50, 65.47it/s]
Training Step:
                30%|
Training Step:
                30%|
                             | 29900/100000 [06:22<17:53, 65.28it/s]
Training Step:
                30%|
                             | 29908/100000 [06:23<17:32, 66.59it/s]
Training Step:
                30%|
                             | 29916/100000 [06:23<16:59, 68.77it/s]
Training Step:
                30%|
                             | 29924/100000 [06:23<16:44, 69.76it/s]
Training Step:
                30%|
                             29932/100000 [06:23<16:56, 68.96it/s]
Training Step:
                             29939/100000 [06:23<17:02, 68.50it/s]
                30%|
                             29946/100000 [06:23<17:22, 67.23it/s]
Training Step:
                30%|
Training Step:
                             29953/100000 [06:23<17:36, 66.33it/s]
                30%|
Training Step:
                30%1
                             | 29960/100000 [06:23<18:29,
63.11it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
out_of_road.
                30%|
                             | 29967/100000 [06:24<21:50, 53.46it/s]
Training Step:
Training Step:
                30%|
                             | 29975/100000 [06:24<19:57, 58.49it/s]
                             | 29982/100000 [06:24<19:11, 60.78it/s]
Training Step:
                30%|
                             | 29989/100000 [06:24<18:36, 62.72it/s]
Training Step:
                30%|
Training Step:
                30%|
                             | 29996/100000 [06:24<19:24, 60.12it/s]
Training Step:
                30%|
                             | 30003/100000 [06:24<21:06, 55.26it/s]
Training Step:
                30%|
                             | 30009/100000 [06:24<21:20, 54.67it/s]
```

```
30%1
                             | 30021/100000 [06:24<21:10, 55.08it/s]
Training Step:
Training Step:
                30%|
                             | 30027/100000 [06:25<21:22, 54.56it/s]
Training Step:
                30%|
                             | 30033/100000 [06:25<21:29, 54.27it/s]
Training Step:
                30%1
                             | 30039/100000 [06:25<22:04,
52.80it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
out of road.
Training Step:
                             | 30045/100000 [06:25<25:29, 45.74it/s]
                30%|
                             | 30053/100000 [06:25<21:45, 53.56it/s]
Training Step:
                30%|
Training Step:
                30%|
                             | 30060/100000 [06:25<20:41, 56.33it/s]
Training Step:
                30%|
                             | 30066/100000 [06:25<21:05, 55.26it/s]
                             | 30072/100000 [06:25<20:53, 55.78it/s]
Training Step:
                30%|
Training Step:
                             | 30078/100000 [06:26<20:38, 56.47it/s]
                30%|
                             | 30084/100000 [06:26<20:30, 56.82it/s]
Training Step:
                30%|
Training Step:
                30%|
                             | 30091/100000 [06:26<19:50, 58.72it/s]
Training Step:
                30%|
                             | 30098/100000 [06:26<19:43, 59.07it/s]
Training Step:
                30%|
                             | 30105/100000 [06:26<19:16, 60.42it/s]
Training Step:
                30%1
                             | 30112/100000 [06:26<19:17,
60.40it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
out of road.
Training Step:
                30%|
                             30119/100000 [06:26<22:48, 51.08it/s]
Training Step:
                30%|
                             | 30127/100000 [06:26<20:35, 56.57it/s]
Training Step:
                             | 30135/100000 [06:27<19:09, 60.79it/s]
                30%|
Training Step:
                30%|
                             | 30142/100000 [06:27<19:33, 59.54it/s]
                             | 30149/100000 [06:27<19:14, 60.51it/s]
Training Step:
                30%|
                             | 30156/100000 [06:27<19:18, 60.31it/s]
Training Step:
                30%1
Training Step:
                             | 30163/100000 [06:27<19:03, 61.10it/s]
                30%|
Training Step:
                30%|
                             | 30170/100000 [06:27<19:13, 60.56it/s]
Training Step:
                30%|
                             | 30177/100000 [06:27<18:56, 61.44it/s]
Training Step:
                30%|
                             | 30184/100000 [06:27<19:41, 59.11it/s]
Training Step:
                30%|
                             | 30190/100000 [06:27<19:39, 59.19it/s]
Training Step:
                30%|
                             | 30196/100000 [06:28<19:44, 58.93it/s]
Training Step:
                             | 30202/100000 [06:28<20:01, 58.09it/s]
                30%|
                             | 30209/100000 [06:28<19:37, 59.27it/s]
Training Step:
                30%|
Training Step:
                             | 30215/100000 [06:28<19:39, 59.15it/s]
                30%|
Training Step:
                30%1
                             | 30222/100000 [06:28<19:35, 59.36it/s]
Training Step:
                             | 30228/100000 [06:28<19:35,
                30%|
59.37it/s][INFO] Episode ended! Scenario Index: 1004 Reason:
out_of_road.
Training Step:
                30%|
                             | 30234/100000 [06:28<23:48, 48.85it/s]
Training Step:
                30%|
                             | 30242/100000 [06:28<20:59, 55.39it/s]
                             | 30250/100000 [06:28<19:53, 58.43it/s]
Training Step:
                30%|
Training Step:
                30%|
                             | 30257/100000 [06:29<20:08, 57.70it/s]
Training Step:
                30%|
                             | 30263/100000 [06:29<20:42, 56.12it/s]
Training Step:
                30%|
                             | 30269/100000 [06:29<20:51, 55.72it/s]
```

| 30015/100000 [06:24<21:30, 54.23it/s]

Training Step:

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Training Step:
                30%|
                             | 30275/100000 [06:29<21:25, 54.23it/s]
                             | 30281/100000 [06:29<22:10, 52.41it/s]
                30%1
Training Step:
Training Step:
                30%1
                             | 30287/100000 [06:29<22:16, 52.14it/s]
Training Step:
                30%|
                             | 30293/100000 [06:29<21:59, 52.83it/s]
Training Step:
                             | 30299/100000 [06:29<21:36,
                30%1
53.75it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
out of road.
Training Step:
                             | 30305/100000 [06:30<23:55, 48.54it/s]
                30%|
Training Step:
                30%|
                             | 30313/100000 [06:30<20:38, 56.29it/s]
Training Step:
                30%|
                             | 30321/100000 [06:30<19:05, 60.82it/s]
Training Step:
                30%1
                             | 30328/100000 [06:30<18:26, 62.96it/s]
                             | 30335/100000 [06:30<17:56, 64.73it/s]
Training Step:
                30%|
Training Step:
                             | 30342/100000 [06:30<17:49, 65.12it/s]
                30%1
                             | 30350/100000 [06:30<17:24, 66.69it/s]
Training Step:
                30%1
Training Step:
                30%1
                             | 30357/100000 [06:30<17:21, 66.87it/s]
Training Step:
                30%1
                             | 30364/100000 [06:30<17:19, 67.00it/s]
Training Step:
                30%1
                             | 30371/100000 [06:31<17:17, 67.09it/s]
Training Step:
                30%|
                             | 30378/100000 [06:31<17:43, 65.48it/s]
Training Step:
                30%1
                             | 30386/100000 [06:31<17:28, 66.40it/s]
                             | 30393/100000 [06:31<18:13, 63.67it/s]
Training Step:
                30%|
Training Step:
                             | 30400/100000 [06:31<19:10, 60.50it/s]
                30%|
Training Step:
                30%1
                             | 30407/100000 [06:31<19:48,
58.58it/s][INFO] Episode ended! Scenario Index: 1010 Reason: crash
vehicle
                             | 30413/100000 [06:31<22:37, 51.26it/s]
Training Step:
                30%1
                             | 30421/100000 [06:31<20:14, 57.31it/s]
Training Step:
                30%1
                             | 30429/100000 [06:31<18:39, 62.16it/s]
Training Step:
                30%1
Training Step:
                30%1
                             | 30436/100000 [06:32<18:14, 63.56it/s]
Training Step:
                30%1
                             | 30443/100000 [06:32<18:22, 63.08it/s]
Training Step:
                30%1
                             | 30450/100000 [06:32<18:51, 61.45it/s]
Training Step:
                30%1
                             | 30457/100000 [06:32<18:46, 61.75it/s]
Training Step:
                30%|
                             | 30464/100000 [06:32<18:50, 61.49it/s]
Training Step:
                             | 30471/100000 [06:32<18:48, 61.62it/s]
                30%|
                             | 30478/100000 [06:32<19:07, 60.60it/s]
Training Step:
                30%|
Training Step:
                             | 30485/100000 [06:32<19:02, 60.84it/s]
                30%|
Training Step:
                30%1
                             | 30492/100000 [06:33<19:34, 59.16it/s]
Training Step:
                30%|
                             | 30498/100000 [06:33<19:33, 59.22it/s]
Training Step:
                             | 30504/100000 [06:33<19:29, 59.44it/s]
                31%|
Training Step:
                31%|
                             | 30510/100000 [06:33<19:29, 59.43it/s]
Training Step:
                31%|
                             | 30516/100000 [06:33<19:42, 58.75it/s]
Training Step:
                31%|
                             | 30522/100000 [06:33<19:38, 58.94it/s]
Training Step:
                             | 30529/100000 [06:33<19:13, 60.23it/s]
                31%|
                             | 30536/100000 [06:33<19:32, 59.26it/s]
Training Step:
                31%|
Training Step:
                31%|
                             | 30543/100000 [06:33<19:10,
60.36it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
out_of_road.
```

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Training Step:
                31%|
                             | 30566/100000 [06:34<17:36, 65.73it/s]
Training Step:
                31%|
                             | 30573/100000 [06:34<17:23,
66.54it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
out of road.
Training Step:
                             | 30580/100000 [06:34<20:19, 56.94it/s]
                31%|
Training Step:
                31%|
                             | 30588/100000 [06:34<18:45, 61.69it/s]
Training Step:
                             | 30596/100000 [06:34<17:53, 64.62it/s]
                31%|
Training Step:
                             | 30603/100000 [06:34<17:33, 65.88it/s]
                31%|
                             | 30611/100000 [06:34<16:45, 69.01it/s]
Training Step:
                31%|
Training Step:
                             | 30619/100000 [06:35<16:18, 70.90it/s]
                31%|
                             | 30627/100000 [06:35<16:02, 72.04it/s]
Training Step:
                31%|
Training Step:
                31%|
                             | 30635/100000 [06:35<15:38, 73.88it/s]
Training Step:
                31%|
                             | 30643/100000 [06:35<15:22, 75.21it/s]
Training Step:
                31%|
                             | 30651/100000 [06:35<15:49, 73.00it/s]
Training Step:
                31%|
                             | 30659/100000 [06:35<16:01, 72.12it/s]
                             | 30667/100000 [06:35<16:06, 71.71it/s]
Training Step:
                31%|
Training Step:
                31%|
                             | 30675/100000 [06:35<16:02, 72.02it/s]
Training Step:
                             | 30683/100000 [06:35<16:10, 71.45it/s]
                31%|
Training Step:
                31%|
                             | 30691/100000 [06:36<16:27, 70.18it/s]
                             | 30699/100000 [06:36<16:19, 70.78it/s]
Training Step:
                31%|
Training Step:
                31%|
                             30707/100000 [06:36<16:16,
70.98it/s][INFO] Episode ended! Scenario Index: 1019 Reason:
out_of_road.
Training Step:
                             | 30715/100000 [06:36<17:42, 65.20it/s]
                31%|
Training Step:
                31%|
                             | 30724/100000 [06:36<16:34, 69.64it/s]
                             | 30733/100000 [06:36<15:40, 73.66it/s]
Training Step:
                31%|
Training Step:
                31%|
                             | 30741/100000 [06:36<15:38, 73.78it/s]
Training Step:
                31%|
                             | 30750/100000 [06:36<15:19, 75.34it/s]
Training Step:
                31%|
                             | 30758/100000 [06:36<15:28, 74.57it/s]
Training Step:
                             | 30766/100000 [06:37<15:27, 74.63it/s]
                31%|
                             | 30774/100000 [06:37<15:24, 74.87it/s]
Training Step:
                31%|
Training Step:
                             | 30782/100000 [06:37<15:35, 74.02it/s]
                31%|
Training Step:
                31%|
                             | 30790/100000 [06:37<15:42, 73.43it/s]
Training Step:
                             | 30798/100000 [06:37<15:55,
                31%|
72.43it/s][INFO] Episode ended! Scenario Index: 1014 Reason:
out_of_road.
Training Step:
                31%|
                             | 30806/100000 [06:37<18:18, 62.98it/s]
Training Step:
                             | 30814/100000 [06:37<17:19, 66.59it/s]
                31%|
                             | 30822/100000 [06:37<16:55, 68.14it/s]
Training Step:
                31%|
Training Step:
                31%|
                             | 30829/100000 [06:38<17:46, 64.83it/s]
Training Step:
                31%|
                             | 30836/100000 [06:38<19:18, 59.72it/s]
Training Step:
                31%|
                             | 30843/100000 [06:38<20:00, 57.61it/s]
```

Training Step:

Training Step:

31%|

31%|

| 30550/100000 [06:34<20:51, 55.48it/s]

| 30558/100000 [06:34<18:45, 61.67it/s]

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Training Step:
                             | 30849/100000 [06:38<20:16, 56.84it/s]
                31%|
                             | 30855/100000 [06:38<20:14, 56.92it/s]
Training Step:
                31%|
Training Step:
                31%|
                             | 30861/100000 [06:38<19:57, 57.75it/s]
Training Step:
                31%|
                             | 30867/100000 [06:38<19:57, 57.73it/s]
Training Step:
                             | 30873/100000 [06:38<20:10, 57.08it/s]
                31%|
Training Step:
                31%|
                             | 30879/100000 [06:38<20:20,
56.63it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
out of road.
                             | 30885/100000 [06:39<23:06, 49.83it/s]
Training Step:
                31%|
                             | 30892/100000 [06:39<20:55, 55.06it/s]
Training Step:
                31%|
Training Step:
                             | 30900/100000 [06:39<19:05, 60.33it/s]
                31%|
                             | 30908/100000 [06:39<17:54, 64.30it/s]
Training Step:
                31%|
                             | 30916/100000 [06:39<17:25, 66.08it/s]
Training Step:
                31%|
                             | 30924/100000 [06:39<17:00, 67.68it/s]
Training Step:
                31%|
Training Step:
                             | 30932/100000 [06:39<16:38, 69.17it/s]
                31%|
Training Step:
                31%|
                             | 30940/100000 [06:39<16:33, 69.48it/s]
Training Step:
                31%|
                             | 30947/100000 [06:39<16:45, 68.67it/s]
Training Step:
                31%|
                             | 30954/100000 [06:40<17:10, 66.98it/s]
Training Step:
                31%|
                             | 30961/100000 [06:40<17:34, 65.45it/s]
                             | 30968/100000 [06:40<17:52, 64.38it/s]
Training Step:
                31%|
Training Step:
                             | 30975/100000 [06:40<18:15, 63.03it/s]
                31%|
Training Step:
                31%|
                             | 30982/100000 [06:40<18:18, 62.84it/s]
Training Step:
                             | 30989/100000 [06:40<18:08, 63.41it/s]
                31%|
Training Step:
                31%|
                             30996/100000 [06:40<18:18,
62.80it/s][INFO] Episode ended! Scenario Index: 1013 Reason:
out_of_road.
Training Step:
                             | 31003/100000 [06:40<21:16, 54.04it/s]
                31%|
Training Step:
                31%|
                             | 31011/100000 [06:41<19:20, 59.44it/s]
Training Step:
                31%|
                             | 31019/100000 [06:41<18:10, 63.28it/s]
Training Step:
                31%|
                             | 31026/100000 [06:41<17:59, 63.87it/s]
Training Step:
                31%|
                             | 31033/100000 [06:41<17:43, 64.83it/s]
Training Step:
                31%|
                             | 31040/100000 [06:41<17:35, 65.36it/s]
                             | 31047/100000 [06:41<17:28, 65.74it/s]
Training Step:
                31%|
Training Step:
                             | 31054/100000 [06:41<17:36, 65.28it/s]
                31%|
Training Step:
                             | 31061/100000 [06:41<17:29, 65.69it/s]
                31%|
Training Step:
                31%|
                             | 31068/100000 [06:41<17:36, 65.24it/s]
Training Step:
                             | 31075/100000 [06:41<17:29, 65.66it/s]
                31%|
Training Step:
                             | 31082/100000 [06:42<17:54, 64.15it/s]
                31%|
Training Step:
                31%|
                             | 31089/100000 [06:42<17:47, 64.53it/s]
                             | 31096/100000 [06:42<18:15, 62.87it/s]
Training Step:
                31%|
Training Step:
                31%|
                             | 31103/100000 [06:42<18:08,
63.27it/s][INFO] Episode ended! Scenario Index: 1006 Reason: crash
vehicle
Training Step:
                31%|
                             | 31110/100000 [06:42<21:00, 54.65it/s]
Training Step:
                31%|
                             | 31118/100000 [06:42<18:55, 60.67it/s]
```

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Training Step:
                             | 31126/100000 [06:42<17:45, 64.63it/s]
                31%|
Training Step:
                31%|
                             | 31134/100000 [06:42<17:13, 66.61it/s]
Training Step:
                31%|
                             | 31142/100000 [06:43<17:05, 67.15it/s]
Training Step:
                31%|
                             | 31150/100000 [06:43<16:46, 68.40it/s]
Training Step:
                             | 31158/100000 [06:43<16:38, 68.93it/s]
                31%|
Training Step:
                31%|
                             | 31166/100000 [06:43<16:33, 69.31it/s]
Training Step:
                31%|
                             | 31174/100000 [06:43<16:34, 69.20it/s]
Training Step:
                31%|
                             | 31181/100000 [06:43<16:34, 69.23it/s]
Training Step:
                             | 31188/100000 [06:43<16:36, 69.06it/s]
                31%|
Training Step:
                31%|
                             | 31196/100000 [06:43<16:36, 69.03it/s]
                             | 31203/100000 [06:43<17:08, 66.87it/s]
Training Step:
                31%|
Training Step:
                             | 31210/100000 [06:44<17:46, 64.51it/s]
                31%|
                             | 31217/100000 [06:44<18:07, 63.24it/s]
Training Step:
                31%|
                             | 31224/100000 [06:44<18:45,
Training Step:
                31%|
61.08it/s][INFO] Episode ended! Scenario Index: 1010 Reason: crash
vehicle
Training Step:
                31%|
                             | 31231/100000 [06:44<22:01, 52.04it/s]
Training Step:
                31%|
                             | 31238/100000 [06:44<20:41, 55.40it/s]
Training Step:
                31%|
                             | 31246/100000 [06:44<19:15, 59.49it/s]
                             | 31253/100000 [06:44<19:17, 59.39it/s]
Training Step:
                31%|
Training Step:
                             | 31260/100000 [06:44<19:46, 57.93it/s]
                31%|
Training Step:
                31%|
                            | 31266/100000 [06:45<19:49, 57.78it/s]
Training Step:
                            | 31272/100000 [06:45<19:53, 57.60it/s]
                31%|
Training Step:
                31%|
                            | 31278/100000 [06:45<20:21, 56.26it/s]
                             | 31284/100000 [06:45<20:42, 55.32it/s]
Training Step:
                31%|
Training Step:
                31%|
                             | 31290/100000 [06:45<20:20, 56.29it/s]
Training Step:
                31%|
                             | 31296/100000 [06:45<20:42,
55.32it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
out_of_road.
                             | 31302/100000 [06:45<23:53, 47.93it/s]
Training Step:
                31%|
Training Step:
                31%|
                             | 31310/100000 [06:45<20:47, 55.05it/s]
Training Step:
                31%|
                            | 31318/100000 [06:45<18:50, 60.78it/s]
Training Step:
                            | 31326/100000 [06:46<17:43, 64.56it/s]
                31%|
                            | 31334/100000 [06:46<16:46, 68.23it/s]
Training Step:
                31%|
Training Step:
                            | 31342/100000 [06:46<16:35, 69.00it/s]
                31%|
Training Step:
                31%|
                            | 31350/100000 [06:46<16:19, 70.12it/s]
Training Step:
                            | 31358/100000 [06:46<16:08, 70.90it/s]
                31%|
                             | 31366/100000 [06:46<15:52, 72.03it/s]
Training Step:
                31%|
Training Step:
                31%|
                            | 31374/100000 [06:46<15:47, 72.44it/s]
Training Step:
                             | 31382/100000 [06:46<15:46, 72.52it/s]
                31%|
Training Step:
                31%|
                             | 31390/100000 [06:46<15:45,
72.59it/s][INFO] Episode ended! Scenario Index: 1001 Reason:
out_of_road.
Training Step:
                31%|
                             | 31398/100000 [06:47<18:46, 60.91it/s]
Training Step:
                31%|
                             | 31406/100000 [06:47<17:29, 65.37it/s]
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Training Step:
                             | 31415/100000 [06:47<16:23, 69.77it/s]
                31%|
                             | 31423/100000 [06:47<17:08, 66.65it/s]
Training Step:
                31%|
Training Step:
                31%|
                             | 31430/100000 [06:47<18:09, 62.96it/s]
Training Step:
                31%|
                            | 31437/100000 [06:47<18:32, 61.61it/s]
Training Step:
                             | 31444/100000 [06:47<19:04, 59.91it/s]
                31%|
Training Step:
                31%|
                            | 31451/100000 [06:47<19:10, 59.59it/s]
Training Step:
                31%|
                             | 31458/100000 [06:48<19:43, 57.93it/s]
Training Step:
                31%|
                             | 31464/100000 [06:48<19:56, 57.29it/s]
Training Step:
                             | 31470/100000 [06:48<19:44, 57.85it/s]
                31%|
Training Step:
                31%|
                             | 31476/100000 [06:48<20:01, 57.04it/s]
Training Step:
                31%|
                             | 31482/100000 [06:48<20:03,
56.91it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
out_of_road.
Training Step:
                31%|
                             | 31488/100000 [06:48<24:01, 47.54it/s]
Training Step:
                31%|
                             | 31496/100000 [06:48<20:47, 54.89it/s]
Training Step:
                32%|
                             | 31504/100000 [06:48<18:58, 60.14it/s]
Training Step:
                32%|
                            | 31512/100000 [06:48<17:46, 64.23it/s]
Training Step:
                32%|
                            | 31520/100000 [06:49<17:06, 66.69it/s]
Training Step:
                32%1
                            | 31528/100000 [06:49<16:59, 67.16it/s]
Training Step:
                32%|
                             | 31536/100000 [06:49<16:45, 68.07it/s]
Training Step:
                             | 31544/100000 [06:49<16:22, 69.70it/s]
                32%|
Training Step:
                32%1
                             | 31552/100000 [06:49<16:43, 68.21it/s]
Training Step:
                32%|
                             | 31560/100000 [06:49<16:37,
68.62it/s][INFO] Episode ended! Scenario Index: 1009 Reason: crash
vehicle
Training Step:
                32%|
                             | 31568/100000 [06:49<19:08, 59.60it/s]
                             | 31576/100000 [06:49<18:02, 63.18it/s]
Training Step:
                32%|
Training Step:
                32%1
                             | 31584/100000 [06:50<17:14, 66.11it/s]
Training Step:
                32%1
                             | 31592/100000 [06:50<16:56, 67.28it/s]
Training Step:
                32%1
                             | 31599/100000 [06:50<17:09, 66.42it/s]
Training Step:
                32%|
                             | 31606/100000 [06:50<17:27, 65.27it/s]
Training Step:
                32%|
                            | 31613/100000 [06:50<17:27, 65.31it/s]
Training Step:
                             | 31620/100000 [06:50<17:54, 63.62it/s]
                32%|
                             | 31627/100000 [06:50<18:03, 63.12it/s]
Training Step:
                32%|
Training Step:
                             | 31634/100000 [06:50<18:23, 61.95it/s]
                32%|
Training Step:
                32%1
                             | 31641/100000 [06:50<18:03, 63.11it/s]
Training Step:
                             | 31648/100000 [06:51<18:14, 62.42it/s]
                32%|
Training Step:
                32%|
                             | 31655/100000 [06:51<18:14, 62.45it/s]
Training Step:
                32%|
                            | 31662/100000 [06:51<18:25, 61.80it/s]
Training Step:
                32%1
                             | 31669/100000 [06:51<18:09, 62.72it/s]
Training Step:
                32%|
                            | 31676/100000 [06:51<18:32, 61.39it/s]
                             | 31683/100000 [06:51<18:28, 61.63it/s]
Training Step:
                32%|
                             | 31690/100000 [06:51<18:44, 60.76it/s]
Training Step:
                32%|
Training Step:
                32%|
                             | 31697/100000 [06:51<18:49, 60.48it/s]
Training Step:
                32%|
                             | 31704/100000 [06:52<19:22, 58.76it/s]
Training Step:
                32%|
                             | 31710/100000 [06:52<19:43, 57.72it/s]
```

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| 31722/100000 [06:52<20:02, 56.79it/s]
Training Step:
                32%|
Training Step:
                32%1
                             | 31728/100000 [06:52<20:32, 55.38it/s]
Training Step:
                32%|
                             | 31734/100000 [06:52<20:21, 55.88it/s]
Training Step:
                             | 31740/100000 [06:52<20:20, 55.94it/s]
                32%1
Training Step:
                32%|
                             | 31746/100000 [06:52<20:29, 55.51it/s]
Training Step:
                32%|
                             | 31752/100000 [06:52<20:52, 54.48it/s]
Training Step:
                32%|
                             | 31758/100000 [06:53<21:12, 53.63it/s]
Training Step:
                             | 31764/100000 [06:53<21:29, 52.91it/s]
                32%|
Training Step:
                32%|
                             | 31770/100000 [06:53<21:48, 52.14it/s]
                32%|
                             | 31776/100000 [06:53<22:08, 51.35it/s]
Training Step:
Training Step:
                             | 31782/100000 [06:53<22:19, 50.94it/s]
                32%|
                             | 31788/100000 [06:53<22:47, 49.89it/s]
Training Step:
                32%|
Training Step:
                             | 31793/100000 [06:53<22:50, 49.79it/s]
                32%1
                             | 31798/100000 [06:53<22:48, 49.82it/s]
Training Step:
                32%|
Training Step:
                32%1
                             | 31804/100000 [06:53<22:36, 50.28it/s]
Training Step:
                32%|
                             | 31810/100000 [06:54<22:27, 50.59it/s]
Training Step:
                32%1
                             | 31816/100000 [06:54<22:15, 51.07it/s]
Training Step:
                32%|
                             | 31822/100000 [06:54<21:59, 51.67it/s]
Training Step:
                32%1
                             | 31828/100000 [06:54<21:41, 52.37it/s]
                             | 31834/100000 [06:54<21:18, 53.30it/s]
Training Step:
                32%|
                             | 31840/100000 [06:54<20:49, 54.55it/s]
Training Step:
                32%|
Training Step:
                32%|
                             | 31846/100000 [06:54<20:49, 54.55it/s]
Training Step:
                32%|
                             | 31852/100000 [06:54<20:56, 54.25it/s]
Training Step:
                32%|
                             | 31858/100000 [06:54<21:24, 53.04it/s]
                             | 31864/100000 [06:55<21:10, 53.63it/s]
Training Step:
                32%|
                             | 31870/100000 [06:55<21:10, 53.61it/s]
Training Step:
                32%|
                             | 31876/100000 [06:55<21:24, 53.03it/s]
Training Step:
                32%1
                             | 31882/100000 [06:55<21:47, 52.08it/s]
Training Step:
                32%|
Training Step:
                32%1
                             | 31888/100000 [06:55<21:50, 51.97it/s]
Training Step:
                32%|
                             | 31894/100000 [06:55<21:42, 52.31it/s]
Training Step:
                32%1
                             | 31900/100000 [06:55<21:00, 54.03it/s]
Training Step:
                32%|
                             | 31906/100000 [06:55<20:56, 54.18it/s]
Training Step:
                32%|
                             | 31912/100000 [06:55<20:56, 54.19it/s]
Training Step:
                             | 31918/100000 [06:56<20:59, 54.07it/s]
                32%|
                             | 31924/100000 [06:56<20:45, 54.65it/s]
Training Step:
                32%|
Training Step:
                32%|
                             | 31930/100000 [06:56<20:25,
55.53it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
out_of_road.
Training Step:
                32%|
                             | 31936/100000 [06:56<24:10, 46.94it/s]
Training Step:
                32%1
                             | 31944/100000 [06:56<21:02, 53.88it/s]
Training Step:
                32%|
                             | 31952/100000 [06:56<19:10, 59.12it/s]
Training Step:
                             | 31959/100000 [06:56<18:23, 61.68it/s]
                32%|
                             | 31966/100000 [06:56<19:08, 59.25it/s]
Training Step:
                32%|
Training Step:
                32%|
                             | 31973/100000 [06:57<19:04, 59.42it/s]
Training Step:
                32%|
                             | 31980/100000 [06:57<19:19, 58.65it/s]
Training Step:
                32%|
                             | 31986/100000 [06:57<19:33, 57.93it/s]
```

| 31716/100000 [06:52<20:05, 56.65it/s]

Training Step:

```
Training Step:
                             | 31992/100000 [06:57<19:28, 58.18it/s]
                32%|
Training Step:
                32%|
                             | 31998/100000 [06:57<19:38, 57.72it/s]
Training Step:
                32%1
                             | 32004/100000 [06:57<20:46,
54.54it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
out of road.
Training Step:
                32%|
                             | 32010/100000 [06:57<23:41, 47.82it/s]
                             | 32019/100000 [06:57<19:48, 57.20it/s]
Training Step:
                32%1
Training Step:
                32%|
                            | 32027/100000 [06:57<18:08, 62.45it/s]
Training Step:
                32%|
                             | 32035/100000 [06:58<17:09, 65.99it/s]
                32%|
                             | 32043/100000 [06:58<16:31, 68.56it/s]
Training Step:
Training Step:
                             | 32051/100000 [06:58<16:07, 70.25it/s]
                32%|
                            | 32059/100000 [06:58<15:49, 71.57it/s]
Training Step:
                32%|
                             | 32067/100000 [06:58<15:34, 72.72it/s]
Training Step:
                32%|
                             | 32075/100000 [06:58<15:52, 71.34it/s]
Training Step:
                32%|
                32%|
                             | 32083/100000 [06:58<16:22, 69.13it/s]
Training Step:
Training Step:
                32%|
                             | 32090/100000 [06:58<16:34,
68.26it/s][INFO] Episode ended! Scenario Index: 1019 Reason:
out_of_road.
                             | 32097/100000 [06:58<19:19, 58.55it/s]
Training Step:
                32%|
Training Step:
                32%|
                             | 32105/100000 [06:59<17:52, 63.31it/s]
Training Step:
                32%|
                            | 32113/100000 [06:59<16:45, 67.51it/s]
Training Step:
                32%|
                            | 32120/100000 [06:59<16:40, 67.82it/s]
                            | 32127/100000 [06:59<16:54, 66.93it/s]
Training Step:
                32%|
                             | 32135/100000 [06:59<16:28, 68.67it/s]
Training Step:
                32%|
                            | 32142/100000 [06:59<16:28, 68.66it/s]
Training Step:
                32%|
                             | 32150/100000 [06:59<16:24, 68.94it/s]
Training Step:
                32%|
                            | 32158/100000 [06:59<16:05, 70.27it/s]
Training Step:
                32%|
Training Step:
                32%|
                             | 32166/100000 [06:59<16:37, 68.03it/s]
Training Step:
                32%|
                            | 32173/100000 [07:00<16:48, 67.29it/s]
Training Step:
                32%|
                             | 32180/100000 [07:00<17:23, 64.98it/s]
Training Step:
                32%|
                             | 32187/100000 [07:00<17:54, 63.09it/s]
Training Step:
                32%|
                             | 32194/100000 [07:00<18:29,
61.12it/s][INFO] Episode ended! Scenario Index: 1016 Reason:
out_of_road.
Training Step:
                32%|
                             | 32201/100000 [07:00<20:46, 54.41it/s]
Training Step:
                             | 32208/100000 [07:00<19:29, 57.96it/s]
                32%|
Training Step:
                32%|
                             | 32216/100000 [07:00<18:06, 62.38it/s]
Training Step:
                32%|
                            | 32224/100000 [07:00<16:58, 66.54it/s]
Training Step:
                32%|
                             | 32232/100000 [07:01<16:52, 66.93it/s]
Training Step:
                32%|
                            | 32240/100000 [07:01<16:27, 68.62it/s]
                             | 32248/100000 [07:01<16:20, 69.09it/s]
Training Step:
                32%|
                             | 32256/100000 [07:01<16:08, 69.97it/s]
Training Step:
                32%|
Training Step:
                32%|
                             | 32264/100000 [07:01<15:49, 71.35it/s]
Training Step:
                32%|
                             | 32272/100000 [07:01<15:43, 71.76it/s]
Training Step:
                32%|
                             | 32280/100000 [07:01<15:47, 71.47it/s]
```

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Training Step:
                             | 32288/100000 [07:01<15:50, 71.26it/s]
                32%|
Training Step:
                32%|
                             | 32296/100000 [07:01<16:14, 69.45it/s]
Training Step:
                32%1
                             | 32304/100000 [07:02<16:16,
69.30it/s][INFO] Episode ended! Scenario Index: 1019 Reason:
out of road.
Training Step:
                32%|
                             | 32311/100000 [07:02<18:33, 60.76it/s]
Training Step:
                32%1
                             | 32319/100000 [07:02<17:19, 65.14it/s]
                32%|
                            | 32327/100000 [07:02<16:40, 67.63it/s]
Training Step:
Training Step:
                32%|
                             | 32334/100000 [07:02<17:37, 64.02it/s]
                32%|
                             | 32341/100000 [07:02<18:19, 61.56it/s]
Training Step:
Training Step:
                             | 32348/100000 [07:02<18:39, 60.44it/s]
                32%|
                            | 32355/100000 [07:02<18:36, 60.57it/s]
Training Step:
                32%|
                             | 32362/100000 [07:03<18:49, 59.89it/s]
Training Step:
                32%|
                             | 32369/100000 [07:03<19:09, 58.83it/s]
Training Step:
                32%|
                32%|
                             | 32375/100000 [07:03<20:03, 56.19it/s]
Training Step:
Training Step:
                32%|
                             | 32381/100000 [07:03<20:10,
55.87it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
out_of_road.
Training Step:
                32%|
                             | 32387/100000 [07:03<22:57, 49.08it/s]
Training Step:
                             | 32395/100000 [07:03<19:57, 56.47it/s]
                32%|
Training Step:
                32%|
                            | 32404/100000 [07:03<17:54, 62.91it/s]
Training Step:
                32%|
                             | 32412/100000 [07:03<17:03, 66.04it/s]
Training Step:
                32%|
                             | 32420/100000 [07:03<16:26, 68.51it/s]
                             | 32428/100000 [07:04<15:58, 70.51it/s]
Training Step:
                32%|
                            | 32436/100000 [07:04<15:39, 71.95it/s]
Training Step:
                32%|
Training Step:
                32%|
                             | 32444/100000 [07:04<15:35, 72.18it/s]
                             | 32452/100000 [07:04<15:43, 71.56it/s]
Training Step:
                32%|
Training Step:
                32%|
                             | 32460/100000 [07:04<15:57, 70.57it/s]
                32%|
                             | 32468/100000 [07:04<16:26, 68.46it/s]
Training Step:
Training Step:
                32%|
                             | 32475/100000 [07:04<16:45, 67.17it/s]
Training Step:
                32%|
                             | 32482/100000 [07:04<17:08, 65.66it/s]
Training Step:
                32%|
                             | 32489/100000 [07:04<17:13, 65.32it/s]
Training Step:
                             | 32496/100000 [07:05<17:32, 64.13it/s]
                32%|
Training Step:
                33%|
                             32503/100000 [07:05<17:26,
64.50it/s][INFO] Episode ended! Scenario Index: 1013 Reason:
out of road.
Training Step:
                33%|
                             | 32510/100000 [07:05<21:55, 51.32it/s]
Training Step:
                33%|
                             | 32518/100000 [07:05<19:43, 57.01it/s]
Training Step:
                33%|
                             | 32526/100000 [07:05<18:38, 60.33it/s]
Training Step:
                33%|
                            | 32533/100000 [07:05<18:38, 60.33it/s]
                             | 32540/100000 [07:05<18:51, 59.60it/s]
Training Step:
                33%|
Training Step:
                33%|
                             | 32547/100000 [07:05<18:33, 60.57it/s]
Training Step:
                33%|
                             | 32554/100000 [07:06<18:48, 59.74it/s]
Training Step:
                33%|
                             | 32561/100000 [07:06<18:51, 59.62it/s]
Training Step:
                33%|
                             | 32568/100000 [07:06<19:15,
```

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58.35it/s][INFO] Episode ended! Scenario Index: 1007 Reason:
out_of_road.
                            | 32574/100000 [07:06<23:00, 48.83it/s]
Training Step:
                33%|
Training Step:
                            | 32582/100000 [07:06<20:19, 55.29it/s]
                33%1
Training Step:
                33%|
                            | 32590/100000 [07:06<18:46, 59.82it/s]
Training Step:
                33%|
                            | 32597/100000 [07:06<18:27, 60.87it/s]
Training Step:
                33%|
                            | 32604/100000 [07:06<19:02, 59.00it/s]
                            | 32611/100000 [07:07<19:08, 58.69it/s]
Training Step:
                33%|
Training Step:
                33%|
                            | 32618/100000 [07:07<19:11, 58.49it/s]
                            | 32624/100000 [07:07<19:25, 57.83it/s]
Training Step:
                33%|
                             | 32630/100000 [07:07<19:38, 57.19it/s]
Training Step:
                33%|
                            | 32636/100000 [07:07<19:28, 57.64it/s]
Training Step:
                33%|
Training Step:
                33%|
                             | 32642/100000 [07:07<19:50, 56.56it/s]
Training Step:
                33%|
                             | 32648/100000 [07:07<19:53,
56.42it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
out_of_road.
                            | 32654/100000 [07:07<23:46, 47.20it/s]
Training Step:
                33%|
Training Step:
                33%1
                            | 32662/100000 [07:08<20:58, 53.49it/s]
Training Step:
                33%|
                            | 32670/100000 [07:08<19:00, 59.05it/s]
                            | 32677/100000 [07:08<19:01, 58.98it/s]
Training Step:
                33%|
Training Step:
                33%|
                            | 32684/100000 [07:08<19:45, 56.80it/s]
Training Step:
                            | 32690/100000 [07:08<19:55, 56.32it/s]
                33%|
Training Step:
                33%|
                            | 32696/100000 [07:08<19:53, 56.40it/s]
Training Step:
                33%|
                            | 32702/100000 [07:08<20:04, 55.86it/s]
Training Step:
                33%|
                            | 32708/100000 [07:08<20:09, 55.62it/s]
Training Step:
                33%|
                             | 32714/100000 [07:08<20:03, 55.90it/s]
                             | 32720/100000 [07:09<20:32,
Training Step:
                33%|
54.61it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
out_of_road.
Training Step:
                33%|
                            | 32726/100000 [07:09<23:36, 47.50it/s]
Training Step:
                33%|
                            | 32734/100000 [07:09<20:15, 55.35it/s]
Training Step:
                33%|
                            | 32743/100000 [07:09<17:39, 63.45it/s]
                            | 32751/100000 [07:09<16:35, 67.55it/s]
Training Step:
                33%|
Training Step:
                33%|
                            | 32759/100000 [07:09<15:54, 70.42it/s]
Training Step:
                33%1
                            | 32767/100000 [07:09<15:22, 72.91it/s]
Training Step:
                            | 32775/100000 [07:09<15:22, 72.86it/s]
                33%|
Training Step:
                33%|
                            | 32783/100000 [07:09<15:10, 73.84it/s]
Training Step:
                33%|
                            | 32791/100000 [07:10<14:54, 75.17it/s]
Training Step:
                             | 32799/100000 [07:10<14:42, 76.13it/s]
                33%|
Training Step:
                33%|
                             | 32807/100000 [07:10<14:44,
75.93it/s][INFO] Episode ended! Scenario Index: 1014 Reason:
out_of_road.
```

Training Step: 33%| | 32815/100000 [07:10<17:10, 65.19it/s]
Training Step: 33%| | 32823/100000 [07:10<16:18, 68.68it/s]

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Training Step:
                             | 32831/100000 [07:10<15:36, 71.73it/s]
                33%|
Training Step:
                33%|
                             | 32839/100000 [07:10<15:22, 72.81it/s]
Training Step:
                33%|
                             | 32847/100000 [07:10<15:25, 72.59it/s]
Training Step:
                33%|
                            | 32855/100000 [07:10<15:09, 73.84it/s]
Training Step:
                             | 32863/100000 [07:11<14:58, 74.74it/s]
                33%1
Training Step:
                33%|
                             | 32871/100000 [07:11<14:50, 75.38it/s]
Training Step:
                33%|
                             | 32879/100000 [07:11<15:17, 73.13it/s]
Training Step:
                33%1
                             | 32887/100000 [07:11<16:14,
68.84it/s][INFO] Episode ended! Scenario Index: 1002 Reason: crash
vehicle
                             | 32894/100000 [07:11<19:33, 57.17it/s]
Training Step:
                33%|
Training Step:
                            | 32902/100000 [07:11<18:18, 61.06it/s]
                33%|
                             | 32910/100000 [07:11<17:22, 64.37it/s]
Training Step:
                33%|
                             | 32917/100000 [07:11<17:17, 64.66it/s]
Training Step:
                33%|
                33%|
                             | 32924/100000 [07:12<17:54, 62.41it/s]
Training Step:
Training Step:
                33%|
                             | 32931/100000 [07:12<18:10, 61.49it/s]
Training Step:
                33%|
                             | 32938/100000 [07:12<18:27, 60.54it/s]
Training Step:
                             | 32945/100000 [07:12<18:31, 60.33it/s]
                33%|
Training Step:
                33%1
                             | 32952/100000 [07:12<18:51, 59.27it/s]
Training Step:
                33%|
                             | 32958/100000 [07:12<19:11, 58.24it/s]
Training Step:
                33%|
                             32964/100000 [07:12<19:17,
57.93it/s][INFO] Episode ended! Scenario Index: 1003 Reason:
out_of_road.
Training Step:
                33%|
                             | 32970/100000 [07:12<21:59, 50.81it/s]
Training Step:
                33%|
                            | 32978/100000 [07:12<19:25, 57.51it/s]
Training Step:
                33%|
                             | 32986/100000 [07:13<18:09, 61.50it/s]
                             | 32993/100000 [07:13<17:41, 63.10it/s]
Training Step:
                33%|
Training Step:
                33%|
                             | 33000/100000 [07:13<17:30, 63.77it/s]
                33%|
                             | 33007/100000 [07:13<17:08, 65.14it/s]
Training Step:
Training Step:
                33%|
                             | 33014/100000 [07:13<17:09, 65.04it/s]
Training Step:
                33%|
                             | 33021/100000 [07:13<17:11, 64.91it/s]
Training Step:
                33%|
                             | 33028/100000 [07:13<17:25, 64.08it/s]
                             | 33035/100000 [07:13<17:08,
Training Step:
                33%|
65.09it/s][INFO] Episode ended! Scenario Index: 1006 Reason:
out of road.
Training Step:
                             | 33042/100000 [07:13<19:47, 56.38it/s]
                33%|
Training Step:
                33%|
                             | 33051/100000 [07:14<17:31, 63.69it/s]
Training Step:
                33%|
                             | 33060/100000 [07:14<16:17, 68.47it/s]
Training Step:
                             | 33068/100000 [07:14<16:32,
                33%|
67.40it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
out_of_road.
Training Step:
                33%|
                             | 33075/100000 [07:14<18:48, 59.30it/s]
Training Step:
                33%|
                             | 33082/100000 [07:14<18:02, 61.80it/s]
Training Step:
                33%|
                             | 33090/100000 [07:14<16:58, 65.69it/s]
```

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Training Step:
                             | 33098/100000 [07:14<16:46, 66.50it/s]
                33%|
Training Step:
                33%|
                             | 33105/100000 [07:14<16:42, 66.72it/s]
Training Step:
                33%|
                             | 33112/100000 [07:15<16:42, 66.71it/s]
Training Step:
                33%|
                             | 33120/100000 [07:15<16:26,
67.77it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
out of road.
Training Step:
                33%|
                            | 33127/100000 [07:15<18:14, 61.09it/s]
                            | 33136/100000 [07:15<16:46, 66.40it/s]
Training Step:
                33%|
Training Step:
                33%|
                             | 33144/100000 [07:15<16:20, 68.20it/s]
                             | 33151/100000 [07:15<16:18, 68.32it/s]
Training Step:
                33%|
                             | 33158/100000 [07:15<16:49,
Training Step:
                33%|
66.22it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
out_of_road.
Training Step:
                33%|
                             | 33165/100000 [07:15<20:02, 55.59it/s]
Training Step:
                33%|
                             | 33172/100000 [07:15<18:51, 59.04it/s]
Training Step:
                33%|
                            | 33180/100000 [07:16<17:45, 62.69it/s]
Training Step:
                            | 33187/100000 [07:16<18:14, 61.07it/s]
                33%|
Training Step:
                33%1
                            | 33194/100000 [07:16<18:59, 58.63it/s]
Training Step:
                33%|
                            | 33200/100000 [07:16<19:50, 56.09it/s]
                             | 33206/100000 [07:16<20:57, 53.11it/s]
Training Step:
                33%|
Training Step:
                33%|
                            | 33212/100000 [07:16<21:19, 52.20it/s]
Training Step:
                             | 33218/100000 [07:16<21:32, 51.68it/s]
                33%|
Training Step:
                33%|
                             | 33224/100000 [07:16<21:09, 52.61it/s]
                             | 33230/100000 [07:17<21:08,
Training Step:
                33%|
52.62it/s][INFO] Episode ended! Scenario Index: 1003 Reason:
out_of_road.
Training Step:
                33%|
                             | 33236/100000 [07:17<24:55, 44.65it/s]
Training Step:
                33%|
                             | 33244/100000 [07:17<21:33, 51.61it/s]
Training Step:
                33%|
                             | 33251/100000 [07:17<19:53, 55.91it/s]
Training Step:
                33%|
                             | 33258/100000 [07:17<19:17, 57.64it/s]
Training Step:
                33%|
                            | 33265/100000 [07:17<18:21, 60.60it/s]
                             | 33272/100000 [07:17<18:13, 61.00it/s]
Training Step:
                33%|
                            | 33279/100000 [07:17<17:42, 62.78it/s]
Training Step:
                33%|
Training Step:
                33%|
                            | 33286/100000 [07:18<17:29, 63.56it/s]
Training Step:
                33%1
                            | 33293/100000 [07:18<17:14, 64.50it/s]
Training Step:
                            | 33300/100000 [07:18<17:37, 63.10it/s]
                33%|
Training Step:
                33%|
                             | 33307/100000 [07:18<17:25, 63.78it/s]
                33%|
                            | 33314/100000 [07:18<18:00, 61.71it/s]
Training Step:
Training Step:
                             | 33321/100000 [07:18<17:56, 61.95it/s]
                33%|
Training Step:
                             | 33328/100000 [07:18<18:13,
                33%|
60.97it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
out_of_road.
Training Step:
                33%|
                             | 33335/100000 [07:18<21:16, 52.21it/s]
```

| 33343/100000 [07:18<19:07, 58.10it/s]

Training Step:

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Training Step:
                33%|
                             | 33360/100000 [07:19<16:48, 66.10it/s]
Training Step:
                33%|
                             | 33368/100000 [07:19<16:22, 67.81it/s]
Training Step:
                33%|
                             | 33376/100000 [07:19<16:07, 68.86it/s]
Training Step:
                33%1
                             | 33384/100000 [07:19<15:51,
69.98it/s][INFO] Episode ended! Scenario Index: 1016 Reason:
out of road.
Training Step:
                             | 33392/100000 [07:19<17:56, 61.88it/s]
                33%|
Training Step:
                33%|
                             | 33400/100000 [07:19<16:50, 65.91it/s]
                33%|
                             | 33408/100000 [07:19<16:11, 68.52it/s]
Training Step:
Training Step:
                             | 33416/100000 [07:20<15:57, 69.55it/s]
                33%|
                            | 33424/100000 [07:20<15:49, 70.10it/s]
Training Step:
                33%|
                             | 33432/100000 [07:20<15:52, 69.86it/s]
Training Step:
                33%|
                             | 33440/100000 [07:20<15:55, 69.66it/s]
Training Step:
                33%|
Training Step:
                33%|
                             | 33448/100000 [07:20<16:05, 68.91it/s]
Training Step:
                33%|
                             | 33455/100000 [07:20<16:06, 68.83it/s]
Training Step:
                33%|
                             | 33462/100000 [07:20<16:20, 67.84it/s]
Training Step:
                33%|
                             | 33470/100000 [07:20<16:23, 67.65it/s]
Training Step:
                33%1
                            | 33477/100000 [07:20<16:16, 68.11it/s]
                             | 33484/100000 [07:21<16:49, 65.86it/s]
Training Step:
                33%|
                             | 33491/100000 [07:21<16:49, 65.91it/s]
Training Step:
                33%|
Training Step:
                33%1
                             | 33498/100000 [07:21<16:59, 65.23it/s]
Training Step:
                34%|
                             | 33505/100000 [07:21<17:01,
65.10it/s][INFO] Episode ended! Scenario Index: 1013 Reason:
out_of_road.
Training Step:
                34%|
                             | 33512/100000 [07:21<21:25, 51.74it/s]
                             | 33520/100000 [07:21<19:26, 56.99it/s]
Training Step:
                34%|
Training Step:
                34%|
                             | 33528/100000 [07:21<18:19, 60.46it/s]
Training Step:
                34%|
                             | 33535/100000 [07:21<17:44, 62.42it/s]
Training Step:
                34%|
                             | 33542/100000 [07:22<18:36, 59.53it/s]
Training Step:
                34%|
                             | 33549/100000 [07:22<19:10, 57.75it/s]
Training Step:
                34%|
                            | 33555/100000 [07:22<19:34, 56.59it/s]
Training Step:
                             | 33561/100000 [07:22<19:27, 56.88it/s]
                34%|
                            | 33567/100000 [07:22<19:51, 55.76it/s]
Training Step:
                34%|
                             | 33573/100000 [07:22<19:43, 56.12it/s]
Training Step:
                34%|
Training Step:
                34%1
                             | 33579/100000 [07:22<20:04, 55.12it/s]
Training Step:
                             | 33585/100000 [07:22<20:08,
                34%|
54.95it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
out_of_road.
Training Step:
                34%|
                             | 33591/100000 [07:22<23:10, 47.75it/s]
Training Step:
                             | 33599/100000 [07:23<20:00, 55.30it/s]
                34%|
Training Step:
                34%|
                             | 33607/100000 [07:23<18:03, 61.29it/s]
Training Step:
                34%|
                             | 33615/100000 [07:23<17:04, 64.78it/s]
Training Step:
                34%|
                             | 33623/100000 [07:23<16:05, 68.77it/s]
Training Step:
                34%|
                             | 33631/100000 [07:23<15:35, 70.92it/s]
```

| 33352/100000 [07:19<17:24, 63.78it/s]

Training Step:

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Training Step:
                34%|
                             | 33647/100000 [07:23<15:13, 72.61it/s]
Training Step:
                34%|
                             | 33655/100000 [07:23<15:05, 73.25it/s]
Training Step:
                34%|
                             | 33663/100000 [07:23<15:00, 73.70it/s]
Training Step:
                34%1
                             | 33671/100000 [07:24<15:03,
73.41it/s][INFO] Episode ended! Scenario Index: 1019 Reason:
out of road.
Training Step:
                             | 33679/100000 [07:24<17:43, 62.36it/s]
                34%|
Training Step:
                34%|
                             | 33687/100000 [07:24<16:45, 65.97it/s]
                34%|
                             | 33695/100000 [07:24<16:04, 68.74it/s]
Training Step:
Training Step:
                             | 33703/100000 [07:24<16:33, 66.74it/s]
                34%|
                            | 33710/100000 [07:24<17:15, 63.99it/s]
Training Step:
                34%|
                             | 33717/100000 [07:24<17:11, 64.26it/s]
Training Step:
                34%|
                             | 33724/100000 [07:24<17:26, 63.33it/s]
Training Step:
                34%|
Training Step:
                34%|
                             | 33731/100000 [07:24<17:33, 62.92it/s]
Training Step:
                34%|
                             | 33738/100000 [07:25<17:40, 62.47it/s]
Training Step:
                34%|
                            | 33745/100000 [07:25<17:34, 62.80it/s]
Training Step:
                34%|
                            | 33752/100000 [07:25<17:44, 62.22it/s]
Training Step:
                34%1
                            | 33759/100000 [07:25<17:43, 62.30it/s]
Training Step:
                34%|
                            | 33766/100000 [07:25<17:47, 62.03it/s]
                            | 33773/100000 [07:25<17:50, 61.84it/s]
Training Step:
                34%|
Training Step:
                34%|
                            | 33780/100000 [07:25<18:07, 60.91it/s]
Training Step:
                             | 33787/100000 [07:25<17:53, 61.70it/s]
                34%|
Training Step:
                34%|
                            | 33794/100000 [07:26<18:03, 61.13it/s]
                             | 33801/100000 [07:26<18:01, 61.21it/s]
Training Step:
                34%|
Training Step:
                34%|
                             | 33808/100000 [07:26<18:23, 60.01it/s]
Training Step:
                34%|
                             | 33815/100000 [07:26<18:29, 59.65it/s]
Training Step:
                             | 33821/100000 [07:26<18:57,
                34%|
58.19it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
out_of_road.
Training Step:
                34%|
                             | 33827/100000 [07:26<22:12, 49.66it/s]
Training Step:
                34%|
                            | 33835/100000 [07:26<19:26, 56.73it/s]
Training Step:
                             | 33843/100000 [07:26<17:42, 62.27it/s]
                34%|
                             | 33850/100000 [07:26<17:18, 63.69it/s]
Training Step:
                34%|
Training Step:
                34%|
                             | 33857/100000 [07:27<18:13,
60.50it/s][INFO] Episode ended! Scenario Index: 1012 Reason:
out_of_road.
Training Step:
                34%|
                             | 33864/100000 [07:27<21:29, 51.27it/s]
Training Step:
                34%|
                             | 33871/100000 [07:27<19:47, 55.71it/s]
Training Step:
                34%|
                            | 33879/100000 [07:27<18:21, 60.02it/s]
                             | 33886/100000 [07:27<18:00, 61.18it/s]
Training Step:
                34%|
Training Step:
                34%|
                             | 33893/100000 [07:27<17:28, 63.02it/s]
Training Step:
                34%|
                             | 33900/100000 [07:27<17:36, 62.54it/s]
Training Step:
                34%|
                             | 33907/100000 [07:27<17:25, 63.20it/s]
Training Step:
                34%|
                             | 33914/100000 [07:28<17:29, 62.99it/s]
```

| 33639/100000 [07:23<15:18, 72.27it/s]

Training Step:

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Training Step:
                            | 33922/100000 [07:28<17:04, 64.48it/s]
                34%|
Training Step:
                34%|
                            | 33930/100000 [07:28<16:48, 65.50it/s]
Training Step:
                34%|
                            | 33937/100000 [07:28<16:47, 65.57it/s]
Training Step:
                34%|
                            | 33944/100000 [07:28<17:04, 64.48it/s]
Training Step:
                            | 33951/100000 [07:28<17:16, 63.71it/s]
                34%1
Training Step:
                34%|
                            | 33958/100000 [07:28<18:20, 60.00it/s]
Training Step:
                34%|
                            | 33965/100000 [07:28<18:43, 58.75it/s]
Training Step:
                34%1
                            | 33971/100000 [07:28<19:24,
56.70it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
out_of_road.
                            | 33977/100000 [07:29<23:55, 45.99it/s]
Training Step:
                34%|
Training Step:
                34%|
                            | 33985/100000 [07:29<20:34, 53.49it/s]
Training Step:
                34%|
                            | 33993/100000 [07:29<18:27, 59.60it/s]
                            | 34000/100000 [07:29<18:31, 59.37it/s]
Training Step:
                34%|
Training Step:
                34%|
                            | 34008/100000 [07:29<17:46, 61.85it/s]
Training Step:
                34%|
                            | 34015/100000 [07:29<17:13, 63.83it/s]
Training Step:
                34%|
                            | 34022/100000 [07:29<16:58, 64.80it/s]
Training Step:
                34%|
                            | 34030/100000 [07:29<16:32, 66.44it/s]
Training Step:
                34%1
                            | 34037/100000 [07:30<16:37, 66.14it/s]
Training Step:
                34%|
                            | 34044/100000 [07:30<16:54, 65.04it/s]
Training Step:
                            | 34051/100000 [07:30<17:03, 64.45it/s]
                34%|
Training Step:
                34%1
                            | 34058/100000 [07:30<18:00, 61.06it/s]
Training Step:
                34%|
                            | 34065/100000 [07:30<17:52,
61.48it/s][INFO] Episode ended! Scenario Index: 1002 Reason: crash
vehicle
Training Step:
                34%|
                            | 34072/100000 [07:30<21:34, 50.94it/s]
                            | 34080/100000 [07:30<19:40, 55.83it/s]
Training Step:
                34%|
Training Step:
                34%|
                            | 34087/100000 [07:30<18:36, 59.02it/s]
Training Step:
                34%|
                            | 34094/100000 [07:31<19:19, 56.86it/s]
Training Step:
                34%|
                            | 34100/100000 [07:31<19:43, 55.68it/s]
Training Step:
                34%|
                            | 34106/100000 [07:31<19:56, 55.08it/s]
Training Step:
                34%|
                            | 34112/100000 [07:31<20:25, 53.75it/s]
Training Step:
                            | 34118/100000 [07:31<20:19, 54.03it/s]
                34%|
                            | 34124/100000 [07:31<20:15, 54.18it/s]
Training Step:
                34%|
Training Step:
                            | 34130/100000 [07:31<20:22, 53.86it/s]
                34%|
Training Step:
                34%1
                            | 34136/100000 [07:31<20:25, 53.76it/s]
Training Step:
                            | 34142/100000 [07:31<20:19,
                34%|
53.98it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
out_of_road.
Training Step:
                34%|
                            | 34148/100000 [07:32<23:51, 46.00it/s]
Training Step:
                34%|
                            | 34156/100000 [07:32<20:56, 52.42it/s]
                            | 34164/100000 [07:32<18:59, 57.79it/s]
Training Step:
                34%|
Training Step:
                34%|
                            | 34170/100000 [07:32<18:50, 58.22it/s]
Training Step:
                34%|
                            | 34177/100000 [07:32<18:18, 59.94it/s]
Training Step:
                34%|
                            | 34184/100000 [07:32<18:21, 59.75it/s]
```

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Training Step:
                            | 34191/100000 [07:32<17:46, 61.70it/s]
                34%|
Training Step:
                34%|
                             | 34198/100000 [07:32<17:50, 61.44it/s]
Training Step:
                34%|
                             | 34205/100000 [07:32<17:36, 62.26it/s]
Training Step:
                34%|
                             | 34212/100000 [07:33<17:32,
62.48it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
out_of_road.
Training Step:
                34%|
                            | 34219/100000 [07:33<19:54, 55.09it/s]
Training Step:
                            | 34227/100000 [07:33<17:54, 61.23it/s]
                34%|
Training Step:
                34%|
                            | 34235/100000 [07:33<16:46, 65.34it/s]
                34%|
                            | 34242/100000 [07:33<16:39, 65.81it/s]
Training Step:
Training Step:
                             | 34249/100000 [07:33<16:26, 66.68it/s]
                34%|
                            | 34256/100000 [07:33<16:23, 66.87it/s]
Training Step:
                34%|
                             | 34264/100000 [07:33<16:13, 67.53it/s]
Training Step:
                34%|
                             | 34272/100000 [07:34<15:53, 68.90it/s]
Training Step:
                34%|
                34%|
                             | 34279/100000 [07:34<15:52,
Training Step:
69.02it/s][INFO] Episode ended! Scenario Index: 1010 Reason:
out_of_road.
Training Step:
                34%|
                            | 34286/100000 [07:34<18:08, 60.35it/s]
Training Step:
                34%|
                             | 34294/100000 [07:34<16:51, 64.98it/s]
Training Step:
                             | 34302/100000 [07:34<15:54, 68.86it/s]
                34%|
Training Step:
                34%1
                             | 34310/100000 [07:34<16:44,
65.41it/s][INFO] Episode ended! Scenario Index: 1012 Reason:
out_of_road.
                             | 34317/100000 [07:34<20:47, 52.65it/s]
Training Step:
                34%|
                             | 34324/100000 [07:34<19:24, 56.39it/s]
Training Step:
                34%|
Training Step:
                            | 34332/100000 [07:35<17:56, 61.02it/s]
                34%|
Training Step:
                34%|
                             | 34339/100000 [07:35<17:30, 62.52it/s]
Training Step:
                34%|
                            | 34346/100000 [07:35<17:54, 61.10it/s]
Training Step:
                34%|
                             | 34353/100000 [07:35<17:55, 61.03it/s]
Training Step:
                34%|
                             | 34360/100000 [07:35<18:29, 59.16it/s]
Training Step:
                34%|
                            | 34367/100000 [07:35<18:06, 60.42it/s]
Training Step:
                             | 34374/100000 [07:35<18:40, 58.57it/s]
                34%|
Training Step:
                34%|
                             | 34380/100000 [07:35<18:34,
58.86it/s][INFO] Episode ended! Scenario Index: 1003 Reason:
out of road.
Training Step:
                34%|
                             | 34386/100000 [07:35<22:08, 49.40it/s]
Training Step:
                34%|
                             | 34394/100000 [07:36<19:24, 56.35it/s]
Training Step:
                34%|
                             | 34402/100000 [07:36<17:46, 61.49it/s]
Training Step:
                34%|
                             | 34409/100000 [07:36<17:14, 63.41it/s]
                             | 34416/100000 [07:36<17:57, 60.88it/s]
Training Step:
                34%|
                             | 34423/100000 [07:36<18:19, 59.65it/s]
Training Step:
                34%|
Training Step:
                34%|
                             | 34430/100000 [07:36<18:51, 57.94it/s]
Training Step:
                34%|
                             | 34436/100000 [07:36<18:58, 57.58it/s]
Training Step:
                34%|
                             | 34442/100000 [07:36<19:16, 56.71it/s]
```

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Training Step:
                             | 34448/100000 [07:37<19:50, 55.05it/s]
                34%|
Training Step:
                34%|
                             | 34454/100000 [07:37<20:03, 54.47it/s]
Training Step:
                34%|
                             | 34460/100000 [07:37<20:05, 54.35it/s]
Training Step:
                34%|
                             | 34466/100000 [07:37<20:46, 52.59it/s]
Training Step:
                34%1
                             | 34472/100000 [07:37<21:50,
50.01it/s][INFO] Episode ended! Scenario Index: 1018 Reason:
out of road.
Training Step:
                             | 34478/100000 [07:37<25:14, 43.26it/s]
                34%|
Training Step:
                34%|
                             | 34486/100000 [07:37<21:26, 50.91it/s]
                34%|
                             | 34494/100000 [07:37<19:31, 55.89it/s]
Training Step:
                             | 34501/100000 [07:38<18:29, 59.06it/s]
Training Step:
                35%|
                             | 34508/100000 [07:38<18:01, 60.58it/s]
Training Step:
                35%|
                             | 34516/100000 [07:38<16:56, 64.43it/s]
Training Step:
                35%|
                             | 34524/100000 [07:38<16:19, 66.86it/s]
Training Step:
                35%|
                35%|
                             | 34532/100000 [07:38<16:04, 67.87it/s]
Training Step:
Training Step:
                35%|
                             | 34540/100000 [07:38<15:47, 69.11it/s]
Training Step:
                35%|
                             | 34547/100000 [07:38<15:56, 68.41it/s]
Training Step:
                             | 34554/100000 [07:38<16:43, 65.21it/s]
                35%|
Training Step:
                35%1
                             | 34561/100000 [07:38<17:04,
63.89it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
out of road.
Training Step:
                             | 34568/100000 [07:39<19:49, 55.02it/s]
                35%|
Training Step:
                35%|
                             | 34576/100000 [07:39<18:05, 60.30it/s]
                             | 34584/100000 [07:39<16:56, 64.39it/s]
Training Step:
                35%|
Training Step:
                35%|
                             | 34591/100000 [07:39<16:46, 65.01it/s]
Training Step:
                35%|
                             | 34598/100000 [07:39<16:41, 65.31it/s]
                             | 34606/100000 [07:39<16:19, 66.79it/s]
Training Step:
                35%|
Training Step:
                35%|
                             | 34614/100000 [07:39<16:16, 66.93it/s]
                35%|
                             | 34622/100000 [07:39<15:52, 68.62it/s]
Training Step:
Training Step:
                35%|
                             | 34629/100000 [07:39<15:52, 68.62it/s]
Training Step:
                35%|
                             | 34636/100000 [07:40<16:11, 67.31it/s]
Training Step:
                35%|
                             | 34643/100000 [07:40<16:11, 67.27it/s]
Training Step:
                35%|
                             | 34650/100000 [07:40<16:30,
65.97it/s][INFO] Episode ended! Scenario Index: 1016 Reason:
out of road.
Training Step:
                             | 34657/100000 [07:40<19:14, 56.62it/s]
                35%|
Training Step:
                35%|
                             | 34665/100000 [07:40<17:24, 62.56it/s]
Training Step:
                35%|
                             | 34673/100000 [07:40<16:30, 65.97it/s]
Training Step:
                35%|
                             | 34681/100000 [07:40<15:58, 68.12it/s]
Training Step:
                35%|
                             | 34689/100000 [07:40<15:37, 69.66it/s]
                             | 34697/100000 [07:40<15:35, 69.82it/s]
Training Step:
                35%|
                             | 34705/100000 [07:41<15:13, 71.44it/s]
Training Step:
                35%|
Training Step:
                35%|
                             | 34713/100000 [07:41<15:01, 72.42it/s]
Training Step:
                35%|
                             | 34721/100000 [07:41<15:10, 71.73it/s]
Training Step:
                35%|
                             | 34729/100000 [07:41<15:25, 70.50it/s]
```

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| 34737/100000 [07:41<15:44,
Training Step:
                35%|
69.12it/s][INFO] Episode ended! Scenario Index: 1016 Reason:
out_of_road.
                             | 34744/100000 [07:41<17:53, 60.79it/s]
Training Step:
                35%|
Training Step:
                35%|
                             | 34753/100000 [07:41<16:18, 66.67it/s]
Training Step:
                35%|
                             | 34761/100000 [07:41<15:37, 69.61it/s]
Training Step:
                35%|
                             | 34769/100000 [07:42<15:51, 68.53it/s]
                             | 34776/100000 [07:42<16:09, 67.30it/s]
Training Step:
                35%|
Training Step:
                35%1
                             | 34783/100000 [07:42<16:06, 67.48it/s]
                             | 34790/100000 [07:42<16:36, 65.45it/s]
Training Step:
                35%|
                             | 34797/100000 [07:42<17:00,
Training Step:
                35%|
63.88it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
out_of_road.
Training Step:
                35%|
                             | 34804/100000 [07:42<20:16, 53.58it/s]
Training Step:
                35%|
                             | 34812/100000 [07:42<18:27, 58.84it/s]
Training Step:
                35%|
                             | 34820/100000 [07:42<17:05, 63.56it/s]
Training Step:
                             | 34827/100000 [07:42<17:18, 62.78it/s]
                35%|
Training Step:
                35%1
                             | 34834/100000 [07:43<17:43, 61.27it/s]
Training Step:
                35%|
                             | 34841/100000 [07:43<17:40, 61.47it/s]
                             | 34848/100000 [07:43<17:56, 60.51it/s]
Training Step:
                35%|
Training Step:
                35%|
                             | 34855/100000 [07:43<18:02, 60.16it/s]
Training Step:
                             | 34862/100000 [07:43<18:34, 58.42it/s]
                35%|
Training Step:
                35%|
                             | 34868/100000 [07:43<18:32, 58.53it/s]
                             | 34874/100000 [07:43<18:28, 58.77it/s]
Training Step:
                35%|
                35%|
Training Step:
                             | 34880/100000 [07:43<18:27,
58.78it/s][INFO] Episode ended! Scenario Index: 1007 Reason:
out_of_road.
Training Step:
                             | 34886/100000 [07:44<20:41, 52.44it/s]
                35%|
Training Step:
                35%|
                             | 34895/100000 [07:44<17:46, 61.07it/s]
Training Step:
                35%|
                             | 34904/100000 [07:44<16:18, 66.55it/s]
Training Step:
                35%|
                             | 34912/100000 [07:44<16:09,
67.10it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
out_of_road.
Training Step:
                             | 34919/100000 [07:44<18:23, 58.96it/s]
                35%|
Training Step:
                             | 34926/100000 [07:44<17:37, 61.51it/s]
                35%|
Training Step:
                35%|
                             | 34934/100000 [07:44<16:46, 64.65it/s]
Training Step:
                35%|
                             | 34942/100000 [07:44<16:29, 65.77it/s]
Training Step:
                             | 34949/100000 [07:44<16:14, 66.72it/s]
                35%|
Training Step:
                35%|
                             | 34956/100000 [07:45<16:36, 65.28it/s]
                             | 34963/100000 [07:45<16:24, 66.04it/s]
Training Step:
                35%|
Training Step:
                35%|
                             | 34970/100000 [07:45<16:11, 66.96it/s]
Training Step:
                35%|
                             | 34977/100000 [07:45<16:01, 67.64it/s]
Training Step:
                35%|
                             | 34984/100000 [07:45<16:13, 66.78it/s]
Training Step:
                35%|
                             | 34991/100000 [07:45<16:27, 65.81it/s]
```

```
Training Step:
                             | 34998/100000 [07:45<16:54,
                35%|
64.08it/s][INFO] Episode ended! Scenario Index: 1010 Reason:
out_of_road.
                             | 35005/100000 [07:45<19:01, 56.95it/s]
Training Step:
                35%|
Training Step:
                35%|
                            | 35013/100000 [07:45<17:29, 61.93it/s]
Training Step:
                35%|
                            | 35020/100000 [07:46<17:18, 62.58it/s]
Training Step:
                35%1
                             | 35027/100000 [07:46<16:59, 63.73it/s]
Training Step:
                35%|
                            | 35034/100000 [07:46<17:10, 63.02it/s]
Training Step:
                35%|
                             | 35041/100000 [07:46<16:56, 63.89it/s]
                             | 35048/100000 [07:46<16:57, 63.81it/s]
Training Step:
                35%|
                             | 35055/100000 [07:46<17:06, 63.24it/s]
Training Step:
                35%|
Training Step:
                35%|
                             | 35062/100000 [07:46<17:07,
63.19it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
out_of_road.
Training Step:
                35%|
                             | 35069/100000 [07:46<20:26, 52.95it/s]
Training Step:
                35%|
                             | 35077/100000 [07:47<18:27, 58.62it/s]
Training Step:
                             | 35084/100000 [07:47<17:40, 61.21it/s]
                35%|
Training Step:
                35%1
                            | 35092/100000 [07:47<16:38, 65.01it/s]
Training Step:
                35%|
                             | 35100/100000 [07:47<16:12, 66.73it/s]
                             | 35108/100000 [07:47<15:45, 68.67it/s]
Training Step:
                35%|
Training Step:
                35%|
                            | 35116/100000 [07:47<15:36, 69.31it/s]
Training Step:
                            | 35124/100000 [07:47<15:22, 70.32it/s]
                35%|
Training Step:
                35%|
                            | 35132/100000 [07:47<15:23, 70.27it/s]
                             | 35140/100000 [07:47<15:45, 68.60it/s]
Training Step:
                35%|
                35%|
                             | 35148/100000 [07:48<15:41, 68.89it/s]
Training Step:
Training Step:
                35%|
                             | 35155/100000 [07:48<15:43,
68.72it/s][INFO] Episode ended! Scenario Index: 1009 Reason:
out_of_road.
Training Step:
                35%|
                             | 35162/100000 [07:48<17:51, 60.51it/s]
Training Step:
                35%|
                             | 35170/100000 [07:48<16:36, 65.04it/s]
Training Step:
                35%|
                             | 35178/100000 [07:48<15:48, 68.31it/s]
Training Step:
                35%|
                             | 35185/100000 [07:48<16:05,
67.12it/s][INFO] Episode ended! Scenario Index: 1012 Reason:
out_of_road.
Training Step:
                             | 35192/100000 [07:48<19:46, 54.61it/s]
                35%|
Training Step:
                35%|
                             | 35200/100000 [07:48<18:02, 59.87it/s]
Training Step:
                35%|
                            | 35208/100000 [07:48<16:56, 63.74it/s]
Training Step:
                             | 35216/100000 [07:49<16:32, 65.29it/s]
                35%|
Training Step:
                35%|
                            | 35223/100000 [07:49<16:15, 66.43it/s]
                             | 35231/100000 [07:49<15:51, 68.10it/s]
Training Step:
                35%|
Training Step:
                35%|
                             | 35238/100000 [07:49<15:54, 67.87it/s]
Training Step:
                35%|
                             | 35246/100000 [07:49<15:39, 68.95it/s]
Training Step:
                35%|
                             | 35254/100000 [07:49<15:41,
68.77it/s][INFO] Episode ended! Scenario Index: 1010 Reason:
```

```
out_of_road.
```

Training Step:

35%|

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Training Step:
                35%|
                             | 35270/100000 [07:49<15:57, 67.64it/s]
Training Step:
                             | 35279/100000 [07:50<14:55, 72.25it/s]
                35%1
Training Step:
                35%|
                             | 35287/100000 [07:50<14:32, 74.16it/s]
Training Step:
                35%|
                             | 35296/100000 [07:50<14:15, 75.61it/s]
Training Step:
                35%|
                             | 35305/100000 [07:50<13:50, 77.87it/s]
                             | 35314/100000 [07:50<13:51, 77.79it/s]
Training Step:
                35%|
Training Step:
                35%|
                             | 35322/100000 [07:50<13:49, 77.96it/s]
Training Step:
                             | 35330/100000 [07:50<13:48, 78.10it/s]
                35%|
Training Step:
                             | 35338/100000 [07:50<14:01, 76.89it/s]
                35%|
                             | 35346/100000 [07:50<14:05, 76.47it/s]
Training Step:
                35%|
                             | 35354/100000 [07:50<14:11, 75.95it/s]
Training Step:
                35%|
                             | 35362/100000 [07:51<14:34, 73.94it/s]
Training Step:
                35%|
                35%|
                             | 35370/100000 [07:51<15:13, 70.77it/s]
Training Step:
Training Step:
                35%|
                             | 35378/100000 [07:51<16:49, 64.04it/s]
Training Step:
                35%|
                             | 35385/100000 [07:51<16:30, 65.23it/s]
Training Step:
                             | 35392/100000 [07:51<16:24, 65.62it/s]
                35%|
Training Step:
                35%1
                             | 35399/100000 [07:51<16:14, 66.27it/s]
Training Step:
                35%|
                             | 35406/100000 [07:51<16:04, 66.94it/s]
                             | 35414/100000 [07:51<15:58, 67.39it/s]
Training Step:
                35%|
Training Step:
                35%1
                             | 35421/100000 [07:52<16:19, 65.92it/s]
Training Step:
                35%|
                             | 35428/100000 [07:52<16:56,
63.52it/s][INFO] Episode ended! Scenario Index: 1014 Reason:
out_of_road.
Training Step:
                35%|
                             | 35435/100000 [07:52<19:59, 53.81it/s]
                             | 35442/100000 [07:52<18:40, 57.62it/s]
Training Step:
                35%|
Training Step:
                35%1
                             | 35450/100000 [07:52<17:45, 60.57it/s]
Training Step:
                35%|
                             | 35457/100000 [07:52<17:17, 62.22it/s]
Training Step:
                35%|
                             | 35464/100000 [07:52<18:09, 59.22it/s]
Training Step:
                35%|
                             | 35471/100000 [07:52<18:11, 59.10it/s]
Training Step:
                35%|
                             | 35478/100000 [07:53<18:46, 57.30it/s]
Training Step:
                             | 35484/100000 [07:53<18:55, 56.83it/s]
                35%|
                             | 35490/100000 [07:53<18:53, 56.91it/s]
Training Step:
                35%|
Training Step:
                35%|
                             | 35496/100000 [07:53<19:04, 56.37it/s]
Training Step:
                36%1
                             | 35502/100000 [07:53<19:34, 54.91it/s]
Training Step:
                             | 35508/100000 [07:53<20:05, 53.49it/s]
                36%|
Training Step:
                36%1
                             | 35514/100000 [07:53<19:52, 54.08it/s]
Training Step:
                36%|
                             | 35520/100000 [07:53<19:33, 54.95it/s]
Training Step:
                             | 35526/100000 [07:53<20:10,
                36%1
53.24it/s][INFO] Episode ended! Scenario Index: 1018 Reason:
out_of_road.
Training Step:
                36%1
                             | 35532/100000 [07:54<23:04, 46.56it/s]
Training Step:
                36%1
                             | 35540/100000 [07:54<20:15, 53.02it/s]
Training Step:
                36%1
                             | 35548/100000 [07:54<18:09, 59.15it/s]
```

| 35261/100000 [07:49<17:14, 62.56it/s]

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Training Step:
                36%|
                             | 35562/100000 [07:54<17:08, 62.66it/s]
Training Step:
                36%1
                             | 35569/100000 [07:54<16:52, 63.64it/s]
Training Step:
                36%|
                             | 35576/100000 [07:54<17:11, 62.45it/s]
Training Step:
                             | 35583/100000 [07:54<16:43, 64.18it/s]
                36%1
Training Step:
                36%1
                             | 35590/100000 [07:54<16:35, 64.72it/s]
Training Step:
                36%|
                             | 35597/100000 [07:55<16:15,
66.03it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
out_of_road.
                             | 35604/100000 [07:55<19:44, 54.35it/s]
Training Step:
                36%|
                             | 35612/100000 [07:55<17:55, 59.86it/s]
Training Step:
                36%1
                             | 35620/100000 [07:55<17:05, 62.81it/s]
Training Step:
                36%|
                             | 35627/100000 [07:55<17:14, 62.24it/s]
Training Step:
                36%1
                             | 35634/100000 [07:55<18:05, 59.31it/s]
Training Step:
                36%1
                             | 35641/100000 [07:55<18:16, 58.69it/s]
Training Step:
                36%|
Training Step:
                36%1
                             | 35647/100000 [07:55<18:10, 59.03it/s]
Training Step:
                36%1
                             | 35653/100000 [07:56<18:08, 59.13it/s]
Training Step:
                             | 35660/100000 [07:56<18:07, 59.19it/s]
                36%|
Training Step:
                36%1
                             | 35666/100000 [07:56<18:08, 59.09it/s]
Training Step:
                36%|
                             | 35673/100000 [07:56<17:55,
59.80it/s][INFO] Episode ended! Scenario Index: 1003 Reason:
out_of_road.
Training Step:
                36%|
                             | 35679/100000 [07:56<20:42, 51.78it/s]
Training Step:
                36%|
                             | 35687/100000 [07:56<18:21, 58.41it/s]
Training Step:
                36%1
                             | 35695/100000 [07:56<17:03, 62.81it/s]
Training Step:
                36%1
                             | 35703/100000 [07:56<16:08, 66.39it/s]
                             | 35711/100000 [07:56<15:29, 69.19it/s]
Training Step:
                36%|
Training Step:
                36%1
                             | 35719/100000 [07:57<14:57, 71.61it/s]
                             | 35727/100000 [07:57<14:43, 72.76it/s]
Training Step:
                36%|
Training Step:
                36%|
                             | 35735/100000 [07:57<14:36, 73.36it/s]
Training Step:
                36%|
                             | 35743/100000 [07:57<14:55, 71.77it/s]
Training Step:
                36%|
                             | 35751/100000 [07:57<15:08, 70.70it/s]
Training Step:
                36%|
                             | 35759/100000 [07:57<15:17,
69.99it/s][INFO] Episode ended! Scenario Index: 1009 Reason:
out of road.
Training Step:
                             | 35767/100000 [07:57<18:01, 59.40it/s]
                36%|
Training Step:
                36%1
                             | 35774/100000 [07:57<17:31, 61.09it/s]
Training Step:
                36%|
                             | 35782/100000 [07:57<16:42, 64.03it/s]
Training Step:
                36%1
                             | 35790/100000 [07:58<16:22, 65.38it/s]
Training Step:
                36%|
                             | 35797/100000 [07:58<16:04, 66.59it/s]
                             | 35804/100000 [07:58<16:24, 65.21it/s]
Training Step:
                36%1
Training Step:
                36%1
                             | 35811/100000 [07:58<16:15, 65.80it/s]
Training Step:
                36%|
                             | 35818/100000 [07:58<16:35, 64.45it/s]
Training Step:
                36%|
                             | 35825/100000 [07:58<16:36, 64.39it/s]
Training Step:
                36%1
                             | 35832/100000 [07:58<16:42,
```

| 35555/100000 [07:54<17:19, 62.02it/s]

Training Step:

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63.99it/s][INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
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Training Step:
                             | 35839/100000 [07:58<19:24, 55.07it/s]
                36%|
Training Step:
                             | 35846/100000 [07:59<18:21, 58.23it/s]
                36%1
Training Step:
                36%|
                             | 35854/100000 [07:59<17:07, 62.45it/s]
Training Step:
                36%|
                             | 35862/100000 [07:59<16:23, 65.22it/s]
Training Step:
                36%|
                             | 35870/100000 [07:59<16:01, 66.70it/s]
Training Step:
                             | 35878/100000 [07:59<15:29, 69.00it/s]
                36%|
Training Step:
                36%|
                             | 35886/100000 [07:59<15:22, 69.54it/s]
                             | 35894/100000 [07:59<15:12, 70.29it/s]
Training Step:
                36%|
Training Step:
                             | 35902/100000 [07:59<15:19, 69.69it/s]
                36%|
                             | 35910/100000 [07:59<15:20, 69.65it/s]
Training Step:
                36%|
                             | 35917/100000 [08:00<15:26, 69.18it/s]
Training Step:
                36%|
Training Step:
                36%1
                             | 35924/100000 [08:00<15:51,
67.36it/s][INFO] Episode ended! Scenario Index: 1019 Reason:
out_of_road.
                             | 35931/100000 [08:00<18:52, 56.56it/s]
Training Step:
                36%|
Training Step:
                36%1
                             | 35938/100000 [08:00<18:05, 59.01it/s]
Training Step:
                36%|
                             | 35946/100000 [08:00<17:25, 61.28it/s]
Training Step:
                             | 35953/100000 [08:00<17:06, 62.41it/s]
                36%|
Training Step:
                36%1
                             | 35960/100000 [08:00<17:50, 59.80it/s]
Training Step:
                             | 35967/100000 [08:00<18:14, 58.49it/s]
                36%|
Training Step:
                36%|
                             | 35973/100000 [08:01<18:41, 57.11it/s]
                             | 35979/100000 [08:01<18:52, 56.52it/s]
Training Step:
                36%|
Training Step:
                36%|
                             | 35985/100000 [08:01<18:46, 56.85it/s]
Training Step:
                36%|
                             | 35991/100000 [08:01<18:56, 56.32it/s]
                             | 35997/100000 [08:01<19:10,
Training Step:
                36%1
55.64it/s][INFO] Episode ended! Scenario Index: 1003 Reason:
out_of_road.
Training Step:
                36%1
                             | 36003/100000 [08:01<22:40, 47.05it/s]
Training Step:
                36%|
                             | 36010/100000 [08:01<20:13, 52.72it/s]
Training Step:
                             | 36018/100000 [08:01<18:39, 57.16it/s]
                36%|
                             | 36026/100000 [08:01<17:27, 61.07it/s]
Training Step:
                36%|
                             | 36033/100000 [08:02<16:56, 62.94it/s]
Training Step:
                36%|
Training Step:
                36%1
                             | 36041/100000 [08:02<16:09, 65.99it/s]
Training Step:
                             | 36048/100000 [08:02<16:34, 64.34it/s]
                36%|
Training Step:
                36%|
                             | 36055/100000 [08:02<16:10, 65.88it/s]
Training Step:
                36%|
                             | 36062/100000 [08:02<16:19, 65.28it/s]
Training Step:
                36%1
                             | 36069/100000 [08:02<16:07, 66.05it/s]
Training Step:
                36%|
                             | 36076/100000 [08:02<16:45, 63.56it/s]
                             | 36083/100000 [08:02<18:04, 58.95it/s]
Training Step:
                36%|
                             | 36089/100000 [08:02<18:07, 58.76it/s]
Training Step:
                36%|
```

| 36109/100000 [08:03<17:21,

| 36095/100000 [08:03<18:04, 58.94it/s]

| 36102/100000 [08:03<18:07, 58.75it/s]

Training Step:

Training Step:

Training Step:

36%|

36%|

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out_of_road.
Training Step:
                             | 36116/100000 [08:03<19:44, 53.94it/s]
                36%|
Training Step:
                             | 36124/100000 [08:03<17:40, 60.22it/s]
                36%1
Training Step:
                36%|
                            | 36132/100000 [08:03<16:38, 63.93it/s]
Training Step:
                36%|
                            | 36139/100000 [08:03<16:32, 64.35it/s]
Training Step:
                36%|
                             | 36146/100000 [08:03<16:54, 62.97it/s]
Training Step:
                            | 36153/100000 [08:03<16:40, 63.84it/s]
                36%|
Training Step:
                36%1
                             | 36160/100000 [08:04<16:51, 63.10it/s]
Training Step:
                36%|
                             | 36167/100000 [08:04<16:43,
63.60it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
out_of_road.
Training Step:
                36%1
                             | 36174/100000 [08:04<19:15, 55.24it/s]
Training Step:
                36%1
                             | 36182/100000 [08:04<17:44, 59.95it/s]
Training Step:
                36%|
                             | 36190/100000 [08:04<16:51, 63.09it/s]
Training Step:
                36%|
                            | 36198/100000 [08:04<16:25, 64.71it/s]
Training Step:
                             | 36206/100000 [08:04<16:04, 66.14it/s]
                36%|
Training Step:
                36%1
                             | 36214/100000 [08:04<15:42, 67.67it/s]
Training Step:
                36%|
                             | 36222/100000 [08:05<15:29,
68.59it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
out_of_road.
Training Step:
                36%|
                             | 36230/100000 [08:05<17:31, 60.66it/s]
                             | 36238/100000 [08:05<16:24, 64.80it/s]
Training Step:
                36%|
Training Step:
                36%|
                            | 36246/100000 [08:05<15:41, 67.68it/s]
Training Step:
                36%|
                             | 36254/100000 [08:05<15:22, 69.13it/s]
                             36262/100000 [08:05<15:41,
Training Step:
                36%1
67.67it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
out_of_road.
Training Step:
                36%1
                             | 36269/100000 [08:05<18:44, 56.66it/s]
Training Step:
                36%|
                            | 36277/100000 [08:05<17:30, 60.66it/s]
Training Step:
                             | 36284/100000 [08:06<16:56, 62.69it/s]
                36%|
                             | 36291/100000 [08:06<16:49, 63.12it/s]
Training Step:
                36%|
                             | 36298/100000 [08:06<17:15, 61.50it/s]
Training Step:
                36%|
Training Step:
                36%1
                            | 36305/100000 [08:06<17:34, 60.39it/s]
Training Step:
                            | 36312/100000 [08:06<18:10, 58.42it/s]
                36%|
Training Step:
                36%|
                             | 36318/100000 [08:06<18:22, 57.78it/s]
Training Step:
                36%|
                            | 36324/100000 [08:06<18:49, 56.37it/s]
Training Step:
                36%1
                             | 36330/100000 [08:06<18:51, 56.27it/s]
Training Step:
                36%|
                             | 36336/100000 [08:06<19:06, 55.53it/s]
Training Step:
                             | 36342/100000 [08:07<19:09, 55.39it/s]
                36%|
Training Step:
                36%1
                             | 36348/100000 [08:07<19:20,
54.85it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
out_of_road.
```

61.33it/s][INFO] Episode ended! Scenario Index: 1016 Reason:

```
Training Step:
                36%|
                             | 36354/100000 [08:07<20:53, 50.79it/s]
Training Step:
                36%|
                             | 36362/100000 [08:07<18:22, 57.71it/s]
Training Step:
                36%1
                             | 36370/100000 [08:07<16:48, 63.07it/s]
Training Step:
                36%|
                             | 36378/100000 [08:07<16:12, 65.40it/s]
Training Step:
                             | 36386/100000 [08:07<15:31, 68.30it/s]
                36%1
Training Step:
                36%|
                             | 36394/100000 [08:07<15:01, 70.58it/s]
Training Step:
                36%|
                             | 36402/100000 [08:07<15:01, 70.55it/s]
                             | 36410/100000 [08:08<14:53, 71.21it/s]
Training Step:
                36%1
Training Step:
                             | 36418/100000 [08:08<14:44, 71.86it/s]
                36%|
                             | 36426/100000 [08:08<14:29, 73.12it/s]
Training Step:
                36%1
                             | 36434/100000 [08:08<14:42,
Training Step:
                36%|
72.01it/s][INFO] Episode ended! Scenario Index: 1001 Reason:
out_of_road.
                             | 36442/100000 [08:08<17:30, 60.53it/s]
Training Step:
                36%1
Training Step:
                36%|
                             | 36450/100000 [08:08<16:34, 63.90it/s]
Training Step:
                36%|
                             | 36458/100000 [08:08<16:17, 65.02it/s]
Training Step:
                36%|
                             | 36466/100000 [08:08<15:53, 66.60it/s]
Training Step:
                             | 36474/100000 [08:09<15:40, 67.56it/s]
                36%|
Training Step:
                36%1
                             | 36481/100000 [08:09<15:42, 67.39it/s]
Training Step:
                36%|
                             | 36488/100000 [08:09<15:50,
66.83it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
out_of_road.
Training Step:
                36%|
                             | 36496/100000 [08:09<18:20, 57.70it/s]
                             | 36504/100000 [08:09<17:24, 60.77it/s]
Training Step:
                37%|
                             | 36512/100000 [08:09<16:17, 64.96it/s]
Training Step:
                37%|
                             | 36520/100000 [08:09<15:28, 68.37it/s]
Training Step:
                37%|
                             | 36528/100000 [08:09<15:11, 69.63it/s]
Training Step:
                37%|
Training Step:
                37%1
                             | 36536/100000 [08:09<14:54, 70.92it/s]
Training Step:
                37%|
                             | 36544/100000 [08:10<14:57, 70.69it/s]
                             | 36552/100000 [08:10<15:04, 70.16it/s]
Training Step:
                37%1
Training Step:
                37%|
                             | 36560/100000 [08:10<15:11, 69.62it/s]
Training Step:
                37%|
                             | 36567/100000 [08:10<15:19, 68.97it/s]
Training Step:
                             | 36575/100000 [08:10<15:02, 70.28it/s]
                37%|
Training Step:
                37%|
                             | 36583/100000 [08:10<15:19,
68.95it/s][INFO] Episode ended! Scenario Index: 1009 Reason:
out of road.
Training Step:
                37%|
                             | 36590/100000 [08:10<17:43, 59.61it/s]
Training Step:
                37%|
                             | 36598/100000 [08:10<16:36, 63.63it/s]
Training Step:
                37%1
                             | 36606/100000 [08:11<15:43, 67.20it/s]
Training Step:
                37%|
                             | 36614/100000 [08:11<15:38, 67.56it/s]
                             | 36622/100000 [08:11<15:25, 68.47it/s]
Training Step:
                37%|
Training Step:
                37%1
                             | 36630/100000 [08:11<15:17, 69.05it/s]
Training Step:
                37%1
                             | 36638/100000 [08:11<15:08,
69.75it/s][INFO] Episode ended! Scenario Index: 1016 Reason:
out_of_road.
```

```
| 36646/100000 [08:11<17:37, 59.94it/s]
Training Step:
                37%|
Training Step:
                37%1
                             | 36654/100000 [08:11<16:31, 63.90it/s]
Training Step:
                37%|
                             | 36662/100000 [08:11<15:50, 66.65it/s]
Training Step:
                             | 36670/100000 [08:11<15:26, 68.37it/s]
                37%1
Training Step:
                37%|
                             | 36677/100000 [08:12<15:20, 68.81it/s]
Training Step:
                37%|
                             | 36684/100000 [08:12<15:33, 67.82it/s]
Training Step:
                37%1
                             | 36691/100000 [08:12<15:35, 67.67it/s]
Training Step:
                             | 36698/100000 [08:12<15:50, 66.63it/s]
                37%|
Training Step:
                37%|
                             | 36705/100000 [08:12<15:55, 66.27it/s]
Training Step:
                37%|
                             | 36712/100000 [08:12<16:17,
64.76it/s][INFO] Episode ended! Scenario Index: 1006 Reason:
out_of_road.
Training Step:
                37%|
                             | 36719/100000 [08:12<18:12, 57.94it/s]
Training Step:
                37%|
                             | 36727/100000 [08:12<16:36, 63.50it/s]
Training Step:
                37%|
                             | 36736/100000 [08:12<15:31, 67.91it/s]
Training Step:
                37%|
                             | 36744/100000 [08:13<14:51, 70.98it/s]
Training Step:
                             | 36752/100000 [08:13<14:42, 71.70it/s]
                37%|
                             | 36760/100000 [08:13<14:28, 72.80it/s]
Training Step:
                37%1
Training Step:
                37%|
                             | 36768/100000 [08:13<14:32, 72.50it/s]
                             | 36776/100000 [08:13<14:31, 72.54it/s]
Training Step:
                37%|
Training Step:
                37%1
                             | 36784/100000 [08:13<14:21, 73.40it/s]
Training Step:
                             | 36792/100000 [08:13<14:23, 73.20it/s]
                37%|
Training Step:
                37%1
                             | 36800/100000 [08:13<14:17,
73.66it/s][INFO] Episode ended! Scenario Index: 1019 Reason:
out_of_road.
                             | 36808/100000 [08:14<16:45, 62.82it/s]
Training Step:
                37%|
Training Step:
                37%1
                             | 36816/100000 [08:14<16:04, 65.50it/s]
Training Step:
                37%|
                             | 36824/100000 [08:14<15:45, 66.84it/s]
Training Step:
                37%1
                             | 36831/100000 [08:14<16:15, 64.77it/s]
Training Step:
                37%|
                             | 36838/100000 [08:14<16:58, 62.04it/s]
Training Step:
                37%|
                             | 36845/100000 [08:14<17:06, 61.55it/s]
Training Step:
                             | 36852/100000 [08:14<17:32, 59.98it/s]
                37%|
                             | 36859/100000 [08:14<17:28, 60.24it/s]
Training Step:
                37%|
Training Step:
                37%|
                             | 36866/100000 [08:14<17:56, 58.63it/s]
Training Step:
                37%1
                             | 36872/100000 [08:15<18:34,
56.62it/s][INFO] Episode ended! Scenario Index: 1007 Reason:
out_of_road.
                             | 36878/100000 [08:15<21:31, 48.88it/s]
Training Step:
                37%|
Training Step:
                37%|
                             | 36886/100000 [08:15<19:13, 54.70it/s]
                             | 36894/100000 [08:15<17:34, 59.86it/s]
Training Step:
                37%|
                             | 36901/100000 [08:15<17:45, 59.24it/s]
Training Step:
                37%|
Training Step:
                37%|
                             | 36908/100000 [08:15<17:45, 59.23it/s]
Training Step:
                37%|
                             | 36915/100000 [08:15<17:28, 60.16it/s]
Training Step:
                37%|
                             | 36922/100000 [08:15<17:30, 60.06it/s]
```

```
60.46it/s][INFO] Episode ended! Scenario Index: 1004 Reason:
out_of_road.
                             | 36936/100000 [08:16<19:48, 53.04it/s]
Training Step:
                37%|
Training Step:
                37%|
                            | 36944/100000 [08:16<17:37, 59.63it/s]
Training Step:
                37%|
                            | 36952/100000 [08:16<16:14, 64.73it/s]
Training Step:
                37%1
                            | 36959/100000 [08:16<16:03, 65.44it/s]
                            | 36966/100000 [08:16<16:05, 65.26it/s]
Training Step:
                37%|
Training Step:
                37%|
                             | 36974/100000 [08:16<15:33, 67.48it/s]
                37%|
                             | 36981/100000 [08:16<15:34, 67.43it/s]
Training Step:
                             | 36988/100000 [08:16<15:27,
Training Step:
                37%|
67.97it/s][INFO] Episode ended! Scenario Index: 1001 Reason:
out_of_road.
Training Step:
                37%|
                             | 36995/100000 [08:17<18:31, 56.68it/s]
Training Step:
                37%|
                             | 37003/100000 [08:17<17:12, 61.03it/s]
Training Step:
                37%|
                            | 37010/100000 [08:17<16:41, 62.88it/s]
Training Step:
                            | 37017/100000 [08:17<17:20, 60.55it/s]
                37%|
Training Step:
                37%1
                            | 37024/100000 [08:17<17:58, 58.42it/s]
Training Step:
                37%|
                            | 37030/100000 [08:17<18:01, 58.22it/s]
                             | 37036/100000 [08:17<18:26, 56.88it/s]
Training Step:
                37%|
Training Step:
                37%1
                             | 37042/100000 [08:17<18:43, 56.05it/s]
Training Step:
                             | 37048/100000 [08:18<19:04,
                37%|
55.03it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
out_of_road.
Training Step:
                37%|
                             | 37054/100000 [08:18<22:13, 47.21it/s]
                             | 37062/100000 [08:18<19:23, 54.09it/s]
                37%|
Training Step:
Training Step:
                37%|
                             | 37070/100000 [08:18<17:45, 59.06it/s]
Training Step:
                37%|
                            | 37077/100000 [08:18<17:04, 61.44it/s]
Training Step:
                37%|
                            | 37084/100000 [08:18<16:31, 63.43it/s]
Training Step:
                37%|
                             | 37092/100000 [08:18<16:03, 65.31it/s]
Training Step:
                37%|
                            | 37100/100000 [08:18<15:34, 67.32it/s]
Training Step:
                            | 37108/100000 [08:18<15:07, 69.30it/s]
                37%|
                            | 37115/100000 [08:19<15:20, 68.35it/s]
Training Step:
                37%|
Training Step:
                37%|
                             | 37122/100000 [08:19<16:02, 65.32it/s]
Training Step:
                37%1
                             | 37129/100000 [08:19<17:04,
61.36it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
out_of_road.
                             | 37136/100000 [08:19<20:19, 51.56it/s]
Training Step:
                37%|
Training Step:
                37%|
                             | 37144/100000 [08:19<18:11, 57.59it/s]
                             | 37152/100000 [08:19<17:06, 61.20it/s]
Training Step:
                37%|
Training Step:
                37%|
                             | 37159/100000 [08:19<16:35, 63.14it/s]
Training Step:
                37%|
                             | 37166/100000 [08:19<16:43, 62.63it/s]
Training Step:
                37%|
                             | 37173/100000 [08:20<16:58, 61.71it/s]
Training Step:
                37%|
                             | 37180/100000 [08:20<17:22, 60.28it/s]
```

| 36929/100000 [08:16<17:23,

Training Step: 37%

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Training Step:
                            | 37187/100000 [08:20<17:08, 61.08it/s]
                37%|
Training Step:
                37%|
                            | 37194/100000 [08:20<17:11, 60.86it/s]
Training Step:
                37%|
                            | 37201/100000 [08:20<17:06, 61.18it/s]
Training Step:
                37%|
                            | 37208/100000 [08:20<17:26, 59.99it/s]
Training Step:
                            | 37215/100000 [08:20<17:22, 60.25it/s]
                37%1
Training Step:
                37%|
                            | 37222/100000 [08:20<17:16, 60.59it/s]
Training Step:
                37%|
                            | 37229/100000 [08:20<17:01, 61.47it/s]
Training Step:
                37%1
                            | 37236/100000 [08:21<17:14,
60.65it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
out_of_road.
                            | 37243/100000 [08:21<19:03, 54.87it/s]
Training Step:
                37%|
                37%|
                            | 37252/100000 [08:21<16:59, 61.53it/s]
Training Step:
                            | 37261/100000 [08:21<15:22, 67.99it/s]
Training Step:
                37%|
                            | 37270/100000 [08:21<14:47, 70.65it/s]
Training Step:
                37%|
Training Step:
                37%1
                            | 37278/100000 [08:21<14:28, 72.18it/s]
Training Step:
                37%|
                            | 37286/100000 [08:21<14:17, 73.12it/s]
Training Step:
                37%|
                            | 37294/100000 [08:21<14:07, 74.00it/s]
Training Step:
                            | 37302/100000 [08:22<13:53, 75.27it/s]
                37%|
                            | 37310/100000 [08:22<13:42, 76.18it/s]
Training Step:
                37%1
                            | 37318/100000 [08:22<13:47, 75.75it/s]
Training Step:
                37%1
Training Step:
                37%|
                            | 37326/100000 [08:22<13:59,
74.66it/s][INFO] Episode ended! Scenario Index: 1014 Reason:
out_of_road.
Training Step:
                37%|
                            | 37334/100000 [08:22<16:28, 63.42it/s]
Training Step:
                37%|
                            | 37342/100000 [08:22<16:04, 64.99it/s]
Training Step:
                37%|
                            | 37350/100000 [08:22<15:16, 68.33it/s]
                            | 37358/100000 [08:22<15:00, 69.59it/s]
Training Step:
                37%|
Training Step:
                37%|
                            | 37366/100000 [08:22<15:02, 69.38it/s]
Training Step:
                37%|
                            | 37374/100000 [08:23<15:01, 69.44it/s]
Training Step:
                37%|
                            | 37382/100000 [08:23<14:51, 70.21it/s]
Training Step:
                37%|
                            | 37390/100000 [08:23<14:54, 70.02it/s]
                            | 37398/100000 [08:23<15:05, 69.16it/s]
Training Step:
                37%|
Training Step:
                            | 37406/100000 [08:23<15:15, 68.39it/s]
                37%|
Training Step:
                37%|
                            | 37413/100000 [08:23<15:14,
68.46it/s][INFO] Episode ended! Scenario Index: 1016 Reason:
out of road.
Training Step:
                37%|
                            | 37420/100000 [08:23<16:41, 62.50it/s]
Training Step:
                37%|
                            | 37428/100000 [08:23<15:49, 65.89it/s]
Training Step:
                37%|
                            | 37436/100000 [08:23<15:02, 69.33it/s]
Training Step:
                37%|
                            | 37444/100000 [08:24<14:35, 71.49it/s]
                37%|
                            | 37452/100000 [08:24<14:13,
Training Step:
73.27it/s][INFO] Episode ended! Scenario Index: 1014 Reason:
out_of_road.
Training Step: 37%|
                            | 37460/100000 [08:24<16:30, 63.13it/s]
```

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Training Step:
                37%|
                             | 37468/100000 [08:24<15:48, 65.92it/s]
Training Step:
                37%|
                             | 37476/100000 [08:24<15:26, 67.50it/s]
Training Step:
                37%|
                             | 37483/100000 [08:24<15:52, 65.62it/s]
Training Step:
                37%|
                            | 37490/100000 [08:24<16:36, 62.76it/s]
Training Step:
                             | 37497/100000 [08:24<17:00, 61.27it/s]
                37%1
Training Step:
                38%|
                            | 37504/100000 [08:25<17:20, 60.08it/s]
Training Step:
                38%|
                             | 37511/100000 [08:25<17:24, 59.85it/s]
Training Step:
                38%1
                             | 37518/100000 [08:25<17:47, 58.52it/s]
Training Step:
                             | 37524/100000 [08:25<18:02, 57.70it/s]
                38%|
Training Step:
                38%|
                             | 37530/100000 [08:25<18:05,
57.55it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
out_of_road.
                             | 37536/100000 [08:25<21:30, 48.41it/s]
Training Step:
                38%|
                             | 37545/100000 [08:25<18:03, 57.63it/s]
Training Step:
                38%|
                38%|
                             | 37554/100000 [08:25<16:21, 63.64it/s]
Training Step:
Training Step:
                38%|
                             | 37561/100000 [08:26<16:16, 63.97it/s]
Training Step:
                38%|
                            | 37568/100000 [08:26<16:55, 61.47it/s]
Training Step:
                            | 37575/100000 [08:26<17:19, 60.07it/s]
                38%|
Training Step:
                38%1
                            | 37582/100000 [08:26<17:41, 58.82it/s]
Training Step:
                38%|
                             | 37588/100000 [08:26<17:35, 59.13it/s]
                             | 37594/100000 [08:26<17:39, 58.89it/s]
Training Step:
                38%|
Training Step:
                38%1
                             | 37600/100000 [08:26<18:06, 57.45it/s]
Training Step:
                             | 37606/100000 [08:26<18:02,
                38%|
57.65it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
out_of_road.
Training Step:
                38%|
                             | 37612/100000 [08:26<20:58, 49.56it/s]
                             | 37620/100000 [08:27<18:33, 56.04it/s]
Training Step:
                38%|
Training Step:
                38%|
                             | 37628/100000 [08:27<16:51, 61.69it/s]
Training Step:
                38%|
                             | 37635/100000 [08:27<17:10, 60.50it/s]
Training Step:
                38%|
                             | 37642/100000 [08:27<17:24, 59.69it/s]
Training Step:
                38%|
                             | 37649/100000 [08:27<17:31, 59.27it/s]
Training Step:
                38%|
                            | 37656/100000 [08:27<17:42, 58.69it/s]
Training Step:
                             | 37662/100000 [08:27<17:49, 58.27it/s]
                38%|
                            | 37668/100000 [08:27<17:52, 58.11it/s]
Training Step:
                38%|
Training Step:
                38%|
                             | 37674/100000 [08:27<18:03, 57.52it/s]
Training Step:
                38%1
                             | 37680/100000 [08:28<17:53,
58.05it/s][INFO] Episode ended! Scenario Index: 1003 Reason:
out_of_road.
                             | 37686/100000 [08:28<21:39, 47.95it/s]
Training Step:
                38%|
Training Step:
                38%|
                             | 37694/100000 [08:28<18:44, 55.40it/s]
Training Step:
                38%|
                             | 37702/100000 [08:28<17:08, 60.56it/s]
Training Step:
                38%|
                             | 37709/100000 [08:28<16:30, 62.92it/s]
Training Step:
                38%|
                             | 37716/100000 [08:28<16:53, 61.48it/s]
Training Step:
                38%|
                             | 37723/100000 [08:28<16:56, 61.30it/s]
Training Step:
                38%|
                             | 37730/100000 [08:28<17:31, 59.21it/s]
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Training Step:
                38%|
                             | 37744/100000 [08:29<17:43, 58.54it/s]
Training Step:
                38%|
                             | 37751/100000 [08:29<17:25, 59.52it/s]
Training Step:
                38%|
                             | 37757/100000 [08:29<17:42,
58.56it/s][INFO] Episode ended! Scenario Index: 1003 Reason:
out of road.
Training Step:
                38%|
                             | 37763/100000 [08:29<21:11, 48.95it/s]
Training Step:
                38%|
                             | 37770/100000 [08:29<19:13, 53.96it/s]
Training Step:
                38%1
                             | 37778/100000 [08:29<17:15, 60.06it/s]
                             | 37786/100000 [08:29<16:19, 63.52it/s]
Training Step:
                38%|
Training Step:
                             | 37793/100000 [08:30<16:18, 63.56it/s]
                38%|
                            | 37800/100000 [08:30<16:44, 61.93it/s]
Training Step:
                38%|
                             | 37807/100000 [08:30<16:41, 62.10it/s]
Training Step:
                38%|
                             | 37814/100000 [08:30<16:36, 62.38it/s]
Training Step:
                38%|
Training Step:
                38%|
                             | 37821/100000 [08:30<16:38, 62.25it/s]
Training Step:
                38%|
                             | 37828/100000 [08:30<16:58, 61.03it/s]
Training Step:
                38%|
                            | 37835/100000 [08:30<16:51, 61.46it/s]
Training Step:
                            | 37842/100000 [08:30<17:10, 60.33it/s]
                38%|
Training Step:
                38%1
                            | 37849/100000 [08:30<16:56, 61.12it/s]
Training Step:
                38%|
                             | 37856/100000 [08:31<17:13, 60.10it/s]
                             | 37863/100000 [08:31<17:11, 60.22it/s]
Training Step:
                38%|
Training Step:
                38%1
                             | 37870/100000 [08:31<17:30, 59.15it/s]
Training Step:
                38%|
                             | 37877/100000 [08:31<17:18,
59.81it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
out_of_road.
Training Step:
                38%|
                             | 37883/100000 [08:31<20:04, 51.57it/s]
                             | 37891/100000 [08:31<17:57, 57.62it/s]
Training Step:
                38%|
Training Step:
                38%|
                             | 37899/100000 [08:31<16:24, 63.07it/s]
Training Step:
                38%|
                             | 37906/100000 [08:31<16:37, 62.26it/s]
Training Step:
                38%|
                             | 37913/100000 [08:31<16:46, 61.69it/s]
Training Step:
                38%|
                             | 37920/100000 [08:32<17:24, 59.44it/s]
Training Step:
                38%|
                            | 37927/100000 [08:32<17:30, 59.11it/s]
Training Step:
                             | 37933/100000 [08:32<17:53, 57.82it/s]
                38%|
                            | 37939/100000 [08:32<17:53, 57.79it/s]
Training Step:
                38%|
Training Step:
                38%|
                             | 37945/100000 [08:32<18:03, 57.29it/s]
Training Step:
                38%1
                             | 37951/100000 [08:32<17:54, 57.72it/s]
Training Step:
                             | 37957/100000 [08:32<18:04,
                38%|
57.23it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
out_of_road.
Training Step:
                38%|
                             | 37963/100000 [08:32<21:00, 49.21it/s]
Training Step:
                             | 37971/100000 [08:33<18:14, 56.66it/s]
                38%|
Training Step:
                38%|
                             | 37979/100000 [08:33<16:52, 61.24it/s]
Training Step:
                38%|
                             | 37987/100000 [08:33<15:50, 65.26it/s]
Training Step:
                38%|
                             | 37994/100000 [08:33<15:57, 64.77it/s]
Training Step:
                38%|
                             | 38001/100000 [08:33<16:11, 63.82it/s]
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| 37737/100000 [08:29<17:24, 59.61it/s]

Training Step:

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Training Step:
                             | 38008/100000 [08:33<15:55, 64.88it/s]
                38%|
Training Step:
                38%|
                             | 38016/100000 [08:33<15:29,
66.69it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
out_of_road.
Training Step:
                             | 38023/100000 [08:33<17:37, 58.61it/s]
                38%|
Training Step:
                38%|
                             | 38031/100000 [08:33<16:09, 63.93it/s]
Training Step:
                38%1
                             | 38039/100000 [08:34<15:20, 67.34it/s]
Training Step:
                            | 38047/100000 [08:34<14:58, 68.92it/s]
                38%|
Training Step:
                38%|
                             | 38055/100000 [08:34<14:46, 69.86it/s]
                             | 38063/100000 [08:34<14:36, 70.70it/s]
Training Step:
                38%|
Training Step:
                             | 38071/100000 [08:34<14:44, 69.99it/s]
                38%|
Training Step:
                38%|
                             | 38079/100000 [08:34<15:21,
67.20it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
out_of_road.
Training Step:
                38%|
                             | 38086/100000 [08:34<18:34, 55.53it/s]
Training Step:
                38%|
                             | 38094/100000 [08:34<17:22, 59.36it/s]
Training Step:
                38%|
                             | 38102/100000 [08:35<16:40, 61.86it/s]
Training Step:
                38%1
                            | 38109/100000 [08:35<17:02, 60.55it/s]
                             | 38116/100000 [08:35<17:30, 58.90it/s]
Training Step:
                38%|
Training Step:
                             | 38123/100000 [08:35<17:18, 59.60it/s]
                38%|
Training Step:
                38%1
                             | 38130/100000 [08:35<17:29, 58.94it/s]
Training Step:
                38%|
                             | 38136/100000 [08:35<17:38,
58.47it/s][INFO] Episode ended! Scenario Index: 1003 Reason:
out_of_road.
Training Step:
                38%|
                             | 38142/100000 [08:35<19:43, 52.29it/s]
                             | 38150/100000 [08:35<17:43, 58.14it/s]
                38%|
Training Step:
Training Step:
                38%|
                             | 38158/100000 [08:36<16:20, 63.05it/s]
Training Step:
                38%|
                             | 38166/100000 [08:36<15:46, 65.33it/s]
Training Step:
                38%|
                             | 38174/100000 [08:36<15:04, 68.38it/s]
Training Step:
                38%|
                             | 38182/100000 [08:36<15:35, 66.11it/s]
Training Step:
                38%|
                            | 38189/100000 [08:36<15:35, 66.09it/s]
Training Step:
                             | 38196/100000 [08:36<15:27, 66.61it/s]
                38%|
                            | 38203/100000 [08:36<15:24, 66.81it/s]
Training Step:
                38%|
Training Step:
                38%|
                             | 38210/100000 [08:36<15:51, 64.96it/s]
Training Step:
                38%1
                             | 38217/100000 [08:36<15:51, 64.92it/s]
Training Step:
                             | 38224/100000 [08:36<16:07,
                38%|
63.83it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
out_of_road.
Training Step:
                38%|
                             | 38231/100000 [08:37<17:32, 58.69it/s]
                             | 38239/100000 [08:37<16:03, 64.12it/s]
Training Step:
                38%|
Training Step:
                38%|
                             | 38247/100000 [08:37<15:19, 67.16it/s]
Training Step:
                38%|
                             | 38254/100000 [08:37<16:01, 64.22it/s]
Training Step:
                38%|
                             | 38261/100000 [08:37<16:16, 63.21it/s]
Training Step:
                38%|
                             | 38268/100000 [08:37<16:45, 61.39it/s]
```

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Training Step:
                             | 38275/100000 [08:37<17:11, 59.82it/s]
                38%|
Training Step:
                38%|
                             | 38282/100000 [08:37<17:33, 58.60it/s]
Training Step:
                38%|
                             | 38288/100000 [08:38<17:34, 58.51it/s]
Training Step:
                38%|
                             | 38294/100000 [08:38<17:33, 58.60it/s]
Training Step:
                38%1
                             | 38300/100000 [08:38<17:43,
58.02it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
out of road.
Training Step:
                             | 38306/100000 [08:38<19:43, 52.14it/s]
                38%|
Training Step:
                38%|
                             | 38314/100000 [08:38<17:28, 58.85it/s]
                             | 38322/100000 [08:38<15:55, 64.57it/s]
Training Step:
                38%|
Training Step:
                             | 38330/100000 [08:38<15:20, 67.02it/s]
                38%|
                            | 38338/100000 [08:38<15:04, 68.17it/s]
Training Step:
                38%|
                             | 38345/100000 [08:38<15:05, 68.11it/s]
Training Step:
                38%|
                             | 38352/100000 [08:39<15:03, 68.26it/s]
Training Step:
                38%|
Training Step:
                38%|
                             | 38360/100000 [08:39<15:05, 68.10it/s]
Training Step:
                38%|
                             | 38368/100000 [08:39<15:01, 68.38it/s]
Training Step:
                38%|
                             | 38375/100000 [08:39<15:15,
67.33it/s][INFO] Episode ended! Scenario Index: 1010 Reason:
out of road.
                             | 38382/100000 [08:39<17:59, 57.09it/s]
Training Step:
                38%|
Training Step:
                38%1
                             | 38390/100000 [08:39<16:37, 61.74it/s]
Training Step:
                38%|
                            | 38397/100000 [08:39<16:21, 62.75it/s]
Training Step:
                38%1
                             | 38404/100000 [08:39<16:38,
61.72it/s][INFO] Episode ended! Scenario Index: 1012 Reason:
out_of_road.
Training Step:
                             | 38411/100000 [08:40<20:13, 50.74it/s]
                38%|
Training Step:
                38%|
                             | 38419/100000 [08:40<18:06, 56.68it/s]
Training Step:
                38%|
                             | 38428/100000 [08:40<16:19, 62.88it/s]
Training Step:
                38%|
                             | 38436/100000 [08:40<15:36, 65.72it/s]
Training Step:
                38%|
                             | 38443/100000 [08:40<15:35, 65.81it/s]
Training Step:
                38%|
                            | 38451/100000 [08:40<15:05, 67.99it/s]
Training Step:
                             | 38458/100000 [08:40<15:12, 67.43it/s]
                38%|
                            | 38466/100000 [08:40<14:51, 69.00it/s]
Training Step:
                38%|
                             | 38474/100000 [08:40<14:42, 69.73it/s]
Training Step:
                38%|
Training Step:
                38%1
                             | 38482/100000 [08:41<14:29, 70.75it/s]
Training Step:
                             | 38490/100000 [08:41<14:43,
                38%|
69.64it/s][INFO] Episode ended! Scenario Index: 1009 Reason:
out_of_road.
Training Step:
                38%|
                             | 38498/100000 [08:41<17:31, 58.51it/s]
Training Step:
                             | 38506/100000 [08:41<16:19, 62.77it/s]
                39%|
Training Step:
                39%|
                             | 38514/100000 [08:41<15:43, 65.15it/s]
Training Step:
                39%|
                             | 38522/100000 [08:41<15:32, 65.93it/s]
Training Step:
                39%|
                             | 38529/100000 [08:41<16:00, 63.98it/s]
Training Step:
                39%|
                             | 38536/100000 [08:41<16:26, 62.29it/s]
```

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Training Step:
                             | 38543/100000 [08:42<16:40, 61.41it/s]
                39%|
                             | 38550/100000 [08:42<17:15, 59.33it/s]
Training Step:
                39%|
Training Step:
                39%1
                             | 38556/100000 [08:42<17:16,
59.31it/s][INFO] Episode ended! Scenario Index: 1003 Reason:
out of road.
Training Step:
                39%|
                             | 38562/100000 [08:42<19:58, 51.25it/s]
Training Step:
                39%1
                             | 38570/100000 [08:42<17:34, 58.28it/s]
Training Step:
                39%|
                             | 38578/100000 [08:42<16:12, 63.15it/s]
Training Step:
                39%|
                             | 38586/100000 [08:42<15:19, 66.80it/s]
                             | 38594/100000 [08:42<15:00, 68.18it/s]
Training Step:
                39%|
Training Step:
                             | 38602/100000 [08:42<14:50, 68.97it/s]
                39%|
                             | 38610/100000 [08:43<14:43, 69.52it/s]
Training Step:
                39%|
                             | 38618/100000 [08:43<14:26, 70.84it/s]
Training Step:
                39%|
                             | 38626/100000 [08:43<14:28, 70.64it/s]
Training Step:
                39%|
                39%|
                             | 38634/100000 [08:43<14:37, 69.94it/s]
Training Step:
Training Step:
                39%1
                             | 38642/100000 [08:43<14:52,
68.74it/s][INFO] Episode ended! Scenario Index: 1016 Reason:
out_of_road.
Training Step:
                             | 38649/100000 [08:43<16:40, 61.30it/s]
                39%|
Training Step:
                             | 38658/100000 [08:43<15:23, 66.42it/s]
                39%|
Training Step:
                39%|
                             | 38666/100000 [08:43<14:38, 69.78it/s]
Training Step:
                39%|
                             | 38674/100000 [08:44<14:23, 71.01it/s]
Training Step:
                39%|
                             | 38682/100000 [08:44<14:15, 71.70it/s]
                             | 38690/100000 [08:44<14:06, 72.40it/s]
Training Step:
                39%|
                             | 38698/100000 [08:44<13:49, 73.90it/s]
Training Step:
                39%|
                             | 38706/100000 [08:44<14:11, 72.00it/s]
Training Step:
                39%1
                             | 38714/100000 [08:44<14:18, 71.41it/s]
Training Step:
                39%|
Training Step:
                39%1
                             | 38722/100000 [08:44<14:31, 70.29it/s]
                39%|
                             | 38730/100000 [08:44<14:32, 70.25it/s]
Training Step:
Training Step:
                39%|
                             | 38738/100000 [08:44<14:46, 69.14it/s]
Training Step:
                39%|
                             | 38745/100000 [08:45<14:52, 68.63it/s]
Training Step:
                39%|
                             | 38752/100000 [08:45<15:26, 66.08it/s]
Training Step:
                             | 38759/100000 [08:45<15:34,
                39%|
65.54it/s][INFO] Episode ended! Scenario Index: 1013 Reason: crash
vehicle
Training Step:
                             | 38766/100000 [08:45<18:32, 55.05it/s]
                39%|
Training Step:
                39%|
                             | 38774/100000 [08:45<17:05, 59.71it/s]
Training Step:
                39%|
                             | 38782/100000 [08:45<15:50, 64.40it/s]
Training Step:
                39%1
                             | 38790/100000 [08:45<15:28, 65.92it/s]
Training Step:
                39%|
                             | 38797/100000 [08:45<15:32, 65.60it/s]
                             | 38804/100000 [08:45<15:36, 65.38it/s]
Training Step:
                39%|
Training Step:
                39%1
                             | 38812/100000 [08:46<15:05,
67.55it/s][INFO] Episode ended! Scenario Index: 1010 Reason:
out_of_road.
```

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Training Step:
                39%|
                             | 38819/100000 [08:46<17:30, 58.22it/s]
Training Step:
                39%|
                             | 38827/100000 [08:46<16:21, 62.30it/s]
Training Step:
                39%|
                             | 38834/100000 [08:46<16:13, 62.84it/s]
Training Step:
                39%|
                            | 38841/100000 [08:46<16:22, 62.26it/s]
Training Step:
                             | 38848/100000 [08:46<17:08, 59.48it/s]
                39%1
Training Step:
                39%|
                             | 38855/100000 [08:46<17:15, 59.06it/s]
Training Step:
                39%|
                             | 38861/100000 [08:46<17:37, 57.80it/s]
Training Step:
                39%1
                             | 38868/100000 [08:47<17:42, 57.52it/s]
Training Step:
                             | 38874/100000 [08:47<17:36,
                39%|
57.87it/s][INFO] Episode ended! Scenario Index: 1003 Reason:
out_of_road.
                             | 38880/100000 [08:47<20:11, 50.46it/s]
Training Step:
                39%|
Training Step:
                             | 38888/100000 [08:47<18:15, 55.79it/s]
                39%|
                             | 38896/100000 [08:47<16:37, 61.24it/s]
Training Step:
                39%|
Training Step:
                39%|
                             | 38904/100000 [08:47<15:59, 63.69it/s]
Training Step:
                39%|
                             | 38912/100000 [08:47<15:28, 65.77it/s]
Training Step:
                39%|
                            | 38920/100000 [08:47<15:05, 67.43it/s]
Training Step:
                39%|
                            | 38928/100000 [08:48<14:59, 67.89it/s]
Training Step:
                39%1
                            | 38936/100000 [08:48<14:52, 68.39it/s]
                             | 38943/100000 [08:48<14:56, 68.09it/s]
Training Step:
                39%|
Training Step:
                             | 38950/100000 [08:48<15:48, 64.34it/s]
                39%|
Training Step:
                39%1
                             | 38957/100000 [08:48<15:54,
63.97it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
out_of_road.
                             | 38964/100000 [08:48<17:47, 57.18it/s]
Training Step:
                39%|
                             | 38973/100000 [08:48<15:50, 64.20it/s]
Training Step:
                39%|
                            | 38981/100000 [08:48<15:12, 66.89it/s]
Training Step:
                39%|
Training Step:
                39%|
                             | 38989/100000 [08:48<14:35, 69.68it/s]
Training Step:
                39%|
                             | 38997/100000 [08:49<14:19, 70.96it/s]
Training Step:
                39%|
                             | 39005/100000 [08:49<14:08, 71.87it/s]
Training Step:
                39%|
                             | 39013/100000 [08:49<13:56, 72.92it/s]
Training Step:
                39%|
                            | 39021/100000 [08:49<13:45, 73.87it/s]
Training Step:
                             | 39029/100000 [08:49<13:40, 74.35it/s]
                39%|
                             | 39037/100000 [08:49<13:36, 74.68it/s]
Training Step:
                39%|
Training Step:
                             | 39045/100000 [08:49<13:47, 73.67it/s]
                39%|
Training Step:
                39%1
                             39053/100000 [08:49<13:50,
73.39it/s][INFO] Episode ended! Scenario Index: 1001 Reason:
out_of_road.
                             | 39061/100000 [08:49<15:58, 63.58it/s]
Training Step:
                39%|
Training Step:
                39%|
                             | 39069/100000 [08:50<15:01, 67.59it/s]
                             | 39077/100000 [08:50<14:21, 70.70it/s]
Training Step:
                39%|
                             | 39085/100000 [08:50<14:03, 72.25it/s]
Training Step:
                39%|
Training Step:
                39%|
                             | 39093/100000 [08:50<13:56, 72.79it/s]
Training Step:
                39%|
                             | 39101/100000 [08:50<13:45, 73.78it/s]
Training Step:
                39%|
                             | 39109/100000 [08:50<13:32, 74.90it/s]
```

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Training Step:
                            | 39117/100000 [08:50<13:35, 74.66it/s]
                39%|
Training Step:
                39%|
                             | 39125/100000 [08:50<13:41, 74.07it/s]
Training Step:
                39%|
                             | 39133/100000 [08:50<13:41, 74.07it/s]
Training Step:
                39%|
                             | 39141/100000 [08:51<13:55,
72.86it/s][INFO] Episode ended! Scenario Index: 1019 Reason:
out of road.
Training Step:
                39%|
                            | 39149/100000 [08:51<16:25, 61.72it/s]
Training Step:
                            | 39157/100000 [08:51<15:20, 66.10it/s]
                39%|
Training Step:
                39%|
                            | 39164/100000 [08:51<15:08, 66.94it/s]
                             | 39171/100000 [08:51<15:21, 65.98it/s]
Training Step:
                39%|
Training Step:
                             | 39178/100000 [08:51<15:31, 65.29it/s]
                39%|
                            | 39185/100000 [08:51<15:38, 64.80it/s]
Training Step:
                39%|
                             | 39192/100000 [08:51<15:48, 64.11it/s]
Training Step:
                39%|
Training Step:
                39%1
                             | 39199/100000 [08:51<15:47,
64.14it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
out_of_road.
Training Step:
                             | 39206/100000 [08:52<18:37, 54.41it/s]
                39%|
Training Step:
                39%1
                            | 39214/100000 [08:52<16:40, 60.75it/s]
Training Step:
                39%|
                            | 39223/100000 [08:52<15:07, 66.99it/s]
Training Step:
                             | 39231/100000 [08:52<14:24, 70.29it/s]
                39%|
Training Step:
                39%|
                            | 39239/100000 [08:52<14:06, 71.78it/s]
Training Step:
                             | 39247/100000 [08:52<13:58, 72.46it/s]
                39%|
Training Step:
                39%|
                             | 39255/100000 [08:52<13:48, 73.34it/s]
                             | 39263/100000 [08:52<13:41,
Training Step:
                39%1
73.97it/s][INFO] Episode ended! Scenario Index: 1019 Reason:
out_of_road.
Training Step:
                39%|
                             | 39271/100000 [08:53<15:57, 63.42it/s]
Training Step:
                39%|
                             | 39279/100000 [08:53<15:13, 66.45it/s]
                             | 39287/100000 [08:53<14:56, 67.75it/s]
Training Step:
                39%|
Training Step:
                39%|
                             | 39294/100000 [08:53<15:17, 66.15it/s]
Training Step:
                39%|
                            | 39301/100000 [08:53<15:21, 65.85it/s]
Training Step:
                             | 39308/100000 [08:53<15:40, 64.51it/s]
                39%|
                            | 39315/100000 [08:53<15:24, 65.65it/s]
Training Step:
                39%|
Training Step:
                39%|
                             | 39322/100000 [08:53<15:35, 64.87it/s]
Training Step:
                39%1
                             | 39329/100000 [08:53<15:22, 65.75it/s]
Training Step:
                             | 39336/100000 [08:54<15:41,
                39%|
64.40it/s][INFO] Episode ended! Scenario Index: 1006 Reason:
out_of_road.
Training Step:
                39%|
                             | 39343/100000 [08:54<17:28, 57.86it/s]
Training Step:
                             | 39351/100000 [08:54<16:00, 63.12it/s]
                39%|
Training Step:
                39%|
                             | 39359/100000 [08:54<15:00, 67.31it/s]
Training Step:
                39%|
                             | 39367/100000 [08:54<14:30, 69.66it/s]
Training Step:
                39%|
                             | 39375/100000 [08:54<14:07, 71.55it/s]
Training Step:
                39%|
                             | 39383/100000 [08:54<13:51, 72.91it/s]
```

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Training Step:
                            | 39391/100000 [08:54<13:42,
                39%|
73.67it/s][INFO] Episode ended! Scenario Index: 1001 Reason:
out_of_road.
Training Step:
                39%|
                            | 39399/100000 [08:54<15:56, 63.35it/s]
Training Step:
                39%|
                            | 39407/100000 [08:55<15:05, 66.92it/s]
Training Step:
                39%|
                            | 39415/100000 [08:55<14:39, 68.92it/s]
Training Step:
                39%1
                            | 39423/100000 [08:55<14:31, 69.48it/s]
                            | 39431/100000 [08:55<14:33, 69.32it/s]
Training Step:
                39%|
Training Step:
                39%1
                            | 39439/100000 [08:55<14:43, 68.53it/s]
Training Step:
                39%|
                            | 39446/100000 [08:55<14:48,
68.17it/s][INFO] Episode ended! Scenario Index: 1010 Reason:
out_of_road.
Training Step:
                39%|
                            | 39453/100000 [08:55<17:24, 57.98it/s]
                39%|
                            | 39461/100000 [08:55<16:17, 61.92it/s]
Training Step:
Training Step:
                39%|
                            | 39468/100000 [08:56<15:45, 64.00it/s]
Training Step:
                39%|
                            | 39476/100000 [08:56<15:26, 65.32it/s]
Training Step:
                            | 39483/100000 [08:56<16:14, 62.07it/s]
                39%|
Training Step:
                39%1
                            | 39490/100000 [08:56<16:37, 60.65it/s]
                            | 39497/100000 [08:56<17:01, 59.22it/s]
Training Step:
                39%1
Training Step:
                40%|
                            39503/100000 [08:56<17:14,
58.51it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
out_of_road.
                40%1
                            | 39509/100000 [08:56<21:33, 46.75it/s]
Training Step:
                40%|
                            | 39517/100000 [08:56<18:50, 53.50it/s]
Training Step:
Training Step:
                40%1
                            | 39525/100000 [08:57<17:04, 59.01it/s]
                            | 39532/100000 [08:57<16:35, 60.74it/s]
Training Step:
                40%|
Training Step:
                40%|
                            | 39539/100000 [08:57<16:22, 61.57it/s]
                40%|
                            | 39546/100000 [08:57<16:38, 60.57it/s]
Training Step:
Training Step:
                40%|
                            | 39553/100000 [08:57<16:26, 61.29it/s]
Training Step:
                40%|
                            | 39560/100000 [08:57<16:12, 62.14it/s]
Training Step:
                40%|
                            | 39567/100000 [08:57<16:14, 61.99it/s]
Training Step:
                            | 39574/100000 [08:57<16:28, 61.15it/s]
                40%|
Training Step:
                40%1
                            | 39581/100000 [08:57<16:33,
60.82it/s][INFO] Episode ended! Scenario Index: 1004 Reason:
out_of_road.
Training Step:
                40%|
                            | 39588/100000 [08:58<18:42, 53.83it/s]
Training Step:
                40%|
                            | 39596/100000 [08:58<16:44, 60.16it/s]
Training Step:
                40%|
                            | 39605/100000 [08:58<15:02, 66.89it/s]
Training Step:
                40%|
                            | 39612/100000 [08:58<14:51,
67.73it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
out_of_road.
Training Step:
                40%1
                            | 39619/100000 [08:58<17:29, 57.52it/s]
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| 39627/100000 [08:58<16:01, 62.82it/s]

Training Step:

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Training Step:
                40%|
                             | 39635/100000 [08:58<14:56, 67.32it/s]
Training Step:
                40%1
                             | 39643/100000 [08:58<14:36, 68.90it/s]
Training Step:
                40%1
                             | 39651/100000 [08:58<14:42, 68.38it/s]
Training Step:
                40%|
                             | 39658/100000 [08:59<15:05, 66.65it/s]
Training Step:
                40%1
                             | 39665/100000 [08:59<15:10,
66.30it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
out of road.
Training Step:
                             | 39672/100000 [08:59<18:17, 54.99it/s]
                40%|
Training Step:
                40%|
                             | 39680/100000 [08:59<16:53, 59.50it/s]
                40%1
                             | 39688/100000 [08:59<15:55, 63.10it/s]
Training Step:
Training Step:
                             | 39695/100000 [08:59<15:43, 63.90it/s]
                40%|
                             | 39702/100000 [08:59<16:19, 61.57it/s]
Training Step:
                40%1
                             | 39709/100000 [08:59<16:29, 60.91it/s]
Training Step:
                40%1
                             | 39716/100000 [09:00<16:43, 60.08it/s]
Training Step:
                40%1
                40%1
                             | 39723/100000 [09:00<16:21, 61.41it/s]
Training Step:
Training Step:
                40%1
                             | 39730/100000 [09:00<16:34, 60.62it/s]
Training Step:
                40%1
                             | 39737/100000 [09:00<16:22,
61.33it/s][INFO] Episode ended! Scenario Index: 1004 Reason:
out of road.
                             | 39744/100000 [09:00<19:01, 52.79it/s]
Training Step:
                40%|
Training Step:
                40%1
                             | 39752/100000 [09:00<17:08, 58.55it/s]
Training Step:
                40%|
                             | 39760/100000 [09:00<16:12, 61.97it/s]
Training Step:
                40%|
                             | 39768/100000 [09:00<15:38, 64.16it/s]
                             | 39776/100000 [09:01<15:18, 65.57it/s]
Training Step:
                40%|
Training Step:
                40%|
                             | 39783/100000 [09:01<15:04, 66.57it/s]
Training Step:
                40%1
                             | 39790/100000 [09:01<14:54, 67.33it/s]
Training Step:
                             | 39798/100000 [09:01<14:49, 67.66it/s]
                40%|
Training Step:
                40%1
                             | 39806/100000 [09:01<14:51, 67.52it/s]
Training Step:
                40%1
                             | 39813/100000 [09:01<15:16, 65.69it/s]
Training Step:
                40%1
                             | 39820/100000 [09:01<15:49,
63.40it/s][INFO] Episode ended! Scenario Index: 1002 Reason: crash
vehicle
                             | 39827/100000 [09:01<18:40, 53.72it/s]
Training Step:
                40%|
Training Step:
                             | 39834/100000 [09:01<17:38, 56.82it/s]
                40%|
Training Step:
                40%1
                             | 39842/100000 [09:02<16:41, 60.04it/s]
Training Step:
                             | 39849/100000 [09:02<16:18, 61.48it/s]
                40%|
                             | 39856/100000 [09:02<16:37, 60.30it/s]
Training Step:
                40%1
Training Step:
                40%|
                             | 39863/100000 [09:02<16:27, 60.93it/s]
Training Step:
                40%1
                             | 39870/100000 [09:02<16:27, 60.91it/s]
Training Step:
                40%|
                             | 39877/100000 [09:02<16:17, 61.53it/s]
                             | 39884/100000 [09:02<17:44, 56.47it/s]
Training Step:
                40%|
                             | 39890/100000 [09:02<17:33, 57.08it/s]
Training Step:
                40%|
Training Step:
                40%1
                             | 39896/100000 [09:03<17:32, 57.10it/s]
Training Step:
                40%1
                             | 39902/100000 [09:03<17:32,
57.11it/s][INFO] Episode ended! Scenario Index: 1004 Reason:
```

```
out_of_road.
```

```
Training Step:
                40%|
                             | 39908/100000 [09:03<19:39, 50.94it/s]
Training Step:
                40%|
                             | 39916/100000 [09:03<17:31, 57.13it/s]
Training Step:
                             | 39924/100000 [09:03<16:00, 62.54it/s]
                40%1
Training Step:
                40%|
                             | 39931/100000 [09:03<15:42, 63.70it/s]
Training Step:
                40%|
                             | 39938/100000 [09:03<16:21, 61.20it/s]
Training Step:
                40%1
                             | 39945/100000 [09:03<16:20, 61.25it/s]
Training Step:
                             | 39952/100000 [09:03<16:29, 60.66it/s]
                40%|
Training Step:
                40%1
                             | 39959/100000 [09:04<16:05, 62.18it/s]
Training Step:
                40%|
                             | 39966/100000 [09:04<16:22,
61.13it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
out_of_road.
Training Step:
                40%1
                             | 39973/100000 [09:04<18:58, 52.73it/s]
Training Step:
                40%1
                             | 39980/100000 [09:04<17:38, 56.71it/s]
Training Step:
                40%|
                             | 39988/100000 [09:04<16:20, 61.19it/s]
Training Step:
                40%|
                             | 39995/100000 [09:04<16:09, 61.88it/s]
Training Step:
                40%|
                             | 40002/100000 [09:04<16:44, 59.73it/s]
Training Step:
                40%1
                             | 40009/100000 [09:04<16:33, 60.36it/s]
Training Step:
                40%|
                             | 40016/100000 [09:05<16:32, 60.47it/s]
                             | 40023/100000 [09:05<16:19, 61.22it/s]
Training Step:
                40%|
Training Step:
                40%1
                             | 40030/100000 [09:05<16:26, 60.80it/s]
                40%|
Training Step:
                             | 40037/100000 [09:05<16:10, 61.78it/s]
Training Step:
                40%|
                             | 40044/100000 [09:05<16:22,
61.02it/s][INFO] Episode ended! Scenario Index: 1004 Reason:
out_of_road.
                             | 40051/100000 [09:05<18:39, 53.57it/s]
Training Step:
                40%|
Training Step:
                40%1
                             | 40059/100000 [09:05<16:57, 58.93it/s]
Training Step:
                40%|
                             | 40067/100000 [09:05<15:38, 63.85it/s]
Training Step:
                40%1
                             | 40074/100000 [09:06<16:23, 60.94it/s]
Training Step:
                40%|
                             | 40081/100000 [09:06<16:28, 60.61it/s]
Training Step:
                40%|
                             | 40088/100000 [09:06<16:39, 59.93it/s]
                             | 40095/100000 [09:06<16:22,
Training Step:
                40%|
60.97it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
out of road.
Training Step:
                             | 40102/100000 [09:06<19:15, 51.85it/s]
                40%|
Training Step:
                40%1
                             | 40110/100000 [09:06<17:18, 57.67it/s]
Training Step:
                40%|
                             | 40118/100000 [09:06<16:08, 61.81it/s]
Training Step:
                40%1
                             | 40127/100000 [09:06<14:44, 67.72it/s]
Training Step:
                40%|
                             | 40135/100000 [09:06<14:12, 70.24it/s]
                             | 40143/100000 [09:07<13:52, 71.93it/s]
Training Step:
                40%|
                             | 40151/100000 [09:07<13:40, 72.96it/s]
Training Step:
                40%|
Training Step:
                40%|
                             | 40160/100000 [09:07<13:22, 74.60it/s]
Training Step:
                40%|
                             | 40168/100000 [09:07<13:17, 75.06it/s]
Training Step:
                40%|
                             | 40176/100000 [09:07<13:28, 73.95it/s]
```

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Training Step:
                            | 40184/100000 [09:07<13:21, 74.60it/s]
                40%|
Training Step:
                40%|
                             | 40192/100000 [09:07<13:34,
73.43it/s][INFO] Episode ended! Scenario Index: 1019 Reason:
out_of_road.
Training Step:
                            | 40200/100000 [09:07<15:33, 64.06it/s]
                40%|
Training Step:
                40%|
                            | 40208/100000 [09:07<14:48, 67.26it/s]
Training Step:
                40%1
                             | 40216/100000 [09:08<14:44, 67.59it/s]
                            | 40223/100000 [09:08<14:50, 67.16it/s]
Training Step:
                40%|
Training Step:
                40%|
                            | 40230/100000 [09:08<15:18, 65.10it/s]
Training Step:
                            | 40237/100000 [09:08<15:16, 65.19it/s]
                40%1
                            | 40244/100000 [09:08<15:45, 63.21it/s]
Training Step:
                40%|
                            | 40251/100000 [09:08<15:48, 63.00it/s]
Training Step:
                40%1
                            | 40258/100000 [09:08<16:02, 62.05it/s]
Training Step:
                40%|
                            | 40265/100000 [09:08<15:55, 62.55it/s]
Training Step:
                40%|
                40%|
                            | 40272/100000 [09:09<16:16, 61.14it/s]
Training Step:
Training Step:
                40%|
                             | 40279/100000 [09:09<15:50, 62.86it/s]
                40%1
                             | 40286/100000 [09:09<15:49,
Training Step:
62.92it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
out of road.
Training Step:
                40%|
                            | 40293/100000 [09:09<18:54, 52.63it/s]
Training Step:
                40%1
                            | 40300/100000 [09:09<17:40, 56.30it/s]
Training Step:
                            | 40308/100000 [09:09<16:19, 60.96it/s]
                40%|
Training Step:
                40%|
                            | 40315/100000 [09:09<16:19, 60.94it/s]
Training Step:
                40%1
                            | 40322/100000 [09:09<16:54, 58.81it/s]
                40%|
                            | 40329/100000 [09:09<17:07, 58.09it/s]
Training Step:
Training Step:
                40%|
                             | 40335/100000 [09:10<17:11, 57.84it/s]
Training Step:
                40%1
                             40341/100000 [09:10<17:25,
57.04it/s][INFO] Episode ended! Scenario Index: 1007 Reason:
out_of_road.
Training Step:
                40%|
                             | 40347/100000 [09:10<19:37, 50.68it/s]
Training Step:
                40%|
                            | 40355/100000 [09:10<17:29, 56.83it/s]
Training Step:
                40%|
                            | 40363/100000 [09:10<16:17, 60.98it/s]
                            | 40370/100000 [09:10<16:48, 59.13it/s]
Training Step:
                40%|
Training Step:
                40%|
                            | 40377/100000 [09:10<17:04, 58.17it/s]
Training Step:
                40%1
                            | 40383/100000 [09:10<17:33, 56.59it/s]
Training Step:
                            | 40389/100000 [09:11<18:02, 55.05it/s]
                40%|
Training Step:
                40%1
                            | 40395/100000 [09:11<17:51, 55.61it/s]
                40%|
                            | 40401/100000 [09:11<17:52, 55.59it/s]
Training Step:
Training Step:
                40%|
                            | 40407/100000 [09:11<17:49, 55.73it/s]
Training Step:
                40%|
                            | 40413/100000 [09:11<18:36, 53.35it/s]
Training Step:
                40%1
                             40419/100000 [09:11<19:07,
51.92it/s][INFO] Episode ended! Scenario Index: 1018 Reason:
out_of_road.
```

| 40425/100000 [09:11<21:24, 46.38it/s]

Training Step: 40%

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Training Step:
                             | 40433/100000 [09:11<18:33, 53.49it/s]
                40%|
Training Step:
                40%1
                             | 40441/100000 [09:12<16:43, 59.38it/s]
Training Step:
                40%|
                             | 40448/100000 [09:12<16:53, 58.77it/s]
Training Step:
                40%|
                             | 40455/100000 [09:12<16:45, 59.23it/s]
Training Step:
                             | 40462/100000 [09:12<16:47, 59.11it/s]
                40%1
Training Step:
                40%|
                             | 40468/100000 [09:12<16:53, 58.72it/s]
Training Step:
                40%|
                             | 40474/100000 [09:12<16:55,
58.59it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
out of road.
                             | 40480/100000 [09:12<19:51, 49.94it/s]
Training Step:
                40%1
                             | 40488/100000 [09:12<17:17, 57.37it/s]
Training Step:
                40%|
                            | 40496/100000 [09:12<15:49, 62.69it/s]
Training Step:
                40%1
                             | 40503/100000 [09:13<15:37, 63.47it/s]
Training Step:
                41%|
Training Step:
                41%|
                             | 40510/100000 [09:13<15:56, 62.18it/s]
                41%|
                             | 40517/100000 [09:13<16:21, 60.60it/s]
Training Step:
Training Step:
                41%|
                             | 40524/100000 [09:13<16:51,
58.82it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
out_of_road.
Training Step:
                41%|
                             | 40530/100000 [09:13<19:38, 50.48it/s]
Training Step:
                             | 40538/100000 [09:13<17:36, 56.30it/s]
                41%|
Training Step:
                41%|
                            | 40546/100000 [09:13<16:06, 61.52it/s]
Training Step:
                            | 40554/100000 [09:13<15:37, 63.38it/s]
                41%|
Training Step:
                41%|
                            | 40561/100000 [09:14<15:56, 62.17it/s]
                             | 40568/100000 [09:14<16:11, 61.17it/s]
Training Step:
                41%|
Training Step:
                            | 40575/100000 [09:14<16:17, 60.77it/s]
                41%|
Training Step:
                41%|
                             | 40582/100000 [09:14<16:32, 59.88it/s]
                             | 40589/100000 [09:14<16:47, 58.97it/s]
Training Step:
                41%|
Training Step:
                41%|
                             | 40595/100000 [09:14<16:48, 58.93it/s]
                             | 40601/100000 [09:14<16:53,
Training Step:
                41%|
58.58it/s][INFO] Episode ended! Scenario Index: 1007 Reason:
out_of_road.
Training Step:
                41%|
                             | 40607/100000 [09:14<19:06, 51.79it/s]
                            | 40616/100000 [09:14<16:25, 60.26it/s]
Training Step:
                41%|
Training Step:
                41%|
                            | 40625/100000 [09:15<14:47, 66.90it/s]
Training Step:
                41%|
                            | 40633/100000 [09:15<14:07, 70.07it/s]
Training Step:
                            | 40641/100000 [09:15<14:56, 66.20it/s]
                41%|
Training Step:
                41%|
                             | 40648/100000 [09:15<14:47, 66.86it/s]
Training Step:
                41%|
                             | 40656/100000 [09:15<14:41,
67.34it/s][INFO] Episode ended! Scenario Index: 1019 Reason:
out_of_road.
Training Step:
                41%|
                             | 40663/100000 [09:15<16:43, 59.12it/s]
Training Step:
                41%|
                             | 40670/100000 [09:15<16:08, 61.25it/s]
                             | 40678/100000 [09:15<15:22, 64.32it/s]
Training Step:
                41%|
Training Step:
                41%|
                             | 40686/100000 [09:16<14:53, 66.39it/s]
```

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Training Step:
                            | 40693/100000 [09:16<14:54, 66.29it/s]
                41%|
Training Step:
                41%|
                            | 40700/100000 [09:16<15:17, 64.64it/s]
Training Step:
                41%|
                            | 40707/100000 [09:16<15:16, 64.69it/s]
Training Step:
                41%|
                            | 40714/100000 [09:16<16:03, 61.56it/s]
                            | 40721/100000 [09:16<16:11, 61.04it/s]
Training Step:
                41%|
Training Step:
                            | 40728/100000 [09:16<16:31, 59.75it/s]
                41%|
Training Step:
                41%|
                            | 40735/100000 [09:16<16:21, 60.38it/s]
Training Step:
                41%|
                            40742/100000 [09:16<17:01,
57.99it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
out_of_road.
                            | 40748/100000 [09:17<19:44, 50.03it/s]
Training Step:
                41%|
                            | 40755/100000 [09:17<18:10, 54.33it/s]
Training Step:
                41%|
                            40763/100000 [09:17<16:32, 59.66it/s]
Training Step:
                41%|
                            | 40771/100000 [09:17<15:23, 64.16it/s]
Training Step:
                41%|
                41%|
                            | 40778/100000 [09:17<16:38, 59.32it/s]
Training Step:
Training Step:
                41%|
                            | 40785/100000 [09:17<17:25,
56.62it/s][INFO] Episode ended! Scenario Index: 1012 Reason:
out_of_road.
Training Step:
                41%|
                            | 40791/100000 [09:17<19:25, 50.79it/s]
Training Step:
                            | 40800/100000 [09:17<17:05, 57.74it/s]
                41%|
Training Step:
                41%|
                            | 40808/100000 [09:18<16:05, 61.29it/s]
Training Step:
                            | 40815/100000 [09:18<15:50, 62.25it/s]
                41%|
Training Step:
                41%|
                            | 40822/100000 [09:18<16:04, 61.38it/s]
                            | 40829/100000 [09:18<15:56, 61.86it/s]
Training Step:
                41%|
Training Step:
                41%|
                            | 40836/100000 [09:18<16:20, 60.32it/s]
Training Step:
                41%|
                            | 40843/100000 [09:18<16:18, 60.48it/s]
Training Step:
                            | 40850/100000 [09:18<16:11, 60.91it/s]
                41%|
Training Step:
                41%|
                            | 40857/100000 [09:18<16:18,
60.43it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
out_of_road.
Training Step:
                            | 40864/100000 [09:19<19:33, 50.41it/s]
                41%|
Training Step:
                            | 40872/100000 [09:19<17:30, 56.30it/s]
                41%|
                            | 40880/100000 [09:19<16:05, 61.26it/s]
Training Step:
                41%|
                            | 40887/100000 [09:19<15:30, 63.52it/s]
Training Step:
                41%|
Training Step:
                41%|
                            | 40894/100000 [09:19<15:15, 64.57it/s]
Training Step:
                            | 40901/100000 [09:19<14:54, 66.07it/s]
                41%|
Training Step:
                41%|
                            | 40908/100000 [09:19<14:59, 65.70it/s]
Training Step:
                41%|
                            | 40915/100000 [09:19<14:57, 65.80it/s]
Training Step:
                41%|
                            | 40922/100000 [09:19<15:14, 64.60it/s]
Training Step:
                41%|
                            | 40929/100000 [09:20<15:12,
64.74it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
out_of_road.
Training Step:
                41%|
                            | 40936/100000 [09:20<17:55, 54.90it/s]
Training Step:
                41%|
                            | 40944/100000 [09:20<16:17, 60.44it/s]
```

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Training Step:
                             | 40952/100000 [09:20<15:12, 64.71it/s]
                             | 40960/100000 [09:20<14:34, 67.55it/s]
Training Step:
                41%|
Training Step:
                41%|
                             | 40968/100000 [09:20<14:14, 69.07it/s]
Training Step:
                41%|
                            | 40976/100000 [09:20<14:10, 69.40it/s]
Training Step:
                             | 40984/100000 [09:20<14:05, 69.82it/s]
                41%|
Training Step:
                41%|
                            | 40992/100000 [09:21<14:08, 69.56it/s]
Training Step:
                41%|
                             | 41000/100000 [09:21<14:14, 69.02it/s]
Training Step:
                41%|
                             | 41007/100000 [09:21<14:27, 67.99it/s]
Training Step:
                            | 41014/100000 [09:21<14:41, 66.89it/s]
                41%|
Training Step:
                41%|
                             | 41021/100000 [09:21<14:33, 67.56it/s]
                             | 41028/100000 [09:21<14:46, 66.56it/s]
Training Step:
                41%|
                41%|
                             | 41035/100000 [09:21<14:47,
Training Step:
66.40it/s][INFO] Episode ended! Scenario Index: 1013 Reason:
out_of_road.
Training Step:
                41%|
                             | 41042/100000 [09:21<17:26, 56.36it/s]
Training Step:
                41%|
                             | 41050/100000 [09:21<15:50, 62.04it/s]
Training Step:
                41%|
                            | 41058/100000 [09:22<14:47, 66.45it/s]
Training Step:
                41%|
                            | 41066/100000 [09:22<14:30, 67.72it/s]
Training Step:
                41%|
                            | 41074/100000 [09:22<14:16, 68.80it/s]
Training Step:
                41%|
                            | 41082/100000 [09:22<14:02, 69.95it/s]
                             | 41090/100000 [09:22<13:56, 70.39it/s]
Training Step:
                41%|
Training Step:
                41%|
                            | 41098/100000 [09:22<13:41, 71.66it/s]
Training Step:
                             | 41106/100000 [09:22<14:02, 69.89it/s]
                41%|
Training Step:
                41%|
                             | 41114/100000 [09:22<14:14, 68.89it/s]
                             | 41121/100000 [09:22<14:34,
Training Step:
                41%|
67.36it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
out_of_road.
Training Step:
                41%|
                             | 41128/100000 [09:23<16:58, 57.81it/s]
Training Step:
                41%|
                             | 41136/100000 [09:23<15:45, 62.25it/s]
Training Step:
                41%|
                             | 41144/100000 [09:23<14:58, 65.49it/s]
Training Step:
                41%|
                             | 41151/100000 [09:23<15:22, 63.81it/s]
Training Step:
                41%|
                            | 41158/100000 [09:23<16:15, 60.31it/s]
Training Step:
                             | 41165/100000 [09:23<16:37, 59.00it/s]
                41%|
                            | 41171/100000 [09:23<16:48, 58.35it/s]
Training Step:
                41%|
                             | 41177/100000 [09:23<16:56, 57.86it/s]
Training Step:
                41%|
Training Step:
                41%|
                            | 41183/100000 [09:24<17:13, 56.89it/s]
Training Step:
                            | 41189/100000 [09:24<17:17, 56.66it/s]
                41%|
Training Step:
                41%|
                             | 41195/100000 [09:24<17:23, 56.33it/s]
Training Step:
                41%|
                            | 41201/100000 [09:24<17:50, 54.93it/s]
Training Step:
                41%|
                             | 41207/100000 [09:24<17:59, 54.44it/s]
Training Step:
                41%|
                            | 41213/100000 [09:24<17:57, 54.54it/s]
                             | 41219/100000 [09:24<18:21, 53.39it/s]
Training Step:
                41%|
                             | 41225/100000 [09:24<18:08, 54.01it/s]
Training Step:
                41%|
Training Step:
                41%|
                             | 41231/100000 [09:24<17:44, 55.21it/s]
Training Step:
                41%|
                             | 41237/100000 [09:24<17:42, 55.32it/s]
Training Step:
                41%|
                             | 41243/100000 [09:25<17:52, 54.78it/s]
```

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Training Step:
                41%|
                            | 41255/100000 [09:25<17:39, 55.45it/s]
Training Step:
                41%|
                            | 41261/100000 [09:25<17:38, 55.48it/s]
Training Step:
                41%|
                            | 41267/100000 [09:25<17:46, 55.05it/s]
Training Step:
                            | 41273/100000 [09:25<18:16, 53.57it/s]
                41%|
Training Step:
                41%|
                            | 41279/100000 [09:25<18:24, 53.15it/s]
Training Step:
                41%|
                            | 41285/100000 [09:25<18:42, 52.30it/s]
Training Step:
                41%|
                            | 41291/100000 [09:26<18:40, 52.40it/s]
                            | 41297/100000 [09:26<18:33,
Training Step:
                41%|
52.74it/s][INFO] Episode ended! Scenario Index: 1018 Reason:
out_of_road.
                            | 41303/100000 [09:26<19:46, 49.45it/s]
Training Step:
                41%|
                            41311/100000 [09:26<17:01, 57.43it/s]
Training Step:
                41%|
                            | 41319/100000 [09:26<15:25, 63.38it/s]
Training Step:
                41%|
Training Step:
                41%|
                            | 41327/100000 [09:26<14:42, 66.48it/s]
Training Step:
                41%|
                            | 41335/100000 [09:26<14:13, 68.73it/s]
Training Step:
                41%|
                            | 41343/100000 [09:26<13:42, 71.30it/s]
Training Step:
                41%|
                            | 41351/100000 [09:26<13:19, 73.36it/s]
Training Step:
                41%|
                            | 41359/100000 [09:26<13:08, 74.42it/s]
Training Step:
                41%|
                            | 41367/100000 [09:27<13:06, 74.52it/s]
                            | 41375/100000 [09:27<13:05, 74.60it/s]
Training Step:
                41%|
Training Step:
                41%|
                            | 41383/100000 [09:27<13:11, 74.02it/s]
Training Step:
                41%|
                            | 41391/100000 [09:27<13:11,
74.04it/s][INFO] Episode ended! Scenario Index: 1019 Reason:
out_of_road.
Training Step:
                41%|
                            | 41399/100000 [09:27<15:17, 63.90it/s]
                            | 41408/100000 [09:27<14:17, 68.30it/s]
                41%|
Training Step:
Training Step:
                41%|
                            | 41417/100000 [09:27<13:32, 72.09it/s]
Training Step:
                41%|
                            | 41425/100000 [09:27<13:15, 73.61it/s]
Training Step:
                41%|
                            | 41433/100000 [09:28<13:16, 73.55it/s]
Training Step:
                41%|
                            | 41441/100000 [09:28<13:21, 73.11it/s]
Training Step:
                41%|
                            | 41449/100000 [09:28<13:22, 72.99it/s]
Training Step:
                            | 41457/100000 [09:28<13:25, 72.72it/s]
                41%|
                            | 41465/100000 [09:28<13:42, 71.18it/s]
Training Step:
                41%|
                            | 41473/100000 [09:28<14:03, 69.41it/s]
Training Step:
                41%|
Training Step:
                41%|
                            | 41480/100000 [09:28<14:26,
67.56it/s][INFO] Episode ended! Scenario Index: 1013 Reason:
out_of_road.
                            | 41487/100000 [09:28<17:19, 56.27it/s]
Training Step:
                41%|
Training Step:
                41%|
                            | 41494/100000 [09:28<16:22, 59.53it/s]
                            | 41502/100000 [09:29<15:21, 63.49it/s]
Training Step:
                42%|
Training Step:
                42%|
                            | 41509/100000 [09:29<15:18, 63.70it/s]
Training Step:
                42%|
                            | 41516/100000 [09:29<15:47, 61.73it/s]
Training Step:
                42%|
                            | 41523/100000 [09:29<15:48, 61.64it/s]
Training Step:
                42%|
                            | 41530/100000 [09:29<16:02, 60.77it/s]
```

| 41249/100000 [09:25<17:36, 55.62it/s]

Training Step:

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Training Step:
                42%|
                            | 41537/100000 [09:29<15:58, 60.97it/s]
                            | 41544/100000 [09:29<16:36, 58.66it/s]
Training Step:
                42%|
Training Step:
                42%|
                            | 41550/100000 [09:29<16:35,
58.70it/s][INFO] Episode ended! Scenario Index: 1007 Reason:
out of road.
                            | 41556/100000 [09:30<19:45, 49.28it/s]
Training Step:
                42%|
Training Step:
                42%1
                            | 41564/100000 [09:30<17:39, 55.18it/s]
Training Step:
                42%|
                            | 41572/100000 [09:30<16:17, 59.80it/s]
Training Step:
                42%|
                            | 41580/100000 [09:30<15:32, 62.62it/s]
                42%|
                            | 41587/100000 [09:30<15:16, 63.72it/s]
Training Step:
Training Step:
                42%|
                            | 41594/100000 [09:30<15:02, 64.72it/s]
                42%|
                            | 41601/100000 [09:30<15:21, 63.38it/s]
Training Step:
                            41608/100000 [09:30<15:17, 63.62it/s]
Training Step:
                42%|
                            | 41615/100000 [09:30<15:07, 64.32it/s]
Training Step:
                42%|
                42%|
                            | 41622/100000 [09:31<15:23,
Training Step:
63.24it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
out_of_road.
Training Step:
                42%|
                            | 41629/100000 [09:31<18:35, 52.34it/s]
Training Step:
                42%|
                            | 41637/100000 [09:31<16:45, 58.04it/s]
Training Step:
                            | 41644/100000 [09:31<16:12, 60.01it/s]
                42%|
Training Step:
                42%1
                            | 41651/100000 [09:31<15:39, 62.14it/s]
Training Step:
                42%|
                            | 41658/100000 [09:31<16:06, 60.34it/s]
Training Step:
                42%|
                            | 41665/100000 [09:31<15:54, 61.13it/s]
                42%|
                            | 41672/100000 [09:31<16:05, 60.42it/s]
Training Step:
Training Step:
                42%|
                            | 41679/100000 [09:32<16:15, 59.78it/s]
Training Step:
                42%|
                            | 41686/100000 [09:32<16:15,
59.80it/s][INFO] Episode ended! Scenario Index: 1004 Reason:
out_of_road.
Training Step:
                42%|
                            | 41693/100000 [09:32<17:59, 54.01it/s]
Training Step:
                42%|
                            | 41701/100000 [09:32<16:04, 60.45it/s]
Training Step:
                42%|
                            | 41708/100000 [09:32<15:35, 62.30it/s]
Training Step:
                            | 41715/100000 [09:32<15:39, 62.03it/s]
                42%|
                            | 41722/100000 [09:32<15:42, 61.85it/s]
Training Step:
                42%|
Training Step:
                            | 41729/100000 [09:32<15:24, 63.03it/s]
                42%|
Training Step:
                42%1
                            | 41736/100000 [09:32<15:34, 62.37it/s]
Training Step:
                42%|
                            | 41743/100000 [09:33<15:25, 62.91it/s]
                            | 41750/100000 [09:33<15:43, 61.72it/s]
Training Step:
                42%|
Training Step:
                42%|
                            | 41757/100000 [09:33<15:31, 62.50it/s]
Training Step:
                42%|
                            | 41764/100000 [09:33<15:33, 62.41it/s]
Training Step:
                42%|
                            | 41771/100000 [09:33<15:35, 62.27it/s]
                            | 41778/100000 [09:33<15:43, 61.68it/s]
Training Step:
                42%|
Training Step:
                42%|
                            | 41785/100000 [09:33<15:45, 61.59it/s]
Training Step:
                42%|
                            | 41792/100000 [09:33<16:08,
60.11it/s][INFO] Episode ended! Scenario Index: 1006 Reason:
out_of_road.
```

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Training Step:
                            | 41822/100000 [09:34<15:51, 61.14it/s]
                42%1
Training Step:
                42%|
                            | 41829/100000 [09:34<16:19, 59.41it/s]
Training Step:
                42%|
                            | 41836/100000 [09:34<16:41, 58.09it/s]
Training Step:
                42%|
                            | 41842/100000 [09:34<16:48, 57.69it/s]
Training Step:
                42%|
                            | 41848/100000 [09:34<16:53, 57.39it/s]
Training Step:
                42%|
                            | 41854/100000 [09:34<17:02, 56.86it/s]
                42%|
                            | 41860/100000 [09:35<17:03, 56.78it/s]
Training Step:
Training Step:
                42%|
                            | 41866/100000 [09:35<16:57, 57.15it/s]
                42%|
                            | 41872/100000 [09:35<17:16, 56.06it/s]
Training Step:
Training Step:
                            | 41878/100000 [09:35<17:24, 55.63it/s]
                42%|
                            | 41884/100000 [09:35<17:44, 54.60it/s]
Training Step:
                42%|
Training Step:
                42%|
                            | 41890/100000 [09:35<17:49, 54.36it/s]
Training Step:
                42%1
                            | 41896/100000 [09:35<17:42, 54.71it/s]
Training Step:
                42%|
                            | 41902/100000 [09:35<17:48, 54.37it/s]
Training Step:
                42%|
                            | 41908/100000 [09:35<17:50, 54.27it/s]
Training Step:
                42%1
                            | 41914/100000 [09:36<17:34, 55.10it/s]
Training Step:
                42%|
                            | 41920/100000 [09:36<17:45, 54.48it/s]
                            | 41926/100000 [09:36<17:51, 54.21it/s]
Training Step:
                42%|
Training Step:
                42%1
                            | 41932/100000 [09:36<17:46, 54.46it/s]
Training Step:
                42%|
                            | 41938/100000 [09:36<17:57, 53.90it/s]
Training Step:
                42%|
                            | 41944/100000 [09:36<18:02, 53.65it/s]
                            | 41950/100000 [09:36<18:16, 52.92it/s]
Training Step:
                42%1
Training Step:
                42%|
                            | 41956/100000 [09:36<18:21, 52.69it/s]
Training Step:
                42%1
                            | 41962/100000 [09:36<18:18, 52.81it/s]
                42%|
                            | 41968/100000 [09:37<18:14, 53.04it/s]
Training Step:
Training Step:
                42%|
                            | 41974/100000 [09:37<18:02,
53.63it/s][INFO] Episode ended! Scenario Index: 1018 Reason:
out_of_road.
Training Step:
                42%|
                            | 41980/100000 [09:37<18:57, 51.01it/s]
Training Step:
                            | 41989/100000 [09:37<15:59, 60.45it/s]
                42%|
                            | 41998/100000 [09:37<14:36, 66.17it/s]
Training Step:
                42%|
Training Step:
                42%|
                            | 42005/100000 [09:37<14:29, 66.70it/s]
Training Step:
                42%1
                            | 42014/100000 [09:37<13:46, 70.16it/s]
Training Step:
                            | 42022/100000 [09:37<13:32, 71.39it/s]
                42%|
Training Step:
                42%|
                            | 42030/100000 [09:37<13:20, 72.38it/s]
Training Step:
                42%|
                            | 42038/100000 [09:38<13:08, 73.49it/s]
Training Step:
                42%|
                            | 42046/100000 [09:38<13:00, 74.28it/s]
Training Step:
                42%|
                            | 42054/100000 [09:38<13:00, 74.22it/s]
Training Step:
                            | 42062/100000 [09:38<12:58, 74.38it/s]
                42%|
                            | 42070/100000 [09:38<12:51, 75.13it/s]
Training Step:
                42%|
Training Step:
                42%|
                            | 42078/100000 [09:38<13:07, 73.57it/s]
Training Step:
                42%|
                            | 42086/100000 [09:38<13:47, 69.99it/s]
Training Step:
                42%|
                            | 42094/100000 [09:38<13:57,
```

Training Step:

Training Step:

Training Step:

42%|

42%|

42%|

| 41799/100000 [09:34<18:06, 53.55it/s]

| 41807/100000 [09:34<16:20, 59.35it/s]

| 41815/100000 [09:34<15:13, 63.70it/s]

69.14it/s][INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.

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Training Step:
                42%|
                            | 42101/100000 [09:39<16:10, 59.69it/s]
Training Step:
                            | 42108/100000 [09:39<15:34, 61.95it/s]
                42%1
Training Step:
                42%|
                            | 42116/100000 [09:39<14:46, 65.30it/s]
Training Step:
                42%|
                            42123/100000 [09:39<15:09, 63.66it/s]
Training Step:
                42%|
                            42130/100000 [09:39<15:58, 60.34it/s]
Training Step:
                42%|
                            | 42137/100000 [09:39<16:27, 58.58it/s]
Training Step:
                42%|
                            | 42143/100000 [09:39<16:41, 57.76it/s]
                42%|
                            | 42149/100000 [09:39<17:01, 56.63it/s]
Training Step:
Training Step:
                42%|
                            | 42155/100000 [09:39<17:34, 54.86it/s]
                42%|
                            | 42161/100000 [09:40<17:26, 55.27it/s]
Training Step:
Training Step:
                            42167/100000 [09:40<17:52, 53.91it/s]
                42%|
                            | 42173/100000 [09:40<18:03, 53.39it/s]
Training Step:
                42%|
Training Step:
                42%|
                            | 42179/100000 [09:40<18:07, 53.16it/s]
Training Step:
                42%|
                            | 42185/100000 [09:40<18:22, 52.45it/s]
Training Step:
                42%|
                            | 42191/100000 [09:40<18:41, 51.57it/s]
Training Step:
                42%|
                            | 42197/100000 [09:40<18:45, 51.35it/s]
Training Step:
                42%1
                            | 42203/100000 [09:40<18:28, 52.13it/s]
Training Step:
                42%|
                            | 42209/100000 [09:40<18:19, 52.55it/s]
Training Step:
                            | 42215/100000 [09:41<18:10, 52.99it/s]
                42%|
Training Step:
                42%|
                            | 42221/100000 [09:41<18:15, 52.75it/s]
Training Step:
                42%|
                            | 42227/100000 [09:41<17:58, 53.56it/s]
Training Step:
                42%|
                            | 42233/100000 [09:41<17:46, 54.14it/s]
Training Step:
                            | 42239/100000 [09:41<17:44, 54.26it/s]
                42%|
Training Step:
                42%|
                            | 42245/100000 [09:41<17:48, 54.05it/s]
                            | 42251/100000 [09:41<17:57, 53.62it/s]
Training Step:
                42%|
                            | 42257/100000 [09:41<18:31, 51.93it/s]
Training Step:
                42%|
Training Step:
                42%|
                            | 42263/100000 [09:41<18:50,
51.08it/s][INFO] Episode ended! Scenario Index: 1018 Reason:
out_of_road.
```

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Training Step:
                42%|
                            | 42269/100000 [09:42<21:40, 44.39it/s]
Training Step:
                42%|
                            | 42276/100000 [09:42<19:22, 49.64it/s]
                            | 42283/100000 [09:42<17:44, 54.24it/s]
Training Step:
                42%|
Training Step:
                            | 42289/100000 [09:42<17:36, 54.60it/s]
                42%|
Training Step:
                42%1
                            | 42295/100000 [09:42<18:32, 51.87it/s]
Training Step:
                            | 42301/100000 [09:42<18:55, 50.80it/s]
                42%|
Training Step:
                42%|
                            | 42307/100000 [09:42<19:51, 48.41it/s]
Training Step:
                42%|
                            | 42312/100000 [09:42<20:23, 47.14it/s]
Training Step:
                42%|
                            | 42318/100000 [09:43<20:05, 47.87it/s]
Training Step:
                42%|
                            | 42323/100000 [09:43<20:09, 47.68it/s]
Training Step:
                            | 42328/100000 [09:43<21:17, 45.16it/s]
                42%|
                            | 42333/100000 [09:43<21:11, 45.36it/s]
Training Step:
                42%|
Training Step:
                42%|
                            | 42338/100000 [09:43<21:27, 44.80it/s]
Training Step:
                42%|
                            | 42343/100000 [09:43<20:47, 46.20it/s]
Training Step:
                42%|
                            | 42348/100000 [09:43<20:47, 46.23it/s]
```

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Training Step:
                42%|
                            | 42353/100000 [09:43<20:19, 47.28it/s]
                42%|
                            | 42358/100000 [09:43<20:37, 46.60it/s]
Training Step:
Training Step:
                42%|
                            | 42363/100000 [09:44<20:18, 47.29it/s]
Training Step:
                42%|
                            | 42368/100000 [09:44<20:09, 47.66it/s]
Training Step:
                            | 42374/100000 [09:44<19:42, 48.74it/s]
                42%1
Training Step:
                42%|
                            | 42380/100000 [09:44<19:04, 50.33it/s]
Training Step:
                42%|
                            | 42386/100000 [09:44<18:55, 50.76it/s]
Training Step:
                42%|
                            | 42392/100000 [09:44<18:39, 51.47it/s]
Training Step:
                42%|
                            | 42398/100000 [09:44<18:46, 51.14it/s]
Training Step:
                42%|
                            | 42404/100000 [09:44<18:36, 51.59it/s]
                42%|
                            | 42410/100000 [09:45<18:38, 51.50it/s]
Training Step:
Training Step:
                42%|
                            | 42416/100000 [09:45<18:25, 52.11it/s]
                42%|
                            | 42422/100000 [09:45<18:18, 52.40it/s]
Training Step:
                            | 42428/100000 [09:45<18:34, 51.65it/s]
Training Step:
                42%|
                            | 42434/100000 [09:45<18:33, 51.68it/s]
Training Step:
                42%|
Training Step:
                42%|
                            | 42440/100000 [09:45<18:39, 51.42it/s]
Training Step:
                42%|
                            | 42446/100000 [09:45<18:19, 52.32it/s]
Training Step:
                42%|
                            | 42452/100000 [09:45<18:18, 52.41it/s]
Training Step:
                42%|
                            | 42458/100000 [09:45<18:22, 52.21it/s]
Training Step:
                42%1
                            | 42464/100000 [09:46<18:51, 50.87it/s]
Training Step:
                42%|
                            | 42470/100000 [09:46<19:25, 49.36it/s]
                            | 42475/100000 [09:46<19:54, 48.14it/s]
Training Step:
                42%|
Training Step:
                42%|
                            | 42480/100000 [09:46<20:07, 47.62it/s]
Training Step:
                42%|
                            | 42485/100000 [09:46<20:40, 46.35it/s]
Training Step:
                42%|
                            | 42490/100000 [09:46<21:14, 45.12it/s]
                42%|
                            | 42495/100000 [09:46<21:15, 45.10it/s]
Training Step:
Training Step:
                42%|
                            | 42500/100000 [09:46<21:39, 44.26it/s]
Training Step:
                43%1
                            | 42505/100000 [09:46<21:18,
44.96it/s][INFO] Episode ended! Scenario Index: 1018 Reason:
out_of_road.
```

| 42510/100000 [09:47<23:24, 40.95it/s] Training Step: 43%| Training Step: 43%1 | 42518/100000 [09:47<19:39, 48.75it/s] Training Step: 43%| | 42526/100000 [09:47<17:01, 56.29it/s] Training Step: | 42533/100000 [09:47<16:29, 58.10it/s] 43%| | 42540/100000 [09:47<16:22, 58.47it/s] Training Step: 43%| Training Step: 43%| | 42546/100000 [09:47<16:52, 56.74it/s] Training Step: 43%| | 42552/100000 [09:47<16:58, 56.40it/s] Training Step: | 42559/100000 [09:47<16:18, 58.69it/s] 43%| Training Step: 43%| | 42565/100000 [09:48<16:23, 58.40it/s] Training Step: 43%| | 42572/100000 [09:48<16:13, 59.01it/s] Training Step: 43%1 | 42578/100000 [09:48<16:22, 58.47it/s] Training Step: 43%| | 42585/100000 [09:48<16:04, 59.54it/s] Training Step: 43%1 | 42591/100000 [09:48<16:20, 58.52it/s] Training Step: 43%| | 42597/100000 [09:48<16:19, 58.61it/s] Training Step: 43%| | 42603/100000 [09:48<16:12, 59.01it/s] Training Step: 43%| | 42609/100000 [09:48<16:14, 58.90it/s] Training Step: 43%| | 42616/100000 [09:48<16:20, 58.55it/s]

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Training Step:
                            | 42622/100000 [09:48<16:40, 57.34it/s]
Training Step:
                43%|
                            | 42628/100000 [09:49<16:27, 58.09it/s]
Training Step:
                43%|
                            | 42634/100000 [09:49<16:23, 58.30it/s]
Training Step:
                43%|
                            | 42640/100000 [09:49<16:46,
56.98it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
out_of_road.
Training Step:
                43%|
                            | 42646/100000 [09:49<19:52, 48.08it/s]
Training Step:
                43%|
                            | 42654/100000 [09:49<17:06, 55.88it/s]
Training Step:
                43%|
                            | 42662/100000 [09:49<15:37, 61.14it/s]
                43%|
                            | 42670/100000 [09:49<14:34, 65.54it/s]
Training Step:
Training Step:
                            | 42678/100000 [09:49<14:11, 67.31it/s]
                43%|
                            | 42686/100000 [09:49<13:56, 68.55it/s]
Training Step:
                43%|
                            | 42694/100000 [09:50<13:41, 69.78it/s]
Training Step:
                43%1
                            | 42702/100000 [09:50<13:26, 71.04it/s]
Training Step:
                43%|
                43%|
                            | 42710/100000 [09:50<13:29, 70.78it/s]
Training Step:
                            | 42718/100000 [09:50<13:57, 68.40it/s]
Training Step:
                43%|
Training Step:
                43%|
                            | 42726/100000 [09:50<13:59, 68.22it/s]
Training Step:
                43%|
                            | 42733/100000 [09:50<14:20, 66.55it/s]
Training Step:
                43%1
                            | 42740/100000 [09:50<14:17, 66.76it/s]
Training Step:
                43%|
                            | 42747/100000 [09:50<14:10, 67.28it/s]
                            | 42754/100000 [09:51<14:51, 64.23it/s]
Training Step:
                43%|
Training Step:
                43%1
                            | 42761/100000 [09:51<15:07, 63.11it/s]
Training Step:
                43%|
                            | 42768/100000 [09:51<15:23,
61.94it/s][INFO] Episode ended! Scenario Index: 1009 Reason:
out_of_road.
Training Step:
                43%|
                            | 42775/100000 [09:51<16:48, 56.73it/s]
                43%|
                            | 42784/100000 [09:51<15:08, 62.98it/s]
Training Step:
Training Step:
                43%|
                            | 42792/100000 [09:51<14:15, 66.89it/s]
Training Step:
                43%|
                            | 42799/100000 [09:51<14:09, 67.37it/s]
Training Step:
                43%|
                            | 42806/100000 [09:51<14:27, 65.91it/s]
Training Step:
                43%|
                            | 42813/100000 [09:51<14:36, 65.23it/s]
Training Step:
                43%|
                            | 42820/100000 [09:52<14:52, 64.07it/s]
Training Step:
                            | 42827/100000 [09:52<14:49, 64.28it/s]
                43%|
Training Step:
                43%|
                            | 42834/100000 [09:52<14:59,
63.57it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
out of road.
Training Step:
                43%|
                            | 42841/100000 [09:52<17:12, 55.37it/s]
Training Step:
                43%|
                            | 42850/100000 [09:52<15:23, 61.90it/s]
Training Step:
                43%|
                            | 42858/100000 [09:52<14:22, 66.22it/s]
Training Step:
                43%|
                            | 42866/100000 [09:52<14:03, 67.73it/s]
                            | 42873/100000 [09:52<14:21, 66.28it/s]
Training Step:
                43%|
Training Step:
                43%|
                            | 42880/100000 [09:52<14:48, 64.31it/s]
Training Step:
                43%|
                            | 42887/100000 [09:53<14:55, 63.78it/s]
Training Step:
                43%|
                            | 42894/100000 [09:53<15:23, 61.87it/s]
Training Step:
                43%|
                            | 42901/100000 [09:53<14:57, 63.62it/s]
```

Training Step: 43%| | 42908/100000 [09:53<15:21, 61.96it/s][INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.

| 42915/100000 [09:53<16:12, 58.71it/s] Training Step: 43%| Training Step: 43%| | 42923/100000 [09:53<14:59, 63.46it/s] Training Step: 43%| | 42931/100000 [09:53<14:13, 66.85it/s] Training Step: 43%1 | 42938/100000 [09:53<14:37, 65.03it/s] Training Step: | 42945/100000 [09:54<14:40, 64.80it/s] 43%| Training Step: 43%| | 42952/100000 [09:54<14:59, 63.43it/s] 43%| | 42959/100000 [09:54<15:10, 62.65it/s] Training Step: Training Step: | 42966/100000 [09:54<14:58, 63.45it/s] 43%1 | 42973/100000 [09:54<14:43, 64.54it/s] Training Step: 43%| 42980/100000 [09:54<15:04, 63.07it/s] Training Step: 43%1 | 42987/100000 [09:54<15:18, 62.06it/s] Training Step: 43%| 43%| | 42994/100000 [09:54<15:36, 60.90it/s] Training Step: Training Step: 43%| | 43001/100000 [09:54<15:26, 61.53it/s] Training Step: 43%| | 43008/100000 [09:55<15:36, 60.85it/s] Training Step: 43%| | 43015/100000 [09:55<15:36, 60.86it/s] Training Step: 43%1 43022/100000 [09:55<15:50, 59.92it/s][INFO] Episode ended! Scenario Index: 1017 Reason:

out of road.

Training Step: | 43029/100000 [09:55<16:57, 55.98it/s] 43%| Training Step: 43%| | 43037/100000 [09:55<15:27, 61.39it/s] | 43045/100000 [09:55<14:25, 65.80it/s] Training Step: 43%| Training Step: 43%| | 43053/100000 [09:55<13:52, 68.37it/s] Training Step: 43%1 | 43061/100000 [09:55<13:35, 69.85it/s] | 43069/100000 [09:55<13:12, 71.87it/s] Training Step: 43%| Training Step: 43%1 | 43077/100000 [09:56<13:00, 72.93it/s] 43%| | 43085/100000 [09:56<13:03, 72.67it/s] Training Step: Training Step: 43%| | 43093/100000 [09:56<12:50, 73.90it/s] Training Step: 43%| | 43101/100000 [09:56<13:02, 72.74it/s] Training Step: 43%| | 43109/100000 [09:56<13:00, 72.93it/s] Training Step: | 43117/100000 [09:56<13:19, 71.12it/s] 43%| | 43125/100000 [09:56<13:22, 70.83it/s] Training Step: 43%| | 43133/100000 [09:56<13:18, 71.20it/s] Training Step: 43%| Training Step: 43%| | 43141/100000 [09:56<13:29, 70.23it/s] Training Step: | 43149/100000 [09:57<13:55, 68.06it/s] 43%| Training Step: 43%| | 43156/100000 [09:57<14:13, 66.62it/s] Training Step: 43%| | 43163/100000 [09:57<14:17, 66.28it/s] Training Step: 43%1 | 43170/100000 [09:57<14:29, 65.33it/s] Training Step: 43%| | 43177/100000 [09:57<14:27, 65.53it/s] 43184/100000 [09:57<14:55, 63.42it/s] Training Step: 43%1 Training Step: 43%| | 43191/100000 [09:57<14:53, 63.56it/s] Training Step: 43%| | 43198/100000 [09:57<15:22, 61.59it/s][INFO] Episode ended! Scenario Index: 1001 Reason:

out_of_road.

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| 43205/100000 [09:58<16:25, 57.62it/s]
Training Step:
                43%|
Training Step:
                43%1
                            | 43213/100000 [09:58<15:00, 63.09it/s]
Training Step:
                43%|
                            | 43222/100000 [09:58<13:51, 68.31it/s]
Training Step:
                            | 43229/100000 [09:58<13:49, 68.40it/s]
                43%1
Training Step:
                43%|
                            | 43236/100000 [09:58<14:07, 66.98it/s]
Training Step:
                43%|
                            | 43243/100000 [09:58<14:13, 66.52it/s]
Training Step:
                43%|
                            | 43250/100000 [09:58<14:24, 65.65it/s]
                            | 43257/100000 [09:58<14:25, 65.59it/s]
Training Step:
                43%|
Training Step:
                43%|
                            | 43264/100000 [09:58<14:35, 64.82it/s]
                43%|
                            | 43271/100000 [09:58<14:40, 64.46it/s]
Training Step:
Training Step:
                            | 43278/100000 [09:59<14:50, 63.69it/s]
                43%|
Training Step:
                43%|
                            | 43285/100000 [09:59<15:00, 62.99it/s]
Training Step:
                43%1
                            | 43292/100000 [09:59<15:31,
60.88it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
out_of_road.
Training Step:
                43%|
                            | 43299/100000 [09:59<16:56, 55.80it/s]
Training Step:
                43%|
                            | 43307/100000 [09:59<15:24, 61.32it/s]
Training Step:
                43%1
                            | 43315/100000 [09:59<14:17, 66.09it/s]
Training Step:
                43%|
                            | 43322/100000 [09:59<14:13, 66.42it/s]
                            | 43330/100000 [09:59<13:51, 68.19it/s]
Training Step:
                43%|
Training Step:
                43%|
                            | 43338/100000 [10:00<13:40, 69.06it/s]
Training Step:
                43%|
                            | 43346/100000 [10:00<13:29, 69.96it/s]
Training Step:
                43%|
                            | 43354/100000 [10:00<13:09, 71.76it/s]
                            | 43362/100000 [10:00<13:16, 71.08it/s]
Training Step:
                43%|
Training Step:
                43%|
                            | 43370/100000 [10:00<13:45, 68.59it/s]
Training Step:
                43%1
                            | 43377/100000 [10:00<14:29, 65.10it/s]
Training Step:
                43%1
                            43384/100000 [10:00<15:25,
61.18it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
out_of_road.
Training Step:
                43%|
                            | 43391/100000 [10:00<17:25, 54.17it/s]
Training Step:
                43%|
                            | 43398/100000 [10:00<16:20, 57.70it/s]
Training Step:
                            | 43406/100000 [10:01<15:08, 62.28it/s]
                43%|
Training Step:
                43%|
                            | 43414/100000 [10:01<14:43, 64.08it/s]
Training Step:
                43%|
                            | 43421/100000 [10:01<14:26, 65.30it/s]
Training Step:
                43%|
                            | 43428/100000 [10:01<14:23, 65.51it/s]
Training Step:
                            | 43436/100000 [10:01<14:05, 66.93it/s]
                43%|
Training Step:
                43%|
                            | 43443/100000 [10:01<14:08, 66.67it/s]
Training Step:
                43%|
                            | 43450/100000 [10:01<14:22, 65.59it/s]
Training Step:
                43%1
                            | 43457/100000 [10:01<14:08, 66.63it/s]
Training Step:
                43%|
                            | 43464/100000 [10:01<14:30, 64.98it/s]
                            | 43471/100000 [10:02<14:20, 65.69it/s]
Training Step:
                43%1
Training Step:
                43%|
                            | 43478/100000 [10:02<14:32, 64.79it/s]
Training Step:
                43%|
                            | 43485/100000 [10:02<14:29, 64.98it/s]
Training Step:
                43%|
                            | 43492/100000 [10:02<14:35, 64.57it/s]
```

| 43499/100000 [10:02<14:36, 64.47it/s]

Training Step:

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Training Step:
                44%|
                            | 43506/100000 [10:02<15:30, 60.71it/s]
                44%|
Training Step:
                            | 43513/100000 [10:02<15:32, 60.60it/s]
Training Step:
                44%|
                            | 43520/100000 [10:02<15:57,
59.00it/s][INFO] Episode ended! Scenario Index: 1010 Reason:
out of road.
Training Step:
                44%|
                            | 43526/100000 [10:03<17:34, 53.58it/s]
Training Step:
                44%|
                            | 43534/100000 [10:03<15:57, 58.97it/s]
Training Step:
                44%|
                            | 43542/100000 [10:03<14:58, 62.84it/s]
Training Step:
                44%|
                            | 43550/100000 [10:03<14:19, 65.68it/s]
                44%|
                            | 43557/100000 [10:03<14:11, 66.30it/s]
Training Step:
Training Step:
                44%|
                            | 43564/100000 [10:03<14:00, 67.15it/s]
                44%|
                            | 43572/100000 [10:03<13:50, 67.91it/s]
Training Step:
Training Step:
                44%|
                            | 43579/100000 [10:03<13:48, 68.11it/s]
                            | 43586/100000 [10:03<13:55, 67.50it/s]
Training Step:
                44%|
Training Step:
                44%|
                            | 43594/100000 [10:03<13:52, 67.78it/s]
Training Step:
                44%|
                            | 43602/100000 [10:04<13:45, 68.33it/s]
Training Step:
                44%|
                            | 43610/100000 [10:04<13:52, 67.75it/s]
Training Step:
                44%|
                            | 43617/100000 [10:04<13:45, 68.26it/s]
Training Step:
                44%|
                            43624/100000 [10:04<13:52,
67.68it/s][INFO] Episode ended! Scenario Index: 1009 Reason:
out of road.
Training Step:
                            | 43631/100000 [10:04<16:56, 55.48it/s]
                44%|
                            | 43639/100000 [10:04<15:31, 60.49it/s]
Training Step:
                44%|
Training Step:
                44%|
                            | 43647/100000 [10:04<14:46, 63.55it/s]
                            | 43654/100000 [10:04<14:39, 64.07it/s]
Training Step:
                44%|
                            | 43661/100000 [10:05<14:38, 64.11it/s]
Training Step:
                44%|
Training Step:
                            | 43668/100000 [10:05<14:56, 62.80it/s]
                44%|
Training Step:
                44%|
                            | 43675/100000 [10:05<14:55, 62.88it/s]
Training Step:
                44%|
                            | 43682/100000 [10:05<14:50, 63.27it/s]
Training Step:
                44%|
                            | 43689/100000 [10:05<14:41, 63.89it/s]
Training Step:
                44%|
                            | 43696/100000 [10:05<14:47, 63.47it/s]
Training Step:
                44%|
                            | 43703/100000 [10:05<14:46, 63.52it/s]
Training Step:
                            | 43710/100000 [10:05<15:04, 62.21it/s]
                44%|
                            | 43717/100000 [10:05<14:46, 63.48it/s]
Training Step:
                44%|
Training Step:
                            | 43724/100000 [10:06<14:55, 62.84it/s]
                44%|
Training Step:
                44%|
                            | 43731/100000 [10:06<15:06, 62.07it/s]
Training Step:
                            | 43738/100000 [10:06<15:09, 61.87it/s]
                44%|
                            | 43745/100000 [10:06<15:18, 61.24it/s]
Training Step:
                44%|
Training Step:
                44%|
                            | 43752/100000 [10:06<15:34, 60.21it/s]
Training Step:
                44%|
                            | 43759/100000 [10:06<15:39, 59.85it/s]
Training Step:
                44%|
                            | 43765/100000 [10:06<15:41, 59.73it/s]
Training Step:
                44%|
                            | 43771/100000 [10:06<15:55, 58.83it/s]
                            | 43777/100000 [10:06<16:35, 56.47it/s]
Training Step:
                44%|
Training Step:
                44%|
                            | 43783/100000 [10:07<17:15, 54.29it/s]
Training Step:
                44%|
                            | 43789/100000 [10:07<17:22, 53.94it/s]
```

| 43795/100000 [10:07<17:35, 53.27it/s]

Training Step:

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Training Step:
                44%|
                            | 43801/100000 [10:07<17:58, 52.12it/s]
                44%|
                            | 43807/100000 [10:07<18:00, 52.00it/s]
Training Step:
Training Step:
                44%|
                            | 43813/100000 [10:07<18:07, 51.65it/s]
Training Step:
                44%|
                            | 43819/100000 [10:07<17:53, 52.35it/s]
Training Step:
                            | 43825/100000 [10:07<17:54, 52.30it/s]
                44%|
Training Step:
                44%|
                            | 43831/100000 [10:08<18:08, 51.59it/s]
                            | 43837/100000 [10:08<18:35, 50.33it/s]
Training Step:
                44%|
Training Step:
                44%|
                            | 43843/100000 [10:08<18:43, 49.98it/s]
Training Step:
                44%|
                            | 43849/100000 [10:08<18:51,
49.61it/s][INFO] Episode ended! Scenario Index: 1004 Reason:
out_of_road.
                            | 43854/100000 [10:08<21:49, 42.88it/s]
Training Step:
                44%|
Training Step:
                44%|
                            | 43862/100000 [10:08<18:33, 50.41it/s]
                            | 43870/100000 [10:08<16:18, 57.36it/s]
Training Step:
                44%|
Training Step:
                44%|
                            | 43878/100000 [10:08<15:01, 62.25it/s]
Training Step:
                44%|
                            | 43885/100000 [10:08<14:50, 62.98it/s]
Training Step:
                44%|
                            | 43892/100000 [10:09<14:59, 62.34it/s]
Training Step:
                44%|
                            | 43899/100000 [10:09<14:44, 63.40it/s]
Training Step:
                44%1
                            | 43906/100000 [10:09<14:46, 63.30it/s]
Training Step:
                44%|
                            | 43913/100000 [10:09<14:39, 63.74it/s]
Training Step:
                            | 43920/100000 [10:09<14:59, 62.35it/s]
                44%|
Training Step:
                44%|
                            | 43927/100000 [10:09<15:08,
61.74it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
out_of_road.
                            | 43934/100000 [10:09<18:16, 51.12it/s]
Training Step:
                44%|
                            | 43942/100000 [10:09<16:27, 56.78it/s]
Training Step:
                44%|
Training Step:
                            | 43950/100000 [10:10<15:11, 61.51it/s]
                44%|
Training Step:
                44%|
                            | 43957/100000 [10:10<14:41, 63.55it/s]
Training Step:
                44%|
                            | 43964/100000 [10:10<14:39, 63.74it/s]
Training Step:
                44%|
                            | 43971/100000 [10:10<14:18, 65.27it/s]
Training Step:
                44%|
                            | 43978/100000 [10:10<14:20, 65.14it/s]
Training Step:
                44%|
                            | 43985/100000 [10:10<14:06, 66.13it/s]
Training Step:
                44%|
                            | 43992/100000 [10:10<14:21, 65.01it/s]
                            | 43999/100000 [10:10<14:19, 65.13it/s]
Training Step:
                44%|
Training Step:
                            | 44006/100000 [10:10<15:46, 59.17it/s]
                44%|
Training Step:
                44%|
                            | 44013/100000 [10:11<15:34, 59.88it/s]
Training Step:
                44%|
                            | 44020/100000 [10:11<15:35, 59.87it/s]
Training Step:
                            | 44027/100000 [10:11<15:11, 61.42it/s]
                44%|
Training Step:
                44%|
                            | 44034/100000 [10:11<15:25, 60.47it/s]
                            | 44041/100000 [10:11<15:49, 58.91it/s]
Training Step:
                44%|
Training Step:
                44%|
                            | 44047/100000 [10:11<16:12, 57.52it/s]
Training Step:
                44%|
                            | 44053/100000 [10:11<16:27, 56.66it/s]
                            | 44059/100000 [10:11<16:30, 56.50it/s]
Training Step:
                44%|
Training Step:
                44%|
                            44065/100000 [10:11<16:51, 55.32it/s]
Training Step:
                44%|
                            | 44071/100000 [10:12<17:22,
53.66it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
```

out_of_road.

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Training Step:
                44%|
                            | 44077/100000 [10:12<20:20, 45.80it/s]
Training Step:
                44%|
                            | 44085/100000 [10:12<17:35, 52.95it/s]
Training Step:
                            | 44093/100000 [10:12<15:41, 59.36it/s]
                44%1
Training Step:
                44%|
                            | 44101/100000 [10:12<14:38, 63.64it/s]
Training Step:
                44%|
                            | 44109/100000 [10:12<13:52, 67.16it/s]
Training Step:
                44%|
                            44118/100000 [10:12<13:10, 70.73it/s]
Training Step:
                44%|
                            | 44126/100000 [10:12<12:57, 71.89it/s]
Training Step:
                44%|
                            | 44134/100000 [10:13<12:45, 72.93it/s]
                44%|
                            | 44142/100000 [10:13<12:53, 72.19it/s]
Training Step:
Training Step:
                44%|
                            | 44150/100000 [10:13<12:52, 72.31it/s]
                            | 44158/100000 [10:13<12:44, 73.03it/s]
Training Step:
                44%|
                            44166/100000 [10:13<12:53,
Training Step:
                44%|
72.15it/s][INFO] Episode ended! Scenario Index: 1019 Reason:
out_of_road.
Training Step:
                44%|
                            | 44174/100000 [10:13<14:40, 63.38it/s]
Training Step:
                44%|
                            | 44182/100000 [10:13<13:58, 66.58it/s]
Training Step:
                44%|
                            | 44190/100000 [10:13<13:28, 69.02it/s]
Training Step:
                44%|
                            44198/100000 [10:13<13:49, 67.26it/s]
Training Step:
                            | 44205/100000 [10:14<14:43, 63.14it/s]
                44%|
Training Step:
                44%|
                            | 44212/100000 [10:14<15:24, 60.37it/s]
Training Step:
                44%|
                            | 44219/100000 [10:14<15:56, 58.35it/s]
Training Step:
                44%|
                            | 44225/100000 [10:14<16:27, 56.47it/s]
Training Step:
                44%|
                            | 44231/100000 [10:14<16:29, 56.36it/s]
Training Step:
                44%|
                            | 44237/100000 [10:14<16:28, 56.43it/s]
Training Step:
                44%|
                            | 44243/100000 [10:14<16:19, 56.94it/s]
Training Step:
                44%|
                            | 44249/100000 [10:14<16:39, 55.77it/s]
Training Step:
                44%|
                            | 44255/100000 [10:15<16:46, 55.41it/s]
Training Step:
                44%|
                            | 44261/100000 [10:15<16:45, 55.45it/s]
Training Step:
                44%|
                            | 44267/100000 [10:15<16:28, 56.41it/s]
Training Step:
                44%|
                            | 44273/100000 [10:15<16:48, 55.25it/s]
Training Step:
                44%|
                            | 44279/100000 [10:15<16:50, 55.17it/s]
Training Step:
                            | 44285/100000 [10:15<16:53, 54.98it/s]
                44%|
Training Step:
                44%|
                            | 44291/100000 [10:15<16:58, 54.70it/s]
Training Step:
                            | 44297/100000 [10:15<17:13, 53.92it/s]
                44%|
Training Step:
                44%|
                            44303/100000 [10:15<17:12, 53.96it/s]
Training Step:
                            | 44309/100000 [10:16<17:19, 53.55it/s]
                44%|
                            | 44315/100000 [10:16<17:39, 52.57it/s]
Training Step:
                44%|
Training Step:
                44%|
                            | 44321/100000 [10:16<17:35, 52.73it/s]
Training Step:
                44%|
                            | 44327/100000 [10:16<17:36, 52.70it/s]
Training Step:
                44%|
                            | 44333/100000 [10:16<18:10, 51.07it/s]
                            | 44339/100000 [10:16<18:41, 49.61it/s]
Training Step:
                44%|
                            | 44344/100000 [10:16<18:42, 49.58it/s]
Training Step:
                44%|
Training Step:
                44%|
                            | 44350/100000 [10:16<18:19, 50.62it/s]
Training Step:
                44%|
                            | 44356/100000 [10:16<18:00,
51.49it/s][INFO] Episode ended! Scenario Index: 1012 Reason:
```

out_of_road.

```
Training Step:
                44%|
                             | 44362/100000 [10:17<20:29, 45.27it/s]
Training Step:
                44%|
                            | 44370/100000 [10:17<17:30, 52.95it/s]
Training Step:
                             | 44378/100000 [10:17<15:40, 59.17it/s]
                44%1
Training Step:
                44%|
                            | 44386/100000 [10:17<14:46, 62.72it/s]
Training Step:
                44%|
                            | 44393/100000 [10:17<14:19, 64.66it/s]
Training Step:
                44%|
                            44400/100000 [10:17<14:22, 64.43it/s]
Training Step:
                            | 44408/100000 [10:17<13:52, 66.80it/s]
                44%|
Training Step:
                44%|
                            | 44416/100000 [10:17<13:41, 67.66it/s]
                44%|
                            | 44424/100000 [10:17<13:27, 68.79it/s]
Training Step:
Training Step:
                44%|
                             | 44431/100000 [10:18<13:37, 68.00it/s]
                            | 44438/100000 [10:18<14:04, 65.79it/s]
Training Step:
                44%|
                            | 44445/100000 [10:18<14:03, 65.86it/s]
Training Step:
                44%|
                            | 44452/100000 [10:18<14:35, 63.46it/s]
Training Step:
                44%|
Training Step:
                44%|
                            | 44459/100000 [10:18<14:39, 63.18it/s]
Training Step:
                44%|
                            | 44466/100000 [10:18<14:58, 61.82it/s]
Training Step:
                44%|
                            | 44473/100000 [10:18<15:00, 61.70it/s]
Training Step:
                44%|
                            | 44480/100000 [10:18<14:51, 62.26it/s]
Training Step:
                44%1
                            | 44487/100000 [10:18<14:57, 61.84it/s]
Training Step:
                44%|
                            44494/100000 [10:19<14:54, 62.04it/s]
                            | 44501/100000 [10:19<14:38, 63.18it/s]
Training Step:
                45%|
Training Step:
                45%|
                            | 44508/100000 [10:19<14:36, 63.32it/s]
Training Step:
                            | 44515/100000 [10:19<14:20, 64.46it/s]
                45%|
Training Step:
                45%|
                            | 44522/100000 [10:19<14:26, 64.04it/s]
                            | 44529/100000 [10:19<14:11, 65.17it/s]
Training Step:
                45%|
Training Step:
                45%1
                            | 44536/100000 [10:19<14:30, 63.70it/s]
Training Step:
                45%|
                            | 44543/100000 [10:19<14:28, 63.84it/s]
                            | 44550/100000 [10:20<15:50, 58.35it/s]
Training Step:
                45%1
Training Step:
                45%1
                            | 44556/100000 [10:20<16:32, 55.85it/s]
Training Step:
                45%1
                            | 44562/100000 [10:20<16:59, 54.36it/s]
Training Step:
                45%|
                            | 44568/100000 [10:20<17:17, 53.45it/s]
Training Step:
                45%1
                             | 44574/100000 [10:20<17:48, 51.89it/s]
Training Step:
                45%|
                            | 44580/100000 [10:20<18:07, 50.94it/s]
Training Step:
                            | 44586/100000 [10:20<18:08, 50.91it/s]
                45%|
Training Step:
                45%|
                            | 44592/100000 [10:20<18:38, 49.53it/s]
                            | 44597/100000 [10:20<18:38, 49.52it/s]
Training Step:
                45%|
Training Step:
                45%|
                            44602/100000 [10:21<19:02, 48.47it/s]
Training Step:
                            | 44607/100000 [10:21<18:59, 48.63it/s]
                45%|
Training Step:
                45%|
                            | 44612/100000 [10:21<19:02, 48.47it/s]
Training Step:
                45%|
                            | 44618/100000 [10:21<18:42, 49.36it/s]
Training Step:
                45%1
                            | 44623/100000 [10:21<18:37, 49.54it/s]
Training Step:
                45%|
                            | 44628/100000 [10:21<18:50, 48.97it/s]
Training Step:
                            | 44634/100000 [10:21<18:24, 50.12it/s]
                45%1
                            | 44640/100000 [10:21<17:58, 51.31it/s]
Training Step:
                45%|
Training Step:
                45%1
                            | 44646/100000 [10:21<17:52, 51.62it/s]
Training Step:
                45%|
                             | 44652/100000 [10:22<17:22, 53.07it/s]
Training Step:
                45%1
                             | 44658/100000 [10:22<16:58, 54.32it/s]
```

```
45%|
Training Step:
                            | 44671/100000 [10:22<15:58, 57.71it/s]
Training Step:
                45%1
                            | 44677/100000 [10:22<15:53, 58.03it/s]
Training Step:
                45%|
                            | 44684/100000 [10:22<15:46, 58.45it/s]
Training Step:
                            | 44690/100000 [10:22<15:41, 58.72it/s]
                45%1
Training Step:
                45%|
                            | 44696/100000 [10:22<15:41, 58.75it/s]
                            | 44702/100000 [10:22<15:35, 59.11it/s]
Training Step:
                45%|
Training Step:
                45%|
                            44708/100000 [10:22<15:31, 59.37it/s]
Training Step:
                            | 44715/100000 [10:23<15:08, 60.88it/s]
                45%|
Training Step:
                45%|
                            | 44722/100000 [10:23<15:12, 60.55it/s]
                            | 44729/100000 [10:23<14:44, 62.52it/s]
Training Step:
                45%|
Training Step:
                            | 44736/100000 [10:23<14:34, 63.21it/s]
                45%1
                            | 44744/100000 [10:23<13:58, 65.93it/s]
Training Step:
                45%|
                            | 44752/100000 [10:23<13:34, 67.80it/s]
Training Step:
                45%1
Training Step:
                45%1
                            | 44760/100000 [10:23<13:21, 68.91it/s]
                45%1
                            | 44768/100000 [10:23<13:14, 69.49it/s]
Training Step:
Training Step:
                45%|
                            | 44776/100000 [10:23<12:44, 72.22it/s]
Training Step:
                45%1
                            | 44784/100000 [10:24<12:30, 73.59it/s]
Training Step:
                45%|
                            | 44792/100000 [10:24<12:51, 71.59it/s]
Training Step:
                45%1
                            | 44800/100000 [10:24<13:00, 70.75it/s]
Training Step:
                45%|
                            44809/100000 [10:24<12:13, 75.25it/s]
                            | 44818/100000 [10:24<11:52, 77.43it/s]
Training Step:
                45%|
Training Step:
                45%|
                            | 44827/100000 [10:24<11:34, 79.40it/s]
Training Step:
                45%|
                            | 44835/100000 [10:24<11:35, 79.35it/s]
Training Step:
                45%|
                            | 44844/100000 [10:24<11:30, 79.88it/s]
                            | 44853/100000 [10:24<11:15,
Training Step:
                45%|
81.60it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
arrive_dest.
Training Step:
                45%|
                            | 44862/100000 [10:25<12:56, 71.00it/s]
Training Step:
                45%1
                            44870/100000 [10:25<12:33, 73.13it/s]
                            | 44878/100000 [10:25<12:21, 74.37it/s]
Training Step:
                45%|
Training Step:
                45%1
                            | 44886/100000 [10:25<12:21, 74.28it/s]
Training Step:
                45%|
                            | 44894/100000 [10:25<12:20, 74.42it/s]
Training Step:
                            | 44902/100000 [10:25<12:19, 74.53it/s]
                45%|
                            | 44910/100000 [10:25<12:16, 74.80it/s]
Training Step:
                45%|
                            | 44918/100000 [10:25<12:10, 75.42it/s]
Training Step:
                45%|
Training Step:
                45%|
                            | 44926/100000 [10:25<12:20, 74.39it/s]
Training Step:
                            | 44934/100000 [10:26<12:19, 74.50it/s]
                45%|
Training Step:
                45%|
                            | 44942/100000 [10:26<12:24, 73.96it/s]
```

| 44664/100000 [10:22<16:32, 55.77it/s]

Training Step:

Training Step:

Training Step:

Training Step:

Training Step: Training Step:

Training Step:

Training Step:

Training Step:

45%|

45%1

45%|

45%1

45%|

45%|

45%|

45%|

45%|

| 44950/100000 [10:26<12:21, 74.20it/s]

| 44958/100000 [10:26<13:19, 68.85it/s]

| 44965/100000 [10:26<13:43, 66.80it/s] | 44972/100000 [10:26<14:01, 65.37it/s]

| 44979/100000 [10:26<14:01, 65.38it/s]

| 44986/100000 [10:26<14:14, 64.35it/s]

| 44993/100000 [10:26<14:08, 64.83it/s]

| 45000/100000 [10:27<14:24, 63.61it/s]

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Training Step:
                45%|
                            | 45007/100000 [10:27<14:31, 63.11it/s]
                            | 45014/100000 [10:27<14:52, 61.61it/s]
                45%|
Training Step:
Training Step:
                45%|
                            | 45021/100000 [10:27<14:46, 62.03it/s]
Training Step:
                45%|
                            | 45028/100000 [10:27<15:02, 60.88it/s]
Training Step:
                            | 45035/100000 [10:27<15:05, 60.72it/s]
                45%1
Training Step:
                45%|
                            | 45042/100000 [10:27<15:13, 60.14it/s]
                            | 45049/100000 [10:27<15:10, 60.36it/s]
Training Step:
                45%|
Training Step:
                45%1
                            | 45056/100000 [10:28<15:10, 60.35it/s]
Training Step:
                45%|
                            | 45063/100000 [10:28<15:05, 60.67it/s]
Training Step:
                45%|
                            | 45070/100000 [10:28<14:57, 61.20it/s]
                45%|
                            | 45077/100000 [10:28<14:42, 62.24it/s]
Training Step:
Training Step:
                45%|
                            | 45084/100000 [10:28<14:45, 61.99it/s]
                            | 45091/100000 [10:28<14:44, 62.07it/s]
Training Step:
                45%|
Training Step:
                45%1
                            | 45098/100000 [10:28<14:46, 61.91it/s]
                            | 45105/100000 [10:28<14:17, 64.03it/s]
Training Step:
                45%|
Training Step:
                45%|
                            | 45112/100000 [10:28<14:09, 64.62it/s]
Training Step:
                45%|
                            | 45119/100000 [10:28<13:49, 66.14it/s]
Training Step:
                45%|
                            | 45126/100000 [10:29<13:45, 66.49it/s]
Training Step:
                45%|
                            | 45133/100000 [10:29<13:53, 65.79it/s]
Training Step:
                45%1
                            | 45140/100000 [10:29<13:59, 65.31it/s]
                            | 45147/100000 [10:29<13:57, 65.52it/s]
Training Step:
                45%|
                            | 45154/100000 [10:29<14:09, 64.59it/s]
Training Step:
                45%|
Training Step:
                45%|
                            | 45161/100000 [10:29<13:54, 65.75it/s]
Training Step:
                45%|
                            | 45168/100000 [10:29<13:57, 65.47it/s]
Training Step:
                45%|
                            | 45176/100000 [10:29<13:41, 66.76it/s]
                45%|
                            | 45183/100000 [10:29<13:39, 66.92it/s]
Training Step:
                            | 45190/100000 [10:30<13:53, 65.74it/s]
Training Step:
                45%|
                            | 45197/100000 [10:30<14:01, 65.10it/s]
Training Step:
                45%|
                            | 45204/100000 [10:30<14:16, 63.96it/s]
Training Step:
                45%|
Training Step:
                45%|
                            | 45211/100000 [10:30<13:56, 65.46it/s]
Training Step:
                45%|
                            | 45218/100000 [10:30<13:56, 65.45it/s]
Training Step:
                45%|
                            | 45225/100000 [10:30<13:40, 66.75it/s]
Training Step:
                45%|
                            | 45232/100000 [10:30<13:38, 66.91it/s]
Training Step:
                45%|
                            | 45239/100000 [10:30<13:46, 66.25it/s]
Training Step:
                            | 45247/100000 [10:30<13:16, 68.72it/s]
                45%|
                            | 45254/100000 [10:31<13:15, 68.78it/s]
Training Step:
                45%|
Training Step:
                            | 45261/100000 [10:31<13:16, 68.73it/s]
                45%|
Training Step:
                45%1
                            | 45269/100000 [10:31<12:48, 71.19it/s]
Training Step:
                            | 45277/100000 [10:31<12:24,
                45%|
73.55it/s][INFO] Episode ended! Scenario Index: 1001 Reason:
arrive_dest.
Training Step:
                45%|
                            | 45285/100000 [10:31<14:19, 63.67it/s]
Training Step:
                45%|
                            | 45292/100000 [10:31<14:08, 64.48it/s]
                            | 45299/100000 [10:31<13:51, 65.79it/s]
Training Step:
                45%|
Training Step:
                45%|
                            | 45306/100000 [10:31<14:22, 63.44it/s]
Training Step:
                45%|
                            | 45313/100000 [10:31<14:57, 60.91it/s]
Training Step:
                45%|
                            | 45320/100000 [10:32<15:32, 58.64it/s]
```

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Training Step:
                45%|
                            | 45326/100000 [10:32<16:00, 56.91it/s]
                45%|
                            | 45332/100000 [10:32<16:06, 56.54it/s]
Training Step:
Training Step:
                45%|
                            | 45338/100000 [10:32<16:19, 55.81it/s]
Training Step:
                45%|
                            | 45344/100000 [10:32<16:12, 56.19it/s]
Training Step:
                            | 45350/100000 [10:32<16:21, 55.70it/s]
                45%1
Training Step:
                45%|
                            | 45356/100000 [10:32<16:35, 54.91it/s]
                            | 45362/100000 [10:32<16:37, 54.80it/s]
Training Step:
                45%|
Training Step:
                45%1
                            | 45368/100000 [10:32<16:22, 55.63it/s]
Training Step:
                45%|
                            | 45374/100000 [10:33<16:36,
54.83it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
out_of_road.
                            | 45380/100000 [10:33<18:43, 48.63it/s]
Training Step:
                45%|
Training Step:
                45%|
                            45388/100000 [10:33<16:33, 54.99it/s]
                            | 45396/100000 [10:33<15:10, 59.98it/s]
Training Step:
                45%|
Training Step:
                45%|
                            | 45404/100000 [10:33<14:08, 64.31it/s]
Training Step:
                45%|
                            | 45412/100000 [10:33<13:46, 66.07it/s]
Training Step:
                45%|
                            | 45419/100000 [10:33<13:32, 67.14it/s]
Training Step:
                45%|
                            | 45426/100000 [10:33<13:47, 65.91it/s]
Training Step:
                45%1
                            | 45434/100000 [10:33<13:33, 67.04it/s]
Training Step:
                45%|
                            | 45442/100000 [10:34<13:28, 67.45it/s]
                            | 45449/100000 [10:34<13:31, 67.23it/s]
Training Step:
                45%|
Training Step:
                45%|
                            | 45456/100000 [10:34<14:11, 64.07it/s]
Training Step:
                45%|
                            | 45463/100000 [10:34<15:05, 60.26it/s]
Training Step:
                45%|
                            | 45470/100000 [10:34<14:48, 61.37it/s]
Training Step:
                            | 45477/100000 [10:34<14:25, 63.01it/s]
                45%|
                            | 45484/100000 [10:34<14:20, 63.37it/s]
Training Step:
                45%|
                            | 45491/100000 [10:34<13:58, 65.03it/s]
Training Step:
                45%|
                            | 45498/100000 [10:34<14:06, 64.42it/s]
Training Step:
                45%|
Training Step:
                46%1
                            | 45505/100000 [10:35<13:48, 65.81it/s]
Training Step:
                46%1
                            | 45512/100000 [10:35<13:49, 65.70it/s]
Training Step:
                46%|
                            | 45519/100000 [10:35<13:43, 66.13it/s]
Training Step:
                46%1
                            | 45526/100000 [10:35<13:38, 66.56it/s]
Training Step:
                46%|
                            | 45534/100000 [10:35<13:22, 67.90it/s]
Training Step:
                            | 45542/100000 [10:35<13:20, 68.05it/s]
                46%|
                            | 45549/100000 [10:35<13:40, 66.37it/s]
Training Step:
                46%|
Training Step:
                            | 45556/100000 [10:35<14:19, 63.32it/s]
                46%|
Training Step:
                46%1
                            | 45563/100000 [10:35<14:41, 61.77it/s]
Training Step:
                            | 45570/100000 [10:36<14:54, 60.87it/s]
                46%|
                            | 45577/100000 [10:36<15:00, 60.41it/s]
Training Step:
                46%|
Training Step:
                46%|
                            | 45584/100000 [10:36<15:10, 59.77it/s]
Training Step:
                46%1
                            | 45590/100000 [10:36<15:16, 59.36it/s]
Training Step:
                46%|
                            | 45596/100000 [10:36<15:28, 58.57it/s]
Training Step:
                46%1
                            45602/100000 [10:36<15:42, 57.69it/s]
                            | 45608/100000 [10:36<15:50, 57.21it/s]
Training Step:
                46%|
Training Step:
                46%|
                            45614/100000 [10:36<15:53, 57.03it/s]
Training Step:
                46%|
                            | 45620/100000 [10:36<15:47, 57.39it/s]
Training Step:
                46%1
                            | 45626/100000 [10:37<15:51,
```

57.15it/s][INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.

```
Training Step:
                46%|
                            | 45632/100000 [10:37<19:10, 47.26it/s]
Training Step:
                            | 45640/100000 [10:37<16:25, 55.18it/s]
                46%1
Training Step:
                46%|
                            | 45648/100000 [10:37<15:02, 60.23it/s]
Training Step:
                46%|
                            | 45656/100000 [10:37<14:22, 62.97it/s]
Training Step:
                46%1
                            45663/100000 [10:37<14:11, 63.83it/s]
Training Step:
                            | 45670/100000 [10:37<14:34, 62.12it/s]
                46%|
Training Step:
                46%|
                            | 45677/100000 [10:37<14:23, 62.89it/s]
Training Step:
                46%1
                            | 45684/100000 [10:38<14:13, 63.62it/s]
Training Step:
                            | 45691/100000 [10:38<14:20, 63.11it/s]
                46%1
                            | 45698/100000 [10:38<15:11, 59.57it/s]
Training Step:
                46%1
                            | 45705/100000 [10:38<14:56, 60.58it/s]
Training Step:
                46%1
                            | 45712/100000 [10:38<15:01, 60.19it/s]
Training Step:
                46%1
Training Step:
                46%1
                            | 45719/100000 [10:38<14:51, 60.87it/s]
Training Step:
                46%1
                            | 45726/100000 [10:38<15:10, 59.62it/s]
Training Step:
                46%1
                            | 45733/100000 [10:38<14:57, 60.46it/s]
Training Step:
                46%|
                            | 45740/100000 [10:38<15:09, 59.65it/s]
Training Step:
                46%1
                            | 45747/100000 [10:39<14:57, 60.48it/s]
Training Step:
                46%|
                            | 45754/100000 [10:39<15:11, 59.51it/s]
                            | 45761/100000 [10:39<15:00, 60.22it/s]
Training Step:
                46%|
Training Step:
                46%|
                            | 45768/100000 [10:39<15:13, 59.34it/s]
Training Step:
                46%|
                            | 45775/100000 [10:39<15:02, 60.10it/s]
Training Step:
                46%|
                            | 45782/100000 [10:39<15:31, 58.18it/s]
Training Step:
                            | 45789/100000 [10:39<15:12, 59.39it/s]
                46%1
Training Step:
                46%1
                            | 45795/100000 [10:39<15:12, 59.40it/s]
                            | 45802/100000 [10:40<15:10, 59.52it/s]
Training Step:
                46%1
Training Step:
                            45809/100000 [10:40<14:59, 60.25it/s]
                46%1
Training Step:
                46%1
                            | 45816/100000 [10:40<15:43, 57.42it/s]
Training Step:
                46%1
                            | 45822/100000 [10:40<15:37, 57.79it/s]
Training Step:
                46%1
                            | 45828/100000 [10:40<15:42, 57.46it/s]
Training Step:
                46%1
                            | 45834/100000 [10:40<15:57, 56.59it/s]
Training Step:
                46%|
                            | 45840/100000 [10:40<15:43, 57.38it/s]
Training Step:
                            | 45846/100000 [10:40<15:47, 57.15it/s]
                46%|
                            | 45852/100000 [10:40<16:06, 56.05it/s]
Training Step:
                46%|
Training Step:
                            | 45858/100000 [10:41<16:08, 55.90it/s]
                46%|
Training Step:
                46%1
                            45864/100000 [10:41<16:31, 54.59it/s]
Training Step:
                            | 45870/100000 [10:41<16:31, 54.58it/s]
                46%|
                            | 45876/100000 [10:41<16:34, 54.42it/s]
Training Step:
                46%1
Training Step:
                46%|
                            | 45882/100000 [10:41<16:31, 54.61it/s]
Training Step:
                46%1
                            | 45888/100000 [10:41<16:36, 54.29it/s]
Training Step:
                46%1
                            | 45894/100000 [10:41<16:37, 54.22it/s]
                            | 45900/100000 [10:41<16:25, 54.91it/s]
Training Step:
                46%1
                            | 45906/100000 [10:41<17:20, 51.97it/s]
Training Step:
                46%1
Training Step:
                46%1
                            | 45912/100000 [10:42<18:05, 49.81it/s]
Training Step:
                46%1
                            | 45918/100000 [10:42<18:45, 48.07it/s]
Training Step:
                46%1
                            | 45923/100000 [10:42<18:44, 48.07it/s]
```

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Training Step:
                46%1
                            | 45928/100000 [10:42<19:14, 46.84it/s]
                            | 45933/100000 [10:42<19:05, 47.18it/s]
                46%1
Training Step:
Training Step:
                46%1
                            | 45938/100000 [10:42<19:21, 46.55it/s]
Training Step:
                46%|
                            | 45943/100000 [10:42<19:10, 46.98it/s]
Training Step:
                            | 45948/100000 [10:42<19:21, 46.53it/s]
                46%1
Training Step:
                46%|
                            | 45953/100000 [10:42<19:23, 46.46it/s]
Training Step:
                46%|
                            | 45958/100000 [10:43<19:46, 45.53it/s]
Training Step:
                46%1
                            | 45963/100000 [10:43<19:31, 46.13it/s]
Training Step:
                            | 45968/100000 [10:43<19:46, 45.55it/s]
                46%|
Training Step:
                46%|
                            | 45973/100000 [10:43<19:37, 45.90it/s]
                46%1
                            | 45978/100000 [10:43<19:33, 46.02it/s]
Training Step:
Training Step:
                            | 45983/100000 [10:43<19:31, 46.10it/s]
                46%1
                            | 45988/100000 [10:43<19:23, 46.42it/s]
Training Step:
                46%|
Training Step:
                            | 45993/100000 [10:43<19:01, 47.30it/s]
                46%1
                            | 45998/100000 [10:43<18:59, 47.40it/s]
Training Step:
                46%1
Training Step:
                46%1
                            | 46003/100000 [10:44<19:46, 45.52it/s]
Training Step:
                46%1
                            | 46008/100000 [10:44<19:51, 45.30it/s]
Training Step:
                46%1
                            | 46014/100000 [10:44<19:09, 46.97it/s]
Training Step:
                46%|
                            | 46020/100000 [10:44<18:43, 48.04it/s]
Training Step:
                46%1
                            | 46026/100000 [10:44<18:12, 49.41it/s]
Training Step:
                            | 46032/100000 [10:44<17:40, 50.91it/s]
                46%|
                            | 46038/100000 [10:44<17:23, 51.70it/s]
Training Step:
                46%|
Training Step:
                46%1
                            | 46044/100000 [10:44<17:17, 51.98it/s]
Training Step:
                46%|
                            | 46050/100000 [10:44<17:19, 51.90it/s]
                            | 46056/100000 [10:45<17:12, 52.26it/s]
Training Step:
                46%|
                            | 46062/100000 [10:45<17:31, 51.29it/s]
Training Step:
                46%|
                            | 46068/100000 [10:45<16:50, 53.35it/s]
Training Step:
                46%1
                            | 46074/100000 [10:45<16:41, 53.85it/s]
Training Step:
                46%1
                            | 46080/100000 [10:45<16:15, 55.25it/s]
Training Step:
                46%1
Training Step:
                46%1
                            | 46086/100000 [10:45<16:06, 55.81it/s]
Training Step:
                46%1
                            | 46092/100000 [10:45<15:45, 57.00it/s]
Training Step:
                46%|
                            | 46098/100000 [10:45<15:36, 57.54it/s]
Training Step:
                46%1
                            | 46104/100000 [10:45<15:30, 57.92it/s]
Training Step:
                46%|
                            | 46110/100000 [10:46<15:23, 58.36it/s]
Training Step:
                            | 46117/100000 [10:46<14:39, 61.24it/s]
                46%|
                            | 46125/100000 [10:46<13:48, 65.04it/s]
Training Step:
                46%|
Training Step:
                            | 46132/100000 [10:46<13:51, 64.80it/s]
                46%|
Training Step:
                46%1
                            | 46140/100000 [10:46<13:34, 66.11it/s]
Training Step:
                46%|
                            | 46148/100000 [10:46<12:59, 69.05it/s]
Training Step:
                46%|
                            46158/100000 [10:46<11:53,
75.49it/s][INFO] Episode ended! Scenario Index: 1006 Reason:
arrive_dest.
                            46166/100000 [10:46<14:19, 62.61it/s]
Training Step:
                46%1
                            | 46174/100000 [10:46<13:58, 64.21it/s]
Training Step:
                46%1
Training Step:
                46%1
                            46182/100000 [10:47<13:34, 66.04it/s]
Training Step:
                46%1
                            | 46189/100000 [10:47<14:10, 63.29it/s]
Training Step:
                46%1
                            | 46196/100000 [10:47<14:49, 60.48it/s]
```

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Training Step:
                46%1
                            46203/100000 [10:47<14:36, 61.35it/s]
                46%1
                            | 46210/100000 [10:47<14:49, 60.44it/s]
Training Step:
Training Step:
                46%1
                            | 46217/100000 [10:47<14:56, 59.96it/s]
Training Step:
                46%|
                            | 46224/100000 [10:47<15:06, 59.32it/s]
Training Step:
                            | 46230/100000 [10:47<15:06, 59.35it/s]
                46%1
Training Step:
                46%|
                            | 46237/100000 [10:48<14:54, 60.12it/s]
Training Step:
                46%|
                            | 46244/100000 [10:48<14:41, 60.99it/s]
                            | 46251/100000 [10:48<15:56, 56.20it/s]
Training Step:
                46%1
Training Step:
                            | 46257/100000 [10:48<16:59, 52.70it/s]
                46%|
Training Step:
                46%|
                            | 46263/100000 [10:48<18:17, 48.95it/s]
                46%1
                            | 46268/100000 [10:48<18:52, 47.45it/s]
Training Step:
Training Step:
                            | 46273/100000 [10:48<19:13, 46.56it/s]
                46%1
                            | 46278/100000 [10:48<20:08, 44.46it/s]
Training Step:
                46%1
                              46283/100000 [10:49<20:21, 43.96it/s]
Training Step:
                46%1
                            | 46288/100000 [10:49<20:22, 43.93it/s]
Training Step:
                46%1
Training Step:
                46%1
                            | 46294/100000 [10:49<19:30, 45.87it/s]
Training Step:
                46%1
                            | 46300/100000 [10:49<18:53, 47.36it/s]
Training Step:
                46%1
                            | 46306/100000 [10:49<17:44, 50.44it/s]
Training Step:
                46%|
                            | 46312/100000 [10:49<17:08, 52.20it/s]
Training Step:
                46%1
                            | 46318/100000 [10:49<16:54, 52.90it/s]
Training Step:
                46%|
                            46324/100000 [10:49<17:01, 52.53it/s]
                            | 46330/100000 [10:49<17:11, 52.01it/s]
Training Step:
                46%|
Training Step:
                46%1
                            | 46336/100000 [10:50<17:16, 51.78it/s]
Training Step:
                46%|
                            | 46342/100000 [10:50<17:08, 52.18it/s]
Training Step:
                46%|
                            | 46348/100000 [10:50<17:27, 51.24it/s]
                            | 46354/100000 [10:50<18:44, 47.70it/s]
Training Step:
                46%1
                            | 46359/100000 [10:50<20:04, 44.54it/s]
Training Step:
                46%1
                            | 46364/100000 [10:50<21:54, 40.79it/s]
Training Step:
                46%1
                            | 46369/100000 [10:50<22:52, 39.07it/s]
Training Step:
                46%1
Training Step:
                46%1
                            | 46373/100000 [10:50<23:56, 37.34it/s]
Training Step:
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                              46377/100000 [10:51<23:48, 37.53it/s]
                            | 46381/100000 [10:51<25:47, 34.65it/s]
Training Step:
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Training Step:
                46%1
                            | 46385/100000 [10:51<25:58, 34.39it/s]
Training Step:
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                            | 46389/100000 [10:51<25:19, 35.28it/s]
Training Step:
                            | 46393/100000 [10:51<26:08, 34.18it/s]
                46%|
                            | 46397/100000 [10:51<25:25, 35.15it/s]
Training Step:
                46%|
                            | 46401/100000 [10:51<24:38, 36.26it/s]
Training Step:
                46%|
Training Step:
                46%1
                            | 46405/100000 [10:51<24:09, 36.98it/s]
Training Step:
                            | 46409/100000 [10:51<24:12, 36.90it/s]
                46%|
                            | 46413/100000 [10:52<24:34, 36.34it/s]
Training Step:
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Training Step:
                46%|
                            | 46417/100000 [10:52<24:42, 36.15it/s]
                            | 46421/100000 [10:52<24:27, 36.51it/s]
Training Step:
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Training Step:
                46%1
                            | 46425/100000 [10:52<24:21, 36.67it/s]
                            | 46429/100000 [10:52<24:12, 36.88it/s]
Training Step:
                46%1
Training Step:
                46%1
                            | 46433/100000 [10:52<23:46, 37.55it/s]
Training Step:
                46%1
                            46437/100000 [10:52<23:36, 37.82it/s]
Training Step:
                46%1
                            | 46441/100000 [10:52<23:25, 38.12it/s]
Training Step:
                46%1
                            | 46445/100000 [10:52<23:17, 38.33it/s]
```

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Training Step:
                46%1
                            46449/100000 [10:53<23:13, 38.43it/s]
                46%1
                            | 46453/100000 [10:53<23:13, 38.42it/s]
Training Step:
Training Step:
                46%1
                            | 46458/100000 [10:53<22:50, 39.06it/s]
Training Step:
                46%|
                            | 46463/100000 [10:53<22:22, 39.89it/s]
Training Step:
                            | 46468/100000 [10:53<21:53, 40.77it/s]
                46%1
Training Step:
                46%|
                            | 46473/100000 [10:53<21:30, 41.47it/s]
Training Step:
                46%|
                            | 46478/100000 [10:53<21:51, 40.80it/s]
Training Step:
                46%1
                            | 46483/100000 [10:53<21:30, 41.48it/s]
Training Step:
                            | 46488/100000 [10:53<21:21, 41.75it/s]
                46%|
                            | 46493/100000 [10:54<21:06, 42.26it/s]
Training Step:
                46%|
                46%1
                            | 46498/100000 [10:54<20:52, 42.73it/s]
Training Step:
Training Step:
                47%|
                            | 46503/100000 [10:54<20:13, 44.10it/s]
                47%|
                            | 46508/100000 [10:54<20:24, 43.67it/s]
Training Step:
Training Step:
                              46513/100000 [10:54<20:16, 43.96it/s]
                47%|
                            | 46518/100000 [10:54<19:48, 45.00it/s]
Training Step:
                47%|
Training Step:
                47%|
                            | 46523/100000 [10:54<19:28, 45.76it/s]
Training Step:
                47%|
                            | 46528/100000 [10:54<19:34, 45.54it/s]
Training Step:
                47%|
                            | 46533/100000 [10:54<19:09, 46.53it/s]
Training Step:
                47%|
                            | 46538/100000 [10:55<19:01, 46.85it/s]
Training Step:
                47%1
                            | 46543/100000 [10:55<18:56, 47.02it/s]
                            | 46548/100000 [10:55<19:10, 46.45it/s]
Training Step:
                47%|
                            | 46553/100000 [10:55<18:51, 47.24it/s]
Training Step:
                47%|
Training Step:
                47%1
                            | 46558/100000 [10:55<18:54, 47.09it/s]
Training Step:
                47%|
                            | 46563/100000 [10:55<18:44, 47.52it/s]
Training Step:
                47%|
                            | 46569/100000 [10:55<18:16, 48.73it/s]
                            | 46574/100000 [10:55<18:11, 48.95it/s]
Training Step:
                47%|
                            | 46579/100000 [10:55<18:04, 49.25it/s]
Training Step:
                47%|
                            | 46584/100000 [10:56<18:09, 49.04it/s]
Training Step:
                47%|
                              46590/100000 [10:56<17:44, 50.19it/s]
Training Step:
                47%|
Training Step:
                47%|
                            | 46596/100000 [10:56<17:05, 52.10it/s]
Training Step:
                47%|
                              46602/100000 [10:56<17:24, 51.14it/s]
Training Step:
                47%|
                            | 46608/100000 [10:56<16:55, 52.58it/s]
Training Step:
                47%|
                            | 46614/100000 [10:56<16:33, 53.76it/s]
Training Step:
                47%|
                            | 46621/100000 [10:56<15:43, 56.59it/s]
Training Step:
                            | 46627/100000 [10:56<15:27, 57.55it/s]
                47%|
                            | 46634/100000 [10:56<15:13, 58.44it/s]
Training Step:
                47%|
Training Step:
                            | 46641/100000 [10:57<14:46, 60.17it/s]
                47%|
Training Step:
                47%|
                            46648/100000 [10:57<14:29, 61.38it/s]
Training Step:
                            | 46656/100000 [10:57<13:54, 63.93it/s]
                47%|
                            | 46664/100000 [10:57<13:38, 65.14it/s]
Training Step:
                47%|
Training Step:
                47%|
                            | 46672/100000 [10:57<13:07, 67.73it/s]
                              46680/100000 [10:57<12:47, 69.48it/s]
Training Step:
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Training Step:
                47%|
                            | 46688/100000 [10:57<12:34, 70.64it/s]
Training Step:
                            46697/100000 [10:57<11:54, 74.60it/s]
                47%|
                            | 46706/100000 [10:57<11:34, 76.78it/s]
Training Step:
                47%|
Training Step:
                47%|
                            46715/100000 [10:57<11:07, 79.82it/s]
Training Step:
                47%|
                            | 46724/100000 [10:58<10:55, 81.33it/s]
Training Step:
                47%|
                            | 46733/100000 [10:58<10:39,
```

83.33it/s][INFO] Episode ended! Scenario Index: 1004 Reason: arrive_dest.

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Training Step:
                47%|
                            | 46742/100000 [10:58<13:30, 65.71it/s]
Training Step:
                            | 46750/100000 [10:58<13:02, 68.01it/s]
                47%1
Training Step:
                47%|
                            | 46758/100000 [10:58<13:01, 68.11it/s]
Training Step:
                47%|
                            | 46766/100000 [10:58<13:41, 64.83it/s]
Training Step:
                47%|
                            | 46773/100000 [10:58<13:57, 63.58it/s]
Training Step:
                            | 46780/100000 [10:59<14:21, 61.74it/s]
                47%|
Training Step:
                47%|
                            | 46787/100000 [10:59<14:31, 61.04it/s]
                47%|
                            | 46794/100000 [10:59<14:54, 59.50it/s]
Training Step:
Training Step:
                            | 46801/100000 [10:59<14:57, 59.30it/s]
                47%|
                            | 46807/100000 [10:59<14:58, 59.18it/s]
Training Step:
                47%|
Training Step:
                            46813/100000 [10:59<15:14, 58.16it/s]
                47%|
                            | 46819/100000 [10:59<15:54, 55.70it/s]
Training Step:
                47%|
Training Step:
                47%|
                            | 46825/100000 [10:59<15:54, 55.72it/s]
Training Step:
                47%|
                            | 46831/100000 [10:59<15:39, 56.58it/s]
Training Step:
                47%|
                            | 46837/100000 [11:00<15:31, 57.06it/s]
Training Step:
                47%|
                            | 46843/100000 [11:00<15:25, 57.41it/s]
Training Step:
                47%1
                            | 46850/100000 [11:00<15:15, 58.03it/s]
Training Step:
                47%|
                            46856/100000 [11:00<15:12, 58.25it/s]
Training Step:
                            | 46863/100000 [11:00<14:52, 59.56it/s]
                47%|
Training Step:
                47%|
                            | 46869/100000 [11:00<15:00, 59.02it/s]
Training Step:
                47%|
                            | 46876/100000 [11:00<15:03, 58.80it/s]
Training Step:
                47%|
                            | 46882/100000 [11:00<15:23, 57.53it/s]
Training Step:
                            | 46888/100000 [11:00<16:31, 53.59it/s]
                47%|
Training Step:
                47%|
                            | 46894/100000 [11:01<17:12, 51.44it/s]
                            | 46900/100000 [11:01<17:41, 50.01it/s]
Training Step:
                47%|
                            | 46906/100000 [11:01<17:52, 49.52it/s]
Training Step:
                47%|
Training Step:
                47%|
                            | 46911/100000 [11:01<18:03, 49.01it/s]
Training Step:
                47%|
                            | 46916/100000 [11:01<18:43, 47.26it/s]
Training Step:
                47%|
                            | 46921/100000 [11:01<18:52, 46.86it/s]
Training Step:
                47%|
                            | 46926/100000 [11:01<19:11, 46.09it/s]
Training Step:
                47%|
                            | 46931/100000 [11:01<19:34, 45.18it/s]
Training Step:
                            | 46936/100000 [11:01<19:21, 45.67it/s]
                47%|
                            | 46941/100000 [11:02<19:26, 45.49it/s]
Training Step:
                47%|
Training Step:
                            | 46946/100000 [11:02<19:45, 44.75it/s]
                47%|
Training Step:
                47%|
                            46951/100000 [11:02<19:14, 45.94it/s]
Training Step:
                            | 46956/100000 [11:02<19:37, 45.06it/s]
                47%|
                            | 46961/100000 [11:02<19:05, 46.30it/s]
Training Step:
                47%|
Training Step:
                47%|
                            | 46966/100000 [11:02<18:55, 46.69it/s]
Training Step:
                47%|
                            | 46971/100000 [11:02<18:39, 47.36it/s]
Training Step:
                47%|
                            | 46976/100000 [11:02<18:37, 47.44it/s]
                            | 46981/100000 [11:02<18:29, 47.77it/s]
Training Step:
                47%|
                            | 46986/100000 [11:03<19:05, 46.27it/s]
Training Step:
                47%|
Training Step:
                47%|
                            | 46991/100000 [11:03<18:49, 46.93it/s]
Training Step:
                47%|
                            | 46996/100000 [11:03<19:06, 46.22it/s]
Training Step:
                47%|
                            | 47001/100000 [11:03<18:50, 46.89it/s]
```

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Training Step:
                47%|
                             | 47006/100000 [11:03<18:44, 47.11it/s]
                            | 47012/100000 [11:03<18:22, 48.05it/s]
                47%|
Training Step:
Training Step:
                47%|
                            | 47017/100000 [11:03<18:16, 48.33it/s]
Training Step:
                47%|
                            | 47022/100000 [11:03<18:36, 47.45it/s]
Training Step:
                            | 47027/100000 [11:03<18:41, 47.24it/s]
                47%1
Training Step:
                47%|
                            | 47032/100000 [11:04<19:27, 45.38it/s]
Training Step:
                47%|
                            | 47037/100000 [11:04<19:05, 46.22it/s]
Training Step:
                47%|
                            | 47042/100000 [11:04<18:57, 46.55it/s]
Training Step:
                47%|
                            | 47047/100000 [11:04<18:37, 47.39it/s]
                            | 47052/100000 [11:04<20:23, 43.29it/s]
Training Step:
                47%|
                47%|
                            | 47057/100000 [11:04<19:59, 44.14it/s]
Training Step:
Training Step:
                47%|
                            | 47062/100000 [11:04<19:58, 44.18it/s]
                47%|
                            | 47067/100000 [11:04<19:19, 45.65it/s]
Training Step:
Training Step:
                47%|
                            | 47072/100000 [11:04<19:08, 46.10it/s]
                            | 47077/100000 [11:04<18:41, 47.20it/s]
Training Step:
                47%|
Training Step:
                47%|
                            | 47082/100000 [11:05<18:44, 47.06it/s]
Training Step:
                47%|
                            | 47088/100000 [11:05<18:21, 48.02it/s]
Training Step:
                47%|
                            | 47093/100000 [11:05<18:15, 48.30it/s]
Training Step:
                47%|
                            | 47098/100000 [11:05<18:19, 48.10it/s]
Training Step:
                47%1
                            | 47104/100000 [11:05<18:08, 48.59it/s]
Training Step:
                47%|
                            | 47110/100000 [11:05<18:01, 48.90it/s]
                            | 47115/100000 [11:05<17:57, 49.07it/s]
Training Step:
                47%|
Training Step:
                47%|
                            | 47120/100000 [11:05<18:03, 48.78it/s]
Training Step:
                47%|
                            | 47126/100000 [11:05<17:55, 49.18it/s]
Training Step:
                47%|
                            | 47132/100000 [11:06<18:03, 48.79it/s]
                47%|
                            | 47137/100000 [11:06<17:59, 48.99it/s]
Training Step:
                            | 47142/100000 [11:06<18:17, 48.16it/s]
Training Step:
                47%|
                            | 47147/100000 [11:06<18:06, 48.66it/s]
Training Step:
                47%|
                            | 47152/100000 [11:06<18:12, 48.35it/s]
Training Step:
                47%|
Training Step:
                47%|
                            | 47157/100000 [11:06<18:14, 48.27it/s]
Training Step:
                47%|
                            | 47162/100000 [11:06<18:28, 47.67it/s]
Training Step:
                47%|
                            | 47168/100000 [11:06<18:10, 48.43it/s]
Training Step:
                47%|
                            | 47174/100000 [11:06<18:05, 48.67it/s]
Training Step:
                47%|
                            | 47180/100000 [11:07<18:01, 48.83it/s]
Training Step:
                            | 47186/100000 [11:07<17:59, 48.94it/s]
                47%|
                            | 47192/100000 [11:07<17:46, 49.51it/s]
Training Step:
                47%|
Training Step:
                            | 47198/100000 [11:07<17:37, 49.91it/s]
                47%|
Training Step:
                47%|
                            | 47204/100000 [11:07<17:39, 49.81it/s]
Training Step:
                47%|
                            | 47209/100000 [11:07<17:44, 49.60it/s]
                            | 47214/100000 [11:07<18:10, 48.39it/s]
Training Step:
                47%|
Training Step:
                47%|
                            | 47220/100000 [11:07<17:59, 48.89it/s]
Training Step:
                47%|
                            | 47226/100000 [11:08<17:29, 50.27it/s]
Training Step:
                47%|
                            | 47232/100000 [11:08<17:01, 51.66it/s]
Training Step:
                47%|
                            | 47238/100000 [11:08<16:33, 53.08it/s]
                47%|
                            | 47244/100000 [11:08<16:36, 52.94it/s]
Training Step:
Training Step:
                47%|
                            | 47250/100000 [11:08<17:35, 49.96it/s]
Training Step:
                47%|
                            | 47256/100000 [11:08<17:19, 50.75it/s]
Training Step:
                47%|
                            | 47262/100000 [11:08<17:01, 51.63it/s]
```

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Training Step:
                47%|
                            | 47274/100000 [11:08<15:55, 55.17it/s]
Training Step:
                47%|
                            | 47281/100000 [11:09<15:08, 58.05it/s]
Training Step:
                47%|
                            | 47287/100000 [11:09<15:12,
57.78it/s][INFO] Episode ended! Scenario Index: 1003 Reason:
out of road.
Training Step:
                47%|
                            | 47293/100000 [11:09<18:20, 47.89it/s]
Training Step:
                47%|
                            | 47300/100000 [11:09<16:31, 53.17it/s]
Training Step:
                47%|
                            | 47308/100000 [11:09<14:35, 60.21it/s]
                47%|
                            | 47316/100000 [11:09<13:25, 65.43it/s]
Training Step:
Training Step:
                            | 47323/100000 [11:09<14:00, 62.68it/s]
                47%|
                            | 47330/100000 [11:09<14:29, 60.54it/s]
Training Step:
                47%|
                            | 47337/100000 [11:09<14:55, 58.82it/s]
Training Step:
                47%|
                            | 47344/100000 [11:10<15:08, 57.95it/s]
Training Step:
                47%|
Training Step:
                47%|
                            | 47350/100000 [11:10<15:16, 57.44it/s]
Training Step:
                47%|
                            | 47356/100000 [11:10<15:20, 57.21it/s]
Training Step:
                47%|
                            | 47362/100000 [11:10<15:40, 55.98it/s]
Training Step:
                47%|
                            | 47368/100000 [11:10<15:39, 56.01it/s]
Training Step:
                47%1
                            | 47374/100000 [11:10<15:49, 55.42it/s]
                            | 47380/100000 [11:10<16:03, 54.61it/s]
Training Step:
                47%|
                            | 47386/100000 [11:10<15:56, 55.03it/s]
Training Step:
                47%|
Training Step:
                47%|
                            | 47392/100000 [11:11<16:24, 53.44it/s]
Training Step:
                47%|
                            | 47398/100000 [11:11<16:23, 53.48it/s]
Training Step:
                47%|
                            | 47404/100000 [11:11<16:15, 53.94it/s]
                            | 47410/100000 [11:11<15:58, 54.86it/s]
Training Step:
                47%|
Training Step:
                47%|
                            | 47416/100000 [11:11<15:52, 55.22it/s]
Training Step:
                47%|
                            | 47422/100000 [11:11<16:16, 53.83it/s]
                            | 47428/100000 [11:11<16:28, 53.18it/s]
Training Step:
                47%|
Training Step:
                47%|
                            | 47434/100000 [11:11<16:55, 51.78it/s]
Training Step:
                47%|
                            | 47440/100000 [11:11<16:23, 53.42it/s]
Training Step:
                47%|
                            | 47446/100000 [11:12<16:04, 54.49it/s]
Training Step:
                47%|
                            | 47452/100000 [11:12<15:50, 55.26it/s]
Training Step:
                47%|
                            | 47458/100000 [11:12<15:44, 55.65it/s]
Training Step:
                            | 47464/100000 [11:12<15:49, 55.32it/s]
                47%|
                            | 47470/100000 [11:12<15:45, 55.54it/s]
Training Step:
                47%|
Training Step:
                            | 47476/100000 [11:12<15:32, 56.33it/s]
                47%|
Training Step:
                47%1
                            | 47482/100000 [11:12<15:44, 55.63it/s]
Training Step:
                47%|
                            | 47488/100000 [11:12<15:31, 56.39it/s]
Training Step:
                47%|
                            | 47494/100000 [11:12<15:22,
56.94it/s][INFO] Episode ended! Scenario Index: 1012 Reason:
out_of_road.
                            | 47500/100000 [11:13<18:56, 46.17it/s]
Training Step:
                48%|
                            | 47508/100000 [11:13<16:22, 53.43it/s]
Training Step:
                48%|
Training Step:
                48%|
                            | 47516/100000 [11:13<14:59, 58.32it/s]
Training Step:
                48%|
                            | 47524/100000 [11:13<14:20, 60.97it/s]
Training Step:
                48%|
                            | 47531/100000 [11:13<14:34, 60.03it/s]
```

| 47268/100000 [11:08<16:29, 53.32it/s]

Training Step:

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Training Step:
                48%1
                             | 47538/100000 [11:13<14:43, 59.37it/s]
                48%|
                            | 47545/100000 [11:13<14:39, 59.66it/s]
Training Step:
Training Step:
                48%1
                            | 47552/100000 [11:13<14:51, 58.81it/s]
Training Step:
                48%|
                            | 47559/100000 [11:13<14:35, 59.87it/s]
Training Step:
                            | 47566/100000 [11:14<15:00, 58.22it/s]
                48%1
Training Step:
                48%|
                            | 47573/100000 [11:14<14:48, 58.99it/s]
Training Step:
                48%|
                            | 47579/100000 [11:14<14:56, 58.48it/s]
Training Step:
                48%1
                            | 47585/100000 [11:14<15:35, 56.00it/s]
Training Step:
                48%|
                            | 47591/100000 [11:14<15:55, 54.86it/s]
Training Step:
                48%|
                            | 47597/100000 [11:14<15:59, 54.63it/s]
                48%|
                            | 47603/100000 [11:14<15:36, 55.94it/s]
Training Step:
Training Step:
                48%1
                            | 47610/100000 [11:14<15:11, 57.46it/s]
                48%|
                            | 47617/100000 [11:14<14:48, 58.98it/s]
Training Step:
Training Step:
                            | 47623/100000 [11:15<15:01, 58.13it/s]
                48%1
                            | 47629/100000 [11:15<15:12, 57.41it/s]
Training Step:
                48%1
Training Step:
                48%1
                            | 47636/100000 [11:15<14:53, 58.63it/s]
Training Step:
                48%1
                            | 47642/100000 [11:15<14:57, 58.36it/s]
Training Step:
                48%1
                            | 47648/100000 [11:15<15:02, 58.00it/s]
Training Step:
                48%|
                            | 47654/100000 [11:15<15:11, 57.43it/s]
Training Step:
                48%1
                            | 47660/100000 [11:15<15:22, 56.71it/s]
Training Step:
                48%|
                            47666/100000 [11:15<15:13, 57.32it/s]
                            | 47672/100000 [11:15<15:16, 57.10it/s]
Training Step:
                48%|
Training Step:
                48%1
                            | 47679/100000 [11:16<14:55, 58.46it/s]
Training Step:
                48%|
                            | 47685/100000 [11:16<15:05, 57.75it/s]
Training Step:
                48%|
                            | 47691/100000 [11:16<15:00, 58.06it/s]
                            | 47697/100000 [11:16<15:12, 57.30it/s]
Training Step:
                48%1
                            | 47703/100000 [11:16<15:41, 55.53it/s]
Training Step:
                48%1
                            | 47709/100000 [11:16<15:51, 54.93it/s]
Training Step:
                48%1
                            | 47715/100000 [11:16<16:09, 53.94it/s]
Training Step:
                48%1
Training Step:
                48%1
                            | 47721/100000 [11:16<16:13, 53.68it/s]
Training Step:
                48%1
                            | 47727/100000 [11:16<15:50, 54.97it/s]
Training Step:
                48%1
                            | 47733/100000 [11:17<15:29, 56.23it/s]
Training Step:
                48%1
                             | 47740/100000 [11:17<15:10, 57.37it/s]
Training Step:
                48%|
                            | 47747/100000 [11:17<14:49, 58.78it/s]
Training Step:
                            | 47753/100000 [11:17<15:05, 57.67it/s]
                48%|
                            | 47759/100000 [11:17<14:59, 58.07it/s]
Training Step:
                48%|
Training Step:
                            | 47765/100000 [11:17<14:55, 58.35it/s]
                48%|
Training Step:
                48%1
                            | 47772/100000 [11:17<14:40, 59.32it/s]
Training Step:
                48%|
                            | 47778/100000 [11:17<14:39, 59.35it/s]
Training Step:
                48%|
                            | 47785/100000 [11:17<14:13, 61.18it/s]
Training Step:
                48%|
                            | 47792/100000 [11:18<14:28, 60.09it/s]
Training Step:
                48%1
                            | 47799/100000 [11:18<14:29, 60.01it/s]
Training Step:
                48%|
                            | 47806/100000 [11:18<14:30, 59.95it/s]
Training Step:
                48%1
                            | 47812/100000 [11:18<14:39, 59.32it/s]
Training Step:
                48%1
                            | 47818/100000 [11:18<14:46, 58.85it/s]
Training Step:
                48%1
                            | 47825/100000 [11:18<14:32, 59.80it/s]
Training Step:
                48%1
                            | 47831/100000 [11:18<14:34, 59.69it/s]
Training Step:
                48%1
                             | 47837/100000 [11:18<14:40, 59.27it/s]
```

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Training Step:
                48%1
                             | 47843/100000 [11:18<14:51, 58.47it/s]
                48%|
                            | 47850/100000 [11:19<14:55, 58.26it/s]
Training Step:
Training Step:
                48%1
                            | 47857/100000 [11:19<14:38, 59.39it/s]
Training Step:
                48%|
                            | 47863/100000 [11:19<14:42, 59.07it/s]
Training Step:
                            | 47870/100000 [11:19<14:36, 59.47it/s]
                48%1
Training Step:
                48%|
                            | 47876/100000 [11:19<14:36, 59.45it/s]
Training Step:
                48%|
                            | 47882/100000 [11:19<14:41, 59.10it/s]
Training Step:
                48%1
                            | 47888/100000 [11:19<15:16, 56.85it/s]
Training Step:
                48%|
                            | 47894/100000 [11:19<15:22, 56.47it/s]
Training Step:
                48%|
                            | 47900/100000 [11:19<15:37, 55.58it/s]
                48%|
                            | 47906/100000 [11:20<15:52, 54.67it/s]
Training Step:
Training Step:
                48%1
                            | 47912/100000 [11:20<15:58, 54.34it/s]
                48%|
                            | 47918/100000 [11:20<15:41, 55.30it/s]
Training Step:
                            | 47924/100000 [11:20<15:40, 55.38it/s]
Training Step:
                48%1
                            | 47930/100000 [11:20<15:49, 54.82it/s]
Training Step:
                48%1
Training Step:
                48%1
                            | 47936/100000 [11:20<15:51, 54.74it/s]
Training Step:
                48%1
                            | 47942/100000 [11:20<15:46, 54.98it/s]
Training Step:
                48%1
                            | 47948/100000 [11:20<15:48, 54.85it/s]
Training Step:
                48%|
                            | 47954/100000 [11:20<15:53, 54.61it/s]
Training Step:
                48%1
                            | 47960/100000 [11:20<15:55, 54.44it/s]
Training Step:
                48%|
                            | 47966/100000 [11:21<16:08, 53.74it/s]
                            | 47972/100000 [11:21<16:16, 53.26it/s]
Training Step:
                48%|
Training Step:
                48%1
                            | 47978/100000 [11:21<16:17, 53.21it/s]
Training Step:
                48%|
                            | 47984/100000 [11:21<17:12, 50.37it/s]
Training Step:
                48%|
                            | 47990/100000 [11:21<17:51, 48.55it/s]
                            | 47995/100000 [11:21<18:10, 47.69it/s]
Training Step:
                48%1
Training Step:
                48%1
                            | 48000/100000 [11:21<19:49, 43.73it/s]
                            | 48005/100000 [11:21<19:57, 43.42it/s]
Training Step:
                48%1
                            | 48010/100000 [11:22<20:08, 43.01it/s]
Training Step:
                48%1
Training Step:
                48%1
                            | 48015/100000 [11:22<19:46, 43.80it/s]
Training Step:
                48%1
                            | 48020/100000 [11:22<19:40, 44.05it/s]
Training Step:
                48%1
                            | 48025/100000 [11:22<19:13, 45.04it/s]
Training Step:
                48%1
                            | 48030/100000 [11:22<19:29, 44.45it/s]
Training Step:
                48%|
                            | 48035/100000 [11:22<19:05, 45.35it/s]
Training Step:
                            | 48040/100000 [11:22<18:58, 45.63it/s]
                48%|
Training Step:
                48%|
                            | 48045/100000 [11:22<18:28, 46.85it/s]
                            | 48050/100000 [11:22<18:23, 47.08it/s]
Training Step:
                48%|
Training Step:
                48%1
                            | 48055/100000 [11:23<18:10, 47.64it/s]
Training Step:
                48%|
                            | 48060/100000 [11:23<18:35, 46.57it/s]
Training Step:
                48%|
                            | 48066/100000 [11:23<18:20, 47.17it/s]
Training Step:
                48%|
                            | 48071/100000 [11:23<18:11, 47.56it/s]
Training Step:
                48%1
                            | 48076/100000 [11:23<18:32, 46.67it/s]
Training Step:
                48%|
                            | 48081/100000 [11:23<18:32, 46.69it/s]
Training Step:
                48%1
                            | 48086/100000 [11:23<18:16, 47.35it/s]
Training Step:
                48%|
                            | 48092/100000 [11:23<17:50, 48.47it/s]
Training Step:
                48%|
                            | 48097/100000 [11:23<17:41, 48.90it/s]
Training Step:
                48%|
                            | 48102/100000 [11:24<17:56, 48.19it/s]
Training Step:
                48%|
                             | 48108/100000 [11:24<17:17, 50.02it/s]
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Training Step:
                48%|
                            | 48114/100000 [11:24<16:53, 51.18it/s]
                48%|
                            | 48120/100000 [11:24<16:50, 51.35it/s]
Training Step:
Training Step:
                48%1
                            | 48126/100000 [11:24<17:01, 50.79it/s]
Training Step:
                48%|
                            | 48132/100000 [11:24<16:58, 50.94it/s]
Training Step:
                            | 48138/100000 [11:24<16:37, 51.99it/s]
                48%1
Training Step:
                48%|
                            | 48144/100000 [11:24<16:36, 52.04it/s]
Training Step:
                48%|
                            | 48150/100000 [11:24<16:17, 53.06it/s]
Training Step:
                48%1
                            48156/100000 [11:25<16:09, 53.50it/s]
Training Step:
                48%|
                            | 48162/100000 [11:25<15:58, 54.10it/s]
Training Step:
                48%|
                            | 48168/100000 [11:25<15:34, 55.44it/s]
                48%|
                            | 48174/100000 [11:25<15:31, 55.63it/s]
Training Step:
Training Step:
                48%1
                            | 48180/100000 [11:25<15:16, 56.55it/s]
                            | 48187/100000 [11:25<14:42, 58.73it/s]
Training Step:
                48%|
Training Step:
                            | 48194/100000 [11:25<14:34, 59.24it/s]
                48%1
                            | 48202/100000 [11:25<13:54, 62.11it/s]
Training Step:
                48%|
Training Step:
                48%|
                            | 48209/100000 [11:25<13:27, 64.11it/s]
Training Step:
                48%|
                            | 48216/100000 [11:26<13:11, 65.41it/s]
Training Step:
                48%|
                            | 48224/100000 [11:26<12:53, 66.91it/s]
Training Step:
                48%|
                            | 48231/100000 [11:26<12:59, 66.45it/s]
Training Step:
                48%1
                            | 48239/100000 [11:26<12:30, 69.00it/s]
Training Step:
                48%|
                            | 48247/100000 [11:26<12:02, 71.61it/s]
                            | 48256/100000 [11:26<11:40, 73.92it/s]
Training Step:
                48%|
Training Step:
                48%1
                            48265/100000 [11:26<11:12,
76.95it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
arrive_dest.
                            | 48273/100000 [11:26<13:07, 65.69it/s]
Training Step:
                48%|
                            | 48281/100000 [11:26<12:31, 68.81it/s]
Training Step:
                48%1
                            | 48289/100000 [11:27<12:08, 71.03it/s]
Training Step:
                48%|
Training Step:
                48%1
                            | 48297/100000 [11:27<12:16, 70.22it/s]
Training Step:
                48%|
                            | 48305/100000 [11:27<12:37, 68.24it/s]
Training Step:
                48%|
                            | 48312/100000 [11:27<13:00, 66.24it/s]
Training Step:
                48%|
                            | 48319/100000 [11:27<13:04, 65.84it/s]
Training Step:
                48%|
                            | 48326/100000 [11:27<13:27, 64.00it/s]
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Training Step:
                48%1
                             | 48425/100000 [11:29<14:26, 59.51it/s]
                48%|
                            | 48432/100000 [11:29<14:29, 59.29it/s]
Training Step:
Training Step:
                48%1
                            | 48438/100000 [11:29<14:34, 58.99it/s]
Training Step:
                48%|
                            | 48445/100000 [11:29<14:13, 60.41it/s]
Training Step:
                            | 48452/100000 [11:29<14:20, 59.90it/s]
                48%1
Training Step:
                48%|
                            | 48458/100000 [11:29<14:22, 59.76it/s]
                            | 48464/100000 [11:29<14:28, 59.32it/s]
Training Step:
                48%|
                            | 48471/100000 [11:30<14:07, 60.82it/s]
Training Step:
                48%|
Training Step:
                48%|
                            | 48478/100000 [11:30<14:16, 60.17it/s]
Training Step:
                48%|
                            | 48485/100000 [11:30<13:52, 61.88it/s]
                48%|
                            | 48492/100000 [11:30<13:47, 62.24it/s]
Training Step:
Training Step:
                48%1
                            | 48499/100000 [11:30<13:32, 63.35it/s]
                            | 48506/100000 [11:30<13:33, 63.26it/s]
Training Step:
                49%1
                              48513/100000 [11:30<13:21, 64.21it/s]
Training Step:
                49%1
                            | 48520/100000 [11:30<13:46, 62.28it/s]
Training Step:
                49%1
Training Step:
                49%1
                            | 48527/100000 [11:30<13:43, 62.51it/s]
Training Step:
                49%1
                            | 48534/100000 [11:31<13:27, 63.71it/s]
Training Step:
                49%1
                            | 48541/100000 [11:31<13:23, 64.03it/s]
Training Step:
                49%|
                            | 48548/100000 [11:31<13:22, 64.09it/s]
Training Step:
                49%1
                            | 48555/100000 [11:31<13:06, 65.39it/s]
                            | 48562/100000 [11:31<13:15, 64.67it/s]
Training Step:
                49%|
                            | 48570/100000 [11:31<12:52, 66.57it/s]
Training Step:
                49%|
Training Step:
                49%1
                            | 48578/100000 [11:31<12:41, 67.50it/s]
Training Step:
                49%|
                            | 48585/100000 [11:31<12:46, 67.07it/s]
Training Step:
                49%|
                            | 48593/100000 [11:31<12:33, 68.21it/s]
                49%1
                            | 48600/100000 [11:32<12:44, 67.21it/s]
Training Step:
Training Step:
                49%1
                            | 48607/100000 [11:32<12:59, 65.96it/s]
Training Step:
                49%1
                            | 48614/100000 [11:32<13:20, 64.21it/s]
Training Step:
                49%1
                            48621/100000 [11:32<13:11, 64.91it/s]
Training Step:
                49%1
                            | 48628/100000 [11:32<13:20, 64.18it/s]
Training Step:
                49%1
                              48635/100000 [11:32<13:24, 63.85it/s]
Training Step:
                49%1
                            | 48642/100000 [11:32<13:25, 63.78it/s]
Training Step:
                49%1
                            | 48649/100000 [11:32<13:16, 64.44it/s]
Training Step:
                49%|
                            | 48656/100000 [11:32<13:45, 62.20it/s]
Training Step:
                            | 48663/100000 [11:33<14:01, 61.03it/s]
                49%|
                            | 48670/100000 [11:33<14:10, 60.35it/s]
Training Step:
                49%|
                            | 48677/100000 [11:33<13:52, 61.62it/s]
Training Step:
                49%|
Training Step:
                49%|
                            48684/100000 [11:33<13:57, 61.24it/s]
Training Step:
                            | 48691/100000 [11:33<13:41, 62.43it/s]
                49%|
                            | 48698/100000 [11:33<14:05, 60.67it/s]
Training Step:
                49%1
Training Step:
                49%|
                            | 48705/100000 [11:33<13:49, 61.86it/s]
Training Step:
                49%1
                            | 48712/100000 [11:33<13:37, 62.71it/s]
Training Step:
                49%1
                            | 48719/100000 [11:33<13:20, 64.03it/s]
                            | 48726/100000 [11:34<13:31, 63.22it/s]
Training Step:
                49%1
                            | 48734/100000 [11:34<13:17, 64.31it/s]
Training Step:
                49%1
Training Step:
                49%1
                            | 48741/100000 [11:34<13:28, 63.44it/s]
Training Step:
                49%|
                            | 48748/100000 [11:34<13:33, 62.99it/s]
Training Step:
                49%1
                            | 48755/100000 [11:34<13:15, 64.38it/s]
```

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| 48770/100000 [11:34<12:42, 67.15it/s]
Training Step:
                49%|
Training Step:
                49%|
                            | 48778/100000 [11:34<12:32, 68.08it/s]
Training Step:
                49%|
                            | 48786/100000 [11:34<12:19,
69.28it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
arrive dest.
                            | 48793/100000 [11:35<14:31, 58.75it/s]
Training Step:
                49%|
Training Step:
                49%|
                            | 48801/100000 [11:35<13:25, 63.54it/s]
Training Step:
                49%|
                            | 48809/100000 [11:35<12:41, 67.23it/s]
                            | 48816/100000 [11:35<12:57, 65.84it/s]
Training Step:
                49%|
Training Step:
                            | 48823/100000 [11:35<12:52, 66.25it/s]
                49%|
                            | 48830/100000 [11:35<12:57, 65.83it/s]
Training Step:
                49%|
                            | 48837/100000 [11:35<12:50, 66.44it/s]
Training Step:
                49%1
                            | 48844/100000 [11:35<12:55, 65.95it/s]
Training Step:
                49%|
                49%|
                            | 48852/100000 [11:35<12:48, 66.54it/s]
Training Step:
Training Step:
                49%|
                            | 48859/100000 [11:36<12:52, 66.21it/s]
Training Step:
                49%|
                            | 48866/100000 [11:36<13:05, 65.08it/s]
Training Step:
                49%|
                            | 48873/100000 [11:36<13:12, 64.48it/s]
Training Step:
                49%1
                            | 48880/100000 [11:36<13:35, 62.69it/s]
Training Step:
                49%|
                            48887/100000 [11:36<13:38, 62.47it/s]
                            | 48894/100000 [11:36<14:06, 60.39it/s]
Training Step:
                49%|
Training Step:
                49%1
                            | 48901/100000 [11:36<14:08, 60.22it/s]
Training Step:
                49%|
                            | 48908/100000 [11:36<14:25, 59.04it/s]
Training Step:
                49%|
                            | 48915/100000 [11:36<14:06,
60.35it/s][INFO] Episode ended! Scenario Index: 1006 Reason: crash
vehicle
Training Step:
                            48922/100000 [11:37<15:20, 55.48it/s]
                49%|
Training Step:
                49%|
                            | 48931/100000 [11:37<13:33, 62.79it/s]
Training Step:
                49%|
                            | 48939/100000 [11:37<12:52, 66.10it/s]
Training Step:
                49%|
                            | 48946/100000 [11:37<13:13, 64.35it/s]
Training Step:
                49%|
                            | 48953/100000 [11:37<13:07, 64.82it/s]
Training Step:
                49%|
                            | 48960/100000 [11:37<13:30, 62.96it/s]
Training Step:
                            | 48967/100000 [11:37<13:15, 64.18it/s]
                49%|
                            | 48974/100000 [11:37<13:42, 62.01it/s]
Training Step:
                49%|
                            | 48981/100000 [11:38<13:21, 63.66it/s]
Training Step:
                49%|
Training Step:
                49%1
                            | 48988/100000 [11:38<13:23, 63.48it/s]
Training Step:
                            | 48995/100000 [11:38<13:27, 63.19it/s]
                49%|
                            | 49002/100000 [11:38<13:38, 62.31it/s]
Training Step:
                49%|
Training Step:
                49%|
                            | 49009/100000 [11:38<13:48, 61.55it/s]
Training Step:
                49%|
                            | 49016/100000 [11:38<13:42, 61.99it/s]
Training Step:
                49%|
                            | 49023/100000 [11:38<13:42, 61.98it/s]
                            | 49030/100000 [11:38<13:55, 60.99it/s]
Training Step:
                49%|
Training Step:
                49%|
                            | 49037/100000 [11:38<13:49, 61.44it/s]
Training Step:
                49%|
                            | 49044/100000 [11:39<13:58, 60.79it/s]
Training Step:
                49%|
                            | 49051/100000 [11:39<13:53, 61.13it/s]
Training Step:
                49%|
                            | 49058/100000 [11:39<13:39, 62.19it/s]
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| 48762/100000 [11:34<12:59, 65.77it/s]

Training Step:

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Training Step:
                49%|
                            | 49065/100000 [11:39<13:29, 62.96it/s]
                49%|
Training Step:
                            | 49072/100000 [11:39<13:37, 62.29it/s]
Training Step:
                49%1
                            | 49079/100000 [11:39<13:30, 62.83it/s]
Training Step:
                49%|
                            | 49086/100000 [11:39<13:41, 61.97it/s]
Training Step:
                            | 49093/100000 [11:39<13:34, 62.46it/s]
                49%1
Training Step:
                49%|
                            | 49100/100000 [11:39<14:00, 60.53it/s]
                            | 49107/100000 [11:40<13:59, 60.63it/s]
Training Step:
                49%|
Training Step:
                49%1
                            49114/100000 [11:40<14:02, 60.39it/s]
                            | 49121/100000 [11:40<13:58, 60.69it/s]
Training Step:
                49%|
Training Step:
                49%|
                            | 49128/100000 [11:40<14:06, 60.12it/s]
                49%|
                            | 49135/100000 [11:40<14:18, 59.27it/s]
Training Step:
                49%1
                            | 49141/100000 [11:40<14:26, 58.68it/s]
Training Step:
                            | 49147/100000 [11:40<14:21, 59.04it/s]
Training Step:
                49%|
                            | 49153/100000 [11:40<14:19, 59.14it/s]
Training Step:
                49%1
                            | 49159/100000 [11:40<14:25, 58.72it/s]
Training Step:
                49%1
                49%|
                            | 49165/100000 [11:41<14:22, 58.92it/s]
Training Step:
Training Step:
                49%1
                            | 49172/100000 [11:41<14:13, 59.54it/s]
Training Step:
                49%|
                            | 49179/100000 [11:41<14:02, 60.29it/s]
Training Step:
                49%|
                            | 49186/100000 [11:41<13:46, 61.47it/s]
Training Step:
                49%1
                            | 49194/100000 [11:41<13:14, 63.98it/s]
Training Step:
                49%|
                            49201/100000 [11:41<13:00, 65.12it/s]
                            | 49208/100000 [11:41<13:26, 63.01it/s]
Training Step:
                49%|
Training Step:
                49%1
                            | 49215/100000 [11:41<13:17, 63.64it/s]
Training Step:
                49%|
                            | 49222/100000 [11:41<13:23, 63.19it/s]
Training Step:
                49%|
                            | 49229/100000 [11:42<13:17, 63.67it/s]
                            | 49236/100000 [11:42<13:26, 62.97it/s]
Training Step:
                49%|
Training Step:
                49%|
                            | 49243/100000 [11:42<13:08, 64.39it/s]
                            | 49250/100000 [11:42<13:17, 63.64it/s]
Training Step:
                49%1
                            | 49257/100000 [11:42<13:13, 63.99it/s]
Training Step:
                49%|
Training Step:
                49%1
                            | 49264/100000 [11:42<13:27, 62.85it/s]
                49%|
                            | 49271/100000 [11:42<13:19, 63.43it/s]
Training Step:
                            | 49278/100000 [11:42<13:12, 64.01it/s]
Training Step:
                49%|
Training Step:
                49%|
                            | 49286/100000 [11:42<12:47, 66.09it/s]
Training Step:
                49%|
                            | 49294/100000 [11:43<12:22, 68.26it/s]
Training Step:
                            | 49302/100000 [11:43<12:02, 70.18it/s]
                49%|
                            | 49310/100000 [11:43<11:42, 72.13it/s]
Training Step:
                49%|
Training Step:
                49%|
                            49318/100000 [11:43<11:27, 73.74it/s]
Training Step:
                49%1
                            49326/100000 [11:43<11:14,
75.11it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
arrive_dest.
                            | 49334/100000 [11:43<12:28, 67.70it/s]
Training Step:
                49%|
Training Step:
                49%|
                            | 49343/100000 [11:43<11:42, 72.13it/s]
                            | 49351/100000 [11:43<11:25, 73.87it/s]
Training Step:
                49%1
                            | 49359/100000 [11:43<11:54, 70.89it/s]
Training Step:
                49%|
Training Step:
                49%|
                            | 49367/100000 [11:44<12:20, 68.34it/s]
Training Step:
                49%|
                            | 49374/100000 [11:44<12:44, 66.22it/s]
Training Step:
                49%|
                            | 49381/100000 [11:44<12:40, 66.52it/s]
```

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Training Step:
                49%1
                            49388/100000 [11:44<12:52, 65.50it/s]
                49%|
                            | 49395/100000 [11:44<12:54, 65.30it/s]
Training Step:
Training Step:
                49%1
                            | 49402/100000 [11:44<13:19, 63.26it/s]
Training Step:
                49%|
                            | 49409/100000 [11:44<13:31, 62.37it/s]
Training Step:
                            | 49416/100000 [11:44<13:47, 61.11it/s]
                49%1
Training Step:
                49%|
                            | 49423/100000 [11:44<13:54, 60.58it/s]
                            | 49430/100000 [11:45<14:04, 59.88it/s]
Training Step:
                49%|
Training Step:
                49%1
                            49437/100000 [11:45<13:51, 60.81it/s]
Training Step:
                49%|
                            | 49444/100000 [11:45<14:06, 59.74it/s]
Training Step:
                49%|
                            | 49450/100000 [11:45<14:05, 59.81it/s]
                49%1
                            | 49457/100000 [11:45<13:40, 61.60it/s]
Training Step:
Training Step:
                49%1
                            | 49464/100000 [11:45<13:56, 60.40it/s]
                            | 49471/100000 [11:45<13:47, 61.03it/s]
Training Step:
                49%1
                            | 49478/100000 [11:45<13:39, 61.63it/s]
Training Step:
                49%1
                            | 49485/100000 [11:45<13:18, 63.24it/s]
Training Step:
                49%1
Training Step:
                49%1
                            | 49492/100000 [11:46<13:45, 61.19it/s]
Training Step:
                49%1
                            | 49499/100000 [11:46<13:41, 61.48it/s]
Training Step:
                50%|
                            | 49506/100000 [11:46<13:57, 60.27it/s]
Training Step:
                50%|
                            | 49513/100000 [11:46<13:48, 60.92it/s]
Training Step:
                50% [
                            | 49520/100000 [11:46<14:08, 59.51it/s]
Training Step:
                50%|
                            49527/100000 [11:46<13:55, 60.38it/s]
                            | 49534/100000 [11:46<14:15, 58.99it/s]
Training Step:
                50%|
Training Step:
                50%|
                            | 49541/100000 [11:46<14:05, 59.70it/s]
Training Step:
                50%|
                            | 49547/100000 [11:47<14:13, 59.14it/s]
Training Step:
                50%|
                            | 49553/100000 [11:47<14:14, 59.05it/s]
                            | 49560/100000 [11:47<14:10, 59.30it/s]
Training Step:
                50%|
Training Step:
                50%|
                            | 49566/100000 [11:47<14:24, 58.36it/s]
                            | 49573/100000 [11:47<14:05, 59.61it/s]
Training Step:
                50%|
                            | 49579/100000 [11:47<14:16, 58.90it/s]
Training Step:
                50%|
Training Step:
                50%|
                            | 49586/100000 [11:47<14:04, 59.68it/s]
Training Step:
                50%|
                            | 49593/100000 [11:47<13:33, 61.95it/s]
                            | 49600/100000 [11:47<13:29, 62.29it/s]
Training Step:
                50%|
Training Step:
                50%|
                            | 49607/100000 [11:48<13:41, 61.35it/s]
Training Step:
                50%|
                            | 49614/100000 [11:48<13:34, 61.86it/s]
Training Step:
                            | 49621/100000 [11:48<13:16, 63.24it/s]
                50%|
                            | 49628/100000 [11:48<13:30, 62.12it/s]
Training Step:
                50%|
                            | 49635/100000 [11:48<13:20, 62.95it/s]
Training Step:
                50%|
Training Step:
                50%|
                            49642/100000 [11:48<13:27, 62.38it/s]
Training Step:
                            | 49649/100000 [11:48<13:24, 62.58it/s]
                50%|
Training Step:
                50%|
                            | 49656/100000 [11:48<13:39, 61.40it/s]
Training Step:
                50%|
                            | 49663/100000 [11:48<13:31, 62.05it/s]
Training Step:
                50%|
                            | 49670/100000 [11:49<13:27, 62.36it/s]
Training Step:
                50%|
                            | 49677/100000 [11:49<13:28, 62.23it/s]
                            | 49684/100000 [11:49<13:27, 62.31it/s]
Training Step:
                50%|
                            | 49691/100000 [11:49<13:05, 64.08it/s]
Training Step:
                50%|
Training Step:
                50%|
                            | 49698/100000 [11:49<12:47, 65.57it/s]
Training Step:
                50%|
                            | 49706/100000 [11:49<12:20, 67.95it/s]
Training Step:
                50%|
                            | 49714/100000 [11:49<11:58, 69.99it/s]
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Training Step:
                            | 49722/100000 [11:49<11:40, 71.82it/s]
                50%|
Training Step:
                50%|
                            | 49730/100000 [11:49<11:25, 73.33it/s]
Training Step:
                50%|
                            | 49738/100000 [11:49<11:17, 74.18it/s]
Training Step:
                50%|
                            | 49747/100000 [11:50<10:45,
77.85it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
arrive dest.
Training Step:
                50%|
                            49755/100000 [11:50<11:45, 71.25it/s]
Training Step:
                50%|
                            | 49764/100000 [11:50<11:12, 74.74it/s]
                            | 49773/100000 [11:50<10:44, 77.88it/s]
Training Step:
                50%|
                            | 49781/100000 [11:50<10:39, 78.47it/s]
Training Step:
                50%|
Training Step:
                            | 49789/100000 [11:50<10:46, 77.62it/s]
                50%|
                            | 49797/100000 [11:50<10:45, 77.81it/s]
Training Step:
                50%|
                            49805/100000 [11:50<10:43, 77.99it/s]
Training Step:
                50%|
                            | 49814/100000 [11:50<10:42, 78.08it/s]
Training Step:
                50%|
Training Step:
                50%|
                            | 49822/100000 [11:51<10:47, 77.52it/s]
Training Step:
                50%|
                            | 49830/100000 [11:51<10:45, 77.78it/s]
Training Step:
                50%|
                            | 49838/100000 [11:51<10:43, 77.97it/s]
Training Step:
                50%|
                            | 49846/100000 [11:51<10:45, 77.66it/s]
                            | 49854/100000 [11:51<10:47, 77.44it/s]
Training Step:
                50%1
Training Step:
                50%|
                            49862/100000 [11:51<10:58, 76.19it/s]
                            | 49870/100000 [11:51<11:39, 71.70it/s]
Training Step:
                50%|
Training Step:
                50%|
                            | 49878/100000 [11:51<11:41, 71.43it/s]
Training Step:
                            | 49886/100000 [11:51<11:39, 71.62it/s]
                50%|
Training Step:
                50%|
                            | 49894/100000 [11:52<11:43, 71.18it/s]
                            | 49902/100000 [11:52<11:59, 69.58it/s]
Training Step:
                50%|
                50%|
                            | 49909/100000 [11:52<12:08,
Training Step:
68.76it/s][INFO] Episode ended! Scenario Index: 1014 Reason: crash
vehicle
Training Step:
                50%|
                            49916/100000 [11:52<14:49, 56.33it/s]
Training Step:
                50%|
                            | 49924/100000 [11:52<13:50, 60.33it/s]
Training Step:
                50%|
                            | 49932/100000 [11:52<13:00, 64.17it/s]
Training Step:
                50%|
                            | 49939/100000 [11:52<13:22, 62.39it/s]
Training Step:
                            | 49946/100000 [11:52<14:01, 59.51it/s]
                50%|
                            | 49953/100000 [11:53<14:28, 57.62it/s]
Training Step:
                50%|
                            | 49959/100000 [11:53<14:32, 57.35it/s]
Training Step:
                50%|
Training Step:
                50%|
                            | 49965/100000 [11:53<14:35, 57.14it/s]
Training Step:
                            | 49971/100000 [11:53<14:35, 57.14it/s]
                50%|
                            | 49977/100000 [11:53<16:05, 51.79it/s]
Training Step:
                50%|
Training Step:
                50%|
                            | 49983/100000 [11:53<15:56, 52.29it/s]
Training Step:
                50%|
                            | 49989/100000 [11:53<15:37, 53.35it/s]
Training Step:
                50%|
                            | 49995/100000 [11:53<15:26, 53.98it/s]
                            | 50001/100000 [11:53<16:10, 51.53it/s]
Training Step:
                50%|
Training Step:
                50%|
                            | 50007/100000 [11:54<15:41, 53.08it/s]
Training Step:
                50%|
                            | 50013/100000 [11:54<15:31, 53.65it/s]
Training Step:
                50%|
                            | 50019/100000 [11:54<15:24, 54.06it/s]
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| 50025/100000 [11:54<15:02, 55.40it/s]

Training Step:

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Training Step:
                50%|
                             | 50032/100000 [11:54<14:49, 56.19it/s]
                            | 50038/100000 [11:54<14:56, 55.71it/s]
                50%|
Training Step:
Training Step:
                50%|
                            | 50045/100000 [11:54<14:22, 57.90it/s]
Training Step:
                50%|
                            | 50052/100000 [11:54<14:13, 58.50it/s]
Training Step:
                            | 50058/100000 [11:54<14:15, 58.35it/s]
                50%1
Training Step:
                50%|
                              50064/100000 [11:55<14:23, 57.84it/s]
                            | 50071/100000 [11:55<14:09, 58.76it/s]
Training Step:
                50%|
Training Step:
                50%1
                            | 50077/100000 [11:55<14:30, 57.34it/s]
Training Step:
                            | 50083/100000 [11:55<14:36, 56.97it/s]
                50%|
Training Step:
                50%|
                            | 50089/100000 [11:55<14:29, 57.41it/s]
                50%|
                            | 50095/100000 [11:55<14:25, 57.66it/s]
Training Step:
Training Step:
                            | 50101/100000 [11:55<14:20, 58.00it/s]
                50%|
                            | 50107/100000 [11:55<14:16, 58.24it/s]
Training Step:
                50%|
Training Step:
                            | 50113/100000 [11:55<14:09, 58.75it/s]
                50%|
                            | 50119/100000 [11:56<14:11, 58.60it/s]
Training Step:
                50%|
Training Step:
                50%|
                            | 50126/100000 [11:56<13:58, 59.50it/s]
Training Step:
                50%|
                            | 50132/100000 [11:56<14:00, 59.31it/s]
Training Step:
                50%|
                            | 50139/100000 [11:56<13:44, 60.48it/s]
Training Step:
                50%|
                            | 50146/100000 [11:56<13:51, 59.94it/s]
Training Step:
                50% [
                            | 50152/100000 [11:56<13:56, 59.62it/s]
                            | 50158/100000 [11:56<13:56, 59.56it/s]
Training Step:
                50%|
                            | 50164/100000 [11:56<13:57, 59.52it/s]
Training Step:
                50%|
Training Step:
                50%|
                            | 50170/100000 [11:56<13:55, 59.65it/s]
Training Step:
                50%|
                            | 50176/100000 [11:56<13:58, 59.41it/s]
Training Step:
                50%|
                            | 50183/100000 [11:57<13:44, 60.39it/s]
                            | 50190/100000 [11:57<13:51, 59.88it/s]
Training Step:
                50%|
Training Step:
                50%|
                            | 50197/100000 [11:57<13:38, 60.84it/s]
                            | 50204/100000 [11:57<13:57, 59.48it/s]
Training Step:
                50%|
                            | 50210/100000 [11:57<13:55, 59.62it/s]
Training Step:
                50%|
Training Step:
                50%|
                            | 50217/100000 [11:57<13:47, 60.17it/s]
Training Step:
                50%|
                            | 50224/100000 [11:57<13:59, 59.28it/s]
Training Step:
                50%|
                            | 50231/100000 [11:57<13:44, 60.39it/s]
Training Step:
                50%|
                            | 50238/100000 [11:58<13:59, 59.29it/s]
Training Step:
                50%|
                            | 50244/100000 [11:58<13:58, 59.32it/s]
Training Step:
                            | 50250/100000 [11:58<14:02, 59.02it/s]
                50%|
                            | 50256/100000 [11:58<14:24, 57.51it/s]
Training Step:
                50%|
                            | 50262/100000 [11:58<14:19, 57.88it/s]
Training Step:
                50%|
Training Step:
                50%|
                            | 50268/100000 [11:58<14:17, 57.99it/s]
Training Step:
                            | 50274/100000 [11:58<14:26, 57.41it/s]
                50%|
                            | 50281/100000 [11:58<14:05, 58.83it/s]
Training Step:
                50%|
Training Step:
                50%|
                            | 50287/100000 [11:58<14:12, 58.33it/s]
                            | 50293/100000 [11:58<14:17, 57.98it/s]
Training Step:
                50%|
Training Step:
                50%|
                            | 50299/100000 [11:59<14:33, 56.93it/s]
Training Step:
                            | 50305/100000 [11:59<14:58, 55.28it/s]
                50%|
Training Step:
                50%|
                            | 50311/100000 [11:59<15:02, 55.06it/s]
Training Step:
                50%|
                            | 50317/100000 [11:59<15:12, 54.46it/s]
Training Step:
                50%|
                            | 50323/100000 [11:59<15:46, 52.49it/s]
Training Step:
                50%|
                             | 50329/100000 [11:59<15:55, 51.97it/s]
```

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Training Step:
                50%|
                             | 50335/100000 [11:59<15:54, 52.03it/s]
                50%|
                            | 50341/100000 [11:59<15:43, 52.62it/s]
Training Step:
Training Step:
                50%|
                            | 50347/100000 [12:00<15:46, 52.49it/s]
Training Step:
                50%|
                            | 50353/100000 [12:00<15:35, 53.09it/s]
Training Step:
                            | 50359/100000 [12:00<15:22, 53.80it/s]
                50%1
Training Step:
                50%|
                              50365/100000 [12:00<15:26, 53.59it/s]
                            | 50371/100000 [12:00<15:38, 52.88it/s]
Training Step:
                50%|
Training Step:
                50%1
                            | 50377/100000 [12:00<16:39, 49.66it/s]
Training Step:
                            | 50383/100000 [12:00<17:11, 48.08it/s]
                50%|
Training Step:
                50%|
                            | 50388/100000 [12:00<17:48, 46.44it/s]
                50%|
                            | 50393/100000 [12:00<17:59, 45.93it/s]
Training Step:
Training Step:
                             | 50398/100000 [12:01<18:16, 45.22it/s]
                50%|
                              50403/100000 [12:01<18:18, 45.17it/s]
Training Step:
                50%|
Training Step:
                            | 50408/100000 [12:01<18:44, 44.09it/s]
                50%|
                            | 50413/100000 [12:01<18:29, 44.71it/s]
Training Step:
                50%|
Training Step:
                50%|
                            | 50418/100000 [12:01<18:41, 44.23it/s]
Training Step:
                50%|
                            | 50423/100000 [12:01<18:40, 44.23it/s]
Training Step:
                50%|
                            | 50428/100000 [12:01<19:17, 42.82it/s]
Training Step:
                50%|
                            | 50433/100000 [12:01<18:50, 43.85it/s]
Training Step:
                50% [
                            | 50438/100000 [12:01<18:56, 43.62it/s]
Training Step:
                50%|
                            | 50443/100000 [12:02<18:42, 44.16it/s]
                            | 50448/100000 [12:02<19:05, 43.27it/s]
Training Step:
                50%|
Training Step:
                50%|
                            | 50453/100000 [12:02<18:48, 43.90it/s]
Training Step:
                50%|
                            | 50458/100000 [12:02<19:15, 42.87it/s]
Training Step:
                50%|
                            | 50463/100000 [12:02<18:52, 43.73it/s]
                            | 50468/100000 [12:02<18:45, 44.00it/s]
Training Step:
                50%|
Training Step:
                50%|
                            | 50474/100000 [12:02<18:08, 45.51it/s]
                            | 50479/100000 [12:02<17:51, 46.22it/s]
Training Step:
                50%|
                            | 50484/100000 [12:03<17:47, 46.37it/s]
Training Step:
                50%|
Training Step:
                50%|
                            | 50490/100000 [12:03<17:24, 47.39it/s]
Training Step:
                50%|
                            | 50495/100000 [12:03<17:14, 47.84it/s]
Training Step:
                50%|
                            | 50500/100000 [12:03<17:07, 48.18it/s]
Training Step:
                51%|
                            | 50506/100000 [12:03<16:46, 49.16it/s]
Training Step:
                51%|
                            | 50511/100000 [12:03<16:58, 48.58it/s]
Training Step:
                            | 50516/100000 [12:03<17:18, 47.64it/s]
                51%|
                            | 50522/100000 [12:03<17:05, 48.27it/s]
Training Step:
                51%|
                            | 50528/100000 [12:03<16:53, 48.84it/s]
Training Step:
                51%|
Training Step:
                51%|
                            | 50534/100000 [12:04<16:34, 49.76it/s]
Training Step:
                            | 50540/100000 [12:04<16:23, 50.27it/s]
                51%|
Training Step:
                51%|
                            | 50546/100000 [12:04<15:54, 51.78it/s]
Training Step:
                51%|
                            | 50552/100000 [12:04<15:30, 53.16it/s]
Training Step:
                51%|
                            | 50558/100000 [12:04<15:30, 53.14it/s]
Training Step:
                51%|
                            | 50564/100000 [12:04<15:13, 54.14it/s]
Training Step:
                            | 50570/100000 [12:04<15:00, 54.86it/s]
                51%|
                            | 50577/100000 [12:04<14:28, 56.89it/s]
Training Step:
                51%|
Training Step:
                51%|
                            | 50584/100000 [12:04<14:14, 57.80it/s]
Training Step:
                51%|
                            | 50591/100000 [12:05<13:52, 59.37it/s]
Training Step:
                51%|
                             | 50598/100000 [12:05<13:41, 60.15it/s]
```

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Training Step:
                51%|
                            | 50606/100000 [12:05<13:03, 63.02it/s]
                            | 50613/100000 [12:05<12:40, 64.94it/s]
Training Step:
                51%|
Training Step:
                51%|
                            | 50620/100000 [12:05<12:36, 65.26it/s]
Training Step:
                51%|
                            | 50628/100000 [12:05<12:13, 67.34it/s]
Training Step:
                            | 50636/100000 [12:05<12:01, 68.40it/s]
                51%|
Training Step:
                51%|
                            | 50644/100000 [12:05<11:53, 69.13it/s]
Training Step:
                51%|
                            | 50652/100000 [12:05<11:31, 71.37it/s]
Training Step:
                51% l
                            | 50661/100000 [12:05<10:52, 75.56it/s]
Training Step:
                            | 50669/100000 [12:06<10:43, 76.61it/s]
                51%|
Training Step:
                51%|
                            | 50678/100000 [12:06<10:35,
77.57it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
arrive_dest.
                            | 50686/100000 [12:06<12:20, 66.60it/s]
Training Step:
                51%|
                            | 50694/100000 [12:06<11:47, 69.69it/s]
Training Step:
                51%|
                51%|
                            | 50702/100000 [12:06<11:22, 72.25it/s]
Training Step:
Training Step:
                51%|
                            | 50710/100000 [12:06<11:26, 71.81it/s]
Training Step:
                51%|
                            | 50718/100000 [12:06<11:23, 72.08it/s]
Training Step:
                51%|
                            | 50726/100000 [12:06<11:19, 72.47it/s]
Training Step:
                51% l
                            | 50734/100000 [12:07<11:19, 72.55it/s]
                            | 50742/100000 [12:07<11:18, 72.60it/s]
Training Step:
                51%|
                            | 50750/100000 [12:07<11:29, 71.47it/s]
Training Step:
                51%|
Training Step:
                51%|
                            | 50758/100000 [12:07<11:34, 70.89it/s]
Training Step:
                            | 50766/100000 [12:07<11:44, 69.93it/s]
                51%|
Training Step:
                51%|
                            | 50774/100000 [12:07<12:03, 68.04it/s]
                            | 50782/100000 [12:07<12:09, 67.45it/s]
Training Step:
                51%|
                            | 50790/100000 [12:07<12:06, 67.73it/s]
Training Step:
                51%|
                            | 50797/100000 [12:07<12:00, 68.33it/s]
Training Step:
                51%|
                            | 50804/100000 [12:08<12:01, 68.23it/s]
Training Step:
                51%|
Training Step:
                51%|
                            | 50811/100000 [12:08<11:57, 68.53it/s]
                            | 50818/100000 [12:08<12:05, 67.79it/s]
Training Step:
                51%|
Training Step:
                51%|
                            | 50825/100000 [12:08<12:22, 66.23it/s]
Training Step:
                51%|
                            | 50832/100000 [12:08<12:16, 66.80it/s]
Training Step:
                51%|
                            | 50840/100000 [12:08<12:05, 67.76it/s]
Training Step:
                            | 50847/100000 [12:08<12:02, 68.00it/s]
                51%|
                            | 50855/100000 [12:08<11:45, 69.64it/s]
Training Step:
                51%|
                            | 50862/100000 [12:08<11:46, 69.55it/s]
Training Step:
                51%|
Training Step:
                51%|
                            | 50870/100000 [12:09<11:54, 68.79it/s]
Training Step:
                            | 50877/100000 [12:09<12:20, 66.33it/s]
                51%|
                            | 50884/100000 [12:09<12:47, 63.97it/s]
Training Step:
                51% l
Training Step:
                51%|
                            | 50891/100000 [12:09<13:09, 62.21it/s]
Training Step:
                51%|
                            | 50898/100000 [12:09<13:12, 61.97it/s]
Training Step:
                51%|
                            | 50905/100000 [12:09<13:33, 60.38it/s]
                            | 50912/100000 [12:09<13:45, 59.46it/s]
Training Step:
                51%|
                            | 50918/100000 [12:09<13:45, 59.44it/s]
Training Step:
                51%|
Training Step:
                51%|
                            | 50924/100000 [12:09<14:03, 58.16it/s]
Training Step:
                51%|
                            | 50930/100000 [12:10<14:19, 57.09it/s]
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| 50936/100000 [12:10<14:12, 57.58it/s]

Training Step:

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Training Step:
                51%|
                            | 50942/100000 [12:10<14:09, 57.77it/s]
                            | 50948/100000 [12:10<14:26, 56.63it/s]
Training Step:
                51%|
Training Step:
                51%|
                            | 50954/100000 [12:10<14:18, 57.10it/s]
Training Step:
                51%|
                            | 50960/100000 [12:10<14:34, 56.06it/s]
Training Step:
                            | 50966/100000 [12:10<14:47, 55.27it/s]
                51% l
Training Step:
                51%|
                            | 50972/100000 [12:10<15:12, 53.73it/s]
Training Step:
                51%|
                            | 50978/100000 [12:10<15:05, 54.12it/s]
Training Step:
                51% l
                            | 50984/100000 [12:11<14:51, 54.99it/s]
Training Step:
                            | 50990/100000 [12:11<14:58, 54.56it/s]
                51%|
                            | 50996/100000 [12:11<15:00, 54.40it/s]
Training Step:
                51%|
                            | 51002/100000 [12:11<14:52, 54.90it/s]
Training Step:
                51%|
Training Step:
                            | 51008/100000 [12:11<15:28, 52.77it/s]
                51%|
                            | 51014/100000 [12:11<15:19, 53.29it/s]
Training Step:
                51%|
Training Step:
                            | 51020/100000 [12:11<15:10, 53.80it/s]
                51%|
                            | 51026/100000 [12:11<14:54, 54.76it/s]
Training Step:
                51%|
Training Step:
                51%|
                            | 51032/100000 [12:11<14:35, 55.92it/s]
Training Step:
                51%|
                            | 51039/100000 [12:12<14:04, 57.95it/s]
Training Step:
                51%|
                            | 51046/100000 [12:12<13:58, 58.39it/s]
Training Step:
                51%|
                            | 51052/100000 [12:12<14:03, 58.03it/s]
Training Step:
                51%|
                            | 51058/100000 [12:12<14:04, 57.93it/s]
Training Step:
                51%|
                            | 51064/100000 [12:12<14:12, 57.38it/s]
                            | 51071/100000 [12:12<13:56, 58.47it/s]
Training Step:
                51%|
Training Step:
                51%|
                            | 51078/100000 [12:12<13:39, 59.70it/s]
Training Step:
                            | 51085/100000 [12:12<13:27, 60.57it/s]
                51%|
Training Step:
                51%|
                            | 51092/100000 [12:12<13:10, 61.88it/s]
Training Step:
                            | 51100/100000 [12:13<12:49, 63.57it/s]
                51%|
Training Step:
                51%|
                            | 51107/100000 [12:13<12:30, 65.16it/s]
                            | 51114/100000 [12:13<12:25, 65.60it/s]
Training Step:
                51%|
                            | 51122/100000 [12:13<12:15, 66.48it/s]
Training Step:
                51%|
Training Step:
                51%|
                            | 51130/100000 [12:13<12:00, 67.80it/s]
Training Step:
                51%|
                            | 51138/100000 [12:13<11:54, 68.34it/s]
Training Step:
                51%|
                            | 51145/100000 [12:13<11:52, 68.61it/s]
Training Step:
                51%|
                            | 51152/100000 [12:13<12:01, 67.66it/s]
Training Step:
                51%|
                            | 51160/100000 [12:13<11:55, 68.26it/s]
Training Step:
                            | 51168/100000 [12:13<11:43, 69.40it/s]
                51%|
                            | 51176/100000 [12:14<11:16, 72.17it/s]
Training Step:
                51%|
Training Step:
                            | 51184/100000 [12:14<11:01, 73.77it/s]
                51%|
Training Step:
                51%|
                            | 51192/100000 [12:14<11:08, 73.04it/s]
Training Step:
                            | 51200/100000 [12:14<11:07,
                51%|
73.15it/s][INFO] Episode ended! Scenario Index: 1013 Reason:
arrive_dest.
Training Step:
                51%|
                            | 51208/100000 [12:14<12:51, 63.25it/s]
Training Step:
                51%|
                            | 51217/100000 [12:14<11:50, 68.66it/s]
                            | 51225/100000 [12:14<11:22, 71.45it/s]
Training Step:
                51%|
Training Step:
                51%|
                            | 51234/100000 [12:14<10:54, 74.47it/s]
Training Step:
                51%|
                            | 51242/100000 [12:15<11:00, 73.85it/s]
Training Step:
                51%|
                            | 51250/100000 [12:15<11:01, 73.68it/s]
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Training Step:
                            | 51258/100000 [12:15<11:07, 73.00it/s]
                51%|
                            | 51266/100000 [12:15<11:13, 72.33it/s]
Training Step:
                51%|
Training Step:
                51%|
                            | 51274/100000 [12:15<11:07, 73.04it/s]
Training Step:
                51%|
                            | 51282/100000 [12:15<11:11, 72.55it/s]
Training Step:
                            | 51290/100000 [12:15<11:10, 72.61it/s]
                51%|
Training Step:
                            | 51298/100000 [12:15<11:23, 71.29it/s]
                51%|
Training Step:
                51%|
                            | 51306/100000 [12:15<11:26, 70.95it/s]
Training Step:
                51% l
                            | 51314/100000 [12:16<11:43, 69.25it/s]
Training Step:
                            | 51321/100000 [12:16<11:42, 69.27it/s]
                51%|
Training Step:
                51%|
                            | 51328/100000 [12:16<12:15, 66.16it/s]
                            | 51335/100000 [12:16<12:21, 65.59it/s]
Training Step:
                51%|
Training Step:
                            | 51342/100000 [12:16<13:26, 60.30it/s]
                51%|
                            | 51349/100000 [12:16<13:51, 58.54it/s]
Training Step:
                51%|
                            | 51355/100000 [12:16<14:13, 57.00it/s]
Training Step:
                51%|
Training Step:
                51%|
                            | 51361/100000 [12:16<14:21, 56.45it/s]
                51%|
                            | 51367/100000 [12:16<14:25,
Training Step:
56.20it/s][INFO] Episode ended! Scenario Index: 1019 Reason: crash
vehicle
Training Step:
                51%|
                            | 51373/100000 [12:17<16:52, 48.04it/s]
Training Step:
                51%|
                            | 51380/100000 [12:17<15:22, 52.72it/s]
                            | 51388/100000 [12:17<14:05, 57.50it/s]
Training Step:
                51%|
Training Step:
                51%|
                            | 51395/100000 [12:17<13:51, 58.48it/s]
Training Step:
                            | 51401/100000 [12:17<13:58, 57.96it/s]
                51%|
Training Step:
                51%|
                            | 51408/100000 [12:17<13:41, 59.14it/s]
                            | 51415/100000 [12:17<13:23, 60.45it/s]
Training Step:
                51%|
                            | 51422/100000 [12:17<13:36, 59.48it/s]
Training Step:
                51%|
                            | 51429/100000 [12:18<13:22, 60.52it/s]
Training Step:
                51%|
Training Step:
                            | 51436/100000 [12:18<13:39, 59.23it/s]
                51%|
Training Step:
                51%|
                            | 51442/100000 [12:18<13:43, 58.96it/s]
Training Step:
                            | 51448/100000 [12:18<13:48, 58.60it/s]
                51%|
                            | 51455/100000 [12:18<13:29, 59.95it/s]
Training Step:
                51%|
Training Step:
                51%|
                            | 51462/100000 [12:18<13:58, 57.90it/s]
Training Step:
                51%|
                            | 51468/100000 [12:18<14:07, 57.24it/s]
Training Step:
                            | 51475/100000 [12:18<13:34, 59.59it/s]
                51%|
                            | 51481/100000 [12:18<13:52, 58.25it/s]
Training Step:
                51%|
                            | 51488/100000 [12:19<13:41, 59.05it/s]
Training Step:
                51%|
Training Step:
                51%|
                            | 51495/100000 [12:19<13:14, 61.07it/s]
Training Step:
                            | 51502/100000 [12:19<13:51, 58.34it/s]
                52%|
Training Step:
                52%|
                            | 51508/100000 [12:19<14:11, 56.93it/s]
Training Step:
                52%|
                            | 51514/100000 [12:19<14:26, 55.93it/s]
Training Step:
                52%1
                            | 51520/100000 [12:19<14:48, 54.58it/s]
Training Step:
                52%|
                            | 51526/100000 [12:19<14:55, 54.13it/s]
                            | 51532/100000 [12:19<15:07, 53.41it/s]
Training Step:
                52%
Training Step:
                52%|
                            | 51538/100000 [12:19<15:08, 53.32it/s]
Training Step:
                52%|
                            | 51544/100000 [12:20<15:17, 52.83it/s]
Training Step:
                52%|
                            | 51550/100000 [12:20<15:22, 52.50it/s]
Training Step:
                52%|
                            | 51556/100000 [12:20<15:31, 51.99it/s]
```

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Training Step:
                            | 51562/100000 [12:20<15:30, 52.05it/s]
                52%
                            | 51568/100000 [12:20<15:41, 51.42it/s]
Training Step:
                52%|
Training Step:
                52%1
                            | 51574/100000 [12:20<16:13, 49.72it/s]
Training Step:
                52%|
                            | 51580/100000 [12:20<16:19, 49.43it/s]
Training Step:
                            | 51586/100000 [12:20<16:20, 49.36it/s]
                52%1
Training Step:
                52%|
                            | 51592/100000 [12:21<16:24, 49.18it/s]
Training Step:
                52%|
                            | 51597/100000 [12:21<16:30, 48.89it/s]
Training Step:
                52%|
                            | 51602/100000 [12:21<16:42, 48.28it/s]
                            | 51607/100000 [12:21<16:57, 47.57it/s]
Training Step:
                52%|
Training Step:
                52%|
                            | 51612/100000 [12:21<17:49, 45.25it/s]
                            | 51617/100000 [12:21<18:20, 43.97it/s]
Training Step:
                52%|
Training Step:
                            | 51622/100000 [12:21<19:12, 41.99it/s]
                52%
                            | 51627/100000 [12:21<19:08, 42.13it/s]
Training Step:
                52%|
                            | 51632/100000 [12:21<19:37, 41.07it/s]
Training Step:
                52%
Training Step:
                52%|
                            | 51637/100000 [12:22<19:49, 40.65it/s]
Training Step:
                52%1
                            | 51642/100000 [12:22<20:12, 39.88it/s]
Training Step:
                52%|
                            | 51647/100000 [12:22<19:59, 40.30it/s]
Training Step:
                52%1
                            | 51652/100000 [12:22<20:08, 40.02it/s]
Training Step:
                52%|
                            | 51657/100000 [12:22<20:02, 40.20it/s]
Training Step:
                52%1
                            | 51662/100000 [12:22<20:12, 39.85it/s]
                            | 51666/100000 [12:22<20:33, 39.19it/s]
Training Step:
                52%|
                            | 51671/100000 [12:22<19:55, 40.44it/s]
Training Step:
                52%|
Training Step:
                52%|
                            | 51676/100000 [12:23<19:26, 41.44it/s]
Training Step:
                52%|
                            | 51681/100000 [12:23<18:36, 43.27it/s]
Training Step:
                52%|
                            | 51686/100000 [12:23<18:29, 43.56it/s]
                            | 51691/100000 [12:23<18:58, 42.42it/s]
Training Step:
                52%|
                            | 51696/100000 [12:23<18:47, 42.84it/s]
Training Step:
                52%1
                            | 51701/100000 [12:23<18:07, 44.42it/s]
Training Step:
                52%|
                            | 51706/100000 [12:23<18:14, 44.13it/s]
Training Step:
                52%
Training Step:
                52%|
                            | 51711/100000 [12:23<17:57, 44.80it/s]
Training Step:
                52%1
                            | 51716/100000 [12:23<17:54, 44.93it/s]
Training Step:
                52%|
                            | 51721/100000 [12:24<17:26, 46.14it/s]
Training Step:
                52%1
                            | 51726/100000 [12:24<17:19, 46.44it/s]
Training Step:
                52%|
                            | 51731/100000 [12:24<17:05, 47.05it/s]
Training Step:
                            | 51736/100000 [12:24<17:10, 46.82it/s]
                52%|
Training Step:
                52%|
                            | 51741/100000 [12:24<17:00, 47.31it/s]
Training Step:
                52%|
                            | 51746/100000 [12:24<16:55, 47.54it/s]
Training Step:
                52%|
                            | 51751/100000 [12:24<16:48, 47.83it/s]
Training Step:
                            | 51756/100000 [12:24<16:49, 47.77it/s]
                52%|
Training Step:
                52%|
                            | 51762/100000 [12:24<16:34, 48.50it/s]
Training Step:
                52%|
                            | 51768/100000 [12:25<16:11, 49.65it/s]
Training Step:
                52%1
                            | 51774/100000 [12:25<15:46, 50.97it/s]
Training Step:
                52%|
                            | 51780/100000 [12:25<15:41, 51.20it/s]
                            | 51786/100000 [12:25<15:23, 52.19it/s]
Training Step:
                52%
Training Step:
                52%|
                            | 51792/100000 [12:25<14:49, 54.20it/s]
Training Step:
                52%
                            | 51798/100000 [12:25<14:29, 55.46it/s]
Training Step:
                52%|
                            | 51804/100000 [12:25<14:13, 56.44it/s]
Training Step:
                52%1
                            | 51811/100000 [12:25<13:46, 58.33it/s]
```

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Training Step:
                            | 51818/100000 [12:25<13:32, 59.29it/s]
                52%|
Training Step:
                52%|
                            | 51825/100000 [12:26<13:14, 60.60it/s]
Training Step:
                52%1
                            | 51832/100000 [12:26<13:10, 60.97it/s]
Training Step:
                52%|
                            | 51840/100000 [12:26<12:38, 63.51it/s]
Training Step:
                            | 51848/100000 [12:26<12:06, 66.24it/s]
                52%1
Training Step:
                52%|
                            | 51856/100000 [12:26<11:44, 68.36it/s]
Training Step:
                52%|
                            | 51864/100000 [12:26<11:29, 69.85it/s]
Training Step:
                52%|
                            | 51872/100000 [12:26<11:07, 72.09it/s]
                            | 51881/100000 [12:26<10:35, 75.67it/s]
Training Step:
                52%|
Training Step:
                52%|
                            | 51890/100000 [12:26<10:29, 76.48it/s]
                            | 51899/100000 [12:27<10:07, 79.16it/s]
Training Step:
                52%|
Training Step:
                            | 51908/100000 [12:27<09:59, 80.19it/s]
                52%
Training Step:
                52%|
                            | 51917/100000 [12:27<09:42, 82.50it/s]
Training Step:
                52%
                            | 51926/100000 [12:27<09:47,
81.83it/s][INFO] Episode ended! Scenario Index: 1004 Reason:
arrive_dest.
```

Training Step: 52%| | 51935/100000 [12:27<11:35, 69.07it/s] Training Step: 52%| | 51943/100000 [12:27<11:24, 70.22it/s] Training Step: 52%1 | 51951/100000 [12:27<11:19, 70.73it/s] Training Step: 52%| | 51959/100000 [12:27<11:25, 70.04it/s] | 51967/100000 [12:27<11:44, 68.16it/s] Training Step: 52%| Training Step: 52%| | 51974/100000 [12:28<11:56, 67.06it/s] Training Step: | 51981/100000 [12:28<12:02, 66.42it/s] 52%| Training Step: 52%| | 51988/100000 [12:28<12:31, 63.87it/s] | 51995/100000 [12:28<12:41, 63.04it/s] Training Step: 52%| Training Step: 52%1 | 52002/100000 [12:28<13:25, 59.60it/s] | 52009/100000 [12:28<13:02, 61.36it/s] Training Step: 52%| Training Step: | 52016/100000 [12:28<13:16, 60.28it/s] 52% Training Step: 52%1 | 52023/100000 [12:28<13:07, 60.92it/s] Training Step: 52%1 | 52030/100000 [12:29<13:21, 59.82it/s] | 52037/100000 [12:29<13:09, 60.75it/s] Training Step: 52%| Training Step: 52%| | 52044/100000 [12:29<13:04, 61.11it/s] Training Step: 52%| | 52051/100000 [12:29<12:55, 61.84it/s] Training Step: | 52058/100000 [12:29<13:23, 59.66it/s] 52%| Training Step: 52%| | 52064/100000 [12:29<14:09, 56.43it/s] Training Step: 52%| | 52070/100000 [12:29<14:39, 54.49it/s] Training Step: 52%| | 52076/100000 [12:29<14:52, 53.68it/s] Training Step: | 52082/100000 [12:29<14:56, 53.44it/s] 52%| Training Step: 52%| | 52088/100000 [12:30<14:53, 53.61it/s] Training Step: 52%| | 52094/100000 [12:30<15:14, 52.36it/s] Training Step: 52%1 | 52100/100000 [12:30<15:44, 50.73it/s] Training Step: 52%| | 52106/100000 [12:30<15:29, 51.55it/s] | 52112/100000 [12:30<15:55, 50.10it/s] Training Step: 52% Training Step: 52%| | 52118/100000 [12:30<16:14, 49.13it/s] Training Step: 52%| | 52124/100000 [12:30<16:21, 48.78it/s] | 52130/100000 [12:30<16:23, 48.66it/s] Training Step: 52%| Training Step: 52%| | 52135/100000 [12:31<16:31, 48.26it/s]

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Training Step:
                            | 52140/100000 [12:31<16:48, 47.46it/s]
                52%|
Training Step:
                52%|
                            | 52146/100000 [12:31<16:29, 48.37it/s]
Training Step:
                52%|
                            | 52151/100000 [12:31<16:25, 48.54it/s]
Training Step:
                52%|
                            | 52156/100000 [12:31<17:14, 46.26it/s]
Training Step:
                52%1
                            | 52161/100000 [12:31<17:52, 44.61it/s]
Training Step:
                52%|
                            | 52166/100000 [12:31<18:39,
42.73it/s][INFO] Episode ended! Scenario Index: 1004 Reason:
out_of_road.
                            | 52171/100000 [12:31<20:40, 38.57it/s]
Training Step:
                52%|
                            | 52178/100000 [12:31<17:13, 46.25it/s]
Training Step:
                52%|
                            | 52186/100000 [12:32<15:10, 52.54it/s]
Training Step:
                52%|
                            | 52194/100000 [12:32<13:33, 58.79it/s]
Training Step:
                52%|
                            | 52202/100000 [12:32<12:45, 62.47it/s]
Training Step:
                52%
Training Step:
                52%|
                            | 52210/100000 [12:32<12:12, 65.28it/s]
                52%|
                            | 52218/100000 [12:32<11:53, 66.92it/s]
Training Step:
Training Step:
                52%|
                            | 52225/100000 [12:32<11:50, 67.21it/s]
Training Step:
                52%|
                            | 52232/100000 [12:32<11:55, 66.75it/s]
Training Step:
                            | 52240/100000 [12:32<11:46, 67.59it/s]
                52%|
Training Step:
                52%1
                            | 52248/100000 [12:32<11:43, 67.84it/s]
Training Step:
                52%|
                            | 52256/100000 [12:33<11:38, 68.36it/s]
                            | 52264/100000 [12:33<11:30, 69.09it/s]
Training Step:
                52%|
Training Step:
                52%|
                            | 52271/100000 [12:33<11:35, 68.59it/s]
Training Step:
                            | 52278/100000 [12:33<12:10, 65.33it/s]
                52%|
Training Step:
                52%|
                            | 52285/100000 [12:33<12:25, 63.98it/s]
Training Step:
                52%|
                            | 52292/100000 [12:33<12:40, 62.71it/s]
Training Step:
                52%|
                            | 52299/100000 [12:33<12:25, 63.95it/s]
Training Step:
                52%|
                            | 52306/100000 [12:33<12:34,
63.18it/s][INFO] Episode ended! Scenario Index: 1019 Reason: crash
vehicle
                            | 52313/100000 [12:34<13:50, 57.45it/s]
Training Step:
                52%|
Training Step:
                52%|
                            | 52322/100000 [12:34<12:26, 63.88it/s]
Training Step:
                52%|
                            | 52330/100000 [12:34<11:41, 67.95it/s]
Training Step:
                            | 52337/100000 [12:34<12:04, 65.81it/s]
                52%|
                            | 52344/100000 [12:34<12:26, 63.82it/s]
Training Step:
                52%|
                            | 52351/100000 [12:34<12:37, 62.94it/s]
Training Step:
                52%|
Training Step:
                52%1
                            | 52358/100000 [12:34<12:58, 61.20it/s]
Training Step:
                            | 52365/100000 [12:34<13:17, 59.72it/s]
                52%|
Training Step:
                52%|
                            | 52372/100000 [12:34<13:35, 58.37it/s]
Training Step:
                52%|
                            | 52379/100000 [12:35<13:26, 59.07it/s]
Training Step:
                52%|
                            | 52386/100000 [12:35<13:27, 59.00it/s]
Training Step:
                52%|
                            | 52392/100000 [12:35<13:33,
58.49it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
out_of_road.
Training Step:
                52%|
                            | 52398/100000 [12:35<15:17, 51.86it/s]
```

| 52407/100000 [12:35<13:12, 60.04it/s]

Training Step:

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Training Step:
                            | 52415/100000 [12:35<12:24, 63.93it/s]
                52%
                            | 52422/100000 [12:35<12:09, 65.20it/s]
Training Step:
                52%|
Training Step:
                52%1
                            | 52429/100000 [12:35<11:59, 66.16it/s]
Training Step:
                52%|
                            | 52436/100000 [12:35<12:11, 65.05it/s]
Training Step:
                            | 52443/100000 [12:36<11:59, 66.06it/s]
                52%1
Training Step:
                52%|
                            | 52450/100000 [12:36<12:05, 65.51it/s]
Training Step:
                52%|
                            | 52457/100000 [12:36<11:51, 66.78it/s]
Training Step:
                52%|
                            | 52464/100000 [12:36<12:06, 65.44it/s]
                            | 52471/100000 [12:36<12:02, 65.80it/s]
Training Step:
                52%|
Training Step:
                52%|
                            | 52478/100000 [12:36<12:09, 65.14it/s]
Training Step:
                            | 52485/100000 [12:36<12:14, 64.68it/s]
                52%|
Training Step:
                            | 52492/100000 [12:36<12:26, 63.66it/s]
                52%
                            | 52499/100000 [12:36<12:28, 63.48it/s]
Training Step:
                52%|
                            | 52506/100000 [12:37<12:43, 62.17it/s]
Training Step:
                53%|
                            | 52513/100000 [12:37<12:46, 61.93it/s]
Training Step:
                53%|
Training Step:
                53%|
                            | 52520/100000 [12:37<12:55, 61.20it/s]
Training Step:
                53%|
                            | 52527/100000 [12:37<12:50, 61.58it/s]
Training Step:
                53%|
                            | 52534/100000 [12:37<12:59, 60.88it/s]
Training Step:
                53%|
                            | 52541/100000 [12:37<13:01, 60.73it/s]
Training Step:
                53%1
                            | 52548/100000 [12:37<13:06, 60.30it/s]
                            | 52555/100000 [12:37<13:04, 60.47it/s]
Training Step:
                53%|
                            | 52562/100000 [12:38<13:13, 59.81it/s]
Training Step:
                53%|
Training Step:
                53%|
                            | 52569/100000 [12:38<13:10, 59.97it/s]
Training Step:
                            | 52576/100000 [12:38<13:11, 59.93it/s]
                53%|
Training Step:
                53%|
                            | 52582/100000 [12:38<13:23, 59.00it/s]
                            | 52588/100000 [12:38<13:33, 58.31it/s]
Training Step:
                53%|
Training Step:
                53%|
                            | 52594/100000 [12:38<13:42, 57.66it/s]
                            | 52600/100000 [12:38<13:39, 57.83it/s]
Training Step:
                53%|
                            | 52606/100000 [12:38<13:56, 56.67it/s]
Training Step:
                53%|
Training Step:
                53%|
                            | 52612/100000 [12:38<13:51, 56.97it/s]
Training Step:
                53%|
                            | 52618/100000 [12:38<13:57, 56.54it/s]
Training Step:
                53%|
                            | 52624/100000 [12:39<14:06, 55.94it/s]
Training Step:
                53%|
                            | 52630/100000 [12:39<14:22, 54.91it/s]
Training Step:
                53%|
                            | 52636/100000 [12:39<14:17, 55.24it/s]
Training Step:
                            | 52642/100000 [12:39<14:24, 54.80it/s]
                53%|
Training Step:
                53%|
                            | 52648/100000 [12:39<14:34, 54.13it/s]
                            | 52654/100000 [12:39<14:16, 55.30it/s]
Training Step:
                53%|
Training Step:
                53%|
                            | 52660/100000 [12:39<14:10, 55.69it/s]
Training Step:
                            | 52666/100000 [12:39<14:10, 55.65it/s]
                53%|
Training Step:
                53%|
                            | 52672/100000 [12:39<14:25, 54.71it/s]
Training Step:
                53%|
                            | 52678/100000 [12:40<15:20, 51.43it/s]
Training Step:
                53%|
                            | 52684/100000 [12:40<15:49, 49.85it/s]
Training Step:
                53%|
                            | 52690/100000 [12:40<16:21, 48.21it/s]
                            | 52695/100000 [12:40<16:24, 48.05it/s]
Training Step:
                53%|
Training Step:
                53%|
                            | 52700/100000 [12:40<16:55, 46.59it/s]
Training Step:
                53%|
                            | 52705/100000 [12:40<16:38, 47.37it/s]
Training Step:
                53%|
                            | 52710/100000 [12:40<18:06, 43.54it/s]
Training Step:
                53%|
                            | 52715/100000 [12:40<17:58, 43.86it/s]
```

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Training Step:
                            | 52720/100000 [12:41<17:35, 44.78it/s]
                53%|
                            | 52725/100000 [12:41<17:33, 44.86it/s]
Training Step:
                53%|
Training Step:
                53%|
                            | 52730/100000 [12:41<17:26, 45.15it/s]
Training Step:
                53%|
                            | 52735/100000 [12:41<17:21, 45.36it/s]
Training Step:
                            | 52740/100000 [12:41<17:35, 44.78it/s]
                53%1
Training Step:
                53%|
                            | 52745/100000 [12:41<17:12, 45.78it/s]
Training Step:
                53%|
                            | 52750/100000 [12:41<17:11, 45.79it/s]
Training Step:
                53%1
                            | 52755/100000 [12:41<16:45,
46.97it/s][INFO] Episode ended! Scenario Index: 1006 Reason:
out_of_road.
                            | 52760/100000 [12:41<18:12, 43.25it/s]
Training Step:
                53%|
                            | 52768/100000 [12:42<14:50, 53.04it/s]
                53%|
```

Training Step: | 52776/100000 [12:42<13:06, 60.03it/s] Training Step: 53%| Training Step: 53%| | 52784/100000 [12:42<12:31, 62.83it/s] Training Step: 53%| | 52791/100000 [12:42<12:14, 64.29it/s] Training Step: 53%| | 52798/100000 [12:42<12:18, 63.92it/s] Training Step: 53%| | 52805/100000 [12:42<12:25, 63.31it/s] Training Step: 53%| | 52812/100000 [12:42<12:38, 62.23it/s] Training Step: 53%1 | 52819/100000 [12:42<12:33, 62.64it/s] | 52826/100000 [12:42<12:39, 62.10it/s] Training Step: 53%| | 52833/100000 [12:43<12:27, 63.06it/s] Training Step: 53%| Training Step: 53%| | 52840/100000 [12:43<12:37, 62.22it/s] Training Step: 53%| | 52847/100000 [12:43<12:32, 62.64it/s] Training Step: 53%| | 52854/100000 [12:43<12:47, 61.44it/s] | 52861/100000 [12:43<12:35, 62.42it/s] Training Step: 53%| | 52868/100000 [12:43<12:57, 60.66it/s] Training Step: 53%| | 52875/100000 [12:43<12:47, 61.44it/s] Training Step: 53%| Training Step: | 52882/100000 [12:43<12:50, 61.18it/s] 53%| Training Step: 53%| | 52889/100000 [12:43<12:45, 61.54it/s] Training Step: 53%| | 52896/100000 [12:44<12:53, 60.86it/s] | 52903/100000 [12:44<12:43, 61.67it/s] Training Step: 53%| Training Step: 53%| | 52910/100000 [12:44<12:50, 61.10it/s] Training Step: 53%| | 52917/100000 [12:44<12:49, 61.19it/s] Training Step: | 52924/100000 [12:44<12:56, 60.62it/s] 53%| | 52931/100000 [12:44<12:47, 61.33it/s] Training Step: 53%| | 52938/100000 [12:44<12:45, 61.52it/s] Training Step: 53%| Training Step: 53%| | 52945/100000 [12:44<12:35, 62.30it/s] Training Step: | 52952/100000 [12:44<12:50, 61.06it/s] 53%| Training Step: 53%| | 52959/100000 [12:45<12:37, 62.14it/s] Training Step: 53%| | 52966/100000 [12:45<12:53, 60.79it/s] Training Step: 53%| | 52973/100000 [12:45<12:37, 62.11it/s] Training Step: 53%| | 52980/100000 [12:45<12:35, 62.22it/s] Training Step: | 52987/100000 [12:45<12:20, 63.49it/s] 53%| | 52994/100000 [12:45<12:17, 63.71it/s] Training Step: 53%| Training Step: 53%| | 53001/100000 [12:45<12:26, 63.00it/s] Training Step: 53%| | 53008/100000 [12:45<12:23, 63.19it/s] Training Step: 53%| | 53015/100000 [12:45<12:02, 65.01it/s]

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Training Step:
                            | 53022/100000 [12:46<12:08, 64.53it/s]
                53%|
Training Step:
                53%|
                            | 53029/100000 [12:46<11:52, 65.96it/s]
Training Step:
                53%|
                            | 53036/100000 [12:46<11:51, 65.98it/s]
Training Step:
                53%|
                            | 53043/100000 [12:46<11:47, 66.37it/s]
Training Step:
                            | 53050/100000 [12:46<11:54, 65.71it/s]
                53%1
Training Step:
                53%|
                            | 53058/100000 [12:46<11:39, 67.12it/s]
Training Step:
                53%|
                            | 53065/100000 [12:46<11:44, 66.61it/s]
Training Step:
                53%|
                            | 53072/100000 [12:46<11:44, 66.63it/s]
                            | 53079/100000 [12:46<11:52, 65.90it/s]
Training Step:
                53%|
Training Step:
                53%|
                            | 53086/100000 [12:47<11:57, 65.39it/s]
                            | 53093/100000 [12:47<11:59, 65.22it/s]
Training Step:
                53%|
Training Step:
                            | 53100/100000 [12:47<11:58, 65.28it/s]
                53%|
                            | 53107/100000 [12:47<12:11, 64.07it/s]
Training Step:
                53%|
                            | 53114/100000 [12:47<12:11, 64.11it/s]
Training Step:
                53%|
                            | 53121/100000 [12:47<12:14, 63.80it/s]
Training Step:
                53%|
                53%|
                            | 53128/100000 [12:47<13:01, 59.98it/s]
Training Step:
Training Step:
                53%|
                            | 53135/100000 [12:47<12:57, 60.25it/s]
Training Step:
                53%|
                            | 53142/100000 [12:47<13:19, 58.61it/s]
Training Step:
                53%|
                            | 53148/100000 [12:48<13:16, 58.82it/s]
Training Step:
                53%1
                            | 53154/100000 [12:48<13:20, 58.50it/s]
                            | 53161/100000 [12:48<13:06, 59.54it/s]
Training Step:
                53%|
                            | 53167/100000 [12:48<13:12, 59.08it/s]
Training Step:
                53%|
Training Step:
                53%|
                            | 53173/100000 [12:48<13:24, 58.19it/s]
Training Step:
                            | 53179/100000 [12:48<13:22, 58.38it/s]
                53%|
Training Step:
                53%|
                            | 53185/100000 [12:48<13:27, 58.00it/s]
                            | 53191/100000 [12:48<13:25, 58.08it/s]
Training Step:
                53%|
Training Step:
                53%|
                            | 53197/100000 [12:48<13:20, 58.47it/s]
Training Step:
                53%|
                            | 53204/100000 [12:49<13:09, 59.24it/s]
                            | 53210/100000 [12:49<13:06, 59.46it/s]
Training Step:
                53%|
Training Step:
                53%|
                            | 53217/100000 [12:49<12:43, 61.27it/s]
Training Step:
                53%|
                            | 53224/100000 [12:49<12:32, 62.17it/s]
Training Step:
                53%|
                            | 53232/100000 [12:49<12:04, 64.51it/s]
Training Step:
                53%|
                            | 53240/100000 [12:49<11:41, 66.62it/s]
Training Step:
                53%|
                            | 53248/100000 [12:49<11:22, 68.45it/s]
Training Step:
                53%|
                            | 53256/100000 [12:49<11:06,
70.12it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
arrive dest.
Training Step:
                            | 53264/100000 [12:49<12:47, 60.90it/s]
                53%|
Training Step:
                53%|
                            | 53272/100000 [12:50<11:52, 65.54it/s]
Training Step:
                53%|
                            | 53280/100000 [12:50<11:15, 69.17it/s]
Training Step:
                53%|
                            | 53288/100000 [12:50<10:54, 71.35it/s]
Training Step:
                53%|
                            | 53296/100000 [12:50<10:45, 72.35it/s]
                            | 53304/100000 [12:50<10:49, 71.90it/s]
Training Step:
                53%|
                            | 53312/100000 [12:50<10:45, 72.32it/s]
Training Step:
                53%|
Training Step:
                53%|
                            | 53320/100000 [12:50<10:37, 73.24it/s]
Training Step:
                53%|
                            | 53328/100000 [12:50<10:42, 72.69it/s]
Training Step:
                53%|
                            | 53336/100000 [12:50<10:41, 72.70it/s]
```

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Training Step:
                            | 53344/100000 [12:51<10:45, 72.31it/s]
                53%|
                            | 53352/100000 [12:51<10:50, 71.66it/s]
Training Step:
                53%|
Training Step:
                53%|
                            | 53360/100000 [12:51<10:56, 71.02it/s]
Training Step:
                53%|
                            | 53368/100000 [12:51<11:28, 67.70it/s]
Training Step:
                            | 53375/100000 [12:51<11:49, 65.70it/s]
                53%1
Training Step:
                53%|
                            | 53382/100000 [12:51<12:11, 63.77it/s]
Training Step:
                53%|
                            | 53389/100000 [12:51<12:22, 62.76it/s]
Training Step:
                53%|
                            | 53396/100000 [12:51<12:35, 61.72it/s]
Training Step:
                            | 53403/100000 [12:51<12:32, 61.95it/s]
                53%|
Training Step:
                53%|
                            | 53410/100000 [12:52<12:43, 60.99it/s]
                            | 53417/100000 [12:52<12:46, 60.80it/s]
Training Step:
                53%|
Training Step:
                            | 53424/100000 [12:52<13:07,
                53%|
59.13it/s][INFO] Episode ended! Scenario Index: 1009 Reason: crash
vehicle
Training Step:
                53%|
                            | 53430/100000 [12:52<14:27, 53.69it/s]
Training Step:
                53%|
                            | 53438/100000 [12:52<12:51, 60.39it/s]
Training Step:
                53%|
                            | 53446/100000 [12:52<12:07, 63.99it/s]
Training Step:
                53%|
                            | 53453/100000 [12:52<12:08, 63.86it/s]
Training Step:
                53%1
                            | 53460/100000 [12:52<12:23, 62.63it/s]
                            | 53467/100000 [12:53<12:23, 62.59it/s]
Training Step:
                53%|
                            | 53474/100000 [12:53<12:29, 62.07it/s]
Training Step:
                53%|
Training Step:
                53%|
                            | 53481/100000 [12:53<12:14, 63.37it/s]
Training Step:
                            | 53488/100000 [12:53<12:15, 63.28it/s]
                53%|
Training Step:
                53%|
                            | 53495/100000 [12:53<12:13, 63.38it/s]
                            | 53502/100000 [12:53<12:20, 62.78it/s]
Training Step:
                54%|
Training Step:
                54%|
                            | 53509/100000 [12:53<12:15, 63.20it/s]
                            | 53516/100000 [12:53<12:35, 61.50it/s]
Training Step:
                54%|
Training Step:
                            | 53523/100000 [12:53<12:53, 60.05it/s]
                54%|
Training Step:
                54%|
                            | 53530/100000 [12:54<12:56, 59.83it/s]
Training Step:
                            | 53537/100000 [12:54<12:42, 60.92it/s]
                54%|
Training Step:
                54%|
                            | 53544/100000 [12:54<12:50, 60.28it/s]
Training Step:
                54%|
                            | 53551/100000 [12:54<12:44, 60.77it/s]
Training Step:
                54%|
                            | 53558/100000 [12:54<12:53, 60.02it/s]
Training Step:
                            | 53565/100000 [12:54<12:42, 60.90it/s]
                54%|
                            | 53572/100000 [12:54<12:38, 61.21it/s]
Training Step:
                54%|
                            | 53579/100000 [12:54<13:02, 59.32it/s]
Training Step:
                54%|
Training Step:
                54%1
                            | 53585/100000 [12:54<13:02, 59.31it/s]
Training Step:
                            | 53591/100000 [12:55<13:07, 58.92it/s]
                54%|
Training Step:
                54%|
                            | 53598/100000 [12:55<12:59, 59.52it/s]
Training Step:
                54%|
                            | 53605/100000 [12:55<12:49, 60.26it/s]
Training Step:
                54%|
                            | 53612/100000 [12:55<12:47, 60.44it/s]
Training Step:
                54%|
                            | 53619/100000 [12:55<12:51, 60.09it/s]
                            | 53626/100000 [12:55<12:42, 60.81it/s]
Training Step:
                54%|
Training Step:
                54%|
                            | 53633/100000 [12:55<12:28, 61.97it/s]
Training Step:
                54%|
                            | 53640/100000 [12:55<12:22, 62.46it/s]
Training Step:
                54%|
                            | 53647/100000 [12:55<12:13, 63.15it/s]
Training Step:
                54%|
                            | 53654/100000 [12:56<12:18, 62.78it/s]
```

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Training Step:
                54%|
                            | 53668/100000 [12:56<11:58, 64.48it/s]
Training Step:
                54%|
                            | 53676/100000 [12:56<11:37, 66.43it/s]
Training Step:
                54%|
                            | 53683/100000 [12:56<11:32, 66.87it/s]
Training Step:
                            | 53690/100000 [12:56<11:39, 66.25it/s]
                54%1
Training Step:
                54%|
                            | 53697/100000 [12:56<11:27, 67.32it/s]
Training Step:
                54%|
                            | 53704/100000 [12:56<11:33, 66.74it/s]
Training Step:
                54%1
                            | 53712/100000 [12:56<11:24, 67.64it/s]
Training Step:
                            | 53719/100000 [12:57<11:23, 67.73it/s]
                54%|
Training Step:
                54%|
                            | 53726/100000 [12:57<11:31, 66.96it/s]
                            | 53734/100000 [12:57<11:04, 69.58it/s]
Training Step:
                54%|
Training Step:
                            | 53742/100000 [12:57<10:57, 70.35it/s]
                54%|
                            | 53750/100000 [12:57<10:47, 71.47it/s]
Training Step:
                54%|
                            | 53758/100000 [12:57<10:43, 71.85it/s]
Training Step:
                54%|
                            | 53766/100000 [12:57<10:49, 71.14it/s]
Training Step:
                54%|
                54%|
                            | 53774/100000 [12:57<10:52, 70.84it/s]
Training Step:
Training Step:
                54%|
                            | 53782/100000 [12:57<10:57, 70.26it/s]
                54%|
                            | 53790/100000 [12:58<11:01,
Training Step:
69.87it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
out of road.
                            | 53797/100000 [12:58<12:51, 59.91it/s]
Training Step:
                54%|
Training Step:
                54%|
                            | 53806/100000 [12:58<11:41, 65.81it/s]
Training Step:
                            | 53814/100000 [12:58<11:06, 69.30it/s]
                54%|
Training Step:
                54%|
                            | 53822/100000 [12:58<11:45, 65.48it/s]
                            | 53829/100000 [12:58<12:08, 63.37it/s]
Training Step:
                54%|
Training Step:
                54%|
                            | 53836/100000 [12:58<12:44, 60.38it/s]
                            | 53843/100000 [12:58<12:48, 60.07it/s]
Training Step:
                54%|
                            | 53850/100000 [12:59<13:15, 57.98it/s]
Training Step:
                54%|
Training Step:
                54%|
                            | 53856/100000 [12:59<13:30, 56.90it/s]
Training Step:
                            | 53862/100000 [12:59<13:40, 56.24it/s]
                54%|
Training Step:
                54%|
                            | 53868/100000 [12:59<13:39, 56.32it/s]
Training Step:
                54%|
                            | 53874/100000 [12:59<13:47, 55.72it/s]
Training Step:
                54%|
                            | 53880/100000 [12:59<14:01, 54.79it/s]
Training Step:
                            | 53886/100000 [12:59<13:44, 55.91it/s]
                54%|
Training Step:
                54%|
                            | 53892/100000 [12:59<13:50,
55.50it/s][INFO] Episode ended! Scenario Index: 1012 Reason:
out of road.
Training Step:
                54%|
                            | 53898/100000 [12:59<15:28, 49.66it/s]
Training Step:
                54%|
                            | 53906/100000 [13:00<13:35, 56.51it/s]
Training Step:
                54%|
                            | 53914/100000 [13:00<12:37, 60.83it/s]
Training Step:
                54%|
                            | 53922/100000 [13:00<11:53, 64.61it/s]
                            | 53930/100000 [13:00<11:35, 66.28it/s]
Training Step:
                54%|
Training Step:
                54%|
                            | 53938/100000 [13:00<11:15, 68.17it/s]
Training Step:
                54%|
                            | 53946/100000 [13:00<10:58, 69.89it/s]
                            | 53954/100000 [13:00<11:08, 68.87it/s]
Training Step:
                54%|
Training Step:
                54%|
                            | 53962/100000 [13:00<11:13, 68.36it/s]
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| 53661/100000 [12:56<12:03, 64.08it/s]

Training Step:

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Training Step:
                            | 53969/100000 [13:00<11:12, 68.43it/s]
                54%|
Training Step:
                54%|
                            | 53976/100000 [13:01<11:30, 66.65it/s]
Training Step:
                54%|
                            | 53983/100000 [13:01<11:45, 65.22it/s]
Training Step:
                54%|
                            | 53990/100000 [13:01<11:50, 64.76it/s]
Training Step:
                            | 53997/100000 [13:01<11:57, 64.08it/s]
                54%1
Training Step:
                54%|
                            | 54004/100000 [13:01<12:58, 59.05it/s]
Training Step:
                54%|
                            | 54011/100000 [13:01<12:46, 60.01it/s]
Training Step:
                54%1
                            | 54018/100000 [13:01<12:41, 60.42it/s]
                            | 54025/100000 [13:01<12:35, 60.87it/s]
Training Step:
                54%|
Training Step:
                54%|
                            | 54032/100000 [13:02<12:39, 60.55it/s]
                            | 54039/100000 [13:02<12:39, 60.49it/s]
Training Step:
                54%|
Training Step:
                            | 54046/100000 [13:02<12:44, 60.14it/s]
                54%|
                            | 54053/100000 [13:02<12:31, 61.14it/s]
Training Step:
                54%|
                            | 54060/100000 [13:02<12:48, 59.81it/s]
Training Step:
                54%|
Training Step:
                54%|
                            | 54067/100000 [13:02<12:32, 61.07it/s]
                54%|
                            | 54074/100000 [13:02<12:32, 61.01it/s]
Training Step:
Training Step:
                54%|
                            | 54081/100000 [13:02<12:17, 62.27it/s]
Training Step:
                54%|
                            | 54088/100000 [13:02<13:19, 57.43it/s]
Training Step:
                54%|
                            | 54094/100000 [13:03<13:59, 54.68it/s]
Training Step:
                54%1
                            | 54100/100000 [13:03<14:36, 52.40it/s]
Training Step:
                54%|
                            | 54106/100000 [13:03<15:03, 50.82it/s]
                            | 54112/100000 [13:03<15:13, 50.22it/s]
Training Step:
                54%|
Training Step:
                54%|
                            | 54118/100000 [13:03<15:28, 49.43it/s]
Training Step:
                            | 54124/100000 [13:03<15:31, 49.24it/s]
                54%|
Training Step:
                54%|
                            | 54129/100000 [13:03<15:29, 49.33it/s]
                            | 54134/100000 [13:03<15:32, 49.17it/s]
Training Step:
                54%|
Training Step:
                54%|
                            | 54140/100000 [13:04<15:27,
49.43it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
out_of_road.
```

Training Step: 54%| | 54145/100000 [13:04<18:10, 42.05it/s] Training Step: 54%| | 54153/100000 [13:04<15:15, 50.08it/s] Training Step: 54%| | 54161/100000 [13:04<13:28, 56.73it/s] Training Step: 54%| | 54168/100000 [13:04<13:09, 58.09it/s] Training Step: | 54174/100000 [13:04<13:18, 57.37it/s] 54%| | 54180/100000 [13:04<13:28, 56.70it/s] Training Step: 54%| | 54186/100000 [13:04<13:19, 57.29it/s] Training Step: 54%| Training Step: 54%1 | 54192/100000 [13:04<13:22, 57.09it/s] Training Step: | 54198/100000 [13:05<13:35, 56.17it/s] 54%| Training Step: 54%| | 54204/100000 [13:05<13:31, 56.45it/s] Training Step: 54%| | 54210/100000 [13:05<13:37, 56.03it/s] Training Step: 54%| | 54216/100000 [13:05<13:34, 56.20it/s] Training Step: 54%| | 54222/100000 [13:05<13:35, 56.16it/s] | 54228/100000 [13:05<13:37, 55.98it/s] Training Step: 54%| Training Step: 54%| | 54234/100000 [13:05<13:43, 55.54it/s] Training Step: 54%| | 54240/100000 [13:05<13:46, 55.39it/s] Training Step: 54%| | 54246/100000 [13:05<13:36, 56.01it/s] Training Step: 54%| | 54252/100000 [13:06<13:28, 56.56it/s]

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Training Step:
                            | 54258/100000 [13:06<13:20, 57.13it/s]
                54%|
                            | 54264/100000 [13:06<13:13, 57.63it/s]
Training Step:
                54%|
Training Step:
                54%|
                            | 54271/100000 [13:06<12:48, 59.50it/s]
Training Step:
                54%|
                            | 54277/100000 [13:06<13:10, 57.81it/s]
Training Step:
                            | 54283/100000 [13:06<13:02, 58.44it/s]
                54%1
Training Step:
                54%|
                            | 54289/100000 [13:06<13:05, 58.21it/s]
Training Step:
                54%|
                            | 54295/100000 [13:06<13:04, 58.23it/s]
Training Step:
                54%1
                            | 54301/100000 [13:06<13:00, 58.57it/s]
Training Step:
                            | 54308/100000 [13:06<12:54, 58.98it/s]
                54%|
Training Step:
                54%|
                            | 54314/100000 [13:07<13:01, 58.44it/s]
                54%|
                            | 54320/100000 [13:07<12:57, 58.72it/s]
Training Step:
Training Step:
                            | 54327/100000 [13:07<12:42, 59.90it/s]
                54%|
                            | 54333/100000 [13:07<12:41, 59.93it/s]
Training Step:
                54%|
                            | 54339/100000 [13:07<12:43, 59.78it/s]
Training Step:
                54%|
                            | 54345/100000 [13:07<12:47, 59.50it/s]
Training Step:
                54%|
Training Step:
                54%|
                            | 54352/100000 [13:07<12:52, 59.11it/s]
Training Step:
                54%|
                            | 54358/100000 [13:07<12:53, 59.03it/s]
Training Step:
                54%|
                            | 54365/100000 [13:07<12:35, 60.44it/s]
Training Step:
                54%|
                            | 54372/100000 [13:08<12:39, 60.08it/s]
Training Step:
                54%1
                            | 54379/100000 [13:08<12:56, 58.78it/s]
                            | 54385/100000 [13:08<13:01, 58.39it/s]
Training Step:
                54%|
                            | 54391/100000 [13:08<13:13, 57.47it/s]
Training Step:
                54%|
Training Step:
                54%|
                            | 54397/100000 [13:08<13:10, 57.69it/s]
Training Step:
                            | 54403/100000 [13:08<13:12, 57.53it/s]
                54%|
Training Step:
                54%|
                            | 54409/100000 [13:08<13:16, 57.26it/s]
                            | 54415/100000 [13:08<13:09, 57.71it/s]
Training Step:
                54%|
Training Step:
                54%|
                            | 54421/100000 [13:08<13:09, 57.71it/s]
                            | 54427/100000 [13:09<13:12, 57.54it/s]
Training Step:
                54%|
                            | 54433/100000 [13:09<13:06, 57.92it/s]
Training Step:
                54%|
Training Step:
                54%|
                            | 54440/100000 [13:09<13:00, 58.37it/s]
Training Step:
                            | 54446/100000 [13:09<13:00, 58.34it/s]
                54%|
Training Step:
                54%|
                            | 54452/100000 [13:09<13:07, 57.82it/s]
Training Step:
                54%|
                            | 54459/100000 [13:09<12:52, 58.95it/s]
Training Step:
                54%|
                            | 54465/100000 [13:09<12:57, 58.58it/s]
Training Step:
                            | 54471/100000 [13:09<13:09, 57.67it/s]
                54%|
                            | 54477/100000 [13:09<13:00, 58.33it/s]
Training Step:
                54%|
                            | 54483/100000 [13:09<13:00, 58.31it/s]
Training Step:
                54%|
Training Step:
                54%1
                            | 54490/100000 [13:10<12:58, 58.48it/s]
Training Step:
                            | 54496/100000 [13:10<13:22, 56.67it/s]
                54%|
Training Step:
                55%|
                            | 54502/100000 [13:10<14:07, 53.70it/s]
Training Step:
                55%|
                            | 54508/100000 [13:10<14:21, 52.80it/s]
Training Step:
                55%|
                            | 54514/100000 [13:10<14:19, 52.95it/s]
Training Step:
                55%|
                            | 54520/100000 [13:10<14:27, 52.45it/s]
                            | 54526/100000 [13:10<14:37, 51.82it/s]
Training Step:
                55%|
Training Step:
                55%|
                            | 54532/100000 [13:10<14:28, 52.33it/s]
Training Step:
                55%|
                            | 54538/100000 [13:11<14:15, 53.12it/s]
Training Step:
                55%|
                            | 54544/100000 [13:11<14:06, 53.68it/s]
Training Step:
                55%|
                            | 54550/100000 [13:11<14:11, 53.36it/s]
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Training Step:
                55%|
                            | 54556/100000 [13:11<14:12, 53.28it/s]
                            | 54562/100000 [13:11<14:06, 53.65it/s]
Training Step:
                55%|
Training Step:
                55%|
                            | 54568/100000 [13:11<14:11, 53.34it/s]
Training Step:
                55%|
                            | 54574/100000 [13:11<14:19, 52.85it/s]
Training Step:
                            | 54580/100000 [13:11<14:18, 52.92it/s]
                55%|
Training Step:
                55%|
                            | 54586/100000 [13:11<14:12, 53.26it/s]
Training Step:
                55%|
                            | 54592/100000 [13:12<14:11, 53.35it/s]
Training Step:
                55%|
                            | 54598/100000 [13:12<14:07, 53.56it/s]
Training Step:
                            | 54604/100000 [13:12<14:14, 53.14it/s]
                55%|
Training Step:
                55%|
                            | 54610/100000 [13:12<14:21, 52.70it/s]
                            | 54616/100000 [13:12<14:12, 53.24it/s]
Training Step:
                55%|
Training Step:
                            | 54622/100000 [13:12<14:31, 52.09it/s]
                55%|
                            | 54628/100000 [13:12<14:22, 52.59it/s]
Training Step:
                55%|
Training Step:
                            | 54634/100000 [13:12<14:14, 53.08it/s]
                55%|
Training Step:
                55%|
                            | 54640/100000 [13:12<14:43, 51.31it/s]
Training Step:
                55%|
                            | 54646/100000 [13:13<15:49, 47.75it/s]
Training Step:
                55%|
                            | 54651/100000 [13:13<16:14, 46.55it/s]
Training Step:
                55%|
                            | 54656/100000 [13:13<16:50, 44.88it/s]
Training Step:
                55%|
                            | 54661/100000 [13:13<16:54, 44.70it/s]
Training Step:
                55% I
                            | 54666/100000 [13:13<17:02, 44.35it/s]
Training Step:
                55%|
                            | 54671/100000 [13:13<16:54, 44.66it/s]
                            | 54676/100000 [13:13<17:18, 43.63it/s]
Training Step:
                55%|
Training Step:
                55%|
                            | 54681/100000 [13:13<17:03, 44.27it/s]
Training Step:
                55%|
                            | 54686/100000 [13:14<17:11, 43.92it/s]
Training Step:
                55%|
                            | 54691/100000 [13:14<16:55, 44.60it/s]
                            | 54696/100000 [13:14<16:39, 45.34it/s]
Training Step:
                55%|
Training Step:
                55%|
                            | 54702/100000 [13:14<16:20, 46.20it/s]
Training Step:
                55%|
                            | 54708/100000 [13:14<15:56, 47.38it/s]
Training Step:
                            | 54714/100000 [13:14<15:39, 48.18it/s]
                55%|
Training Step:
                55%|
                            | 54720/100000 [13:14<15:50, 47.64it/s]
Training Step:
                55%|
                            | 54725/100000 [13:14<16:05, 46.88it/s]
                            | 54730/100000 [13:14<16:01, 47.07it/s]
Training Step:
                55%|
Training Step:
                55%|
                            | 54736/100000 [13:15<15:45, 47.86it/s]
Training Step:
                55%|
                            | 54741/100000 [13:15<15:49, 47.66it/s]
Training Step:
                            | 54746/100000 [13:15<15:52, 47.52it/s]
                55%|
                            | 54752/100000 [13:15<15:26, 48.82it/s]
Training Step:
                55%|
Training Step:
                            | 54758/100000 [13:15<15:22, 49.06it/s]
                55%|
Training Step:
                55%|
                            | 54764/100000 [13:15<15:11, 49.61it/s]
Training Step:
                            | 54770/100000 [13:15<15:09, 49.73it/s]
                55%|
                            | 54776/100000 [13:15<14:47, 50.98it/s]
Training Step:
                55%|
Training Step:
                55%|
                            | 54782/100000 [13:15<14:56, 50.42it/s]
Training Step:
                55%|
                            | 54788/100000 [13:16<14:38, 51.47it/s]
Training Step:
                55%|
                            | 54794/100000 [13:16<14:00, 53.78it/s]
Training Step:
                            | 54800/100000 [13:16<13:36, 55.36it/s]
                55%|
Training Step:
                55%|
                            | 54806/100000 [13:16<13:35, 55.42it/s]
Training Step:
                55%|
                            | 54812/100000 [13:16<13:57,
53.96it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
out_of_road.
```

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| 54818/100000 [13:16<16:14, 46.34it/s]
Training Step:
                55%|
Training Step:
                55%|
                            | 54826/100000 [13:16<14:14, 52.88it/s]
Training Step:
                55%|
                            | 54834/100000 [13:16<12:52, 58.47it/s]
Training Step:
                            | 54841/100000 [13:17<12:34, 59.87it/s]
                55%|
Training Step:
                55%|
                            | 54848/100000 [13:17<12:37, 59.60it/s]
Training Step:
                55%|
                            | 54855/100000 [13:17<12:20, 60.98it/s]
Training Step:
                55%|
                            | 54862/100000 [13:17<12:22, 60.79it/s]
                            | 54869/100000 [13:17<12:14, 61.45it/s]
Training Step:
                55%|
Training Step:
                55%|
                            | 54876/100000 [13:17<12:10, 61.76it/s]
Training Step:
                            | 54883/100000 [13:17<11:52, 63.33it/s]
                55%|
                            | 54890/100000 [13:17<12:12, 61.58it/s]
Training Step:
                55%|
                            | 54897/100000 [13:17<12:07, 62.02it/s]
Training Step:
                55%|
                            | 54904/100000 [13:18<12:20, 60.86it/s]
Training Step:
                55%|
Training Step:
                55%|
                            | 54911/100000 [13:18<12:16, 61.18it/s]
                55%|
                            | 54918/100000 [13:18<12:21,
Training Step:
60.77it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
out_of_road.
Training Step:
                55%|
                            | 54925/100000 [13:18<13:13, 56.80it/s]
Training Step:
                55%|
                            | 54933/100000 [13:18<11:57, 62.79it/s]
                            | 54942/100000 [13:18<10:47, 69.56it/s]
Training Step:
                55%|
Training Step:
                55%|
                            | 54950/100000 [13:18<10:28, 71.65it/s]
Training Step:
                            | 54958/100000 [13:18<10:10, 73.79it/s]
                55%|
Training Step:
                55%|
                            | 54966/100000 [13:18<09:59, 75.13it/s]
                            | 54975/100000 [13:19<09:35, 78.29it/s]
Training Step:
                55%|
                            | 54983/100000 [13:19<09:46, 76.79it/s]
Training Step:
                55%|
Training Step:
                55%|
                            | 54991/100000 [13:19<09:56, 75.45it/s]
                            | 54999/100000 [13:19<10:00, 74.98it/s]
Training Step:
                55%|
Training Step:
                55%|
                            | 55007/100000 [13:19<10:03, 74.50it/s]
                55%|
                            | 55015/100000 [13:19<09:58, 75.21it/s]
Training Step:
Training Step:
                55%|
                            | 55023/100000 [13:19<10:09, 73.83it/s]
Training Step:
                55%|
                            | 55031/100000 [13:19<10:21, 72.31it/s]
Training Step:
                55%|
                            | 55039/100000 [13:19<10:24, 72.04it/s]
Training Step:
                            | 55047/100000 [13:20<10:22, 72.25it/s]
                55%|
                            | 55055/100000 [13:20<10:22, 72.19it/s]
Training Step:
                55%|
                            | 55063/100000 [13:20<10:32, 71.00it/s]
Training Step:
                55%|
                            | 55071/100000 [13:20<10:31, 71.13it/s]
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Training Step:

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| 55079/100000 [13:20<10:55, 68.48it/s]

| 55086/100000 [13:20<11:21, 65.88it/s]

| 55093/100000 [13:20<11:28, 65.24it/s]

| 55100/100000 [13:20<11:35, 64.60it/s]

| 55107/100000 [13:20<11:26, 65.36it/s] | 55114/100000 [13:21<11:41, 63.98it/s]

| 55122/100000 [13:21<11:28, 65.17it/s]

| 55129/100000 [13:21<11:29, 65.06it/s]

| 55136/100000 [13:21<11:26, 65.35it/s]

| 55143/100000 [13:21<11:14, 66.55it/s]

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Training Step:
                            | 55150/100000 [13:21<11:04, 67.51it/s]
                55%|
Training Step:
                55%|
                            | 55158/100000 [13:21<10:52, 68.74it/s]
Training Step:
                55%|
                            | 55166/100000 [13:21<10:47, 69.19it/s]
Training Step:
                55%|
                            | 55174/100000 [13:21<10:46, 69.31it/s]
Training Step:
                            | 55183/100000 [13:22<10:10, 73.43it/s]
                55% l
Training Step:
                55%|
                            | 55191/100000 [13:22<10:03,
74.23it/s][INFO] Episode ended! Scenario Index: 1014 Reason:
arrive dest.
                            | 55199/100000 [13:22<10:55, 68.32it/s]
Training Step:
                55%|
                            | 55208/100000 [13:22<10:26, 71.44it/s]
Training Step:
                55%|
Training Step:
                            | 55217/100000 [13:22<09:52, 75.62it/s]
                55%|
                            | 55225/100000 [13:22<09:55, 75.17it/s]
Training Step:
                55%|
                            | 55233/100000 [13:22<09:53, 75.46it/s]
Training Step:
                55%|
                            | 55241/100000 [13:22<09:48, 76.10it/s]
Training Step:
                55%|
Training Step:
                55%|
                            | 55249/100000 [13:22<09:54, 75.28it/s]
Training Step:
                55%|
                            | 55257/100000 [13:23<09:57, 74.92it/s]
Training Step:
                55%|
                            | 55265/100000 [13:23<09:54, 75.29it/s]
Training Step:
                            | 55273/100000 [13:23<09:50, 75.77it/s]
                55%|
Training Step:
                55% l
                            | 55281/100000 [13:23<10:09, 73.40it/s]
Training Step:
                55%|
                            | 55289/100000 [13:23<10:15, 72.60it/s]
                            | 55297/100000 [13:23<10:15, 72.64it/s]
Training Step:
                55%|
Training Step:
                55%|
                            | 55305/100000 [13:23<10:19, 72.18it/s]
Training Step:
                            | 55313/100000 [13:23<10:28, 71.16it/s]
                55%|
Training Step:
                55%|
                            | 55321/100000 [13:23<10:20, 72.01it/s]
                            | 55329/100000 [13:24<10:23, 71.63it/s]
Training Step:
                55%|
Training Step:
                55%|
                            | 55337/100000 [13:24<10:29, 71.01it/s]
Training Step:
                55%|
                            | 55345/100000 [13:24<10:32,
70.57it/s][INFO] Episode ended! Scenario Index: 1014 Reason: crash
vehicle
                            | 55353/100000 [13:24<12:14, 60.81it/s]
Training Step:
                55%|
Training Step:
                55%|
                            | 55362/100000 [13:24<11:20, 65.57it/s]
Training Step:
                55%|
                            | 55370/100000 [13:24<11:01, 67.51it/s]
Training Step:
                            | 55378/100000 [13:24<10:56, 67.93it/s]
                55%|
Training Step:
                55%|
                            | 55385/100000 [13:24<10:58, 67.76it/s]
                            | 55392/100000 [13:24<11:04, 67.10it/s]
Training Step:
                55%|
Training Step:
                55%|
                            | 55399/100000 [13:25<11:22, 65.37it/s]
Training Step:
                            | 55406/100000 [13:25<11:44, 63.34it/s]
                55%|
Training Step:
                55%|
                            | 55413/100000 [13:25<11:54, 62.43it/s]
Training Step:
                55%|
                            | 55420/100000 [13:25<12:16, 60.55it/s]
Training Step:
                            | 55427/100000 [13:25<12:16, 60.49it/s]
                55%|
Training Step:
                55%|
                            | 55434/100000 [13:25<12:28, 59.53it/s]
Training Step:
                            | 55440/100000 [13:25<12:36, 58.87it/s]
                55%|
Training Step:
                55%|
                            | 55446/100000 [13:25<12:56, 57.39it/s]
Training Step:
                55%|
                            | 55452/100000 [13:26<12:49, 57.86it/s]
Training Step:
                55%|
                            | 55458/100000 [13:26<12:51, 57.72it/s]
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| 55464/100000 [13:26<12:47, 58.04it/s]

Training Step:

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Training Step:
                            | 55471/100000 [13:26<12:25, 59.75it/s]
                55%|
                            | 55478/100000 [13:26<12:14, 60.60it/s]
Training Step:
                55%|
Training Step:
                55%|
                            | 55485/100000 [13:26<12:05, 61.35it/s]
Training Step:
                55%|
                            | 55492/100000 [13:26<12:15, 60.55it/s]
Training Step:
                            | 55499/100000 [13:26<12:19, 60.17it/s]
                55% I
Training Step:
                56%|
                            | 55506/100000 [13:26<12:24, 59.75it/s]
Training Step:
                56%|
                            | 55513/100000 [13:27<12:04, 61.36it/s]
Training Step:
                56%|
                            | 55520/100000 [13:27<12:16, 60.41it/s]
                            | 55527/100000 [13:27<12:18, 60.24it/s]
Training Step:
                56%|
Training Step:
                56%|
                            | 55534/100000 [13:27<12:34, 58.90it/s]
Training Step:
                            | 55540/100000 [13:27<12:47, 57.96it/s]
                56%|
Training Step:
                            | 55547/100000 [13:27<12:31, 59.14it/s]
                56%|
                            | 55553/100000 [13:27<12:34, 58.89it/s]
Training Step:
                56%|
                            | 55559/100000 [13:27<12:36, 58.71it/s]
Training Step:
                56%|
Training Step:
                56%1
                            | 55565/100000 [13:27<12:38, 58.58it/s]
                56%1
                            | 55571/100000 [13:28<12:37, 58.65it/s]
Training Step:
Training Step:
                56%|
                            | 55577/100000 [13:28<12:49, 57.69it/s]
Training Step:
                56%1
                            | 55583/100000 [13:28<12:44, 58.09it/s]
Training Step:
                            | 55589/100000 [13:28<12:47, 57.88it/s]
                56%|
Training Step:
                56%1
                            | 55595/100000 [13:28<12:58, 57.00it/s]
Training Step:
                56%|
                            | 55601/100000 [13:28<13:20, 55.47it/s]
                            | 55607/100000 [13:28<13:19, 55.50it/s]
Training Step:
                56%|
Training Step:
                56%|
                            | 55613/100000 [13:28<13:23, 55.21it/s]
Training Step:
                            | 55619/100000 [13:28<14:17, 51.74it/s]
                56%|
Training Step:
                56%|
                            | 55625/100000 [13:29<14:44, 50.18it/s]
                            | 55631/100000 [13:29<15:22, 48.08it/s]
Training Step:
                56%|
Training Step:
                56%1
                            | 55636/100000 [13:29<15:39, 47.24it/s]
Training Step:
                56%|
                            | 55641/100000 [13:29<15:51, 46.62it/s]
Training Step:
                            | 55646/100000 [13:29<16:03, 46.05it/s]
                56%|
Training Step:
                56%1
                            | 55651/100000 [13:29<16:04, 46.00it/s]
Training Step:
                            | 55656/100000 [13:29<16:22, 45.12it/s]
                56%|
                            | 55661/100000 [13:29<16:07, 45.82it/s]
Training Step:
                56%|
Training Step:
                56%1
                            | 55666/100000 [13:29<16:12, 45.59it/s]
Training Step:
                56%|
                            | 55671/100000 [13:30<16:44, 44.12it/s]
Training Step:
                            | 55676/100000 [13:30<16:51, 43.81it/s]
                56%|
Training Step:
                56%|
                            | 55681/100000 [13:30<16:51, 43.83it/s]
Training Step:
                56%|
                            | 55686/100000 [13:30<17:16, 42.75it/s]
Training Step:
                56%1
                            | 55691/100000 [13:30<17:04,
43.23it/s][INFO] Episode ended! Scenario Index: 1006 Reason:
out_of_road.
                            | 55696/100000 [13:30<19:13, 38.42it/s]
Training Step:
                56%|
Training Step:
                56%|
                            | 55704/100000 [13:30<15:18, 48.23it/s]
                            | 55712/100000 [13:30<13:16, 55.60it/s]
Training Step:
                56%|
Training Step:
                56%1
                            | 55719/100000 [13:30<12:36, 58.51it/s]
Training Step:
                56%|
                            | 55726/100000 [13:31<13:06, 56.27it/s]
Training Step:
                56%1
                            | 55732/100000 [13:31<13:29, 54.67it/s]
Training Step:
                56%1
                            | 55738/100000 [13:31<13:23, 55.06it/s]
```

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Training Step:
                            | 55744/100000 [13:31<13:38, 54.06it/s]
                56%|
Training Step:
                56%|
                            | 55750/100000 [13:31<13:49, 53.36it/s]
Training Step:
                56%1
                            | 55756/100000 [13:31<13:54, 53.00it/s]
Training Step:
                56%|
                            | 55762/100000 [13:31<13:49, 53.31it/s]
Training Step:
                            | 55768/100000 [13:31<13:46, 53.53it/s]
                56%1
Training Step:
                            | 55774/100000 [13:32<13:54, 52.98it/s]
                56%|
Training Step:
                56%|
                            | 55780/100000 [13:32<13:51, 53.15it/s]
Training Step:
                56%|
                            | 55786/100000 [13:32<13:56, 52.86it/s]
                            | 55792/100000 [13:32<13:59, 52.65it/s]
Training Step:
                56%|
Training Step:
                56%|
                            | 55798/100000 [13:32<14:12, 51.85it/s]
                            | 55804/100000 [13:32<14:15, 51.69it/s]
Training Step:
                56%|
                            | 55810/100000 [13:32<14:07, 52.16it/s]
Training Step:
                56%|
                            | 55816/100000 [13:32<13:55, 52.85it/s]
Training Step:
                56%|
                            | 55822/100000 [13:32<13:56, 52.79it/s]
Training Step:
                56%|
Training Step:
                56%1
                            | 55828/100000 [13:33<13:42,
53.73it/s][INFO] Episode ended! Scenario Index: 1012 Reason:
out_of_road.
```

| 55834/100000 [13:33<16:34, 44.39it/s] Training Step: 56%| Training Step: 56%1 | 55842/100000 [13:33<14:11, 51.84it/s] | 55850/100000 [13:33<12:48, 57.48it/s] Training Step: 56%| | 55858/100000 [13:33<11:58, 61.42it/s] Training Step: 56%| Training Step: 56%| | 55866/100000 [13:33<11:24, 64.46it/s] Training Step: | 55874/100000 [13:33<10:56, 67.19it/s] 56%| Training Step: 56%| | 55882/100000 [13:33<10:37, 69.18it/s] | 55890/100000 [13:34<10:33, 69.67it/s] Training Step: 56%| | 55898/100000 [13:34<10:26, 70.38it/s] Training Step: 56%1 | 55906/100000 [13:34<10:23, 70.70it/s] Training Step: 56%| | 55914/100000 [13:34<10:36, 69.25it/s] Training Step: 56%| Training Step: 56%1 | 55921/100000 [13:34<10:39, 68.89it/s] Training Step: | 55928/100000 [13:34<10:40, 68.82it/s] 56%| Training Step: 56%| | 55935/100000 [13:34<10:55, 67.25it/s] Training Step: 56%1 | 55942/100000 [13:34<12:12, 60.18it/s] Training Step: 56%| | 55949/100000 [13:34<12:08, 60.45it/s] Training Step: | 55956/100000 [13:35<12:10, 60.26it/s] 56%| | 55963/100000 [13:35<12:06, 60.60it/s] Training Step: 56%| | 55970/100000 [13:35<12:22, 59.30it/s] Training Step: 56%| Training Step: 56%| | 55976/100000 [13:35<12:20, 59.49it/s] Training Step: | 55983/100000 [13:35<12:12, 60.06it/s] 56%| Training Step: 56%| | 55990/100000 [13:35<12:21, 59.37it/s] Training Step: 56%| | 55996/100000 [13:35<12:35, 58.28it/s] Training Step: 56%1 | 56002/100000 [13:35<13:16, 55.27it/s] Training Step: 56%| | 56009/100000 [13:35<12:38, 57.98it/s] | 56016/100000 [13:36<12:23, 59.17it/s] Training Step: 56%| Training Step: 56%1 | 56023/100000 [13:36<11:59, 61.13it/s] Training Step: 56%| | 56030/100000 [13:36<11:58, 61.21it/s] Training Step: 56%1 | 56037/100000 [13:36<11:49, 61.93it/s] Training Step: 56%1 | 56044/100000 [13:36<11:53, 61.61it/s]

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Training Step:
                            | 56051/100000 [13:36<11:50, 61.87it/s]
                56%|
                            | 56058/100000 [13:36<12:01, 60.92it/s]
Training Step:
                56%|
Training Step:
                56%1
                            | 56065/100000 [13:36<11:50, 61.88it/s]
Training Step:
                56%|
                            | 56072/100000 [13:36<11:50, 61.79it/s]
Training Step:
                            | 56079/100000 [13:37<11:36, 63.08it/s]
                56%1
Training Step:
                            | 56086/100000 [13:37<11:47, 62.07it/s]
                56%|
Training Step:
                56%|
                            | 56093/100000 [13:37<11:47, 62.03it/s]
Training Step:
                56%|
                            | 56100/100000 [13:37<11:49, 61.84it/s]
                            | 56107/100000 [13:37<11:34, 63.21it/s]
Training Step:
                56%|
Training Step:
                56%|
                            | 56114/100000 [13:37<11:59, 61.02it/s]
Training Step:
                            | 56121/100000 [13:37<12:07, 60.34it/s]
                56%|
                            | 56128/100000 [13:37<12:20, 59.27it/s]
Training Step:
                56%|
                            | 56134/100000 [13:38<12:43, 57.48it/s]
Training Step:
                56%|
                            | 56140/100000 [13:38<13:00, 56.19it/s]
Training Step:
                56%|
Training Step:
                56%1
                            | 56146/100000 [13:38<13:00, 56.16it/s]
                            | 56152/100000 [13:38<14:04, 51.93it/s]
Training Step:
                56%|
Training Step:
                56%|
                            | 56158/100000 [13:38<15:43, 46.48it/s]
Training Step:
                56%1
                            | 56163/100000 [13:38<15:28, 47.22it/s]
Training Step:
                            | 56169/100000 [13:38<14:47, 49.37it/s]
                56%|
Training Step:
                56%1
                            | 56175/100000 [13:38<14:35, 50.07it/s]
Training Step:
                56%|
                            | 56182/100000 [13:38<13:55, 52.44it/s]
                            | 56188/100000 [13:39<13:35, 53.73it/s]
Training Step:
                56%|
Training Step:
                56%|
                            | 56194/100000 [13:39<13:18, 54.83it/s]
Training Step:
                            | 56200/100000 [13:39<13:06, 55.72it/s]
                56%|
Training Step:
                56%|
                            | 56206/100000 [13:39<13:01, 56.05it/s]
                            | 56212/100000 [13:39<12:54, 56.53it/s]
Training Step:
                56%|
Training Step:
                56%1
                            | 56218/100000 [13:39<12:41, 57.52it/s]
                            | 56225/100000 [13:39<12:08, 60.10it/s]
Training Step:
                56%|
                            | 56232/100000 [13:39<11:39, 62.60it/s]
Training Step:
                56%|
Training Step:
                56%1
                            | 56240/100000 [13:39<11:09, 65.39it/s]
                            | 56247/100000 [13:40<11:31, 63.26it/s]
Training Step:
                56%|
Training Step:
                56%|
                            | 56254/100000 [13:40<11:13, 64.97it/s]
Training Step:
                56%|
                            | 56262/100000 [13:40<10:51, 67.15it/s]
Training Step:
                56%|
                            | 56270/100000 [13:40<10:42, 68.09it/s]
Training Step:
                56%|
                            | 56279/100000 [13:40<10:05,
72.20it/s][INFO] Episode ended! Scenario Index: 1009 Reason:
arrive dest.
Training Step:
                            | 56287/100000 [13:40<11:51, 61.47it/s]
                56%|
Training Step:
                56%|
                            | 56294/100000 [13:40<11:54, 61.16it/s]
Training Step:
                56%|
                            | 56301/100000 [13:40<11:32, 63.09it/s]
Training Step:
                            | 56308/100000 [13:41<12:01, 60.58it/s]
                56%|
Training Step:
                56%|
                            | 56315/100000 [13:41<11:38, 62.55it/s]
                            | 56322/100000 [13:41<11:31, 63.20it/s]
Training Step:
                56%|
Training Step:
                56%1
                            | 56330/100000 [13:41<10:59, 66.18it/s]
Training Step:
                56%|
                            | 56337/100000 [13:41<11:06, 65.55it/s]
Training Step:
                56%1
                            | 56344/100000 [13:41<11:28, 63.39it/s]
Training Step:
                56%1
                            | 56352/100000 [13:41<11:08, 65.34it/s]
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Training Step:
                56%1
                            | 56375/100000 [13:41<10:40, 68.15it/s]
Training Step:
                56%|
                            | 56382/100000 [13:42<10:54, 66.62it/s]
Training Step:
                            | 56389/100000 [13:42<11:07, 65.37it/s]
                56%1
Training Step:
                56%|
                            | 56396/100000 [13:42<11:12, 64.85it/s]
Training Step:
                56%|
                            | 56403/100000 [13:42<11:08, 65.20it/s]
Training Step:
                56% l
                            | 56410/100000 [13:42<10:58, 66.18it/s]
Training Step:
                            | 56417/100000 [13:42<10:51, 66.89it/s]
                56%|
Training Step:
                56% l
                            | 56424/100000 [13:42<11:08,
65.15it/s][INFO] Episode ended! Scenario Index: 1014 Reason: crash
vehicle
Training Step:
                            | 56431/100000 [13:42<12:53, 56.30it/s]
                56%|
                            | 56439/100000 [13:43<11:52, 61.11it/s]
Training Step:
                56%|
                56%1
                            | 56447/100000 [13:43<11:02, 65.74it/s]
Training Step:
Training Step:
                56%|
                            | 56455/100000 [13:43<10:42, 67.78it/s]
Training Step:
                56%|
                            | 56462/100000 [13:43<12:05, 59.98it/s]
Training Step:
                            | 56469/100000 [13:43<13:46, 52.70it/s]
                56%|
Training Step:
                56% l
                            | 56475/100000 [13:43<14:59, 48.39it/s]
Training Step:
                56%|
                            | 56481/100000 [13:43<15:11, 47.75it/s]
                            | 56486/100000 [13:43<15:20, 47.28it/s]
Training Step:
                56%|
Training Step:
                56%|
                            | 56491/100000 [13:44<15:16, 47.48it/s]
Training Step:
                            | 56496/100000 [13:44<16:00, 45.31it/s]
                56%|
Training Step:
                57%|
                            | 56501/100000 [13:44<15:54, 45.58it/s]
                            | 56506/100000 [13:44<16:07, 44.96it/s]
Training Step:
                57%|
Training Step:
                57%|
                            | 56511/100000 [13:44<17:01,
42.55it/s][INFO] Episode ended! Scenario Index: 1012 Reason:
out_of_road.
Training Step:
                57%|
                            | 56516/100000 [13:44<24:12, 29.94it/s]
                            | 56521/100000 [13:44<21:33, 33.61it/s]
Training Step:
                57%|
Training Step:
                57%1
                            | 56526/100000 [13:45<20:19, 35.65it/s]
Training Step:
                57%|
                            | 56531/100000 [13:45<19:13, 37.67it/s]
Training Step:
                            | 56536/100000 [13:45<19:40, 36.82it/s]
                57%|
                            | 56540/100000 [13:45<19:41, 36.79it/s]
Training Step:
                57%|
                            | 56544/100000 [13:45<20:10, 35.89it/s]
Training Step:
                57%|
Training Step:
                57%1
                            | 56548/100000 [13:45<20:00, 36.20it/s]
Training Step:
                            | 56552/100000 [13:45<22:23, 32.35it/s]
                57%|
Training Step:
                57%|
                            | 56556/100000 [13:45<22:12, 32.60it/s]
Training Step:
                57%|
                            | 56560/100000 [13:46<22:16, 32.50it/s]
Training Step:
                            | 56564/100000 [13:46<22:37, 32.00it/s]
                57%|
Training Step:
                57%|
                            | 56568/100000 [13:46<22:01, 32.86it/s]
                            | 56572/100000 [13:46<22:28, 32.20it/s]
Training Step:
                57%|
                            | 56576/100000 [13:46<22:34, 32.07it/s]
Training Step:
                57%|
Training Step:
                57%|
                            | 56580/100000 [13:46<22:15, 32.50it/s]
Training Step:
                57%|
                            | 56584/100000 [13:46<23:04, 31.36it/s]
Training Step:
                57%|
                            | 56588/100000 [13:46<22:33, 32.07it/s]
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| 56360/100000 [13:41<10:44, 67.68it/s]

| 56368/100000 [13:41<10:44, 67.72it/s]

Training Step:

Training Step:

56%|

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Training Step:
                            | 56592/100000 [13:47<22:21, 32.35it/s]
                57%|
                            | 56596/100000 [13:47<21:07, 34.23it/s]
Training Step:
                57%|
Training Step:
                57%1
                            | 56600/100000 [13:47<20:19, 35.59it/s]
Training Step:
                57%|
                            | 56604/100000 [13:47<20:21, 35.53it/s]
Training Step:
                            | 56608/100000 [13:47<20:32, 35.21it/s]
                57%1
Training Step:
                57%|
                            | 56612/100000 [13:47<20:43, 34.90it/s]
Training Step:
                57%|
                            | 56616/100000 [13:47<20:47, 34.77it/s]
Training Step:
                57%|
                            | 56620/100000 [13:47<20:57, 34.51it/s]
                            | 56624/100000 [13:47<21:23, 33.80it/s]
Training Step:
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Training Step:
                57%|
                            | 56628/100000 [13:48<22:40, 31.89it/s]
                            | 56632/100000 [13:48<27:10, 26.60it/s]
Training Step:
                57%|
                            | 56635/100000 [13:48<26:31, 27.24it/s]
Training Step:
                57%|
                            | 56639/100000 [13:48<25:15, 28.61it/s]
Training Step:
                57%|
                            | 56643/100000 [13:48<23:54, 30.22it/s]
Training Step:
                57%|
                            | 56647/100000 [13:48<23:30, 30.74it/s]
Training Step:
                57%1
                            | 56651/100000 [13:48<23:36, 30.61it/s]
Training Step:
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Training Step:
                57%|
                            | 56655/100000 [13:49<24:36, 29.36it/s]
Training Step:
                57%1
                            | 56658/100000 [13:49<25:39, 28.15it/s]
Training Step:
                            | 56661/100000 [13:49<28:56, 24.96it/s]
                57%|
Training Step:
                57%1
                            | 56664/100000 [13:49<28:39, 25.20it/s]
Training Step:
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                            | 56667/100000 [13:49<27:59, 25.81it/s]
                            | 56670/100000 [13:49<27:25, 26.34it/s]
Training Step:
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Training Step:
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                            | 56673/100000 [13:49<26:35, 27.16it/s]
Training Step:
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Training Step:
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                            | 56683/100000 [13:50<27:22, 26.37it/s]
Training Step:
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Training Step:
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                            | 56689/100000 [13:50<28:33, 25.28it/s]
Training Step:
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                            | 56692/100000 [13:50<28:17, 25.51it/s]
Training Step:
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Training Step:
                57%1
                            | 56696/100000 [13:50<26:54, 26.82it/s]
Training Step:
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                            | 56700/100000 [13:50<25:44, 28.03it/s]
Training Step:
                57%|
                            | 56704/100000 [13:50<25:13, 28.60it/s]
Training Step:
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                            | 56708/100000 [13:51<24:57, 28.92it/s]
Training Step:
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                            | 56711/100000 [13:51<24:46, 29.11it/s]
Training Step:
                            | 56714/100000 [13:51<25:25, 28.38it/s]
                57%|
                            | 56717/100000 [13:51<25:57, 27.78it/s]
Training Step:
                57%|
Training Step:
                57%|
                            | 56720/100000 [13:51<26:18, 27.42it/s]
Training Step:
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                            | 56723/100000 [13:51<26:28, 27.24it/s]
Training Step:
                            | 56726/100000 [13:51<27:14, 26.48it/s]
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Training Step:
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                            | 56729/100000 [13:51<27:13, 26.50it/s]
Training Step:
                57%|
                            | 56732/100000 [13:51<27:24, 26.31it/s]
Training Step:
                57%1
                            | 56735/100000 [13:52<27:15, 26.45it/s]
Training Step:
                57%|
                            | 56738/100000 [13:52<27:52, 25.87it/s]
                            | 56741/100000 [13:52<27:35, 26.13it/s]
Training Step:
                57%|
                            | 56744/100000 [13:52<27:54, 25.83it/s]
Training Step:
                57%1
Training Step:
                57%|
                            | 56747/100000 [13:52<27:31, 26.20it/s]
Training Step:
                57%1
                            | 56750/100000 [13:52<29:08, 24.74it/s]
Training Step:
                57%1
                            | 56753/100000 [13:52<27:40, 26.05it/s]
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Training Step:
                            | 56756/100000 [13:52<27:56, 25.79it/s]
                57%|
                            | 56759/100000 [13:52<27:06, 26.58it/s]
Training Step:
                57%|
Training Step:
                57%|
                            | 56762/100000 [13:53<27:16, 26.43it/s]
Training Step:
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                            | 56765/100000 [13:53<26:21, 27.33it/s]
Training Step:
                            | 56769/100000 [13:53<24:53, 28.94it/s]
                57%1
Training Step:
                57%|
                            | 56772/100000 [13:53<24:47, 29.07it/s]
Training Step:
                57%|
                            | 56776/100000 [13:53<24:40, 29.19it/s]
Training Step:
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                            | 56780/100000 [13:53<24:37, 29.26it/s]
                            | 56783/100000 [13:53<24:46, 29.08it/s]
Training Step:
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Training Step:
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                            | 56786/100000 [13:53<25:19, 28.45it/s]
                            | 56789/100000 [13:54<25:03, 28.75it/s]
Training Step:
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                            | 56792/100000 [13:54<26:11, 27.49it/s]
Training Step:
                57%|
                            | 56795/100000 [13:54<25:37, 28.10it/s]
Training Step:
                57%|
                            | 56798/100000 [13:54<25:55, 27.78it/s]
Training Step:
                57%|
                            | 56801/100000 [13:54<26:07, 27.55it/s]
Training Step:
                57%1
                            | 56804/100000 [13:54<26:33, 27.10it/s]
Training Step:
                57%|
Training Step:
                57%|
                            | 56807/100000 [13:54<26:09, 27.52it/s]
Training Step:
                57%1
                            | 56810/100000 [13:54<26:30, 27.15it/s]
Training Step:
                            | 56813/100000 [13:54<26:28, 27.19it/s]
                57%|
Training Step:
                57%1
                            | 56816/100000 [13:55<26:26, 27.21it/s]
Training Step:
                57%|
                            | 56819/100000 [13:55<26:36, 27.04it/s]
                            | 56822/100000 [13:55<26:56, 26.71it/s]
Training Step:
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Training Step:
                57%1
                            | 56825/100000 [13:55<26:12, 27.46it/s]
Training Step:
                            | 56828/100000 [13:55<25:40, 28.02it/s]
                57%|
Training Step:
                57%|
                            | 56832/100000 [13:55<23:43, 30.32it/s]
                            | 56836/100000 [13:55<22:00, 32.68it/s]
Training Step:
                57%|
Training Step:
                57%1
                            | 56841/100000 [13:55<20:09, 35.69it/s]
Training Step:
                57%|
                            | 56845/100000 [13:55<19:36, 36.69it/s]
                            | 56849/100000 [13:55<19:16, 37.31it/s]
Training Step:
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Training Step:
                57%1
                            | 56853/100000 [13:56<19:45, 36.41it/s]
                            | 56857/100000 [13:56<20:14, 35.52it/s]
Training Step:
                57%|
Training Step:
                57%|
                            | 56861/100000 [13:56<19:56, 36.06it/s]
Training Step:
                57%|
                            | 56865/100000 [13:56<19:29, 36.87it/s]
Training Step:
                57%|
                            | 56869/100000 [13:56<19:05, 37.66it/s]
Training Step:
                            | 56874/100000 [13:56<18:35, 38.66it/s]
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Training Step:
                57%|
                            | 56878/100000 [13:56<18:40, 38.49it/s]
Training Step:
                57%|
                            | 56882/100000 [13:56<18:46, 38.27it/s]
Training Step:
                57%|
                            | 56887/100000 [13:56<18:06, 39.69it/s]
Training Step:
                            | 56892/100000 [13:57<17:53, 40.17it/s]
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Training Step:
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                            | 56897/100000 [13:57<17:51, 40.22it/s]
Training Step:
                57%|
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Training Step:
                57%1
                            | 56906/100000 [13:57<20:26, 35.15it/s]
Training Step:
                57%|
                            | 56910/100000 [13:57<20:44, 34.63it/s]
                            | 56914/100000 [13:57<20:15, 35.45it/s]
Training Step:
                57%|
Training Step:
                57%1
                            | 56918/100000 [13:57<20:00, 35.89it/s]
Training Step:
                57%|
                            | 56922/100000 [13:57<20:17, 35.38it/s]
Training Step:
                57%|
                            | 56926/100000 [13:58<20:42, 34.67it/s]
Training Step:
                57%1
                            | 56930/100000 [13:58<20:28, 35.06it/s]
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Training Step:
                            | 56934/100000 [13:58<20:37, 34.80it/s]
                57%|
                            | 56938/100000 [13:58<21:57, 32.68it/s]
Training Step:
                57%|
Training Step:
                57%1
                            | 56942/100000 [13:58<21:46, 32.95it/s]
Training Step:
                57%|
                            | 56946/100000 [13:58<21:19, 33.65it/s]
Training Step:
                            | 56950/100000 [13:58<20:21, 35.23it/s]
                57%1
Training Step:
                57%|
                            | 56955/100000 [13:58<19:01, 37.72it/s]
Training Step:
                57%|
                            | 56960/100000 [13:59<18:36, 38.55it/s]
Training Step:
                57%1
                            | 56965/100000 [13:59<17:41, 40.53it/s]
                            | 56970/100000 [13:59<17:29, 40.99it/s]
Training Step:
                57%|
Training Step:
                57%|
                            | 56975/100000 [13:59<16:43, 42.88it/s]
                            | 56980/100000 [13:59<16:54, 42.42it/s]
Training Step:
                57%|
                            | 56985/100000 [13:59<16:59, 42.19it/s]
Training Step:
                57%|
                            | 56990/100000 [13:59<16:47, 42.71it/s]
Training Step:
                57%|
                            | 56995/100000 [13:59<16:29, 43.46it/s]
Training Step:
                57%|
                            | 57000/100000 [13:59<16:34, 43.24it/s]
Training Step:
                57%|
                            | 57005/100000 [14:00<15:59, 44.83it/s]
Training Step:
                57%|
Training Step:
                57%|
                            | 57010/100000 [14:00<16:00, 44.77it/s]
Training Step:
                57%|
                            | 57015/100000 [14:00<16:08, 44.38it/s]
Training Step:
                            | 57020/100000 [14:00<16:30, 43.41it/s]
                57%|
Training Step:
                57%1
                            | 57026/100000 [14:00<16:00, 44.75it/s]
                            | 57031/100000 [14:00<16:54,
Training Step:
                57%1
42.37it/s][INFO] Episode ended! Scenario Index: 1003 Reason: crash
vehicle
Training Step:
                57%|
                            | 57036/100000 [14:00<21:22, 33.51it/s]
                            | 57042/100000 [14:00<18:34, 38.54it/s]
Training Step:
                57%|
                57%1
                            | 57048/100000 [14:01<16:32, 43.26it/s]
Training Step:
                            | 57054/100000 [14:01<15:09, 47.20it/s]
Training Step:
                57%|
                            | 57060/100000 [14:01<14:31, 49.26it/s]
Training Step:
                57%|
Training Step:
                57%1
                            | 57066/100000 [14:01<14:21, 49.86it/s]
                            | 57072/100000 [14:01<14:33, 49.16it/s]
Training Step:
                57%|
Training Step:
                57%1
                            | 57078/100000 [14:01<14:50, 48.20it/s]
Training Step:
                57%|
                            | 57083/100000 [14:01<14:46, 48.42it/s]
Training Step:
                57%|
                            | 57088/100000 [14:01<15:11, 47.07it/s]
Training Step:
                            | 57093/100000 [14:01<15:05, 47.40it/s]
                57%|
Training Step:
                57%|
                            | 57098/100000 [14:02<15:11, 47.08it/s]
                            | 57104/100000 [14:02<14:53, 48.00it/s]
Training Step:
                57%|
Training Step:
                57%1
                            | 57109/100000 [14:02<16:20, 43.76it/s]
Training Step:
                            | 57114/100000 [14:02<18:10, 39.33it/s]
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Training Step:
                57%1
                            | 57119/100000 [14:02<17:22, 41.13it/s]
Training Step:
                57%|
                            | 57124/100000 [14:02<16:57,
42.16it/s][INFO] Episode ended! Scenario Index: 1000 Reason: crash
vehicle
Training Step:
                57%|
                            | 57129/100000 [14:02<21:01, 33.99it/s]
Training Step:
                57%|
                            | 57135/100000 [14:03<18:11, 39.27it/s]
Training Step:
                57%|
                            | 57141/100000 [14:03<16:41, 42.79it/s]
Training Step:
                57%|
                            | 57147/100000 [14:03<15:35, 45.82it/s]
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Training Step:
                            | 57153/100000 [14:03<15:04, 47.39it/s]
                57%|
Training Step:
                57%|
                            | 57158/100000 [14:03<15:32, 45.92it/s]
Training Step:
                57%|
                            | 57163/100000 [14:03<15:16, 46.74it/s]
Training Step:
                57%|
                            | 57168/100000 [14:03<15:35, 45.76it/s]
Training Step:
                            | 57173/100000 [14:03<15:15, 46.79it/s]
                57%1
Training Step:
                57%|
                            | 57178/100000 [14:03<17:05, 41.75it/s]
Training Step:
                57%|
                            | 57183/100000 [14:04<16:57, 42.08it/s]
Training Step:
                57%|
                            | 57188/100000 [14:04<16:50, 42.36it/s]
                            | 57193/100000 [14:04<16:12, 44.03it/s]
Training Step:
                57%|
Training Step:
                57%|
                            | 57198/100000 [14:04<16:00, 44.56it/s]
                            | 57203/100000 [14:04<15:49, 45.07it/s]
Training Step:
                57%|
Training Step:
                            | 57208/100000 [14:04<15:52, 44.94it/s]
                57%|
                            | 57213/100000 [14:04<15:28, 46.09it/s]
Training Step:
                57%|
                            | 57218/100000 [14:04<15:19, 46.54it/s]
Training Step:
                57%|
                            | 57223/100000 [14:04<15:07, 47.12it/s]
Training Step:
                57%1
                            | 57228/100000 [14:05<15:27, 46.09it/s]
Training Step:
                57%|
Training Step:
                57%|
                            | 57234/100000 [14:05<15:12, 46.84it/s]
Training Step:
                57%1
                            | 57240/100000 [14:05<15:05, 47.24it/s]
Training Step:
                            | 57246/100000 [14:05<14:40, 48.58it/s]
                57%|
Training Step:
                57%1
                            | 57252/100000 [14:05<14:47, 48.16it/s]
                            | 57257/100000 [14:05<14:38, 48.64it/s]
Training Step:
                57%|
                            | 57262/100000 [14:05<14:46, 48.22it/s]
Training Step:
                57%|
Training Step:
                57%|
                            | 57268/100000 [14:05<14:37, 48.68it/s]
Training Step:
                            | 57274/100000 [14:06<14:37, 48.70it/s]
                57%|
Training Step:
                57%|
                            | 57279/100000 [14:06<14:33, 48.92it/s]
                            | 57284/100000 [14:06<14:42, 48.42it/s]
Training Step:
                57%|
Training Step:
                57%1
                            | 57289/100000 [14:06<15:11, 46.86it/s]
                            | 57294/100000 [14:06<16:07, 44.16it/s]
Training Step:
                57%|
                            | 57299/100000 [14:06<15:43, 45.24it/s]
Training Step:
                57%|
Training Step:
                57%1
                            | 57304/100000 [14:06<15:52, 44.83it/s]
Training Step:
                            | 57309/100000 [14:06<16:03, 44.30it/s]
                57%|
Training Step:
                57%|
                            | 57314/100000 [14:06<16:16, 43.71it/s]
Training Step:
                57%1
                            | 57319/100000 [14:07<15:44, 45.17it/s]
Training Step:
                57%|
                            | 57324/100000 [14:07<15:50, 44.89it/s]
Training Step:
                            | 57329/100000 [14:07<15:24, 46.18it/s]
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Training Step:
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                            | 57334/100000 [14:07<15:18, 46.47it/s]
                            | 57340/100000 [14:07<15:05, 47.10it/s]
Training Step:
                57%|
Training Step:
                57%|
                            | 57345/100000 [14:07<15:17, 46.49it/s]
Training Step:
                            | 57350/100000 [14:07<15:48, 44.98it/s]
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Training Step:
                57%|
                            | 57355/100000 [14:07<15:52, 44.76it/s]
Training Step:
                57%|
                            | 57360/100000 [14:07<16:26, 43.24it/s]
Training Step:
                57%1
                            | 57365/100000 [14:08<16:30, 43.03it/s]
Training Step:
                57%|
                            | 57370/100000 [14:08<17:35, 40.38it/s]
                            | 57375/100000 [14:08<17:56, 39.60it/s]
Training Step:
                57%|
Training Step:
                57%|
                            | 57380/100000 [14:08<18:08, 39.16it/s]
Training Step:
                57%|
                            | 57384/100000 [14:08<18:14, 38.92it/s]
Training Step:
                57%|
                            | 57389/100000 [14:08<17:43, 40.08it/s]
Training Step:
                57%1
                            | 57394/100000 [14:08<18:36, 38.16it/s]
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Training Step:
                            | 57398/100000 [14:08<18:25, 38.53it/s]
                57%|
Training Step:
                57%|
                            | 57403/100000 [14:09<17:59, 39.47it/s]
Training Step:
                57%|
                            | 57407/100000 [14:09<18:32, 38.30it/s]
Training Step:
                57%|
                            | 57411/100000 [14:09<19:16, 36.83it/s]
Training Step:
                            | 57415/100000 [14:09<19:38, 36.14it/s]
                57%|
Training Step:
                57%|
                            | 57419/100000 [14:09<19:11, 36.97it/s]
Training Step:
                57%|
                            | 57424/100000 [14:09<18:36, 38.14it/s]
Training Step:
                57%|
                            | 57429/100000 [14:09<18:05, 39.22it/s]
                            | 57433/100000 [14:09<18:31, 38.30it/s]
Training Step:
                57%|
Training Step:
                57%|
                            | 57437/100000 [14:09<18:41, 37.94it/s]
                            | 57441/100000 [14:10<19:10, 36.98it/s]
Training Step:
                57%|
Training Step:
                            | 57446/100000 [14:10<18:39, 38.00it/s]
                57%|
                            | 57451/100000 [14:10<17:47, 39.85it/s]
Training Step:
                57%|
                            | 57456/100000 [14:10<17:35, 40.31it/s]
Training Step:
                57%|
Training Step:
                57%1
                            | 57461/100000 [14:10<17:02, 41.61it/s]
                            | 57466/100000 [14:10<17:01, 41.63it/s]
Training Step:
                57%|
Training Step:
                57%|
                            | 57471/100000 [14:10<17:13, 41.14it/s]
Training Step:
                57%1
                            | 57476/100000 [14:10<17:21, 40.83it/s]
Training Step:
                            | 57481/100000 [14:11<17:02, 41.59it/s]
                57%|
Training Step:
                57%1
                            | 57486/100000 [14:11<17:22, 40.80it/s]
                            | 57491/100000 [14:11<17:15, 41.05it/s]
Training Step:
                57%|
                            | 57496/100000 [14:11<17:38, 40.17it/s]
Training Step:
                57%|
Training Step:
                58%|
                            | 57501/100000 [14:11<16:55, 41.85it/s]
Training Step:
                            | 57506/100000 [14:11<16:51, 42.02it/s]
                58%|
Training Step:
                58%|
                            | 57511/100000 [14:11<16:30, 42.89it/s]
                            | 57516/100000 [14:11<16:49, 42.08it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 57521/100000 [14:11<16:29, 42.93it/s]
Training Step:
                58%|
                            | 57526/100000 [14:12<16:17, 43.45it/s]
                            | 57532/100000 [14:12<15:29, 45.67it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 57538/100000 [14:12<15:08, 46.76it/s]
Training Step:
                58%|
                            | 57544/100000 [14:12<14:44, 47.99it/s]
Training Step:
                58%|
                            | 57550/100000 [14:12<14:29, 48.85it/s]
Training Step:
                58%|
                            | 57555/100000 [14:12<14:39, 48.25it/s]
Training Step:
                58%|
                            | 57560/100000 [14:12<14:45, 47.95it/s]
Training Step:
                            | 57566/100000 [14:12<14:40, 48.21it/s]
                58%|
Training Step:
                58%|
                            | 57572/100000 [14:13<14:34, 48.49it/s]
Training Step:
                58%|
                            | 57578/100000 [14:13<14:19, 49.33it/s]
Training Step:
                58%|
                            | 57584/100000 [14:13<14:05, 50.17it/s]
Training Step:
                            | 57590/100000 [14:13<13:46, 51.30it/s]
                58%|
Training Step:
                58%|
                            | 57596/100000 [14:13<13:59, 50.51it/s]
Training Step:
                58%|
                            | 57602/100000 [14:13<13:55, 50.74it/s]
Training Step:
                58%|
                            | 57608/100000 [14:13<13:31, 52.24it/s]
Training Step:
                58%|
                            | 57614/100000 [14:13<14:07, 49.99it/s]
                            | 57620/100000 [14:13<14:05, 50.14it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 57626/100000 [14:14<14:25, 48.98it/s]
Training Step:
                58%|
                            | 57632/100000 [14:14<14:04, 50.15it/s]
Training Step:
                58%|
                            | 57638/100000 [14:14<14:18, 49.36it/s]
Training Step:
                58%|
                            | 57644/100000 [14:14<13:55, 50.68it/s]
```

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Training Step:
                            | 57650/100000 [14:14<13:25, 52.60it/s]
                58%|
Training Step:
                58%|
                            | 57656/100000 [14:14<13:05, 53.89it/s]
Training Step:
                58%|
                            | 57663/100000 [14:14<12:31, 56.33it/s]
Training Step:
                58%|
                            | 57670/100000 [14:14<12:21, 57.11it/s]
Training Step:
                            | 57677/100000 [14:14<11:47, 59.82it/s]
                58% l
Training Step:
                58%|
                            | 57684/100000 [14:15<11:51, 59.50it/s]
Training Step:
                58%|
                            | 57690/100000 [14:15<11:52,
59.40it/s][INFO] Episode ended! Scenario Index: 1007 Reason:
arrive dest.
Training Step:
                58%|
                            | 57697/100000 [14:15<13:40, 51.53it/s]
                            | 57704/100000 [14:15<12:35, 55.99it/s]
Training Step:
                58%|
                            | 57712/100000 [14:15<11:56, 59.03it/s]
Training Step:
                58%|
                            | 57719/100000 [14:15<11:33, 60.94it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 57726/100000 [14:15<11:28, 61.40it/s]
                58%|
                            | 57734/100000 [14:15<11:02, 63.84it/s]
Training Step:
Training Step:
                58%|
                            | 57741/100000 [14:16<10:50, 65.01it/s]
Training Step:
                58%|
                            | 57748/100000 [14:16<10:59, 64.08it/s]
Training Step:
                            | 57755/100000 [14:16<10:53, 64.64it/s]
                58%|
Training Step:
                58% l
                            | 57762/100000 [14:16<11:03, 63.65it/s]
Training Step:
                            | 57769/100000 [14:16<11:30, 61.16it/s]
                58%|
                            | 57776/100000 [14:16<11:36, 60.60it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 57783/100000 [14:16<11:33, 60.84it/s]
Training Step:
                            | 57790/100000 [14:16<12:09, 57.84it/s]
                58%|
Training Step:
                58%|
                            | 57796/100000 [14:16<12:08, 57.94it/s]
                            | 57802/100000 [14:17<12:25, 56.57it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 57808/100000 [14:17<12:43, 55.25it/s]
                            | 57814/100000 [14:17<12:32, 56.09it/s]
Training Step:
                58%|
                            | 57820/100000 [14:17<12:56, 54.31it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 57826/100000 [14:17<12:54, 54.44it/s]
                58%|
                            | 57832/100000 [14:17<12:56, 54.33it/s]
Training Step:
Training Step:
                58%|
                            | 57838/100000 [14:17<13:05, 53.65it/s]
Training Step:
                58%|
                            | 57844/100000 [14:17<12:55,
54.34it/s][INFO] Episode ended! Scenario Index: 1019 Reason: crash
vehicle
Training Step:
                58%|
                            | 57850/100000 [14:18<15:42, 44.73it/s]
Training Step:
                58%|
                            | 57857/100000 [14:18<13:54, 50.48it/s]
Training Step:
                            | 57864/100000 [14:18<12:50, 54.69it/s]
                58%|
Training Step:
                58%|
                            | 57871/100000 [14:18<12:04, 58.13it/s]
Training Step:
                58%|
                            | 57878/100000 [14:18<12:45, 55.01it/s]
Training Step:
                58%|
                            | 57884/100000 [14:18<13:06, 53.58it/s]
Training Step:
                58%|
                            | 57890/100000 [14:18<13:17, 52.78it/s]
                            | 57896/100000 [14:18<13:25, 52.26it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 57902/100000 [14:18<13:30, 51.95it/s]
Training Step:
                58%|
                            | 57908/100000 [14:19<13:18, 52.71it/s]
Training Step:
                58%|
                            | 57914/100000 [14:19<13:22, 52.41it/s]
Training Step:
                58%|
                            | 57920/100000 [14:19<13:27, 52.14it/s]
```

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Training Step:
                            | 57926/100000 [14:19<14:04, 49.83it/s]
                58%|
                            | 57932/100000 [14:19<13:59, 50.13it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 57938/100000 [14:19<14:24, 48.66it/s]
Training Step:
                58%|
                            | 57943/100000 [14:19<14:20, 48.86it/s]
Training Step:
                            | 57948/100000 [14:19<14:29, 48.39it/s]
                58%1
Training Step:
                58%|
                            | 57954/100000 [14:20<14:24, 48.64it/s]
Training Step:
                58%|
                            | 57960/100000 [14:20<14:12, 49.29it/s]
Training Step:
                58%|
                            | 57966/100000 [14:20<13:52, 50.47it/s]
                            | 57972/100000 [14:20<13:44, 51.00it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 57978/100000 [14:20<13:27, 52.02it/s]
                            | 57984/100000 [14:20<13:39, 51.26it/s]
Training Step:
                58%|
Training Step:
                            | 57990/100000 [14:20<13:39, 51.27it/s]
                58%|
                            | 57996/100000 [14:20<13:53, 50.39it/s]
Training Step:
                58%|
                            | 58002/100000 [14:20<14:33, 48.09it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 58008/100000 [14:21<14:16, 49.02it/s]
Training Step:
                58%|
                            | 58014/100000 [14:21<14:03, 49.77it/s]
Training Step:
                58%|
                            | 58020/100000 [14:21<14:00, 49.96it/s]
Training Step:
                58%|
                            | 58026/100000 [14:21<13:45, 50.86it/s]
Training Step:
                            | 58032/100000 [14:21<13:38, 51.25it/s]
                58%|
Training Step:
                58%1
                            | 58038/100000 [14:21<13:37, 51.32it/s]
                            | 58044/100000 [14:21<13:36, 51.37it/s]
Training Step:
                58%|
                            | 58050/100000 [14:21<13:43, 50.96it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 58056/100000 [14:22<13:43, 50.91it/s]
Training Step:
                            | 58062/100000 [14:22<14:36, 47.85it/s]
                58%|
Training Step:
                58%|
                            | 58067/100000 [14:22<15:01, 46.50it/s]
                            | 58072/100000 [14:22<15:46, 44.31it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 58077/100000 [14:22<15:49, 44.15it/s]
Training Step:
                58%|
                            | 58082/100000 [14:22<15:55, 43.86it/s]
                            | 58087/100000 [14:22<15:50, 44.10it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 58092/100000 [14:22<15:46, 44.28it/s]
Training Step:
                58%|
                            | 58097/100000 [14:22<15:31, 44.98it/s]
Training Step:
                58%|
                            | 58102/100000 [14:23<15:48, 44.18it/s]
Training Step:
                58%|
                            | 58107/100000 [14:23<15:40, 44.55it/s]
Training Step:
                58%|
                            | 58112/100000 [14:23<15:42, 44.46it/s]
Training Step:
                            | 58117/100000 [14:23<16:03, 43.47it/s]
                58%|
Training Step:
                58%|
                            | 58122/100000 [14:23<16:13, 43.03it/s]
                            | 58127/100000 [14:23<15:45, 44.31it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 58132/100000 [14:23<16:38, 41.95it/s]
Training Step:
                            | 58137/100000 [14:23<16:27, 42.40it/s]
                58%|
Training Step:
                58%|
                            | 58142/100000 [14:24<16:47, 41.55it/s]
Training Step:
                58%|
                            | 58147/100000 [14:24<16:44, 41.69it/s]
Training Step:
                58%|
                            | 58152/100000 [14:24<17:25, 40.02it/s]
Training Step:
                58%|
                            | 58157/100000 [14:24<16:40, 41.82it/s]
                            | 58162/100000 [14:24<16:28, 42.31it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 58167/100000 [14:24<16:13, 42.98it/s]
Training Step:
                58%|
                            | 58172/100000 [14:24<16:19, 42.69it/s]
                            | 58177/100000 [14:24<15:49, 44.06it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 58182/100000 [14:24<15:54, 43.80it/s]
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Training Step:
                            | 58187/100000 [14:25<15:56, 43.71it/s]
                58%|
Training Step:
                58%|
                            | 58192/100000 [14:25<16:05, 43.30it/s]
Training Step:
                58%|
                            | 58197/100000 [14:25<15:56, 43.71it/s]
Training Step:
                58%|
                            | 58202/100000 [14:25<15:53, 43.85it/s]
Training Step:
                            | 58207/100000 [14:25<15:49, 44.00it/s]
                58%1
Training Step:
                58%|
                            | 58212/100000 [14:25<15:50, 43.96it/s]
Training Step:
                58%|
                            | 58217/100000 [14:25<15:36, 44.63it/s]
Training Step:
                58%|
                            | 58222/100000 [14:25<15:25, 45.12it/s]
                            | 58227/100000 [14:25<15:03, 46.22it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 58232/100000 [14:26<15:18, 45.49it/s]
Training Step:
                            | 58237/100000 [14:26<15:03, 46.23it/s]
                58%|
Training Step:
                            | 58242/100000 [14:26<15:27, 45.02it/s]
                58%|
                            | 58247/100000 [14:26<15:17, 45.49it/s]
Training Step:
                58%|
                            | 58252/100000 [14:26<15:28, 44.95it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 58258/100000 [14:26<14:56, 46.55it/s]
                58%|
                            | 58264/100000 [14:26<14:29, 48.00it/s]
Training Step:
Training Step:
                58%|
                            | 58270/100000 [14:26<14:20, 48.49it/s]
Training Step:
                58%|
                            | 58276/100000 [14:27<14:07, 49.24it/s]
                            | 58282/100000 [14:27<14:07, 49.23it/s]
Training Step:
                58%|
Training Step:
                58%1
                            | 58287/100000 [14:27<14:03, 49.44it/s]
Training Step:
                58%|
                            | 58293/100000 [14:27<13:40, 50.81it/s]
                            | 58299/100000 [14:27<13:25, 51.79it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 58305/100000 [14:27<13:30, 51.46it/s]
Training Step:
                            | 58311/100000 [14:27<13:33, 51.27it/s]
                58%|
Training Step:
                58%|
                            | 58317/100000 [14:27<13:51, 50.10it/s]
                            | 58323/100000 [14:27<13:52, 50.08it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 58329/100000 [14:28<13:23, 51.89it/s]
Training Step:
                58%|
                            | 58335/100000 [14:28<13:21, 51.97it/s]
                            | 58341/100000 [14:28<13:18, 52.17it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 58347/100000 [14:28<13:10, 52.72it/s]
Training Step:
                58%|
                            | 58353/100000 [14:28<12:51, 53.99it/s]
Training Step:
                58%|
                            | 58359/100000 [14:28<13:12, 52.57it/s]
Training Step:
                58%|
                            | 58365/100000 [14:28<12:58, 53.49it/s]
Training Step:
                58%|
                            | 58371/100000 [14:28<12:34, 55.14it/s]
Training Step:
                            | 58377/100000 [14:28<12:16, 56.51it/s]
                58%|
Training Step:
                58%|
                            | 58384/100000 [14:29<12:02, 57.58it/s]
Training Step:
                58%|
                            | 58391/100000 [14:29<11:40, 59.40it/s]
Training Step:
                58%1
                            | 58397/100000 [14:29<11:50, 58.59it/s]
                            | 58404/100000 [14:29<11:35,
Training Step:
                58%|
59.79it/s][INFO] Episode ended! Scenario Index: 1007 Reason:
arrive_dest.
Training Step:
                58%|
                            | 58410/100000 [14:29<13:57, 49.65it/s]
Training Step:
                            | 58417/100000 [14:29<12:49, 54.06it/s]
                58%|
Training Step:
                58%|
                            | 58424/100000 [14:29<12:12, 56.74it/s]
Training Step:
                58%|
                            | 58430/100000 [14:29<12:01, 57.61it/s]
Training Step:
                58%|
                            | 58436/100000 [14:29<12:24, 55.81it/s]
Training Step:
                58%|
                            | 58442/100000 [14:30<13:35, 50.95it/s]
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Training Step:
                            | 58448/100000 [14:30<13:54, 49.81it/s]
                58%|
Training Step:
                58%|
                            | 58454/100000 [14:30<13:57, 49.63it/s]
Training Step:
                58%|
                            | 58460/100000 [14:30<14:30, 47.74it/s]
Training Step:
                58%|
                            | 58465/100000 [14:30<14:56, 46.33it/s]
Training Step:
                            | 58470/100000 [14:30<15:10, 45.63it/s]
                58%1
Training Step:
                58%|
                            | 58475/100000 [14:30<15:20, 45.12it/s]
Training Step:
                58%|
                            | 58480/100000 [14:30<17:23, 39.78it/s]
Training Step:
                58%|
                            | 58485/100000 [14:31<17:00, 40.69it/s]
                            | 58490/100000 [14:31<16:33, 41.77it/s]
Training Step:
                58%|
Training Step:
                58%|
                            | 58495/100000 [14:31<16:46, 41.23it/s]
                            | 58500/100000 [14:31<16:23, 42.19it/s]
Training Step:
                58%|
                            | 58505/100000 [14:31<16:19, 42.35it/s]
Training Step:
                59%|
Training Step:
                59%|
                            | 58510/100000 [14:31<15:52, 43.57it/s]
Training Step:
                59%|
                            | 58515/100000 [14:31<15:40, 44.11it/s]
Training Step:
                59%|
                            | 58520/100000 [14:31<16:16,
42.47it/s][INFO] Episode ended! Scenario Index: 1012 Reason:
out_of_road.
```

| 58525/100000 [14:32<18:36, 37.15it/s] Training Step: 59%| Training Step: 59%1 | 58532/100000 [14:32<15:56, 43.33it/s] Training Step: 59%| | 58538/100000 [14:32<14:35, 47.34it/s] | 58545/100000 [14:32<13:12, 52.31it/s] Training Step: 59%| Training Step: 59%| | 58551/100000 [14:32<13:08, 52.54it/s] Training Step: | 58557/100000 [14:32<13:41, 50.46it/s] 59%| Training Step: 59%| | 58563/100000 [14:32<13:22, 51.61it/s] | 58569/100000 [14:32<13:09, 52.46it/s] Training Step: 59%| Training Step: 59%| | 58575/100000 [14:32<12:40, 54.51it/s] Training Step: 59%| | 58581/100000 [14:33<12:28, 55.33it/s] | 58587/100000 [14:33<12:34, 54.89it/s] Training Step: 59%| Training Step: 59%| | 58593/100000 [14:33<12:41, 54.38it/s] 59%| | 58599/100000 [14:33<12:39, 54.52it/s] Training Step: Training Step: 59%| | 58605/100000 [14:33<13:05, 52.71it/s] Training Step: 59%| | 58611/100000 [14:33<13:13, 52.14it/s] Training Step: 59%| | 58617/100000 [14:33<12:43, 54.17it/s] | 58623/100000 [14:33<12:38, 54.55it/s] Training Step: 59%| Training Step: 59%| | 58629/100000 [14:33<12:48, 53.83it/s] | 58635/100000 [14:34<12:51, 53.62it/s] Training Step: 59%| Training Step: 59%| | 58641/100000 [14:34<12:57, 53.18it/s] Training Step: | 58647/100000 [14:34<12:37, 54.61it/s] 59%| Training Step: 59%| | 58653/100000 [14:34<12:27, 55.34it/s] Training Step: 59%| | 58659/100000 [14:34<12:38, 54.50it/s] Training Step: 59%| | 58665/100000 [14:34<12:54, 53.35it/s] Training Step: 59%| | 58671/100000 [14:34<13:08, 52.43it/s] | 58677/100000 [14:34<13:25, 51.28it/s] Training Step: 59%| Training Step: 59%| | 58683/100000 [14:35<13:02, 52.77it/s] Training Step: 59%| | 58689/100000 [14:35<12:40, 54.30it/s] Training Step: 59%| | 58695/100000 [14:35<12:21, 55.74it/s] Training Step: 59%| | 58701/100000 [14:35<12:30, 55.06it/s]

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Training Step:
                            | 58707/100000 [14:35<12:24, 55.43it/s]
                59%
Training Step:
                59%|
                            | 58713/100000 [14:35<13:38, 50.43it/s]
Training Step:
                59%|
                            | 58719/100000 [14:35<14:54, 46.12it/s]
Training Step:
                59%|
                            | 58724/100000 [14:35<16:20, 42.08it/s]
Training Step:
                            | 58729/100000 [14:36<16:43, 41.12it/s]
                59%1
Training Step:
                            | 58734/100000 [14:36<17:07, 40.15it/s]
                59%|
Training Step:
                59%|
                            | 58739/100000 [14:36<17:22, 39.56it/s]
Training Step:
                59%|
                            | 58743/100000 [14:36<18:08, 37.91it/s]
                            | 58747/100000 [14:36<18:47, 36.60it/s]
Training Step:
                59%|
Training Step:
                59%|
                            | 58751/100000 [14:36<18:54, 36.36it/s]
                            | 58755/100000 [14:36<18:48, 36.54it/s]
Training Step:
                59%|
                            | 58759/100000 [14:36<18:58, 36.21it/s]
Training Step:
                59%
                            | 58764/100000 [14:36<18:32, 37.08it/s]
Training Step:
                59%|
                            | 58768/100000 [14:37<18:12, 37.75it/s]
Training Step:
                59%
                            | 58773/100000 [14:37<17:37, 38.98it/s]
Training Step:
                59%|
                59%|
                            | 58778/100000 [14:37<17:39, 38.91it/s]
Training Step:
Training Step:
                59%|
                            | 58782/100000 [14:37<18:29, 37.14it/s]
Training Step:
                59%|
                            | 58786/100000 [14:37<18:45, 36.62it/s]
Training Step:
                59%|
                            | 58791/100000 [14:37<18:01, 38.09it/s]
Training Step:
                59%1
                            | 58795/100000 [14:37<17:47, 38.59it/s]
Training Step:
                59%|
                            | 58800/100000 [14:37<17:13,
39.87it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
out_of_road.
```

Training Step: 59%| | 58805/100000 [14:38<19:35, 35.05it/s] | 58812/100000 [14:38<16:02, 42.78it/s] Training Step: 59%| 59%| | 58819/100000 [14:38<13:49, 49.62it/s] Training Step: Training Step: 59%| | 58826/100000 [14:38<13:09, 52.18it/s] | 58832/100000 [14:38<14:31, 47.25it/s] Training Step: 59% Training Step: 59% | 58838/100000 [14:38<14:19, 47.91it/s] 59% | 58843/100000 [14:38<14:16, 48.08it/s] Training Step: Training Step: 59%| | 58849/100000 [14:38<13:42, 50.03it/s] Training Step: 59% | 58855/100000 [14:38<13:21, 51.33it/s] Training Step: 59%| | 58861/100000 [14:39<13:11, 51.99it/s] | 58867/100000 [14:39<12:45, 53.74it/s] Training Step: 59%| | 58873/100000 [14:39<12:27, 55.03it/s] Training Step: 59%| Training Step: 59%| | 58879/100000 [14:39<12:10, 56.28it/s] Training Step: 59%| | 58885/100000 [14:39<12:17, 55.74it/s] Training Step: | 58891/100000 [14:39<12:09, 56.32it/s] 59%| Training Step: 59%| | 58897/100000 [14:39<12:13, 56.04it/s] Training Step: 59%| | 58904/100000 [14:39<11:56, 57.39it/s] Training Step: 59% | 58910/100000 [14:39<12:25, 55.09it/s] Training Step: 59%| | 58916/100000 [14:40<13:05, 52.30it/s] | 58922/100000 [14:40<13:04, 52.39it/s] Training Step: 59% Training Step: 59% | 58928/100000 [14:40<12:54, 53.01it/s] Training Step: 59% | 58934/100000 [14:40<12:37, 54.18it/s] | 58940/100000 [14:40<12:50, 53.28it/s] Training Step: 59%| Training Step: 59% | 58946/100000 [14:40<12:57, 52.81it/s]

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Training Step:
                            | 58952/100000 [14:40<13:02, 52.48it/s]
                59%|
                            | 58958/100000 [14:40<13:17, 51.44it/s]
Training Step:
                59%|
Training Step:
                59%|
                            | 58964/100000 [14:41<13:38, 50.11it/s]
Training Step:
                59%|
                            | 58970/100000 [14:41<13:35, 50.33it/s]
Training Step:
                59%1
                            | 58976/100000 [14:41<14:03,
48.64it/s][INFO] Episode ended! Scenario Index: 1009 Reason: crash
vehicle
                            | 58981/100000 [14:41<16:06, 42.43it/s]
Training Step:
                59%|
Training Step:
                59%|
                            | 58988/100000 [14:41<14:10, 48.20it/s]
                            | 58996/100000 [14:41<12:34, 54.33it/s]
Training Step:
                59%|
                            | 59004/100000 [14:41<11:43, 58.26it/s]
Training Step:
                59%
                            | 59011/100000 [14:41<11:26, 59.74it/s]
Training Step:
                59%|
                            | 59018/100000 [14:41<11:12, 60.92it/s]
Training Step:
                59%
Training Step:
                59%|
                            | 59025/100000 [14:42<10:53, 62.68it/s]
                59%|
                            | 59032/100000 [14:42<10:49, 63.07it/s]
Training Step:
Training Step:
                59%|
                            | 59039/100000 [14:42<10:44, 63.58it/s]
Training Step:
                59%|
                            | 59046/100000 [14:42<10:50, 62.91it/s]
Training Step:
                59%|
                            | 59053/100000 [14:42<10:50, 62.96it/s]
Training Step:
                59%1
                            | 59060/100000 [14:42<11:03, 61.66it/s]
Training Step:
                59%|
                            | 59067/100000 [14:42<11:11, 60.94it/s]
                            | 59074/100000 [14:42<11:31, 59.22it/s]
Training Step:
                59%|
Training Step:
                59%|
                            | 59080/100000 [14:43<11:34, 58.96it/s]
Training Step:
                            | 59086/100000 [14:43<12:00, 56.75it/s]
                59%|
Training Step:
                59%|
                            | 59092/100000 [14:43<12:11, 55.96it/s]
                            | 59098/100000 [14:43<12:06, 56.30it/s]
Training Step:
                59%|
                            | 59104/100000 [14:43<12:17, 55.47it/s]
Training Step:
                59%|
                            | 59110/100000 [14:43<12:20, 55.20it/s]
Training Step:
                59%|
                            | 59116/100000 [14:43<12:19, 55.30it/s]
Training Step:
                59%
Training Step:
                59%|
                            | 59122/100000 [14:43<12:08, 56.15it/s]
                59%|
                            | 59128/100000 [14:43<12:10, 55.97it/s]
Training Step:
                            | 59134/100000 [14:43<12:25, 54.85it/s]
Training Step:
                59%|
Training Step:
                59%|
                            | 59140/100000 [14:44<12:36, 54.02it/s]
Training Step:
                59%|
                            | 59146/100000 [14:44<12:54, 52.75it/s]
                            | 59152/100000 [14:44<13:08, 51.82it/s]
Training Step:
                59%|
                            | 59158/100000 [14:44<13:02, 52.20it/s]
Training Step:
                59%|
                            | 59164/100000 [14:44<13:08, 51.79it/s]
Training Step:
                59%|
Training Step:
                59%1
                            | 59170/100000 [14:44<13:04, 52.04it/s]
Training Step:
                            | 59176/100000 [14:44<13:05, 51.94it/s]
                59%|
Training Step:
                59%|
                            | 59182/100000 [14:44<12:56, 52.56it/s]
Training Step:
                59%|
                            | 59188/100000 [14:45<12:37, 53.85it/s]
Training Step:
                59%|
                            | 59194/100000 [14:45<12:36, 53.91it/s]
Training Step:
                59%|
                            | 59200/100000 [14:45<12:17, 55.30it/s]
                            | 59206/100000 [14:45<12:14, 55.53it/s]
Training Step:
                59%
Training Step:
                59%|
                            | 59212/100000 [14:45<12:10, 55.85it/s]
Training Step:
                59%|
                            | 59218/100000 [14:45<12:13, 55.60it/s]
                            | 59224/100000 [14:45<12:17, 55.28it/s]
Training Step:
                59%|
Training Step:
                59%|
                            | 59230/100000 [14:45<12:10, 55.83it/s]
```

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Training Step:
                59%|
                            | 59248/100000 [14:46<12:12, 55.61it/s]
Training Step:
                59%|
                            | 59254/100000 [14:46<12:25, 54.68it/s]
Training Step:
                            | 59260/100000 [14:46<12:17, 55.24it/s]
                59%1
Training Step:
                            | 59266/100000 [14:46<12:19, 55.10it/s]
                59%|
Training Step:
                59%|
                            | 59272/100000 [14:46<13:00, 52.20it/s]
Training Step:
                59%|
                            | 59278/100000 [14:46<13:10, 51.49it/s]
                            | 59284/100000 [14:46<13:21, 50.78it/s]
Training Step:
                59%|
Training Step:
                59%|
                            | 59290/100000 [14:46<13:27, 50.41it/s]
                            | 59296/100000 [14:47<13:26, 50.47it/s]
Training Step:
                59%|
                            | 59302/100000 [14:47<13:42, 49.49it/s]
Training Step:
                59%
                            | 59308/100000 [14:47<13:31, 50.14it/s]
Training Step:
                59%|
                            | 59314/100000 [14:47<13:29, 50.27it/s]
Training Step:
                59%
Training Step:
                59%|
                            | 59320/100000 [14:47<13:35, 49.91it/s]
                            | 59326/100000 [14:47<13:10, 51.48it/s]
Training Step:
                59%
Training Step:
                59%|
                            | 59332/100000 [14:47<12:44, 53.20it/s]
Training Step:
                59%|
                            | 59338/100000 [14:47<12:23, 54.65it/s]
Training Step:
                            | 59345/100000 [14:47<11:54, 56.89it/s]
                59%|
Training Step:
                59%1
                            | 59351/100000 [14:48<11:55, 56.80it/s]
                            | 59357/100000 [14:48<11:50, 57.22it/s]
Training Step:
                59%|
Training Step:
                59%|
                            | 59363/100000 [14:48<11:48, 57.36it/s]
Training Step:
                59%|
                            | 59370/100000 [14:48<11:35, 58.46it/s]
Training Step:
                            | 59377/100000 [14:48<11:26, 59.13it/s]
                59%|
Training Step:
                59%|
                            | 59384/100000 [14:48<11:27, 59.04it/s]
                            | 59391/100000 [14:48<10:57, 61.75it/s]
Training Step:
                59%|
Training Step:
                59%|
                            | 59398/100000 [14:48<10:45, 62.89it/s]
Training Step:
                59%|
                            | 59405/100000 [14:48<10:32, 64.19it/s]
                            | 59412/100000 [14:49<10:33, 64.08it/s]
Training Step:
                59%
Training Step:
                59%|
                            | 59420/100000 [14:49<10:11, 66.41it/s]
Training Step:
                59%|
                            | 59428/100000 [14:49<10:13, 66.14it/s]
Training Step:
                59%|
                            | 59435/100000 [14:49<10:25,
64.88it/s][INFO] Episode ended! Scenario Index: 1009 Reason:
arrive_dest.
Training Step:
                59%|
                            | 59442/100000 [14:49<12:16, 55.08it/s]
Training Step:
                59%|
                            | 59450/100000 [14:49<11:25, 59.17it/s]
Training Step:
                59%|
                            | 59458/100000 [14:49<10:41, 63.17it/s]
Training Step:
                            | 59466/100000 [14:49<10:26, 64.72it/s]
                59%|
Training Step:
                59%|
                            | 59473/100000 [14:50<10:30, 64.25it/s]
Training Step:
                59%|
                            | 59480/100000 [14:50<10:24, 64.87it/s]
Training Step:
                59%
                            | 59487/100000 [14:50<10:12, 66.17it/s]
Training Step:
                59%|
                            | 59494/100000 [14:50<10:12, 66.18it/s]
                            | 59501/100000 [14:50<10:14, 65.95it/s]
Training Step:
                60%1
Training Step:
                60%1
                            | 59508/100000 [14:50<10:30, 64.27it/s]
Training Step:
                60%1
                            | 59515/100000 [14:50<10:36, 63.56it/s]
```

| 59236/100000 [14:45<12:21, 54.98it/s]

| 59242/100000 [14:45<12:06, 56.08it/s]

Training Step:

Training Step:

Training Step:

Training Step:

60%1

60%1

59%

59%|

| 59522/100000 [14:50<10:52, 62.07it/s]

| 59529/100000 [14:50<10:57, 61.54it/s]

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Training Step:
                60%1
                            | 59536/100000 [14:51<11:06, 60.67it/s]
                            | 59543/100000 [14:51<11:09, 60.42it/s]
Training Step:
                60%1
Training Step:
                60%1
                            | 59550/100000 [14:51<11:20, 59.47it/s]
Training Step:
                60%|
                            | 59556/100000 [14:51<11:37, 57.95it/s]
Training Step:
                            | 59563/100000 [14:51<11:18, 59.62it/s]
                60% I
Training Step:
                60%|
                            | 59569/100000 [14:51<11:29, 58.60it/s]
Training Step:
                60%|
                            | 59576/100000 [14:51<11:28, 58.67it/s]
Training Step:
                60%|
                            | 59583/100000 [14:51<11:15, 59.81it/s]
                            | 59590/100000 [14:51<11:04, 60.77it/s]
Training Step:
                60%|
Training Step:
                60%|
                            | 59597/100000 [14:52<10:46, 62.45it/s]
                60%1
                            | 59604/100000 [14:52<10:54, 61.71it/s]
Training Step:
Training Step:
                            | 59611/100000 [14:52<11:00, 61.13it/s]
                60%1
                            | 59618/100000 [14:52<11:37, 57.86it/s]
Training Step:
                60%1
                            | 59624/100000 [14:52<11:58, 56.20it/s]
Training Step:
                60%1
Training Step:
                60%1
                            | 59630/100000 [14:52<12:01, 55.93it/s]
Training Step:
                60%1
                            | 59636/100000 [14:52<12:10, 55.26it/s]
Training Step:
                60%1
                            | 59642/100000 [14:52<12:16, 54.79it/s]
Training Step:
                60%1
                            | 59648/100000 [14:52<12:21, 54.43it/s]
Training Step:
                60%|
                            | 59654/100000 [14:53<12:44, 52.80it/s]
Training Step:
                60% I
                            | 59660/100000 [14:53<12:53, 52.13it/s]
Training Step:
                60%|
                            | 59666/100000 [14:53<13:10, 51.01it/s]
                            | 59672/100000 [14:53<13:06, 51.26it/s]
Training Step:
                60%|
Training Step:
                60%|
                            | 59678/100000 [14:53<13:12, 50.88it/s]
Training Step:
                            | 59684/100000 [14:53<13:20, 50.37it/s]
                60%|
Training Step:
                60%|
                            | 59690/100000 [14:53<13:13, 50.83it/s]
Training Step:
                60%1
                            | 59696/100000 [14:53<13:24, 50.07it/s]
Training Step:
                60%1
                            | 59702/100000 [14:54<13:25, 50.02it/s]
Training Step:
                60%1
                            | 59708/100000 [14:54<13:35, 49.44it/s]
Training Step:
                            | 59714/100000 [14:54<13:31, 49.67it/s]
                60%1
Training Step:
                60%1
                            | 59720/100000 [14:54<13:25, 49.98it/s]
Training Step:
                60%1
                            | 59726/100000 [14:54<13:55, 48.18it/s]
Training Step:
                60%1
                            | 59731/100000 [14:54<14:15, 47.08it/s]
Training Step:
                60%1
                            | 59736/100000 [14:54<14:40, 45.75it/s]
Training Step:
                60%|
                            | 59741/100000 [14:54<14:21, 46.74it/s]
Training Step:
                            | 59746/100000 [14:54<14:18, 46.86it/s]
                60%|
Training Step:
                60%|
                            | 59751/100000 [14:55<14:05, 47.60it/s]
Training Step:
                60%|
                            | 59756/100000 [14:55<14:19, 46.82it/s]
Training Step:
                60%|
                            | 59762/100000 [14:55<14:04, 47.64it/s]
Training Step:
                            | 59768/100000 [14:55<13:45, 48.73it/s]
                60%|
Training Step:
                60%|
                            | 59773/100000 [14:55<13:41, 48.98it/s]
Training Step:
                60%|
                            | 59778/100000 [14:55<13:49, 48.50it/s]
Training Step:
                60%1
                            | 59783/100000 [14:55<13:42, 48.92it/s]
Training Step:
                60%1
                            | 59789/100000 [14:55<13:15, 50.58it/s]
                            | 59795/100000 [14:55<13:24, 49.99it/s]
Training Step:
                60%1
                            | 59801/100000 [14:56<13:17, 50.39it/s]
Training Step:
                60%1
Training Step:
                60%1
                            | 59807/100000 [14:56<12:46, 52.44it/s]
Training Step:
                60%1
                            | 59813/100000 [14:56<13:00, 51.47it/s]
Training Step:
                60%1
                            | 59819/100000 [14:56<12:59, 51.55it/s]
```

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Training Step:
                60%1
                            | 59825/100000 [14:56<12:48, 52.28it/s]
                            | 59831/100000 [14:56<12:48, 52.25it/s]
Training Step:
                60%|
Training Step:
                60%1
                            | 59837/100000 [14:56<12:40, 52.80it/s]
Training Step:
                60%|
                            | 59843/100000 [14:56<13:25, 49.85it/s]
Training Step:
                            | 59849/100000 [14:57<13:00, 51.44it/s]
                60% I
Training Step:
                60%|
                            | 59855/100000 [14:57<12:33, 53.31it/s]
Training Step:
                60%|
                            | 59861/100000 [14:57<12:15, 54.56it/s]
Training Step:
                60%|
                            | 59867/100000 [14:57<12:07, 55.15it/s]
Training Step:
                            | 59874/100000 [14:57<11:54, 56.19it/s]
                60%|
Training Step:
                60%|
                            | 59880/100000 [14:57<11:49, 56.54it/s]
                60%1
                            | 59887/100000 [14:57<11:09, 59.89it/s]
Training Step:
Training Step:
                            | 59894/100000 [14:57<11:04, 60.35it/s]
                60%1
                            | 59901/100000 [14:57<10:44, 62.19it/s]
Training Step:
                60%|
                            | 59908/100000 [14:57<10:48, 61.78it/s]
Training Step:
                60%1
Training Step:
                60%1
                            | 59915/100000 [14:58<10:36, 63.02it/s]
Training Step:
                60%1
                            | 59922/100000 [14:58<10:25, 64.07it/s]
Training Step:
                60%|
                            | 59929/100000 [14:58<10:16, 65.03it/s]
Training Step:
                60%|
                            | 59936/100000 [14:58<10:14, 65.15it/s]
Training Step:
                60%|
                            | 59943/100000 [14:58<10:20,
64.51it/s][INFO] Episode ended! Scenario Index: 1013 Reason:
arrive dest.
```

Training Step: 60%| | 59950/100000 [14:58<12:42, 52.55it/s] Training Step: 60%| | 59958/100000 [14:58<11:41, 57.07it/s] Training Step: 60%| | 59965/100000 [14:58<11:11, 59.58it/s] | 59972/100000 [14:59<11:29, 58.05it/s] Training Step: 60%1 Training Step: 60%1 | 59978/100000 [14:59<11:52, 56.16it/s] Training Step: 60%1 | 59984/100000 [14:59<12:13, 54.53it/s] Training Step: | 59990/100000 [14:59<12:24, 53.76it/s] 60%1 Training Step: 60%1 | 59996/100000 [14:59<12:36, 52.89it/s] Training Step: 60%1 | 60002/100000 [14:59<13:14, 50.37it/s] Training Step: 60%1 | 60008/100000 [14:59<14:03, 47.42it/s] Training Step: 60%1 | 60014/100000 [14:59<13:54, 47.94it/s] Training Step: 60%| | 60019/100000 [15:00<13:47, 48.34it/s] Training Step: | 60024/100000 [15:00<13:45, 48.40it/s] 60%| | 60030/100000 [15:00<13:41, 48.64it/s] Training Step: 60%| | 60036/100000 [15:00<13:32, 49.19it/s] Training Step: 60%| Training Step: 60%| | 60042/100000 [15:00<13:20, 49.91it/s] Training Step: | 60048/100000 [15:00<13:22, 49.81it/s] 60%| Training Step: 60%| | 60054/100000 [15:00<12:52, 51.70it/s] Training Step: 60%| | 60060/100000 [15:00<12:34, 52.95it/s] Training Step: 60%1 | 60066/100000 [15:00<12:39, 52.58it/s] Training Step: 60%1 | 60072/100000 [15:01<12:34, 52.92it/s] | 60078/100000 [15:01<12:37, 52.70it/s] Training Step: 60%1 | 60084/100000 [15:01<12:37, 52.68it/s] Training Step: 60%1 Training Step: 60%1 | 60090/100000 [15:01<12:45, 52.15it/s] Training Step: 60%1 | 60096/100000 [15:01<12:46, 52.08it/s] Training Step: 60%1 | 60102/100000 [15:01<12:51, 51.70it/s]

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Training Step:
                60%1
                            | 60108/100000 [15:01<12:53, 51.58it/s]
                            | 60114/100000 [15:01<13:04, 50.83it/s]
Training Step:
                60%1
Training Step:
                60%1
                            | 60120/100000 [15:01<13:23, 49.65it/s]
Training Step:
                60%|
                            | 60126/100000 [15:02<13:12, 50.29it/s]
Training Step:
                            | 60132/100000 [15:02<13:22, 49.69it/s]
                60% I
Training Step:
                60%|
                            | 60137/100000 [15:02<14:29, 45.86it/s]
Training Step:
                60%|
                            | 60142/100000 [15:02<14:18, 46.44it/s]
Training Step:
                60%|
                            | 60148/100000 [15:02<14:07, 47.05it/s]
Training Step:
                            | 60154/100000 [15:02<13:47, 48.17it/s]
                60%|
Training Step:
                60%|
                            | 60160/100000 [15:02<13:35, 48.85it/s]
                60%1
                            | 60165/100000 [15:02<13:34, 48.89it/s]
Training Step:
Training Step:
                            | 60170/100000 [15:03<13:40, 48.53it/s]
                60%1
                            | 60176/100000 [15:03<13:37, 48.74it/s]
Training Step:
                60%1
                            | 60182/100000 [15:03<13:24, 49.51it/s]
Training Step:
                60%1
Training Step:
                60%1
                            | 60187/100000 [15:03<13:39, 48.59it/s]
Training Step:
                60%1
                            | 60192/100000 [15:03<13:37, 48.71it/s]
Training Step:
                60%1
                            | 60198/100000 [15:03<13:34, 48.86it/s]
Training Step:
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Training Step:
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                            | 60209/100000 [15:03<13:04, 50.69it/s]
Training Step:
                60% I
                            | 60215/100000 [15:03<13:58, 47.46it/s]
Training Step:
                60%|
                            | 60220/100000 [15:04<13:50, 47.88it/s]
                            | 60226/100000 [15:04<13:50, 47.91it/s]
Training Step:
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Training Step:
                60%|
                            | 60232/100000 [15:04<13:42, 48.35it/s]
Training Step:
                            | 60238/100000 [15:04<13:09, 50.33it/s]
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Training Step:
                60%|
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Training Step:
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Training Step:
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Training Step:
                            | 60266/100000 [15:04<13:39, 48.46it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 60306/100000 [15:05<13:43, 48.23it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
                            | 60342/100000 [15:06<14:30, 45.56it/s]
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                60%1
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Training Step:
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                            | 60358/100000 [15:06<14:09, 46.65it/s]
Training Step:
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Training Step:
                60%1
                            | 60363/100000 [15:07<14:04, 46.93it/s]
```

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Training Step:
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Training Step:
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Training Step:
                60%1
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Training Step:
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                            | 60384/100000 [15:07<13:52, 47.59it/s]
Training Step:
                            | 60390/100000 [15:07<13:52, 47.57it/s]
                60% I
Training Step:
                60%|
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                            | 60401/100000 [15:07<13:33, 48.67it/s]
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                            | 60406/100000 [15:07<13:54, 47.45it/s]
Training Step:
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Training Step:
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                            | 60417/100000 [15:08<14:38, 45.07it/s]
                60%1
                            | 60422/100000 [15:08<15:20, 43.01it/s]
Training Step:
Training Step:
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                            | 60432/100000 [15:08<16:05, 40.99it/s]
Training Step:
                60%1
Training Step:
                            | 60437/100000 [15:08<16:33, 39.81it/s]
                60%1
                            | 60441/100000 [15:08<16:40, 39.56it/s]
Training Step:
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Training Step:
                60%1
                            | 60445/100000 [15:08<16:43, 39.40it/s]
Training Step:
                60%1
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Training Step:
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Training Step:
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                            | 60457/100000 [15:09<17:30, 37.66it/s]
Training Step:
                60% I
                            | 60461/100000 [15:09<17:17, 38.09it/s]
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Training Step:
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                            | 60469/100000 [15:09<17:21, 37.96it/s]
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Training Step:
                60%|
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Training Step:
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Training Step:
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Training Step:
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Training Step:
                60%1
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 60603/100000 [15:12<12:55, 50.82it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 60627/100000 [15:12<11:59, 54.74it/s]
Training Step:
                            | 60633/100000 [15:13<11:47, 55.68it/s]
                61% l
Training Step:
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                61%|
Training Step:
                61%|
                            | 60645/100000 [15:13<11:41, 56.11it/s]
Training Step:
                61% l
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Training Step:
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Training Step:
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                            | 60665/100000 [15:13<10:55, 60.03it/s]
                            | 60672/100000 [15:13<11:22, 57.63it/s]
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Training Step:
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                            | 60686/100000 [15:13<10:29, 62.45it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
                61%|
                            | 60718/100000 [15:14<09:04, 72.20it/s]
Training Step:
                61%|
                            | 60726/100000 [15:14<08:58, 72.97it/s]
Training Step:
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Training Step:
                61% l
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Training Step:
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                            | 60750/100000 [15:14<09:00, 72.56it/s]
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72.61it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
arrive_dest.
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Training Step:
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                            | 60899/100000 [15:17<14:19, 45.48it/s]
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Training Step:
                61%|
                            | 60904/100000 [15:18<14:22, 45.35it/s]
Training Step:
                61%|
                            | 60910/100000 [15:18<14:00, 46.49it/s]
Training Step:
                            | 60916/100000 [15:18<13:41, 47.58it/s]
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Training Step:
                            | 60921/100000 [15:18<13:49, 47.09it/s]
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Training Step:
                61%|
                            | 60926/100000 [15:18<13:49, 47.11it/s]
Training Step:
                61% l
                            | 60932/100000 [15:18<13:24, 48.53it/s]
Training Step:
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Training Step:
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                            | 60948/100000 [15:18<13:20, 48.81it/s]
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Training Step:
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Training Step:
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Training Step:
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                            | 60982/100000 [15:19<13:04, 49.74it/s]
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                61%|
                            | 60988/100000 [15:19<13:06, 49.59it/s]
Training Step:
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                            | 60993/100000 [15:19<13:12, 49.19it/s]
Training Step:
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Training Step:
                61%|
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 61182/100000 [15:23<10:53, 59.45it/s]
                            | 61189/100000 [15:23<10:47, 59.91it/s]
Training Step:
                61% l
Training Step:
                            | 61196/100000 [15:23<10:51, 59.56it/s]
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Training Step:
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                            | 61203/100000 [15:23<10:38, 60.77it/s]
Training Step:
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63.43it/s][INFO] Episode ended! Scenario Index: 1012 Reason:
arrive_dest.
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 61340/100000 [15:26<11:35, 55.55it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 61426/100000 [15:27<12:10, 52.81it/s]
Training Step:
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                            | 61432/100000 [15:27<12:51, 50.02it/s]
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| 61438/100000 [15:27<13:09, 48.86it/s]

| 61443/100000 [15:28<13:14, 48.55it/s]

Training Step:

Training Step:

61%|

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Training Step:
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Training Step:
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                           | 61463/100000 [15:28<14:47, 43.41it/s]
                            | 61468/100000 [15:28<15:14, 42.14it/s]
Training Step:
                61% l
Training Step:
                           | 61473/100000 [15:28<15:29, 41.45it/s]
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Training Step:
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Training Step:
                61% l
                            | 61483/100000 [15:29<15:30, 41.39it/s]
                           | 61488/100000 [15:29<15:10, 42.31it/s]
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Training Step:
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                            | 61493/100000 [15:29<15:02, 42.65it/s]
                           | 61498/100000 [15:29<14:55, 43.01it/s]
Training Step:
                61%|
                            | 61503/100000 [15:29<14:40, 43.72it/s]
Training Step:
                62%1
                           | 61508/100000 [15:29<14:21, 44.70it/s]
Training Step:
                62%1
                            | 61514/100000 [15:29<13:49, 46.37it/s]
Training Step:
                62%1
Training Step:
                62%1
                            | 61519/100000 [15:29<13:34, 47.23it/s]
                            | 61524/100000 [15:29<13:31, 47.40it/s]
Training Step:
                62%1
Training Step:
                62%1
                            | 61529/100000 [15:30<14:20, 44.72it/s]
Training Step:
                62%1
                           | 61535/100000 [15:30<13:32, 47.34it/s]
Training Step:
                            | 61540/100000 [15:30<13:31, 47.42it/s]
                62%|
Training Step:
                62%1
                           | 61546/100000 [15:30<12:58, 49.39it/s]
Training Step:
                62%|
                            | 61552/100000 [15:30<12:26, 51.52it/s]
                           | 61558/100000 [15:30<12:23, 51.72it/s]
Training Step:
                62%|
Training Step:
                62%1
                           | 61564/100000 [15:30<12:11, 52.56it/s]
Training Step:
                           | 61570/100000 [15:30<12:02, 53.16it/s]
                62%|
Training Step:
                62%|
                           | 61576/100000 [15:30<11:55, 53.72it/s]
Training Step:
                62%1
                            | 61582/100000 [15:31<11:51, 53.97it/s]
                62%1
                           | 61588/100000 [15:31<11:45, 54.42it/s]
Training Step:
Training Step:
                62%|
                            | 61594/100000 [15:31<11:35, 55.21it/s]
                            | 61600/100000 [15:31<11:39, 54.86it/s]
Training Step:
                62%1
Training Step:
                62%1
                            | 61606/100000 [15:31<11:29, 55.72it/s]
                            | 61612/100000 [15:31<11:18, 56.55it/s]
Training Step:
                62%1
Training Step:
                62%1
                            | 61619/100000 [15:31<10:58, 58.24it/s]
Training Step:
                62%1
                            | 61626/100000 [15:31<10:42, 59.72it/s]
                           | 61632/100000 [15:31<10:54, 58.64it/s]
Training Step:
                62%|
                            | 61639/100000 [15:32<10:23, 61.51it/s]
Training Step:
                62%|
Training Step:
                62%|
                           | 61646/100000 [15:32<10:20, 61.82it/s]
Training Step:
                62%|
                            61653/100000 [15:32<10:02, 63.68it/s]
Training Step:
                62%1
                           | 61660/100000 [15:32<09:50, 64.93it/s]
Training Step:
                           | 61668/100000 [15:32<09:26, 67.71it/s]
                62%|
Training Step:
                62%|
                            | 61676/100000 [15:32<09:11, 69.44it/s]
Training Step:
                62%|
                            | 61684/100000 [15:32<09:05, 70.22it/s]
Training Step:
                            | 61692/100000 [15:32<08:53, 71.85it/s]
                62%1
Training Step:
                62%1
                            | 61700/100000 [15:32<08:46,
72.78it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
arrive_dest.
```

| 61708/100000 [15:33<09:59, 63.90it/s]

| 61716/100000 [15:33<09:34, 66.68it/s]

Training Step:

Training Step:

62%|

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Training Step:
                           | 61723/100000 [15:33<09:30, 67.15it/s]
                62%|
Training Step:
                62%|
                           | 61730/100000 [15:33<09:31, 66.98it/s]
Training Step:
                62%|
                           | 61737/100000 [15:33<09:31, 66.97it/s]
Training Step:
                62%|
                           | 61744/100000 [15:33<09:37, 66.22it/s]
Training Step:
                62%1
                           | 61752/100000 [15:33<09:26, 67.47it/s]
Training Step:
                62%|
                           | 61759/100000 [15:33<09:27, 67.42it/s]
Training Step:
                62%|
                           | 61766/100000 [15:33<09:39, 66.02it/s]
Training Step:
                62%|
                           | 61773/100000 [15:33<09:42, 65.67it/s]
                           | 61780/100000 [15:34<09:45, 65.31it/s]
Training Step:
                62%|
Training Step:
                62%|
                           | 61787/100000 [15:34<09:51, 64.56it/s]
                           | 61794/100000 [15:34<09:46, 65.17it/s]
Training Step:
                62%|
                           | 61801/100000 [15:34<09:37, 66.17it/s]
Training Step:
                62%|
                           | 61808/100000 [15:34<09:53, 64.31it/s]
Training Step:
                62%|
                           | 61815/100000 [15:34<09:53, 64.28it/s]
Training Step:
                62%1
Training Step:
                62%|
                           | 61822/100000 [15:34<09:54, 64.27it/s]
                           | 61830/100000 [15:34<09:40, 65.74it/s]
Training Step:
                62%|
Training Step:
                62%|
                           | 61838/100000 [15:34<09:30, 66.91it/s]
                62%|
                           | 61845/100000 [15:35<09:43, 65.42it/s]
Training Step:
Training Step:
                           | 61852/100000 [15:35<09:52, 64.37it/s]
                62%|
Training Step:
                62%1
                           | 61859/100000 [15:35<09:50, 64.62it/s]
Training Step:
                62%|
                           | 61866/100000 [15:35<10:08, 62.62it/s]
                           | 61873/100000 [15:35<10:13, 62.14it/s]
Training Step:
                62%|
Training Step:
                62%1
                           | 61880/100000 [15:35<10:27, 60.72it/s]
Training Step:
                62%|
                           | 61887/100000 [15:35<10:14,
62.05it/s][INFO] Episode ended! Scenario Index: 1014 Reason: crash
vehicle
Training Step:
                62%|
                            | 61894/100000 [15:35<12:06, 52.44it/s]
                           | 61902/100000 [15:36<11:09, 56.91it/s]
Training Step:
                62%|
Training Step:
                62%|
                           | 61910/100000 [15:36<10:24, 61.02it/s]
                62%|
                           | 61918/100000 [15:36<10:01, 63.30it/s]
Training Step:
Training Step:
                62%|
                           | 61925/100000 [15:36<09:51, 64.38it/s]
Training Step:
                62%|
                           | 61932/100000 [15:36<09:45, 65.02it/s]
Training Step:
                62%|
                           | 61939/100000 [15:36<09:38, 65.85it/s]
Training Step:
                62%|
                           | 61946/100000 [15:36<09:46, 64.83it/s]
Training Step:
                62%|
                           | 61953/100000 [15:36<09:37, 65.91it/s]
Training Step:
                62%|
                           | 61960/100000 [15:36<09:43, 65.22it/s]
Training Step:
                62%|
                           | 61967/100000 [15:37<09:40, 65.50it/s]
Training Step:
                           | 61974/100000 [15:37<09:42, 65.29it/s]
                62%|
Training Step:
                62%|
                           | 61981/100000 [15:37<09:38, 65.70it/s]
                62%|
                           | 61988/100000 [15:37<10:20, 61.25it/s]
Training Step:
Training Step:
                           | 61995/100000 [15:37<10:34, 59.88it/s]
                62%1
Training Step:
                62%|
                           | 62002/100000 [15:37<11:30, 55.06it/s]
Training Step:
                62%1
                           | 62008/100000 [15:37<11:28, 55.20it/s]
Training Step:
                62%|
                           | 62014/100000 [15:37<11:35, 54.60it/s]
Training Step:
                62%|
                           | 62020/100000 [15:37<11:33, 54.73it/s]
Training Step:
                62%|
                           | 62026/100000 [15:38<11:32, 54.82it/s]
Training Step:
                62%|
                           | 62032/100000 [15:38<11:28, 55.18it/s]
```

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Training Step:
                62%|
                           | 62044/100000 [15:38<11:43, 53.92it/s]
Training Step:
                62%1
                           | 62050/100000 [15:38<11:43, 53.96it/s]
Training Step:
                62%|
                           | 62056/100000 [15:38<11:48, 53.56it/s]
Training Step:
                62%1
                           62062/100000 [15:38<11:57, 52.86it/s]
Training Step:
                62%|
                           | 62068/100000 [15:38<11:54, 53.07it/s]
Training Step:
                62%|
                           62074/100000 [15:39<12:09, 51.98it/s]
Training Step:
                62%|
                           62080/100000 [15:39<12:06, 52.17it/s]
                           | 62086/100000 [15:39<12:08, 52.06it/s]
Training Step:
                62%|
Training Step:
                62%|
                           | 62092/100000 [15:39<11:44, 53.78it/s]
                           | 62098/100000 [15:39<11:54, 53.04it/s]
Training Step:
                62%|
                           | 62104/100000 [15:39<12:32, 50.38it/s]
Training Step:
                62%1
                           | 62110/100000 [15:39<12:26, 50.78it/s]
Training Step:
                62%|
                           | 62116/100000 [15:39<11:59, 52.67it/s]
Training Step:
                62%1
Training Step:
                62%|
                           | 62122/100000 [15:39<11:55, 52.94it/s]
                           | 62128/100000 [15:40<11:50, 53.33it/s]
Training Step:
                62%|
Training Step:
                62%1
                           | 62134/100000 [15:40<11:28, 55.01it/s]
                62%|
                           | 62141/100000 [15:40<11:06, 56.83it/s]
Training Step:
Training Step:
                           | 62147/100000 [15:40<11:02, 57.10it/s]
                62%|
Training Step:
                62%1
                           | 62154/100000 [15:40<10:51, 58.13it/s]
Training Step:
                62%|
                           62160/100000 [15:40<11:11, 56.39it/s]
                           | 62166/100000 [15:40<11:19, 55.69it/s]
Training Step:
                62%|
Training Step:
                62%|
                           | 62172/100000 [15:40<11:17, 55.80it/s]
                           | 62178/100000 [15:40<11:18, 55.73it/s]
Training Step:
                62%|
Training Step:
                62%|
                           | 62184/100000 [15:41<11:27, 55.00it/s]
Training Step:
                62%|
                           | 62190/100000 [15:41<11:40, 53.98it/s]
                62%|
                           | 62196/100000 [15:41<11:49, 53.27it/s]
Training Step:
Training Step:
                62%|
                           | 62202/100000 [15:41<11:33, 54.52it/s]
                           | 62208/100000 [15:41<11:36, 54.24it/s]
Training Step:
                62%|
Training Step:
                62%|
                           | 62214/100000 [15:41<11:25, 55.09it/s]
                           | 62221/100000 [15:41<11:00, 57.21it/s]
Training Step:
                62%|
Training Step:
                62%|
                           | 62227/100000 [15:41<10:54, 57.75it/s]
Training Step:
                62%|
                           | 62234/100000 [15:41<10:45, 58.47it/s]
Training Step:
                62%|
                           | 62241/100000 [15:42<10:23, 60.53it/s]
                           | 62248/100000 [15:42<10:33, 59.59it/s]
Training Step:
                62%|
Training Step:
                62%|
                           | 62256/100000 [15:42<10:05, 62.33it/s]
Training Step:
                62%|
                           62263/100000 [15:42<09:53, 63.53it/s]
Training Step:
                62%1
                           62270/100000 [15:42<09:55, 63.32it/s]
Training Step:
                           | 62278/100000 [15:42<09:26, 66.58it/s]
                62%|
Training Step:
                62%|
                           | 62286/100000 [15:42<08:59,
69.95it/s][INFO] Episode ended! Scenario Index: 1001 Reason:
arrive_dest.
                           62295/100000 [15:42<10:03, 62.49it/s]
Training Step:
                62%|
Training Step:
                62%|
                           | 62303/100000 [15:42<09:33, 65.74it/s]
Training Step:
                62%|
                           | 62311/100000 [15:43<09:16, 67.69it/s]
Training Step:
                62%|
                           | 62318/100000 [15:43<09:12, 68.24it/s]
Training Step:
                62%|
                           | 62325/100000 [15:43<09:37, 65.25it/s]
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| 62038/100000 [15:38<11:35, 54.55it/s]

Training Step:

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Training Step:
                            | 62332/100000 [15:43<10:01, 62.57it/s]
                62%1
Training Step:
                62%1
                            | 62339/100000 [15:43<10:23, 60.36it/s]
Training Step:
                62%1
                            | 62346/100000 [15:43<10:39, 58.87it/s]
Training Step:
                62%|
                           | 62352/100000 [15:43<10:36, 59.16it/s]
Training Step:
                62%1
                            62358/100000 [15:43<10:45, 58.28it/s]
Training Step:
                62%|
                           | 62364/100000 [15:43<10:54, 57.49it/s]
Training Step:
                62%|
                            62370/100000 [15:44<11:02, 56.77it/s]
Training Step:
                62%|
                            62376/100000 [15:44<11:01, 56.88it/s]
Training Step:
                62%|
                            62383/100000 [15:44<10:41, 58.60it/s]
Training Step:
                62%|
                            | 62389/100000 [15:44<11:03, 56.70it/s]
                            | 62395/100000 [15:44<11:08, 56.25it/s]
Training Step:
                62%1
Training Step:
                62%1
                            | 62401/100000 [15:44<11:13, 55.81it/s]
                           | 62407/100000 [15:44<11:12, 55.94it/s]
Training Step:
                62%1
Training Step:
                62%1
                            | 62413/100000 [15:44<11:16, 55.59it/s]
Training Step:
                62%1
                            | 62419/100000 [15:44<11:16, 55.58it/s]
                            | 62425/100000 [15:45<11:59, 52.25it/s]
Training Step:
                62%1
Training Step:
                62%1
                            | 62431/100000 [15:45<12:01, 52.09it/s]
                62%1
                            | 62437/100000 [15:45<12:00, 52.11it/s]
Training Step:
Training Step:
                            | 62443/100000 [15:45<12:04, 51.86it/s]
                62%|
Training Step:
                62%1
                           | 62449/100000 [15:45<12:02, 51.95it/s]
Training Step:
                62%|
                            62455/100000 [15:45<12:03, 51.89it/s]
Training Step:
                62%|
                            62461/100000 [15:45<11:49, 52.93it/s]
Training Step:
                62%|
                            | 62467/100000 [15:45<11:40, 53.55it/s]
                            | 62473/100000 [15:45<11:20, 55.18it/s]
Training Step:
                62%|
Training Step:
                62%|
                           | 62479/100000 [15:46<11:09, 56.07it/s]
Training Step:
                62%1
                            | 62485/100000 [15:46<11:03, 56.55it/s]
                62%1
                           | 62491/100000 [15:46<11:12, 55.77it/s]
Training Step:
Training Step:
                62%|
                            | 62497/100000 [15:46<11:05, 56.32it/s]
                           | 62503/100000 [15:46<11:14, 55.59it/s]
Training Step:
                63%1
Training Step:
                63%1
                            | 62509/100000 [15:46<11:18, 55.25it/s]
                63%1
                            | 62515/100000 [15:46<11:21, 55.01it/s]
Training Step:
Training Step:
                63%1
                            | 62521/100000 [15:46<11:26, 54.57it/s]
Training Step:
                63%1
                            | 62528/100000 [15:46<11:02, 56.52it/s]
Training Step:
                63%|
                           | 62534/100000 [15:47<11:06, 56.24it/s]
Training Step:
                63%|
                            62541/100000 [15:47<10:40, 58.45it/s]
Training Step:
                63%|
                           | 62548/100000 [15:47<10:35, 58.96it/s]
Training Step:
                63%|
                            62554/100000 [15:47<10:33, 59.10it/s]
Training Step:
                63%|
                            62560/100000 [15:47<10:32, 59.19it/s]
                            | 62566/100000 [15:47<10:33, 59.08it/s]
Training Step:
                63%|
Training Step:
                63%|
                            | 62573/100000 [15:47<10:23, 59.99it/s]
                63%1
                           | 62580/100000 [15:47<10:20, 60.26it/s]
Training Step:
                            | 62587/100000 [15:47<10:12, 61.11it/s]
Training Step:
                63%1
Training Step:
                63%1
                           | 62594/100000 [15:48<10:04, 61.87it/s]
Training Step:
                63%1
                            | 62601/100000 [15:48<09:57, 62.57it/s]
Training Step:
                63%1
                            | 62608/100000 [15:48<09:59, 62.38it/s]
Training Step:
                63%1
                            | 62615/100000 [15:48<09:58, 62.42it/s]
Training Step:
                63%1
                            | 62622/100000 [15:48<10:08, 61.45it/s]
Training Step:
                63%1
                            | 62629/100000 [15:48<10:06, 61.60it/s]
```

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Training Step:
                            | 62636/100000 [15:48<10:27, 59.53it/s]
                63%|
Training Step:
                63%|
                            | 62642/100000 [15:48<10:40, 58.32it/s]
Training Step:
                63%1
                            | 62648/100000 [15:48<10:52, 57.27it/s]
Training Step:
                63%|
                           | 62654/100000 [15:49<10:55, 56.94it/s]
                            | 62660/100000 [15:49<11:14, 55.35it/s]
Training Step:
                63% l
Training Step:
                           | 62666/100000 [15:49<11:21, 54.80it/s]
                63%|
Training Step:
                63%|
                            62672/100000 [15:49<11:33, 53.82it/s]
Training Step:
                63%|
                            | 62678/100000 [15:49<12:07, 51.32it/s]
                            | 62684/100000 [15:49<12:22, 50.28it/s]
Training Step:
                63%|
Training Step:
                63%|
                            | 62690/100000 [15:49<12:29, 49.80it/s]
                            | 62696/100000 [15:49<12:23, 50.16it/s]
Training Step:
                63%1
                            | 62702/100000 [15:50<12:22, 50.24it/s]
Training Step:
                63%1
                           | 62708/100000 [15:50<11:50, 52.48it/s]
Training Step:
                63%1
                            62714/100000 [15:50<11:48, 52.66it/s]
Training Step:
                63%1
Training Step:
                63%1
                            | 62720/100000 [15:50<11:29, 54.08it/s]
                63%1
                            | 62726/100000 [15:50<11:34, 53.67it/s]
Training Step:
Training Step:
                63%1
                            | 62732/100000 [15:50<11:37, 53.46it/s]
                63%1
                            | 62738/100000 [15:50<11:27, 54.22it/s]
Training Step:
Training Step:
                            | 62744/100000 [15:50<11:16, 55.10it/s]
                63%|
Training Step:
                63%1
                           | 62750/100000 [15:50<11:05, 56.01it/s]
Training Step:
                63%|
                            62756/100000 [15:50<10:57, 56.60it/s]
                           | 62762/100000 [15:51<10:55, 56.81it/s]
Training Step:
                63%|
Training Step:
                63%|
                           | 62769/100000 [15:51<10:33, 58.74it/s]
                            | 62775/100000 [15:51<10:31, 58.93it/s]
Training Step:
                63%|
Training Step:
                63%|
                           | 62782/100000 [15:51<10:23, 59.69it/s]
Training Step:
                63%1
                            | 62789/100000 [15:51<10:06, 61.39it/s]
                63%1
                           | 62796/100000 [15:51<10:04, 61.56it/s]
Training Step:
Training Step:
                63%|
                            | 62803/100000 [15:51<09:51, 62.88it/s]
                            | 62810/100000 [15:51<09:50, 62.93it/s]
Training Step:
                63%1
Training Step:
                63%1
                            | 62817/100000 [15:51<09:35, 64.65it/s]
                            | 62824/100000 [15:52<09:45,
Training Step:
                63%1
63.46it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
arrive_dest.
                            | 62831/100000 [15:52<11:31, 53.76it/s]
Training Step:
                63%|
                            | 62838/100000 [15:52<10:49, 57.24it/s]
Training Step:
                63%|
Training Step:
                63%|
                            62846/100000 [15:52<10:11, 60.79it/s]
Training Step:
                63%|
                            62853/100000 [15:52<10:00, 61.91it/s]
```

Training Step: | 62860/100000 [15:52<10:04, 61.44it/s] 63%| Training Step: 63%| | 62867/100000 [15:52<10:04, 61.43it/s] 63%| | 62874/100000 [15:52<10:26, 59.26it/s] Training Step: Training Step: | 62880/100000 [15:53<10:25, 59.32it/s] 63%1 Training Step: 63%1 | 62886/100000 [15:53<10:32, 58.66it/s] Training Step: 63%1 | 62892/100000 [15:53<10:46, 57.40it/s] Training Step: 63%1 | 62898/100000 [15:53<10:50, 57.06it/s] Training Step: 63%1 | 62904/100000 [15:53<10:59, 56.25it/s] Training Step: 63%| | 62910/100000 [15:53<10:49, 57.14it/s] Training Step: 63%1 | 62916/100000 [15:53<10:47, 57.30it/s]

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Training Step:
                            | 62922/100000 [15:53<10:47, 57.26it/s]
                63%1
Training Step:
                63%1
                            | 62928/100000 [15:53<10:43, 57.61it/s]
Training Step:
                63%1
                            | 62934/100000 [15:54<11:15, 54.86it/s]
Training Step:
                63%|
                           | 62940/100000 [15:54<12:20, 50.06it/s]
Training Step:
                63%|
                            62946/100000 [15:54<12:07, 50.93it/s]
Training Step:
                           | 62952/100000 [15:54<12:02, 51.30it/s]
                63%|
Training Step:
                63%|
                            62958/100000 [15:54<11:43, 52.68it/s]
Training Step:
                63%|
                            | 62964/100000 [15:54<11:35, 53.22it/s]
                            | 62970/100000 [15:54<11:30, 53.62it/s]
Training Step:
                63%|
Training Step:
                63%|
                            | 62976/100000 [15:54<11:15, 54.78it/s]
                            | 62982/100000 [15:54<11:22, 54.26it/s]
Training Step:
                63%1
                            | 62988/100000 [15:55<11:37, 53.03it/s]
Training Step:
                63%1
                           | 62994/100000 [15:55<11:20, 54.39it/s]
Training Step:
                63%1
Training Step:
                63%1
                            | 63000/100000 [15:55<11:21, 54.27it/s]
                            | 63006/100000 [15:55<11:39, 52.89it/s]
Training Step:
                63%1
                63%1
                            | 63012/100000 [15:55<11:57, 51.58it/s]
Training Step:
Training Step:
                63%1
                            | 63018/100000 [15:55<12:04, 51.02it/s]
                63%1
                            | 63024/100000 [15:55<12:19, 50.01it/s]
Training Step:
Training Step:
                            | 63030/100000 [15:55<12:18, 50.07it/s]
                63%|
Training Step:
                63%1
                           | 63036/100000 [15:55<12:09, 50.68it/s]
Training Step:
                63%|
                            | 63042/100000 [15:56<12:25, 49.60it/s]
                            | 63048/100000 [15:56<12:16, 50.16it/s]
Training Step:
                63%|
Training Step:
                63%|
                            | 63054/100000 [15:56<12:13, 50.38it/s]
                            | 63060/100000 [15:56<12:07, 50.79it/s]
Training Step:
                63%|
Training Step:
                63%|
                            | 63066/100000 [15:56<12:05, 50.92it/s]
                            | 63072/100000 [15:56<12:03, 51.04it/s]
Training Step:
                63%1
                63%1
                            | 63078/100000 [15:56<12:04, 50.94it/s]
Training Step:
Training Step:
                63%|
                            | 63084/100000 [15:56<12:56, 47.56it/s]
                            | 63089/100000 [15:57<13:07, 46.90it/s]
Training Step:
                63%1
Training Step:
                63%1
                            | 63094/100000 [15:57<13:34, 45.33it/s]
                63%1
                            | 63099/100000 [15:57<13:31, 45.48it/s]
Training Step:
Training Step:
                63%1
                            | 63104/100000 [15:57<14:11, 43.31it/s]
Training Step:
                63%1
                            | 63109/100000 [15:57<14:24, 42.67it/s]
Training Step:
                63%|
                            | 63114/100000 [15:57<15:05, 40.72it/s]
                            | 63119/100000 [15:57<15:14, 40.34it/s]
Training Step:
                63%|
Training Step:
                63%|
                            63124/100000 [15:57<15:19, 40.10it/s]
Training Step:
                63%|
                            63129/100000 [15:58<15:06, 40.65it/s]
Training Step:
                63%|
                            | 63134/100000 [15:58<15:02, 40.86it/s]
                            | 63139/100000 [15:58<14:30, 42.34it/s]
Training Step:
                63%|
Training Step:
                63%|
                            | 63144/100000 [15:58<15:16, 40.21it/s]
                63%1
                            | 63149/100000 [15:58<15:11, 40.44it/s]
Training Step:
                            | 63154/100000 [15:58<15:14, 40.31it/s]
Training Step:
                63%1
Training Step:
                63%1
                           | 63159/100000 [15:58<15:00, 40.90it/s]
Training Step:
                63%1
                            | 63164/100000 [15:58<14:53, 41.23it/s]
Training Step:
                63%1
                            | 63169/100000 [15:59<14:41, 41.78it/s]
Training Step:
                63%1
                            | 63174/100000 [15:59<14:48, 41.43it/s]
Training Step:
                63%1
                            | 63179/100000 [15:59<14:45, 41.61it/s]
Training Step:
                63%1
                            | 63184/100000 [15:59<14:48, 41.42it/s]
```

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Training Step:
                63%1
                            | 63199/100000 [15:59<14:00, 43.77it/s]
Training Step:
                63%|
                           | 63204/100000 [15:59<14:03, 43.63it/s]
Training Step:
                63% l
                            63209/100000 [15:59<14:19, 42.82it/s]
Training Step:
                           | 63214/100000 [16:00<14:11, 43.20it/s]
                63%|
Training Step:
                63%|
                            | 63219/100000 [16:00<13:38, 44.91it/s]
Training Step:
                63%|
                            | 63224/100000 [16:00<13:24, 45.69it/s]
                            | 63229/100000 [16:00<13:10, 46.51it/s]
Training Step:
                63%|
Training Step:
                63%|
                            | 63235/100000 [16:00<12:43, 48.16it/s]
                            | 63240/100000 [16:00<12:47, 47.87it/s]
Training Step:
                63%1
                            | 63246/100000 [16:00<12:26, 49.21it/s]
Training Step:
                63%1
                           | 63252/100000 [16:00<12:14, 50.01it/s]
Training Step:
                63%1
                            | 63258/100000 [16:00<12:09, 50.38it/s]
Training Step:
                63%1
                            | 63264/100000 [16:01<11:51, 51.60it/s]
Training Step:
                63%1
                            | 63270/100000 [16:01<11:34, 52.89it/s]
Training Step:
                63%1
Training Step:
                63%1
                            | 63276/100000 [16:01<11:27, 53.39it/s]
                63%1
                            | 63282/100000 [16:01<11:25, 53.59it/s]
Training Step:
Training Step:
                            | 63288/100000 [16:01<11:10, 54.77it/s]
                63%|
Training Step:
                63%1
                           | 63294/100000 [16:01<10:59, 55.62it/s]
Training Step:
                63%|
                            | 63300/100000 [16:01<10:56, 55.91it/s]
                            | 63307/100000 [16:01<10:27, 58.44it/s]
Training Step:
                63%|
Training Step:
                63%|
                           | 63314/100000 [16:01<10:11, 60.02it/s]
                            | 63321/100000 [16:02<10:59, 55.60it/s]
Training Step:
                63%|
Training Step:
                63%|
                           | 63328/100000 [16:02<10:36, 57.58it/s]
Training Step:
                63%1
                            | 63335/100000 [16:02<10:02, 60.88it/s]
                63%1
                            | 63343/100000 [16:02<09:27, 64.56it/s]
Training Step:
Training Step:
                63%|
                            | 63351/100000 [16:02<09:07, 66.99it/s]
Training Step:
                63%1
                            63360/100000 [16:02<08:33,
71.42it/s][INFO] Episode ended! Scenario Index: 1006 Reason:
arrive_dest.
Training Step:
                63%1
                            | 63368/100000 [16:02<10:27, 58.38it/s]
Training Step:
                63%|
                            | 63375/100000 [16:02<10:03, 60.72it/s]
                            | 63382/100000 [16:03<10:00, 60.94it/s]
Training Step:
                63%|
Training Step:
                63%|
                           | 63389/100000 [16:03<09:59, 61.04it/s]
Training Step:
                63%|
                            63396/100000 [16:03<10:24, 58.64it/s]
Training Step:
                63%|
                            | 63402/100000 [16:03<10:26, 58.41it/s]
                            | 63408/100000 [16:03<10:29, 58.09it/s]
Training Step:
                63%|
Training Step:
                63%|
                            | 63414/100000 [16:03<10:27, 58.26it/s]
                63%|
                            | 63420/100000 [16:03<10:30, 58.04it/s]
Training Step:
                            | 63426/100000 [16:03<10:53, 55.99it/s]
Training Step:
                63%1
Training Step:
                63%1
                           | 63432/100000 [16:03<10:48, 56.43it/s]
Training Step:
                63%1
                            | 63438/100000 [16:04<11:01, 55.29it/s]
Training Step:
                63%1
                            | 63444/100000 [16:04<11:04, 55.05it/s]
```

| 63189/100000 [15:59<14:31, 42.24it/s]

| 63194/100000 [15:59<14:17, 42.93it/s]

Training Step:

Training Step:

Training Step:

Training Step:

Training Step:

63%1

63%|

63%1

63%1

63%|

| 63450/100000 [16:04<10:58, 55.50it/s]

| 63456/100000 [16:04<11:02, 55.14it/s]

| 63462/100000 [16:04<11:07, 54.71it/s]

```
Training Step:
                63%1
                            | 63468/100000 [16:04<11:16, 53.99it/s]
Training Step:
                63%1
                            | 63474/100000 [16:04<11:25, 53.29it/s]
Training Step:
                63%1
                            | 63480/100000 [16:04<11:18, 53.81it/s]
Training Step:
                63%|
                            | 63486/100000 [16:04<11:19, 53.74it/s]
                            | 63492/100000 [16:05<11:46, 51.71it/s]
Training Step:
                63% l
Training Step:
                            | 63498/100000 [16:05<11:58, 50.79it/s]
                63%|
Training Step:
                64%|
                            | 63504/100000 [16:05<12:18, 49.43it/s]
Training Step:
                64%|
                            | 63509/100000 [16:05<12:33, 48.44it/s]
                            | 63514/100000 [16:05<12:52, 47.20it/s]
Training Step:
                64%|
Training Step:
                64%|
                            | 63519/100000 [16:05<13:05, 46.45it/s]
                            | 63524/100000 [16:05<13:05, 46.41it/s]
Training Step:
                64% l
                            | 63529/100000 [16:05<13:08, 46.25it/s]
Training Step:
                64% I
                            | 63534/100000 [16:05<13:00, 46.75it/s]
Training Step:
                64% l
                            | 63540/100000 [16:06<12:49, 47.40it/s]
Training Step:
                64% I
Training Step:
                64%1
                            | 63545/100000 [16:06<12:40, 47.95it/s]
                            | 63550/100000 [16:06<13:00, 46.69it/s]
Training Step:
                64% I
Training Step:
                64% l
                            | 63555/100000 [16:06<13:00, 46.70it/s]
Training Step:
                64%1
                            | 63560/100000 [16:06<13:12, 45.95it/s]
Training Step:
                            | 63565/100000 [16:06<13:44, 44.17it/s]
                64%|
Training Step:
                64% I
                            | 63570/100000 [16:06<13:57, 43.48it/s]
Training Step:
                64%|
                            | 63575/100000 [16:06<13:55, 43.60it/s]
                            | 63580/100000 [16:06<14:12, 42.72it/s]
Training Step:
                64%|
Training Step:
                64%|
                            | 63585/100000 [16:07<14:01, 43.27it/s]
Training Step:
                            | 63590/100000 [16:07<14:15, 42.56it/s]
                64%|
Training Step:
                64%|
                            | 63595/100000 [16:07<14:07, 42.95it/s]
Training Step:
                64% l
                            | 63600/100000 [16:07<14:17, 42.45it/s]
                64%1
                            | 63605/100000 [16:07<14:00, 43.31it/s]
Training Step:
Training Step:
                64%|
                            | 63610/100000 [16:07<14:42, 41.22it/s]
                            | 63615/100000 [16:07<14:55, 40.64it/s]
Training Step:
                64% I
Training Step:
                64%1
                            | 63620/100000 [16:07<15:32, 39.03it/s]
                            | 63624/100000 [16:08<15:49, 38.32it/s]
Training Step:
                64% I
Training Step:
                64% l
                            | 63628/100000 [16:08<16:17, 37.21it/s]
Training Step:
                64%1
                            | 63632/100000 [16:08<16:28, 36.78it/s]
Training Step:
                64%|
                            | 63636/100000 [16:08<16:44, 36.18it/s]
                            | 63640/100000 [16:08<16:51, 35.95it/s]
Training Step:
                64%|
                            | 63644/100000 [16:08<17:06, 35.42it/s]
Training Step:
                64%|
Training Step:
                64%|
                            63648/100000 [16:08<17:30, 34.60it/s]
Training Step:
                64% I
                            | 63652/100000 [16:08<17:49, 33.98it/s]
Training Step:
                            | 63656/100000 [16:09<17:50, 33.97it/s]
                64%|
Training Step:
                64%|
                            | 63660/100000 [16:09<17:45, 34.12it/s]
Training Step:
                64% l
                            | 63664/100000 [16:09<17:25, 34.76it/s]
Training Step:
                64%1
                            | 63668/100000 [16:09<17:14, 35.13it/s]
Training Step:
                64% l
                            | 63672/100000 [16:09<16:56, 35.74it/s]
Training Step:
                64% I
                            63676/100000 [16:09<16:53, 35.85it/s]
Training Step:
                64%1
                            | 63680/100000 [16:09<16:24, 36.89it/s]
Training Step:
                64% I
                            | 63684/100000 [16:09<16:26, 36.83it/s]
                            | 63688/100000 [16:09<16:07, 37.52it/s]
Training Step:
                64% l
Training Step:
                64%1
                            | 63692/100000 [16:09<16:00, 37.80it/s]
```

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Training Step:
                64%1
                            | 63704/100000 [16:10<15:49, 38.22it/s]
Training Step:
                64%|
                           | 63709/100000 [16:10<15:13, 39.71it/s]
Training Step:
                64% I
                            | 63714/100000 [16:10<14:57, 40.42it/s]
Training Step:
                           | 63719/100000 [16:10<14:46, 40.94it/s]
                64%|
Training Step:
                64%|
                            | 63724/100000 [16:10<14:49, 40.78it/s]
Training Step:
                64%|
                            | 63729/100000 [16:10<14:39, 41.22it/s]
                            | 63734/100000 [16:11<14:38, 41.28it/s]
Training Step:
                64%|
Training Step:
                64%|
                            | 63739/100000 [16:11<14:11, 42.59it/s]
                           | 63744/100000 [16:11<14:24, 41.95it/s]
Training Step:
                64%|
                            | 63749/100000 [16:11<14:03, 42.95it/s]
Training Step:
                64%|
                           | 63754/100000 [16:11<14:04, 42.92it/s]
Training Step:
                64% l
                            | 63759/100000 [16:11<13:34, 44.52it/s]
Training Step:
                64%|
Training Step:
                64%|
                            | 63764/100000 [16:11<13:24, 45.06it/s]
                            | 63769/100000 [16:11<13:08, 45.92it/s]
Training Step:
                64%|
Training Step:
                64% l
                            | 63774/100000 [16:11<13:00, 46.42it/s]
Training Step:
                64%1
                            | 63780/100000 [16:12<12:34, 48.03it/s]
Training Step:
                            | 63786/100000 [16:12<12:15, 49.27it/s]
                64%|
Training Step:
                64% l
                           | 63792/100000 [16:12<11:54, 50.70it/s]
Training Step:
                64%|
                            63798/100000 [16:12<11:43, 51.42it/s]
                            | 63804/100000 [16:12<11:42, 51.52it/s]
Training Step:
                64%|
Training Step:
                64%|
                           | 63810/100000 [16:12<11:34, 52.13it/s]
Training Step:
                            | 63816/100000 [16:12<11:22, 52.98it/s]
                64%|
Training Step:
                64%|
                           | 63823/100000 [16:12<10:42, 56.30it/s]
Training Step:
                64% l
                            | 63829/100000 [16:12<10:32, 57.17it/s]
                           | 63836/100000 [16:13<10:13, 58.97it/s]
Training Step:
                64%|
Training Step:
                64%|
                            | 63842/100000 [16:13<10:35, 56.85it/s]
                           | 63849/100000 [16:13<10:12, 59.04it/s]
Training Step:
                64%|
Training Step:
                64%1
                           | 63856/100000 [16:13<09:54, 60.76it/s]
                            | 63864/100000 [16:13<09:22, 64.25it/s]
Training Step:
                64%|
Training Step:
                64%|
                            | 63872/100000 [16:13<08:57, 67.16it/s]
Training Step:
                64%|
                            | 63880/100000 [16:13<08:43, 69.03it/s]
Training Step:
                64%|
                            | 63888/100000 [16:13<08:32, 70.53it/s]
Training Step:
                64%|
                            | 63896/100000 [16:13<08:18,
72.39it/s][INFO] Episode ended! Scenario Index: 1004 Reason:
arrive dest.
Training Step:
                            | 63904/100000 [16:14<09:55, 60.57it/s]
                64%|
Training Step:
                64%|
                            | 63912/100000 [16:14<09:25, 63.81it/s]
Training Step:
                64%|
                            | 63920/100000 [16:14<09:09, 65.61it/s]
Training Step:
                            | 63927/100000 [16:14<09:35, 62.66it/s]
                64%|
Training Step:
                64% l
                           | 63934/100000 [16:14<10:42, 56.11it/s]
                            | 63940/100000 [16:14<11:10, 53.78it/s]
Training Step:
                64%|
Training Step:
                64%|
                            | 63946/100000 [16:14<11:19, 53.09it/s]
Training Step:
                64%|
                            | 63952/100000 [16:14<11:19, 53.09it/s]
Training Step:
                64%|
                            | 63958/100000 [16:15<11:12, 53.63it/s]
Training Step:
                64%|
                            | 63964/100000 [16:15<11:17, 53.20it/s]
```

| 63696/100000 [16:10<16:02, 37.72it/s]

| 63700/100000 [16:10<15:48, 38.28it/s]

Training Step:

Training Step:

64%|

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Training Step:
                            | 63970/100000 [16:15<11:22, 52.76it/s]
                64%|
Training Step:
                64% l
                            | 63976/100000 [16:15<11:28, 52.32it/s]
Training Step:
                64%1
                            | 63982/100000 [16:15<11:34, 51.87it/s]
Training Step:
                64%|
                            | 63988/100000 [16:15<12:24, 48.34it/s]
Training Step:
                64% I
                            63993/100000 [16:15<13:10, 45.57it/s]
Training Step:
                            | 63998/100000 [16:15<13:14, 45.31it/s]
                64%|
Training Step:
                64%|
                            | 64003/100000 [16:16<13:53, 43.16it/s]
Training Step:
                64%|
                            | 64008/100000 [16:16<13:41, 43.79it/s]
                            | 64013/100000 [16:16<13:26, 44.60it/s]
Training Step:
                64%|
Training Step:
                64%|
                            | 64018/100000 [16:16<13:39, 43.93it/s]
                            | 64023/100000 [16:16<13:13, 45.32it/s]
Training Step:
                64% l
                            | 64028/100000 [16:16<13:38, 43.94it/s]
Training Step:
                64%|
                            | 64033/100000 [16:16<13:21, 44.85it/s]
Training Step:
                64% l
                            | 64038/100000 [16:16<13:37, 43.97it/s]
Training Step:
                64%|
Training Step:
                64%1
                            | 64043/100000 [16:16<14:05, 42.54it/s]
                            | 64048/100000 [16:17<13:59, 42.81it/s]
Training Step:
                64%|
Training Step:
                64% l
                            | 64053/100000 [16:17<13:40, 43.80it/s]
                64%1
                            | 64058/100000 [16:17<13:38, 43.93it/s]
Training Step:
Training Step:
                            | 64063/100000 [16:17<13:42, 43.68it/s]
                64%|
Training Step:
                64% I
                            | 64068/100000 [16:17<13:56, 42.95it/s]
Training Step:
                64%|
                            | 64073/100000 [16:17<13:53, 43.10it/s]
                            | 64078/100000 [16:17<14:34, 41.08it/s]
Training Step:
                64%|
Training Step:
                64%|
                            | 64083/100000 [16:17<14:06, 42.44it/s]
Training Step:
                            | 64088/100000 [16:17<14:40, 40.80it/s]
                64%|
Training Step:
                64%|
                            | 64093/100000 [16:18<14:38, 40.86it/s]
Training Step:
                64% l
                            | 64098/100000 [16:18<14:24, 41.51it/s]
                64%1
                            | 64104/100000 [16:18<13:32, 44.16it/s]
Training Step:
Training Step:
                64%|
                            | 64109/100000 [16:18<13:11, 45.34it/s]
                            | 64114/100000 [16:18<13:08, 45.49it/s]
Training Step:
                64%|
Training Step:
                64% l
                            | 64120/100000 [16:18<12:36, 47.45it/s]
                            | 64126/100000 [16:18<12:17, 48.62it/s]
Training Step:
                64%|
Training Step:
                64% l
                            | 64132/100000 [16:18<12:05, 49.43it/s]
Training Step:
                64%1
                            | 64138/100000 [16:19<11:49, 50.51it/s]
Training Step:
                64%|
                            | 64144/100000 [16:19<11:39, 51.23it/s]
                            | 64150/100000 [16:19<11:45, 50.85it/s]
Training Step:
                64%|
Training Step:
                64%|
                            | 64156/100000 [16:19<11:28, 52.05it/s]
Training Step:
                64%|
                            | 64162/100000 [16:19<11:55, 50.11it/s]
Training Step:
                64%|
                            | 64168/100000 [16:19<11:48, 50.59it/s]
Training Step:
                            | 64174/100000 [16:19<11:34, 51.59it/s]
                64%|
Training Step:
                64%|
                            | 64180/100000 [16:19<11:19, 52.72it/s]
Training Step:
                64% l
                            | 64186/100000 [16:19<10:56, 54.57it/s]
Training Step:
                64%1
                            | 64192/100000 [16:20<10:59, 54.28it/s]
Training Step:
                64% l
                            | 64199/100000 [16:20<10:25, 57.22it/s]
                            | 64205/100000 [16:20<10:17, 58.00it/s]
Training Step:
                64%|
Training Step:
                64%|
                            | 64212/100000 [16:20<10:02, 59.43it/s]
Training Step:
                64%|
                            | 64219/100000 [16:20<09:54, 60.21it/s]
Training Step:
                64%|
                            | 64226/100000 [16:20<10:06, 58.98it/s]
Training Step:
                64%1
                            | 64232/100000 [16:20<10:13, 58.30it/s]
```

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Training Step:
                64%|
                           | 64256/100000 [16:21<10:42, 55.62it/s]
Training Step:
                64% I
                            | 64262/100000 [16:21<11:03, 53.83it/s]
Training Step:
                           | 64268/100000 [16:21<11:20, 52.49it/s]
                64%|
Training Step:
                64%|
                            | 64274/100000 [16:21<11:23, 52.26it/s]
Training Step:
                64%|
                            | 64280/100000 [16:21<11:25, 52.10it/s]
                            | 64286/100000 [16:21<11:34, 51.45it/s]
Training Step:
                64%|
Training Step:
                64%|
                            | 64292/100000 [16:21<11:40, 51.01it/s]
                            | 64298/100000 [16:21<11:38, 51.09it/s]
Training Step:
                64%|
                            | 64304/100000 [16:22<11:27, 51.94it/s]
Training Step:
                64%|
                           | 64310/100000 [16:22<11:17, 52.70it/s]
Training Step:
                64%|
                            | 64316/100000 [16:22<11:19, 52.53it/s]
Training Step:
                64%|
Training Step:
                64%|
                            | 64322/100000 [16:22<11:15, 52.81it/s]
                            | 64328/100000 [16:22<11:14, 52.88it/s]
Training Step:
                64%|
Training Step:
                64% l
                            | 64334/100000 [16:22<11:13, 52.93it/s]
Training Step:
                64%|
                            | 64340/100000 [16:22<12:09, 48.88it/s]
Training Step:
                            | 64346/100000 [16:22<11:59, 49.57it/s]
                64%|
Training Step:
                64% l
                           | 64352/100000 [16:23<11:35, 51.23it/s]
Training Step:
                64%|
                            | 64358/100000 [16:23<11:15, 52.73it/s]
                           | 64364/100000 [16:23<10:54, 54.42it/s]
Training Step:
                64%|
Training Step:
                64%|
                           | 64370/100000 [16:23<10:40, 55.61it/s]
Training Step:
                            | 64377/100000 [16:23<10:19, 57.49it/s]
                64%|
Training Step:
                64%|
                           | 64384/100000 [16:23<10:06, 58.69it/s]
Training Step:
                64%|
                            | 64391/100000 [16:23<09:50, 60.33it/s]
                64%|
                           | 64398/100000 [16:23<09:43, 60.99it/s]
Training Step:
Training Step:
                64%|
                            | 64405/100000 [16:23<09:33, 62.12it/s]
                           | 64412/100000 [16:23<09:55, 59.72it/s]
Training Step:
                64%|
Training Step:
                64%|
                            | 64418/100000 [16:24<10:01, 59.12it/s]
                            | 64426/100000 [16:24<09:33, 62.07it/s]
Training Step:
                64%|
Training Step:
                64%|
                            | 64433/100000 [16:24<09:21, 63.37it/s]
Training Step:
                64%|
                            | 64440/100000 [16:24<09:20, 63.46it/s]
Training Step:
                64%|
                            | 64447/100000 [16:24<09:38,
61.42it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
arrive dest.
Training Step:
                            | 64454/100000 [16:24<11:24, 51.91it/s]
                64%|
Training Step:
                            | 64461/100000 [16:24<10:44, 55.15it/s]
                64%|
Training Step:
                64%|
                            | 64468/100000 [16:24<10:10, 58.17it/s]
Training Step:
                64%|
                            | 64475/100000 [16:25<09:50, 60.17it/s]
Training Step:
                64%1
                            | 64482/100000 [16:25<09:48, 60.38it/s]
Training Step:
                64% l
                           | 64489/100000 [16:25<09:27, 62.56it/s]
                            | 64496/100000 [16:25<09:12, 64.26it/s]
Training Step:
                64%|
Training Step:
                65%|
                            | 64504/100000 [16:25<08:53, 66.51it/s]
Training Step:
                65% l
                            | 64512/100000 [16:25<08:48, 67.09it/s]
Training Step:
                65%|
                            | 64519/100000 [16:25<08:48, 67.19it/s]
Training Step:
                65%|
                            | 64526/100000 [16:25<09:03, 65.22it/s]
```

| 64238/100000 [16:20<10:15, 58.13it/s]

| 64244/100000 [16:20<10:16, 58.00it/s]

| 64250/100000 [16:21<10:22, 57.43it/s]

Training Step:

Training Step:

Training Step:

64%|

64%|

64%1

```
Training Step:
                            | 64533/100000 [16:25<09:04, 65.10it/s]
                65% l
Training Step:
                65%|
                            | 64540/100000 [16:26<09:26, 62.62it/s]
Training Step:
                65%|
                            | 64547/100000 [16:26<09:38, 61.28it/s]
Training Step:
                65%|
                            | 64554/100000 [16:26<10:06, 58.43it/s]
Training Step:
                65% l
                            | 64560/100000 [16:26<10:13, 57.77it/s]
Training Step:
                            | 64566/100000 [16:26<10:19, 57.23it/s]
                65%|
Training Step:
                65%|
                            | 64572/100000 [16:26<10:27, 56.47it/s]
Training Step:
                65%|
                            | 64578/100000 [16:26<10:57, 53.90it/s]
Training Step:
                65%|
                            | 64584/100000 [16:26<11:12, 52.66it/s]
Training Step:
                65%|
                            | 64590/100000 [16:26<10:58, 53.76it/s]
                            | 64596/100000 [16:27<10:53, 54.16it/s]
Training Step:
                65%|
                            | 64602/100000 [16:27<10:59, 53.68it/s]
Training Step:
                65% l
                            | 64608/100000 [16:27<10:52, 54.22it/s]
Training Step:
                65%|
                            | 64614/100000 [16:27<10:56, 53.90it/s]
Training Step:
                65% l
Training Step:
                65% I
                            | 64620/100000 [16:27<10:57, 53.80it/s]
                            | 64626/100000 [16:27<10:48, 54.56it/s]
Training Step:
                65% l
Training Step:
                65%|
                            | 64632/100000 [16:27<10:51, 54.26it/s]
                65% I
                            | 64638/100000 [16:27<11:00, 53.51it/s]
Training Step:
Training Step:
                            | 64644/100000 [16:27<10:53, 54.11it/s]
                65%|
Training Step:
                65% I
                            | 64650/100000 [16:28<10:41, 55.13it/s]
Training Step:
                65%|
                            | 64656/100000 [16:28<10:39, 55.26it/s]
                            | 64662/100000 [16:28<10:40, 55.19it/s]
Training Step:
                65%|
Training Step:
                65%|
                            | 64668/100000 [16:28<10:51, 54.25it/s]
                            | 64674/100000 [16:28<10:44, 54.80it/s]
Training Step:
                65%|
Training Step:
                65%|
                            | 64680/100000 [16:28<10:33, 55.79it/s]
Training Step:
                65%|
                            | 64686/100000 [16:28<10:30, 56.03it/s]
                65% I
                            | 64692/100000 [16:28<10:26, 56.36it/s]
Training Step:
Training Step:
                65%|
                            | 64698/100000 [16:28<10:48, 54.41it/s]
                            | 64704/100000 [16:29<10:41, 55.01it/s]
Training Step:
                65% l
Training Step:
                65%|
                            | 64710/100000 [16:29<10:29, 56.10it/s]
                            | 64716/100000 [16:29<10:20, 56.89it/s]
Training Step:
                65% l
Training Step:
                65%|
                            | 64722/100000 [16:29<10:13, 57.46it/s]
Training Step:
                65%|
                            | 64728/100000 [16:29<10:20, 56.87it/s]
Training Step:
                65%|
                            | 64734/100000 [16:29<10:17, 57.12it/s]
Training Step:
                65%|
                            | 64740/100000 [16:29<10:36, 55.38it/s]
Training Step:
                65%|
                            | 64746/100000 [16:29<10:41, 54.98it/s]
Training Step:
                65%|
                            | 64752/100000 [16:29<10:48, 54.32it/s]
Training Step:
                65%|
                            | 64758/100000 [16:30<10:51, 54.09it/s]
                            | 64764/100000 [16:30<10:51, 54.08it/s]
Training Step:
                65%|
Training Step:
                65%|
                            | 64770/100000 [16:30<10:40, 54.97it/s]
                65%|
                            | 64776/100000 [16:30<10:29, 55.91it/s]
Training Step:
                            | 64783/100000 [16:30<10:07, 57.95it/s]
Training Step:
                65% l
Training Step:
                65%|
                            | 64789/100000 [16:30<10:20, 56.76it/s]
Training Step:
                65% l
                            64796/100000 [16:30<09:59, 58.75it/s]
Training Step:
                65%|
                            | 64803/100000 [16:30<09:38, 60.80it/s]
Training Step:
                65% l
                            | 64810/100000 [16:30<09:18, 63.04it/s]
Training Step:
                65%|
                            | 64817/100000 [16:31<09:42, 60.36it/s]
Training Step:
                65%|
                            | 64824/100000 [16:31<09:50, 59.61it/s]
```

Training Step: | 64830/100000 [16:31<09:49, 59.66it/s] 65% l Training Step: 65%| | 64837/100000 [16:31<09:24, 62.28it/s] Training Step: 65%| | 64846/100000 [16:31<08:43, 67.11it/s][INFO] Episode ended! Scenario Index: 1001 Reason: arrive dest. | 64853/100000 [16:31<10:28, 55.88it/s] Training Step: 65%| Training Step: 65%| | 64860/100000 [16:31<10:12, 57.39it/s] | 64867/100000 [16:31<09:44, 60.14it/s] Training Step: 65%| Training Step: 65%| | 64874/100000 [16:31<09:39, 60.66it/s] | 64881/100000 [16:32<09:42, 60.26it/s] Training Step: 65%| | 64888/100000 [16:32<10:04, 58.05it/s] Training Step: 65% l | 64894/100000 [16:32<10:05, 57.95it/s] Training Step: 65%| Training Step: 65% l | 64900/100000 [16:32<10:11, 57.42it/s] Training Step: 65%| | 64906/100000 [16:32<10:24, 56.19it/s] 65%| | 64912/100000 [16:32<10:21, 56.46it/s] Training Step: Training Step: 65%| | 64918/100000 [16:32<10:14, 57.13it/s] Training Step: 65%| | 64924/100000 [16:32<10:08, 57.68it/s] Training Step: | 64930/100000 [16:32<10:21, 56.40it/s] 65%| Training Step: 65% I | 64936/100000 [16:33<10:12, 57.26it/s] | 64942/100000 [16:33<10:09, 57.55it/s] Training Step: 65%| | 64948/100000 [16:33<10:12, 57.27it/s] Training Step: 65%| Training Step: 65%| | 64954/100000 [16:33<10:43, 54.44it/s] Training Step: | 64960/100000 [16:33<11:05, 52.64it/s] 65%| Training Step: 65%| | 64966/100000 [16:33<11:11, 52.15it/s] Training Step: 65%| | 64972/100000 [16:33<11:32, 50.55it/s] 65%| | 64978/100000 [16:33<11:48, 49.45it/s] Training Step: Training Step: 65%| | 64983/100000 [16:33<11:57, 48.83it/s] | 64988/100000 [16:34<12:13, 47.73it/s] Training Step: 65% l Training Step: 65%| | 64993/100000 [16:34<12:06, 48.22it/s] | 64998/100000 [16:34<12:06, 48.18it/s] Training Step: 65% l Training Step: 65%| | 65003/100000 [16:34<12:00, 48.57it/s] Training Step: 65%| | 65008/100000 [16:34<12:16, 47.54it/s] Training Step: 65%| | 65014/100000 [16:34<12:09, 47.95it/s] Training Step: 65%| | 65019/100000 [16:34<12:03, 48.38it/s] Training Step: 65%| | 65024/100000 [16:34<12:15, 47.55it/s] Training Step: 65%| | 65029/100000 [16:34<12:17, 47.44it/s] Training Step: 65%| | 65034/100000 [16:35<12:23, 47.03it/s] Training Step: | 65039/100000 [16:35<12:14, 47.60it/s] 65%| Training Step: 65%| | 65044/100000 [16:35<12:16, 47.47it/s] Training Step: 65%| | 65050/100000 [16:35<11:59, 48.56it/s] Training Step: | 65056/100000 [16:35<12:00, 48.52it/s] 65% l Training Step: 65%| | 65061/100000 [16:35<12:10, 47.83it/s] Training Step: 65% l | 65066/100000 [16:35<12:13, 47.61it/s] Training Step: 65%| | 65071/100000 [16:35<12:03, 48.28it/s]

| 65076/100000 [16:35<12:22, 47.02it/s]

| 65081/100000 [16:36<12:23, 46.94it/s]

| 65086/100000 [16:36<12:40, 45.93it/s]

Training Step:

Training Step:

Training Step:

65% l

65%|

65% I

```
Training Step:
                65% I
                            | 65091/100000 [16:36<12:40, 45.91it/s]
                            | 65096/100000 [16:36<12:32, 46.41it/s]
Training Step:
                65%|
Training Step:
                65% I
                            | 65102/100000 [16:36<12:15, 47.45it/s]
Training Step:
                65%|
                            | 65108/100000 [16:36<12:03, 48.25it/s]
                            | 65114/100000 [16:36<12:04, 48.17it/s]
Training Step:
                65% l
Training Step:
                            | 65119/100000 [16:36<12:10, 47.77it/s]
                65%|
Training Step:
                65%|
                            | 65124/100000 [16:36<12:30, 46.48it/s]
Training Step:
                65%|
                            | 65129/100000 [16:37<12:36, 46.08it/s]
                            | 65134/100000 [16:37<12:37, 46.02it/s]
Training Step:
                65%|
Training Step:
                65%|
                            | 65139/100000 [16:37<12:42, 45.73it/s]
                            | 65144/100000 [16:37<13:09, 44.16it/s]
Training Step:
                65%|
                            | 65149/100000 [16:37<12:58, 44.79it/s]
Training Step:
                65% l
                            | 65154/100000 [16:37<12:55, 44.91it/s]
Training Step:
                65%|
                            | 65159/100000 [16:37<12:34, 46.19it/s]
Training Step:
                65% l
Training Step:
                65% I
                            | 65164/100000 [16:37<12:48, 45.32it/s]
                65% I
                            | 65169/100000 [16:37<12:33, 46.23it/s]
Training Step:
Training Step:
                65%|
                            | 65174/100000 [16:38<12:35, 46.11it/s]
Training Step:
                65%|
                            | 65179/100000 [16:38<12:21, 46.94it/s]
Training Step:
                            | 65184/100000 [16:38<12:18, 47.14it/s]
                65%|
Training Step:
                65% I
                            | 65189/100000 [16:38<12:06, 47.91it/s]
Training Step:
                65%|
                            | 65194/100000 [16:38<12:18, 47.15it/s]
                            | 65200/100000 [16:38<11:54, 48.69it/s]
Training Step:
                65%|
Training Step:
                65%|
                            | 65206/100000 [16:38<11:42, 49.56it/s]
Training Step:
                            | 65211/100000 [16:38<11:48, 49.11it/s]
                65%|
Training Step:
                65%|
                            | 65216/100000 [16:38<12:34, 46.13it/s]
                            | 65221/100000 [16:39<12:51, 45.09it/s]
Training Step:
                65%|
                65%|
                            | 65226/100000 [16:39<13:03, 44.37it/s]
Training Step:
Training Step:
                65%|
                            | 65231/100000 [16:39<13:08, 44.11it/s]
                            | 65236/100000 [16:39<12:57, 44.73it/s]
Training Step:
                65% l
Training Step:
                65%|
                            | 65241/100000 [16:39<12:51, 45.07it/s]
                            | 65246/100000 [16:39<12:42, 45.55it/s]
Training Step:
                65% l
Training Step:
                65%|
                            | 65251/100000 [16:39<12:43, 45.52it/s]
Training Step:
                65%|
                            | 65256/100000 [16:39<12:37, 45.88it/s]
Training Step:
                65%|
                            | 65261/100000 [16:39<12:35, 46.00it/s]
                            | 65266/100000 [16:40<12:55, 44.78it/s]
Training Step:
                65%|
Training Step:
                65%|
                            | 65271/100000 [16:40<12:36, 45.90it/s]
Training Step:
                65%|
                            | 65276/100000 [16:40<12:48, 45.20it/s]
Training Step:
                65%|
                            | 65281/100000 [16:40<12:36, 45.90it/s]
Training Step:
                            | 65286/100000 [16:40<12:42, 45.52it/s]
                65%|
Training Step:
                65%|
                            | 65291/100000 [16:40<12:57, 44.64it/s]
Training Step:
                65%|
                            | 65296/100000 [16:40<13:07, 44.07it/s]
Training Step:
                            | 65301/100000 [16:40<13:20, 43.32it/s]
                65% l
Training Step:
                65%|
                            | 65306/100000 [16:40<13:01, 44.42it/s]
                            | 65311/100000 [16:41<12:43, 45.43it/s]
Training Step:
                65% l
Training Step:
                65% I
                            | 65316/100000 [16:41<12:44, 45.35it/s]
Training Step:
                65% l
                            | 65321/100000 [16:41<12:27, 46.39it/s]
Training Step:
                65%|
                            | 65327/100000 [16:41<12:00, 48.09it/s]
Training Step:
                65% I
                            | 65332/100000 [16:41<12:10, 47.43it/s]
```

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Training Step:
                            | 65338/100000 [16:41<11:52, 48.64it/s]
                65% l
Training Step:
                65%|
                            | 65344/100000 [16:41<11:40, 49.47it/s]
Training Step:
                65% I
                            | 65349/100000 [16:41<11:40, 49.49it/s]
Training Step:
                65%|
                            | 65354/100000 [16:41<11:38, 49.62it/s]
                            | 65360/100000 [16:42<11:26, 50.43it/s]
Training Step:
                65% l
Training Step:
                            | 65366/100000 [16:42<10:57, 52.68it/s]
                65%|
Training Step:
                65%|
                            | 65372/100000 [16:42<10:54, 52.88it/s]
Training Step:
                65%|
                            | 65378/100000 [16:42<12:01, 48.01it/s]
                            | 65383/100000 [16:42<11:54, 48.46it/s]
Training Step:
                65%|
Training Step:
                65%|
                            | 65389/100000 [16:42<11:29, 50.20it/s]
                            | 65395/100000 [16:42<11:08, 51.75it/s]
Training Step:
                65%|
                            | 65401/100000 [16:42<10:50, 53.15it/s]
Training Step:
                65% l
                            | 65407/100000 [16:42<10:56, 52.71it/s]
Training Step:
                65%|
                            | 65413/100000 [16:43<10:35, 54.40it/s]
Training Step:
                65% l
Training Step:
                65% I
                            | 65419/100000 [16:43<10:22, 55.52it/s]
                65% I
                            | 65425/100000 [16:43<10:24, 55.37it/s]
Training Step:
Training Step:
                65% I
                            | 65431/100000 [16:43<10:14,
56.24it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
arrive_dest.
```

Training Step: 65%| | 65437/100000 [16:43<12:18, 46.83it/s] | 65444/100000 [16:43<11:05, 51.93it/s] Training Step: 65%| Training Step: 65%| | 65452/100000 [16:43<09:53, 58.20it/s] Training Step: | 65459/100000 [16:43<09:56, 57.95it/s] 65%| Training Step: 65%| | 65465/100000 [16:44<10:25, 55.25it/s] | 65471/100000 [16:44<10:44, 53.54it/s] Training Step: 65%| 65% I | 65477/100000 [16:44<10:56, 52.61it/s] Training Step: Training Step: 65%| | 65483/100000 [16:44<11:12, 51.31it/s] | 65489/100000 [16:44<11:37, 49.50it/s] Training Step: 65% l Training Step: 65% I | 65494/100000 [16:44<11:46, 48.83it/s] | 65500/100000 [16:44<11:52, 48.45it/s] Training Step: 66%1 Training Step: 66%1 | 65506/100000 [16:44<11:45, 48.91it/s] Training Step: 66%1 | 65512/100000 [16:44<11:36, 49.48it/s] Training Step: 66%| | 65517/100000 [16:45<11:45, 48.85it/s] Training Step: 66%| | 65522/100000 [16:45<11:54, 48.25it/s] | 65527/100000 [16:45<11:51, 48.46it/s] Training Step: 66%| Training Step: 66%| | 65532/100000 [16:45<11:50, 48.48it/s] Training Step: 66%| 65538/100000 [16:45<11:34, 49.64it/s] Training Step: | 65543/100000 [16:45<11:34, 49.60it/s] 66%| Training Step: 66%| | 65548/100000 [16:45<11:54, 48.20it/s] Training Step: 66%| | 65553/100000 [16:45<11:51, 48.42it/s] Training Step: | 65558/100000 [16:45<12:01, 47.71it/s] 66%1 Training Step: 66%1 | 65564/100000 [16:46<11:58, 47.93it/s] Training Step: 66%1 | 65569/100000 [16:46<11:55, 48.11it/s] Training Step: 66%1 | 65574/100000 [16:46<11:59, 47.83it/s] Training Step: 66%1 | 65579/100000 [16:46<12:10, 47.11it/s] Training Step: 66%1 | 65584/100000 [16:46<12:12, 47.00it/s]

Training Step:

66%1

| 65589/100000 [16:46<12:01, 47.71it/s]

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Training Step:
                            | 65594/100000 [16:46<12:11, 47.02it/s]
                66%1
Training Step:
                66%1
                            | 65599/100000 [16:46<12:26, 46.10it/s]
Training Step:
                66%1
                            | 65604/100000 [16:46<12:34, 45.58it/s]
Training Step:
                66%|
                            | 65610/100000 [16:47<12:11, 46.98it/s]
                            | 65616/100000 [16:47<11:57, 47.91it/s]
Training Step:
                66% I
Training Step:
                            | 65622/100000 [16:47<11:49, 48.47it/s]
                66%|
Training Step:
                66%|
                            | 65628/100000 [16:47<11:47, 48.57it/s]
Training Step:
                66%|
                            | 65634/100000 [16:47<11:42, 48.94it/s]
                            | 65640/100000 [16:47<11:20, 50.53it/s]
Training Step:
                66%|
Training Step:
                66%|
                            | 65646/100000 [16:47<11:08, 51.41it/s]
                            | 65652/100000 [16:47<11:26, 50.06it/s]
Training Step:
                66%1
                            | 65658/100000 [16:47<11:40, 49.05it/s]
Training Step:
                66%1
                            | 65664/100000 [16:48<11:39, 49.09it/s]
Training Step:
                66%1
Training Step:
                66%1
                            | 65669/100000 [16:48<11:45, 48.70it/s]
Training Step:
                66%1
                            | 65674/100000 [16:48<11:51, 48.23it/s]
                            | 65680/100000 [16:48<11:50, 48.28it/s]
Training Step:
                66%1
Training Step:
                66%1
                            | 65685/100000 [16:48<11:46, 48.54it/s]
Training Step:
                66%1
                            | 65690/100000 [16:48<11:57, 47.81it/s]
Training Step:
                            | 65695/100000 [16:48<11:48, 48.42it/s]
                66%|
Training Step:
                66% I
                            | 65700/100000 [16:48<12:27, 45.87it/s]
Training Step:
                66%|
                            | 65705/100000 [16:49<12:45, 44.80it/s]
                            | 65710/100000 [16:49<13:06, 43.58it/s]
Training Step:
                66%|
Training Step:
                66%|
                            | 65715/100000 [16:49<12:46, 44.71it/s]
Training Step:
                            | 65720/100000 [16:49<12:32, 45.54it/s]
                66%|
Training Step:
                66%|
                            | 65725/100000 [16:49<12:18, 46.39it/s]
                            | 65730/100000 [16:49<12:35, 45.36it/s]
Training Step:
                66%1
                66%1
                            | 65735/100000 [16:49<12:22, 46.14it/s]
Training Step:
Training Step:
                66%1
                            | 65740/100000 [16:49<12:29, 45.68it/s]
                            | 65746/100000 [16:49<11:59, 47.58it/s]
Training Step:
                66%1
Training Step:
                66%1
                            | 65752/100000 [16:50<11:49, 48.28it/s]
                            | 65757/100000 [16:50<11:51, 48.12it/s]
Training Step:
                66%1
Training Step:
                66%1
                            | 65763/100000 [16:50<11:22, 50.16it/s]
Training Step:
                66%1
                            | 65769/100000 [16:50<11:15, 50.65it/s]
Training Step:
                66%|
                            | 65775/100000 [16:50<10:56, 52.13it/s]
                            | 65781/100000 [16:50<10:54, 52.28it/s]
Training Step:
                66%|
Training Step:
                66%|
                            | 65787/100000 [16:50<10:40, 53.42it/s]
Training Step:
                66%|
                            65793/100000 [16:50<10:29, 54.31it/s]
Training Step:
                66%|
                            65799/100000 [16:50<10:20, 55.08it/s]
Training Step:
                            | 65805/100000 [16:50<10:08, 56.20it/s]
                66%|
Training Step:
                66%|
                            | 65811/100000 [16:51<10:11, 55.95it/s]
                66%|
                            | 65817/100000 [16:51<10:26, 54.56it/s]
Training Step:
Training Step:
                66%1
                            | 65823/100000 [16:51<10:27, 54.47it/s]
Training Step:
                66%1
                            | 65829/100000 [16:51<10:22, 54.86it/s]
Training Step:
                66%1
                            | 65835/100000 [16:51<10:13, 55.68it/s]
Training Step:
                66%1
                            | 65842/100000 [16:51<10:02, 56.69it/s]
Training Step:
                66%1
                            | 65848/100000 [16:51<09:57, 57.13it/s]
Training Step:
                66%1
                            | 65854/100000 [16:51<10:02, 56.69it/s]
Training Step:
                66%1
                            | 65860/100000 [16:51<09:54, 57.47it/s]
```

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Training Step: 66% | 65867/100000 [16:52<09:31, 59.70it/s]
Training Step: 66% | 65874/100000 [16:52<09:20, 60.91it/s]
Training Step: 66% | 65881/100000 [16:52<09:02, 62.92it/s]
Training Step: 66% | 65888/100000 [16:52<09:01,
63.04it/s][INFO] Episode ended! Scenario Index: 1012 Reason:
arrive_dest.
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Training Step: 66%| | 65895/100000 [16:52<10:24, 54.62it/s] | 65902/100000 [16:52<09:44, 58.38it/s] Training Step: 66%| Training Step: 66%| | 65910/100000 [16:52<09:04, 62.55it/s] | 65918/100000 [16:52<08:49, 64.32it/s] Training Step: 66%1 | 65925/100000 [16:52<08:41, 65.32it/s] Training Step: 66%1 | 65932/100000 [16:53<08:57, 63.43it/s] Training Step: 66%1 | 65939/100000 [16:53<08:49, 64.35it/s] Training Step: 66%1 Training Step: 66%1 | 65946/100000 [16:53<08:54, 63.67it/s] | 65953/100000 [16:53<09:05, 62.39it/s] Training Step: 66%1 Training Step: 66%1 | 65960/100000 [16:53<09:15, 61.28it/s] Training Step: 66%1 | 65967/100000 [16:53<09:17, 61.00it/s] Training Step: | 65974/100000 [16:53<09:29, 59.72it/s] 66%| Training Step: 66% I | 65981/100000 [16:53<09:20, 60.68it/s] Training Step: 66%| 65988/100000 [16:54<09:50, 57.59it/s] | 65994/100000 [16:54<09:50, 57.62it/s] Training Step: 66%| Training Step: 66%| | 66000/100000 [16:54<10:27, 54.18it/s] | 66006/100000 [16:54<10:14, 55.28it/s] Training Step: 66%| Training Step: 66%| | 66012/100000 [16:54<10:08, 55.86it/s] Training Step: 66%1 | 66018/100000 [16:54<09:57, 56.87it/s] 66%1 | 66024/100000 [16:54<09:53, 57.27it/s] Training Step: Training Step: 66%| | 66031/100000 [16:54<09:30, 59.55it/s] | 66038/100000 [16:54<09:23, 60.29it/s] Training Step: 66%1 Training Step: 66%1 | 66045/100000 [16:55<09:21, 60.44it/s] | 66052/100000 [16:55<09:06, 62.06it/s] Training Step: 66%1 Training Step: 66%1 | 66059/100000 [16:55<09:18, 60.72it/s] Training Step: 66%1 | 66066/100000 [16:55<09:51, 57.33it/s] Training Step: 66%| | 66072/100000 [16:55<10:08, 55.74it/s] Training Step: 66%| | 66078/100000 [16:55<10:37, 53.21it/s] | 66084/100000 [16:55<10:45, 52.57it/s] Training Step: 66%| Training Step: 66%| | 66090/100000 [16:55<10:40, 52.91it/s] Training Step: 66% I 66096/100000 [16:55<10:35, 53.38it/s] | 66102/100000 [16:56<10:46, 52.47it/s] Training Step: 66%| Training Step: 66%| | 66108/100000 [16:56<11:00, 51.33it/s] 66%| | 66114/100000 [16:56<11:22, 49.67it/s] Training Step: | 66119/100000 [16:56<11:29, 49.14it/s] Training Step: 66%1 Training Step: 66%1 | 66124/100000 [16:56<11:35, 48.72it/s] Training Step: 66%1 | 66130/100000 [16:56<11:37, 48.55it/s] Training Step: 66%1 | 66135/100000 [16:56<11:32, 48.87it/s] Training Step: 66%1 | 66140/100000 [16:56<11:34, 48.78it/s] | 66146/100000 [16:57<11:27, 49.22it/s] Training Step: 66%1 Training Step: 66%1 | 66152/100000 [16:57<11:30, 49.01it/s]

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Training Step:
                           | 66183/100000 [16:57<11:40, 48.26it/s]
                66%|
Training Step:
                66%|
                            | 66188/100000 [16:57<12:24, 45.40it/s]
Training Step:
                66%|
                            | 66193/100000 [16:58<12:15, 45.95it/s]
                            | 66198/100000 [16:58<12:12, 46.18it/s]
Training Step:
                66%|
Training Step:
                66%|
                            | 66204/100000 [16:58<11:55, 47.27it/s]
                            | 66210/100000 [16:58<11:35, 48.56it/s]
Training Step:
                66%1
                            | 66215/100000 [16:58<11:32, 48.82it/s]
Training Step:
                66%1
                           | 66221/100000 [16:58<11:26, 49.20it/s]
Training Step:
                66%1
                            | 66226/100000 [16:58<11:36, 48.49it/s]
Training Step:
                66%1
Training Step:
                66%1
                            | 66232/100000 [16:58<11:18, 49.75it/s]
                            | 66238/100000 [16:58<11:14, 50.09it/s]
Training Step:
                66%1
Training Step:
                66%1
                            | 66244/100000 [16:59<11:16, 49.93it/s]
Training Step:
                66%1
                            | 66250/100000 [16:59<11:01, 51.03it/s]
Training Step:
                            | 66256/100000 [16:59<10:34, 53.18it/s]
                66%|
Training Step:
                66% l
                           | 66262/100000 [16:59<10:31, 53.44it/s]
                            | 66268/100000 [16:59<10:29, 53.62it/s]
Training Step:
                66%|
                           | 66275/100000 [16:59<09:58, 56.30it/s]
Training Step:
                66%|
Training Step:
                66%|
                            | 66281/100000 [16:59<09:49, 57.17it/s]
Training Step:
                            | 66287/100000 [16:59<09:54, 56.69it/s]
                66%|
Training Step:
                66%|
                           | 66293/100000 [16:59<09:49, 57.14it/s]
Training Step:
                66%1
                            | 66299/100000 [17:00<09:44, 57.63it/s]
                66%1
                           | 66305/100000 [17:00<09:46, 57.42it/s]
Training Step:
Training Step:
                66%1
                            | 66312/100000 [17:00<09:38, 58.26it/s]
                           | 66319/100000 [17:00<09:20, 60.13it/s]
Training Step:
                66%1
Training Step:
                66%1
                            | 66326/100000 [17:00<09:20, 60.03it/s]
                            | 66333/100000 [17:00<09:21, 59.96it/s]
Training Step:
                66%1
Training Step:
                66%1
                            | 66340/100000 [17:00<09:29, 59.15it/s]
Training Step:
                66%1
                            | 66347/100000 [17:00<09:16, 60.45it/s]
Training Step:
                66%|
                           | 66354/100000 [17:00<09:06, 61.55it/s]
Training Step:
                66%|
                            66362/100000 [17:01<08:47, 63.82it/s]
                           | 66369/100000 [17:01<08:46, 63.94it/s]
Training Step:
                66%|
Training Step:
                66%|
                            66376/100000 [17:01<09:06, 61.53it/s]
Training Step:
                66% l
                            66383/100000 [17:01<09:10, 61.02it/s]
                            | 66390/100000 [17:01<09:29,
Training Step:
                66%|
58.99it/s][INFO] Episode ended! Scenario Index: 1013 Reason:
arrive_dest.
Training Step:
                66%1
                            | 66396/100000 [17:01<11:17, 49.58it/s]
                            | 66402/100000 [17:01<10:59, 50.98it/s]
Training Step:
                66%1
Training Step:
                66%1
                            | 66409/100000 [17:01<10:17, 54.39it/s]
Training Step:
                66%1
                            | 66415/100000 [17:01<10:04, 55.55it/s]
Training Step:
                66%1
                            | 66421/100000 [17:02<09:58, 56.15it/s]
Training Step:
                66%1
                            | 66427/100000 [17:02<09:56, 56.28it/s]
                                         321
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| 66157/100000 [16:57<11:42, 48.16it/s]

| 66162/100000 [16:57<12:07, 46.50it/s]

| 66167/100000 [16:57<12:00, 46.94it/s]

| 66172/100000 [16:57<11:55, 47.27it/s]

| 66178/100000 [16:57<11:48, 47.74it/s]

Training Step:

Training Step:

Training Step:

Training Step:

Training Step:

66%1

66%|

66%1

66%|

66% I

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Training Step:
                            | 66433/100000 [17:02<11:13, 49.81it/s]
                66%|
Training Step:
                66%|
                            | 66439/100000 [17:02<10:41, 52.36it/s]
Training Step:
                66%1
                            | 66446/100000 [17:02<10:08, 55.17it/s]
Training Step:
                66%|
                           | 66454/100000 [17:02<09:26, 59.18it/s]
                            | 66461/100000 [17:02<09:04, 61.57it/s]
Training Step:
                66% I
Training Step:
                           | 66468/100000 [17:02<08:54, 62.68it/s]
                66%|
Training Step:
                66%|
                            66476/100000 [17:03<08:39, 64.54it/s]
Training Step:
                66%|
                            | 66483/100000 [17:03<08:34, 65.17it/s]
                            | 66490/100000 [17:03<08:39, 64.49it/s]
Training Step:
                66%|
Training Step:
                66%|
                            | 66497/100000 [17:03<08:36, 64.85it/s]
                            | 66504/100000 [17:03<08:29, 65.78it/s]
Training Step:
                67%1
                            | 66511/100000 [17:03<08:22, 66.60it/s]
Training Step:
                67%|
                           | 66518/100000 [17:03<08:33, 65.14it/s]
Training Step:
                67%1
Training Step:
                67%|
                            66525/100000 [17:03<08:28, 65.77it/s]
Training Step:
                67%1
                            | 66532/100000 [17:03<08:33, 65.12it/s]
                            | 66539/100000 [17:03<08:41, 64.14it/s]
Training Step:
                67%|
Training Step:
                67%1
                            | 66546/100000 [17:04<08:55, 62.44it/s]
                67%1
                            | 66553/100000 [17:04<09:05,
Training Step:
61.30it/s][INFO] Episode ended! Scenario Index: 1014 Reason: crash
vehicle
                            | 66560/100000 [17:04<10:31, 52.92it/s]
Training Step:
                67%|
Training Step:
                67%1
                            | 66568/100000 [17:04<09:39, 57.68it/s]
Training Step:
                            | 66575/100000 [17:04<09:27, 58.85it/s]
                67%|
Training Step:
                67%|
                            | 66582/100000 [17:04<09:33, 58.25it/s]
                            | 66588/100000 [17:04<10:03, 55.37it/s]
Training Step:
                67%1
                67%1
                           | 66594/100000 [17:04<10:16, 54.22it/s]
Training Step:
Training Step:
                67%|
                            | 66600/100000 [17:05<10:23, 53.57it/s]
                           | 66606/100000 [17:05<10:40, 52.10it/s]
Training Step:
                67%|
Training Step:
                67%1
                            | 66612/100000 [17:05<10:47, 51.60it/s]
                            | 66618/100000 [17:05<10:49, 51.38it/s]
Training Step:
                67%|
Training Step:
                67%1
                            | 66624/100000 [17:05<10:46, 51.61it/s]
Training Step:
                67%|
                            | 66630/100000 [17:05<10:56, 50.86it/s]
Training Step:
                67%|
                           | 66636/100000 [17:05<11:14, 49.49it/s]
Training Step:
                67%|
                            66641/100000 [17:05<11:24, 48.73it/s]
Training Step:
                67%|
                           | 66646/100000 [17:06<11:48, 47.06it/s]
Training Step:
                67%|
                            | 66651/100000 [17:06<11:51, 46.84it/s]
Training Step:
                67%1
                            66656/100000 [17:06<12:15, 45.36it/s]
                            | 66661/100000 [17:06<12:35, 44.11it/s]
Training Step:
                67%|
Training Step:
                67%|
                            | 66666/100000 [17:06<13:45, 40.39it/s]
                67%|
                            | 66671/100000 [17:06<13:10, 42.18it/s]
Training Step:
                            | 66676/100000 [17:06<12:45, 43.54it/s]
Training Step:
                67%|
Training Step:
                67%1
                           | 66682/100000 [17:06<12:15, 45.30it/s]
Training Step:
                67%|
                            | 66688/100000 [17:07<11:48, 47.02it/s]
Training Step:
                67%1
                            | 66694/100000 [17:07<11:26, 48.54it/s]
Training Step:
                67%|
                            | 66700/100000 [17:07<11:02, 50.25it/s]
Training Step:
                67%|
                            | 66706/100000 [17:07<10:37, 52.20it/s]
Training Step:
                67%1
                            | 66712/100000 [17:07<10:25, 53.18it/s]
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Training Step:
                67%1
                            | 66718/100000 [17:07<10:30, 52.80it/s]
Training Step:
                67%1
                            | 66724/100000 [17:07<10:30, 52.75it/s]
Training Step:
                67%1
                            | 66730/100000 [17:07<10:31, 52.71it/s]
Training Step:
                67%|
                            | 66736/100000 [17:07<10:25, 53.16it/s]
                            | 66742/100000 [17:08<10:23, 53.34it/s]
Training Step:
                67% l
Training Step:
                67%|
                            | 66748/100000 [17:08<10:20, 53.55it/s]
Training Step:
                67%|
                            66754/100000 [17:08<10:24, 53.27it/s]
Training Step:
                67%|
                            | 66760/100000 [17:08<10:26, 53.08it/s]
                            | 66766/100000 [17:08<10:24, 53.23it/s]
Training Step:
                67%|
Training Step:
                67%|
                            | 66772/100000 [17:08<10:21, 53.47it/s]
                            | 66778/100000 [17:08<10:21, 53.50it/s]
Training Step:
                67%1
                            | 66784/100000 [17:08<10:30, 52.68it/s]
Training Step:
                67%|
                            | 66790/100000 [17:08<10:30, 52.67it/s]
Training Step:
                67%1
                            | 66796/100000 [17:09<10:37, 52.11it/s]
Training Step:
                67%|
Training Step:
                67%1
                            | 66802/100000 [17:09<10:44, 51.51it/s]
                            | 66808/100000 [17:09<10:38, 52.01it/s]
Training Step:
                67%|
Training Step:
                67%1
                            | 66814/100000 [17:09<10:44, 51.53it/s]
                67%1
                            | 66820/100000 [17:09<10:47, 51.21it/s]
Training Step:
Training Step:
                            | 66826/100000 [17:09<10:48, 51.12it/s]
                67%|
Training Step:
                67%1
                            | 66832/100000 [17:09<10:53, 50.78it/s]
                            | 66838/100000 [17:09<10:46, 51.26it/s]
Training Step:
                67%|
                            | 66844/100000 [17:09<10:41, 51.67it/s]
Training Step:
                67%|
Training Step:
                67%1
                            | 66850/100000 [17:10<10:28, 52.77it/s]
Training Step:
                            | 66856/100000 [17:10<10:20, 53.45it/s]
                67%|
Training Step:
                67%|
                            | 66862/100000 [17:10<10:06, 54.66it/s]
Training Step:
                67%1
                            | 66868/100000 [17:10<10:16, 53.71it/s]
                67%1
                            | 66874/100000 [17:10<10:34, 52.19it/s]
Training Step:
Training Step:
                67%1
                            | 66880/100000 [17:10<10:42, 51.51it/s]
                            | 66886/100000 [17:10<10:37, 51.91it/s]
Training Step:
                67%|
Training Step:
                67%1
                            | 66892/100000 [17:10<10:21, 53.27it/s]
                            | 66898/100000 [17:10<10:27, 52.73it/s]
Training Step:
                67%|
Training Step:
                67%1
                            | 66904/100000 [17:11<10:23, 53.12it/s]
Training Step:
                67%|
                            | 66910/100000 [17:11<10:09, 54.26it/s]
                            | 66916/100000 [17:11<10:12, 54.01it/s]
Training Step:
                67%|
                            | 66922/100000 [17:11<10:19, 53.42it/s]
Training Step:
                67%|
Training Step:
                67%|
                            | 66928/100000 [17:11<10:51, 50.75it/s]
Training Step:
                67%|
                            66934/100000 [17:11<11:17, 48.80it/s]
Training Step:
                67%|
                            66939/100000 [17:11<11:23, 48.36it/s]
                            | 66944/100000 [17:11<11:46, 46.80it/s]
Training Step:
                67%|
Training Step:
                67%|
                            | 66949/100000 [17:12<11:42, 47.03it/s]
                67%|
                            | 66954/100000 [17:12<12:10, 45.24it/s]
Training Step:
                67%1
                            | 66960/100000 [17:12<11:51, 46.46it/s]
Training Step:
Training Step:
                67%1
                            | 66966/100000 [17:12<11:08, 49.41it/s]
                            | 66972/100000 [17:12<10:32, 52.18it/s]
Training Step:
                67%|
Training Step:
                67%1
                            | 66978/100000 [17:12<10:19, 53.27it/s]
Training Step:
                67%|
                            | 66985/100000 [17:12<09:37, 57.18it/s]
Training Step:
                67%1
                            | 66992/100000 [17:12<09:16, 59.31it/s]
Training Step:
                67%1
                            | 67000/100000 [17:12<08:49, 62.35it/s]
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Training Step: 67% | 67008/100000 [17:13<08:26, 65.15it/s]

Training Step: 67% | 67016/100000 [17:13<08:11, 67.05it/s] [INFO] Episode ended! Scenario Index: 1008 Reason: arrive_dest.

Training Step: | 67023/100000 [17:13<09:21, 58.72it/s] 67%| Training Step: 67%| | 67030/100000 [17:13<09:03, 60.68it/s] Training Step: 67%| | 67037/100000 [17:13<08:48, 62.32it/s] | 67044/100000 [17:13<08:47, 62.53it/s] Training Step: 67%| Training Step: 67%| | 67051/100000 [17:13<09:01, 60.85it/s] | 67058/100000 [17:13<09:09, 59.98it/s] Training Step: 67%1 | 67065/100000 [17:13<09:08, 60.09it/s] Training Step: 67%| | 67072/100000 [17:14<09:26, 58.08it/s] Training Step: 67%1 | 67078/100000 [17:14<09:30, 57.68it/s] Training Step: 67%| Training Step: 67%1 | 67085/100000 [17:14<09:17, 59.08it/s] | 67091/100000 [17:14<09:22, 58.54it/s] Training Step: 67%| Training Step: 67%1 | 67097/100000 [17:14<09:19, 58.78it/s] 67%1 | 67104/100000 [17:14<09:12, 59.59it/s] Training Step: Training Step: | 67111/100000 [17:14<09:05, 60.31it/s] 67%| Training Step: 67% l | 67118/100000 [17:14<09:06, 60.20it/s] Training Step: 67%| 67125/100000 [17:14<09:07, 60.05it/s] | 67132/100000 [17:15<09:32, 57.44it/s] Training Step: 67%| Training Step: 67% l | 67138/100000 [17:15<09:38, 56.77it/s] Training Step: | 67144/100000 [17:15<09:42, 56.42it/s] 67%| Training Step: 67%| | 67150/100000 [17:15<09:54, 55.29it/s] Training Step: 67%1 | 67156/100000 [17:15<09:57, 54.94it/s] 67%1 | 67162/100000 [17:15<09:54, 55.27it/s] Training Step: Training Step: 67%1 | 67168/100000 [17:15<10:04, 54.29it/s] | 67174/100000 [17:15<10:03, 54.36it/s] Training Step: 67%| Training Step: 67%1 | 67180/100000 [17:15<10:05, 54.19it/s] | 67186/100000 [17:16<10:10, 53.72it/s] Training Step: 67%| Training Step: 67%1 | 67192/100000 [17:16<10:07, 53.96it/s] Training Step: 67%| | 67198/100000 [17:16<10:04, 54.28it/s] Training Step: 67%| | 67204/100000 [17:16<09:58, 54.81it/s] | 67210/100000 [17:16<10:46, 50.71it/s] Training Step: 67%| | 67216/100000 [17:16<10:32, 51.80it/s] Training Step: 67%| Training Step: 67%| | 67222/100000 [17:16<10:46, 50.73it/s] Training Step: 67% l | 67228/100000 [17:16<10:48, 50.51it/s] Training Step: | 67234/100000 [17:17<10:52, 50.23it/s] 67%| Training Step: 67%| | 67240/100000 [17:17<10:43, 50.93it/s] 67%| | 67246/100000 [17:17<10:36, 51.42it/s] Training Step: Training Step: | 67252/100000 [17:17<10:19, 52.85it/s] 67%| Training Step: 67%1 | 67258/100000 [17:17<09:58, 54.66it/s] Training Step: 67%| | 67264/100000 [17:17<09:52, 55.23it/s] Training Step: 67%| | 67270/100000 [17:17<09:43, 56.10it/s] Training Step: 67%| | 67276/100000 [17:17<09:33, 57.05it/s] Training Step: 67%| | 67282/100000 [17:17<09:28, 57.57it/s] Training Step: 67%1 | 67288/100000 [17:18<09:24, 57.93it/s]

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Training Step:
                67%1
                            | 67306/100000 [17:18<09:18, 58.52it/s]
Training Step:
                67%|
                           | 67312/100000 [17:18<09:17, 58.61it/s]
                            | 67319/100000 [17:18<09:00, 60.49it/s]
Training Step:
                67% l
Training Step:
                           | 67326/100000 [17:18<08:59, 60.59it/s]
                67%|
Training Step:
                67%|
                            67333/100000 [17:18<08:58, 60.69it/s]
Training Step:
                67%|
                            | 67340/100000 [17:18<09:10, 59.34it/s]
                            | 67347/100000 [17:18<09:04, 59.98it/s]
Training Step:
                67%|
Training Step:
                67%|
                            | 67354/100000 [17:19<09:19, 58.35it/s]
                            | 67360/100000 [17:19<09:40, 56.19it/s]
Training Step:
                67%1
                            | 67366/100000 [17:19<09:56, 54.73it/s]
Training Step:
                67%|
                           | 67372/100000 [17:19<10:07, 53.72it/s]
Training Step:
                67%1
                            | 67378/100000 [17:19<10:14, 53.05it/s]
Training Step:
                67%|
                            | 67384/100000 [17:19<10:21, 52.51it/s]
Training Step:
                67%1
                            | 67390/100000 [17:19<10:12, 53.23it/s]
Training Step:
                67%|
Training Step:
                67%1
                            | 67396/100000 [17:19<10:09, 53.47it/s]
                67%1
                            | 67402/100000 [17:20<10:06, 53.79it/s]
Training Step:
Training Step:
                            | 67408/100000 [17:20<10:11, 53.30it/s]
                67%|
Training Step:
                67% l
                           | 67414/100000 [17:20<10:20, 52.54it/s]
Training Step:
                67%|
                            67420/100000 [17:20<10:32, 51.55it/s]
                            | 67426/100000 [17:20<10:10, 53.39it/s]
Training Step:
                67%|
Training Step:
                67% l
                           | 67432/100000 [17:20<09:59, 54.31it/s]
Training Step:
                            | 67438/100000 [17:20<10:03, 53.94it/s]
                67%|
Training Step:
                67%|
                           | 67444/100000 [17:20<10:02, 54.02it/s]
Training Step:
                67%|
                            | 67450/100000 [17:20<10:01, 54.10it/s]
                67%|
                            | 67456/100000 [17:21<10:22, 52.25it/s]
Training Step:
Training Step:
                67%|
                            | 67462/100000 [17:21<11:03, 49.03it/s]
Training Step:
                67%|
                            67468/100000 [17:21<10:49,
50.06it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
out_of_road.
Training Step:
                67%|
                            | 67474/100000 [17:21<12:38, 42.86it/s]
Training Step:
                67%|
                            | 67481/100000 [17:21<11:00, 49.22it/s]
                            | 67488/100000 [17:21<10:12, 53.10it/s]
Training Step:
                67%|
                           | 67495/100000 [17:21<09:31, 56.89it/s]
Training Step:
                67%|
Training Step:
                68%|
                            | 67502/100000 [17:21<09:25, 57.47it/s]
Training Step:
                68%|
                            67508/100000 [17:22<09:20, 57.99it/s]
Training Step:
                            | 67515/100000 [17:22<09:05, 59.50it/s]
                68%|
Training Step:
                68%|
                            | 67522/100000 [17:22<09:07, 59.29it/s]
                68%|
                           | 67528/100000 [17:22<09:13, 58.68it/s]
Training Step:
                            | 67534/100000 [17:22<09:24, 57.56it/s]
Training Step:
                68% I
Training Step:
                68%1
                           | 67540/100000 [17:22<09:21, 57.80it/s]
Training Step:
                68% I
                            | 67546/100000 [17:22<09:21, 57.80it/s]
Training Step:
                68%1
                            | 67552/100000 [17:22<09:27, 57.20it/s]
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| 67294/100000 [17:18<09:22, 58.10it/s]

| 67300/100000 [17:18<09:23, 58.03it/s]

Training Step:

Training Step:

Training Step:

Training Step:

Training Step:

68% l

68%|

68%1

67%|

67%|

| 67558/100000 [17:22<09:33, 56.54it/s]

| 67564/100000 [17:22<09:31, 56.72it/s]

| 67570/100000 [17:23<09:36, 56.21it/s]

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Training Step:
                68%1
                            | 67576/100000 [17:23<09:34, 56.48it/s]
Training Step:
                68%1
                            | 67582/100000 [17:23<09:35, 56.36it/s]
Training Step:
                68%1
                            | 67588/100000 [17:23<09:40, 55.81it/s]
Training Step:
                68%|
                            | 67594/100000 [17:23<09:44, 55.42it/s]
                            | 67600/100000 [17:23<09:34, 56.40it/s]
Training Step:
                68% I
Training Step:
                            | 67606/100000 [17:23<09:36, 56.15it/s]
                68%|
Training Step:
                68%|
                            67612/100000 [17:23<09:39, 55.92it/s]
Training Step:
                68%|
                            | 67618/100000 [17:23<09:45, 55.35it/s]
                            | 67624/100000 [17:24<09:44, 55.41it/s]
Training Step:
                68%|
Training Step:
                68%|
                            | 67630/100000 [17:24<09:49, 54.92it/s]
                            | 67636/100000 [17:24<09:48, 54.96it/s]
Training Step:
                68%1
                            | 67642/100000 [17:24<09:50, 54.78it/s]
Training Step:
                68% I
                            | 67648/100000 [17:24<09:59, 53.97it/s]
Training Step:
                68%1
                            | 67654/100000 [17:24<10:05, 53.42it/s]
Training Step:
                68% I
Training Step:
                68%1
                            | 67660/100000 [17:24<10:18, 52.26it/s]
                            | 67666/100000 [17:24<10:17, 52.34it/s]
Training Step:
                68% I
Training Step:
                68%1
                            | 67672/100000 [17:24<10:08, 53.13it/s]
                68%1
                            | 67678/100000 [17:25<10:05, 53.40it/s]
Training Step:
Training Step:
                            | 67684/100000 [17:25<10:12, 52.77it/s]
                68%|
Training Step:
                68% I
                            | 67690/100000 [17:25<10:14, 52.59it/s]
                            | 67696/100000 [17:25<10:12, 52.74it/s]
Training Step:
                68%|
                            | 67702/100000 [17:25<10:15, 52.50it/s]
Training Step:
                68%|
Training Step:
                68%|
                            | 67708/100000 [17:25<10:28, 51.37it/s]
Training Step:
                            | 67714/100000 [17:25<10:32, 51.06it/s]
                68%|
Training Step:
                68%|
                            | 67720/100000 [17:25<10:21, 51.96it/s]
Training Step:
                68%1
                            | 67726/100000 [17:26<10:28, 51.35it/s]
                68%1
                            | 67732/100000 [17:26<10:46, 49.93it/s]
Training Step:
Training Step:
                68%1
                            | 67738/100000 [17:26<10:54, 49.33it/s]
                            | 67744/100000 [17:26<10:55, 49.22it/s]
Training Step:
                68% I
Training Step:
                68%1
                            | 67750/100000 [17:26<10:49, 49.65it/s]
                68%1
                            | 67755/100000 [17:26<11:08, 48.21it/s]
Training Step:
Training Step:
                68%1
                            | 67760/100000 [17:26<12:04, 44.49it/s]
Training Step:
                68%1
                            | 67765/100000 [17:26<12:34, 42.73it/s]
                            | 67770/100000 [17:27<12:57, 41.45it/s]
Training Step:
                68%|
Training Step:
                68%|
                            | 67775/100000 [17:27<12:58, 41.42it/s]
Training Step:
                68%|
                            | 67780/100000 [17:27<13:04, 41.06it/s]
Training Step:
                68%|
                            67785/100000 [17:27<13:07, 40.93it/s]
Training Step:
                68%|
                            | 67790/100000 [17:27<13:10, 40.74it/s]
                            | 67795/100000 [17:27<13:09, 40.82it/s]
Training Step:
                68%|
Training Step:
                68%|
                            | 67800/100000 [17:27<13:15, 40.48it/s]
                68%|
                            | 67805/100000 [17:27<13:07, 40.86it/s]
Training Step:
                68%1
                            | 67810/100000 [17:28<12:56, 41.48it/s]
Training Step:
Training Step:
                68%1
                            | 67815/100000 [17:28<12:48, 41.87it/s]
Training Step:
                68% I
                            | 67820/100000 [17:28<12:53, 41.60it/s]
Training Step:
                68%1
                            | 67825/100000 [17:28<12:56, 41.42it/s]
Training Step:
                68% I
                            | 67830/100000 [17:28<13:14, 40.49it/s]
Training Step:
                68%1
                            | 67835/100000 [17:28<12:58, 41.34it/s]
Training Step:
                68%1
                            | 67840/100000 [17:28<13:05, 40.93it/s]
```

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Training Step:
                68%1
                            | 67845/100000 [17:28<13:13, 40.55it/s]
Training Step:
                68%|
                            | 67850/100000 [17:28<13:29, 39.71it/s]
Training Step:
                68%1
                            | 67854/100000 [17:29<13:34, 39.48it/s]
Training Step:
                68%|
                            | 67858/100000 [17:29<13:40, 39.18it/s]
                            | 67863/100000 [17:29<12:54, 41.49it/s]
Training Step:
                68% I
Training Step:
                            | 67868/100000 [17:29<12:41, 42.21it/s]
                68%|
Training Step:
                68%|
                            | 67873/100000 [17:29<12:22, 43.29it/s]
Training Step:
                68%|
                            67878/100000 [17:29<12:01, 44.53it/s]
                            | 67884/100000 [17:29<11:35, 46.16it/s]
Training Step:
                68%|
Training Step:
                68%|
                            | 67890/100000 [17:29<11:13, 47.69it/s]
                            | 67896/100000 [17:29<11:06, 48.16it/s]
Training Step:
                68%1
                            | 67902/100000 [17:30<10:53, 49.10it/s]
Training Step:
                68% I
                            | 67908/100000 [17:30<10:43, 49.88it/s]
Training Step:
                68%1
                            | 67914/100000 [17:30<10:27, 51.09it/s]
Training Step:
                68% I
Training Step:
                68%1
                            | 67920/100000 [17:30<10:19, 51.82it/s]
                            | 67926/100000 [17:30<10:01, 53.33it/s]
Training Step:
                68% I
Training Step:
                68%1
                            | 67932/100000 [17:30<10:03, 53.12it/s]
                68%1
                            | 67938/100000 [17:30<09:55, 53.83it/s]
Training Step:
Training Step:
                            | 67944/100000 [17:30<09:48, 54.49it/s]
                68%|
Training Step:
                68% l
                            | 67950/100000 [17:30<09:38, 55.43it/s]
Training Step:
                68%|
                            | 67957/100000 [17:31<09:13, 57.92it/s]
                            | 67964/100000 [17:31<08:50, 60.40it/s]
Training Step:
                68%|
Training Step:
                68%|
                            | 67971/100000 [17:31<08:44, 61.05it/s]
Training Step:
                            | 67978/100000 [17:31<08:47, 60.72it/s]
                68%|
Training Step:
                68%|
                            | 67985/100000 [17:31<08:33, 62.34it/s]
Training Step:
                68%1
                            | 67993/100000 [17:31<08:06, 65.82it/s]
                68%1
                            | 68000/100000 [17:31<08:13, 64.81it/s]
Training Step:
Training Step:
                68%1
                            | 68008/100000 [17:31<07:44,
68.85it/s][INFO] Episode ended! Scenario Index: 1006 Reason:
arrive_dest.
```

Training Step: 68%1 | 68015/100000 [17:32<08:50, 60.28it/s] Training Step: 68%1 | 68022/100000 [17:32<08:39, 61.53it/s] Training Step: 68%| | 68029/100000 [17:32<08:23, 63.52it/s] | 68036/100000 [17:32<08:21, 63.75it/s] Training Step: 68%| | 68044/100000 [17:32<08:01, 66.42it/s] Training Step: 68%| | 68051/100000 [17:32<07:55, 67.23it/s] Training Step: 68%| Training Step: 68% I 68058/100000 [17:32<08:10, 65.11it/s] Training Step: | 68065/100000 [17:32<08:11, 64.95it/s] 68%| Training Step: 68%| | 68072/100000 [17:32<08:21, 63.73it/s] 68%| | 68079/100000 [17:32<08:15, 64.39it/s] Training Step: Training Step: | 68086/100000 [17:33<08:32, 62.32it/s] 68% I Training Step: 68%1 | 68093/100000 [17:33<08:17, 64.07it/s] Training Step: 68% I | 68100/100000 [17:33<08:20, 63.77it/s] Training Step: 68%1 | 68107/100000 [17:33<08:29, 62.54it/s] Training Step: 68% I | 68114/100000 [17:33<08:42, 61.05it/s] Training Step: 68%1 | 68121/100000 [17:33<08:55, 59.54it/s] Training Step: 68%1 | 68127/100000 [17:33<09:12, 57.66it/s]

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Training Step:
                            | 68133/100000 [17:33<09:19, 56.95it/s]
                68% l
Training Step:
                68%|
                            | 68139/100000 [17:34<09:26, 56.25it/s]
Training Step:
                68%1
                            | 68145/100000 [17:34<09:34, 55.46it/s]
                68%|
                            | 68151/100000 [17:34<09:35,
Training Step:
55.34it/s][INFO] Episode ended! Scenario Index: 1019 Reason: crash
vehicle
Training Step:
                68%|
                            68157/100000 [17:34<10:23, 51.04it/s]
                            | 68164/100000 [17:34<09:38, 55.02it/s]
Training Step:
                68%|
Training Step:
                68%|
                            | 68172/100000 [17:34<09:00, 58.90it/s]
                            | 68178/100000 [17:34<09:23, 56.46it/s]
Training Step:
                68%1
                            | 68184/100000 [17:34<09:38, 54.99it/s]
Training Step:
                68% I
                           | 68190/100000 [17:34<09:59, 53.06it/s]
Training Step:
                68%1
                            | 68196/100000 [17:35<10:05, 52.53it/s]
Training Step:
                68% I
                            | 68202/100000 [17:35<10:06, 52.43it/s]
Training Step:
                68%1
                            | 68208/100000 [17:35<10:07, 52.35it/s]
Training Step:
                68% l
Training Step:
                68%1
                            | 68214/100000 [17:35<10:15, 51.62it/s]
                68%1
                           | 68220/100000 [17:35<10:13, 51.81it/s]
Training Step:
Training Step:
                            | 68226/100000 [17:35<10:08, 52.21it/s]
                68%|
Training Step:
                68% l
                           | 68232/100000 [17:35<10:11, 51.92it/s]
Training Step:
                68%|
                            68238/100000 [17:35<10:16, 51.54it/s]
                           | 68244/100000 [17:35<10:07, 52.23it/s]
Training Step:
                68%|
Training Step:
                68%|
                           | 68250/100000 [17:36<10:01, 52.76it/s]
                            | 68256/100000 [17:36<10:03, 52.59it/s]
Training Step:
                68%|
Training Step:
                68%|
                           | 68262/100000 [17:36<10:01, 52.75it/s]
Training Step:
                68%1
                            | 68268/100000 [17:36<09:53, 53.49it/s]
                68%1
                           | 68274/100000 [17:36<09:56, 53.15it/s]
Training Step:
Training Step:
                68%|
                            | 68280/100000 [17:36<09:53, 53.42it/s]
                           | 68286/100000 [17:36<10:04, 52.48it/s]
Training Step:
                68% I
Training Step:
                68%1
                            | 68292/100000 [17:36<10:24, 50.79it/s]
                            | 68298/100000 [17:37<10:25, 50.68it/s]
Training Step:
                68% I
Training Step:
                68%1
                            | 68304/100000 [17:37<10:31, 50.22it/s]
Training Step:
                68% l
                            | 68310/100000 [17:37<10:27, 50.53it/s]
Training Step:
                68%|
                           | 68316/100000 [17:37<10:31, 50.20it/s]
                            | 68322/100000 [17:37<10:24, 50.75it/s]
Training Step:
                68%|
                           | 68328/100000 [17:37<10:17, 51.27it/s]
Training Step:
                68%|
Training Step:
                68%|
                            68334/100000 [17:37<10:01, 52.64it/s]
Training Step:
                68%|
                            | 68340/100000 [17:37<09:54, 53.24it/s]
                            | 68346/100000 [17:37<09:41, 54.39it/s]
Training Step:
                68%|
Training Step:
                68%|
                            | 68352/100000 [17:38<09:43, 54.27it/s]
                68%|
                           | 68358/100000 [17:38<09:41, 54.42it/s]
Training Step:
                            68364/100000 [17:38<09:42, 54.31it/s]
Training Step:
                68% I
Training Step:
                68%1
                           | 68370/100000 [17:38<09:39, 54.55it/s]
Training Step:
                68% I
                            68376/100000 [17:38<09:53, 53.24it/s]
Training Step:
                68%1
                            | 68382/100000 [17:38<09:44, 54.06it/s]
Training Step:
                68% l
                            | 68388/100000 [17:38<09:43, 54.20it/s]
Training Step:
                68%|
                            | 68394/100000 [17:38<09:45, 54.02it/s]
Training Step:
                68%1
                            | 68400/100000 [17:38<09:51, 53.45it/s]
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Training Step:
                68%1
                            | 68418/100000 [17:39<09:47, 53.74it/s]
Training Step:
                68%|
                           | 68424/100000 [17:39<09:49, 53.54it/s]
Training Step:
                68% l
                            68430/100000 [17:39<09:57, 52.84it/s]
Training Step:
                           | 68436/100000 [17:39<09:46, 53.78it/s]
                68%|
Training Step:
                68%|
                            68443/100000 [17:39<09:23, 56.01it/s]
Training Step:
                68%|
                            | 68450/100000 [17:39<09:14, 56.91it/s]
Training Step:
                68%|
                            68456/100000 [17:39<09:26, 55.68it/s]
Training Step:
                68%|
                            | 68462/100000 [17:40<09:45, 53.85it/s]
                            | 68468/100000 [17:40<10:04, 52.13it/s]
Training Step:
                68%1
                            | 68474/100000 [17:40<10:04, 52.12it/s]
Training Step:
                68% I
                           | 68480/100000 [17:40<09:58, 52.66it/s]
Training Step:
                68%1
Training Step:
                68% I
                            | 68486/100000 [17:40<09:46, 53.77it/s]
Training Step:
                68%1
                            | 68492/100000 [17:40<09:39, 54.33it/s]
                            | 68498/100000 [17:40<09:41, 54.14it/s]
Training Step:
                68% l
Training Step:
                69%1
                            | 68504/100000 [17:40<09:34, 54.85it/s]
                69%1
                            | 68510/100000 [17:40<09:27, 55.52it/s]
Training Step:
Training Step:
                            | 68516/100000 [17:41<09:41, 54.18it/s]
                69%|
Training Step:
                69% l
                           | 68522/100000 [17:41<09:57, 52.72it/s]
Training Step:
                69%|
                            68528/100000 [17:41<10:11, 51.47it/s]
                            | 68534/100000 [17:41<09:58, 52.61it/s]
Training Step:
                69%|
Training Step:
                69%|
                            | 68540/100000 [17:41<09:47, 53.59it/s]
                            | 68546/100000 [17:41<09:41, 54.06it/s]
Training Step:
                69%|
Training Step:
                69%|
                            | 68552/100000 [17:41<09:27, 55.40it/s]
Training Step:
                69%1
                            | 68558/100000 [17:41<09:24, 55.68it/s]
                69%1
                           | 68564/100000 [17:41<09:18, 56.27it/s]
Training Step:
Training Step:
                69%1
                            | 68570/100000 [17:42<09:09, 57.17it/s]
                           | 68577/100000 [17:42<08:43, 60.02it/s]
Training Step:
                69%1
Training Step:
                69%1
                            | 68584/100000 [17:42<08:35, 60.99it/s]
                            | 68591/100000 [17:42<08:16, 63.21it/s]
Training Step:
                69%|
Training Step:
                69%1
                            | 68598/100000 [17:42<08:12, 63.70it/s]
Training Step:
                69%|
                            | 68606/100000 [17:42<08:00, 65.31it/s]
Training Step:
                69%|
                            | 68614/100000 [17:42<07:51, 66.62it/s]
Training Step:
                69%|
                            | 68622/100000 [17:42<07:42,
67.91it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
arrive dest.
Training Step:
                            | 68629/100000 [17:43<09:00, 58.02it/s]
                69%|
Training Step:
                69%|
                            | 68636/100000 [17:43<08:36, 60.73it/s]
                69%|
                            | 68644/100000 [17:43<08:10, 63.95it/s]
Training Step:
                            | 68651/100000 [17:43<08:32, 61.12it/s]
Training Step:
                69%1
Training Step:
                69%1
                           | 68658/100000 [17:43<09:11, 56.88it/s]
Training Step:
                69%1
                            | 68664/100000 [17:43<09:24, 55.56it/s]
Training Step:
                69%1
                            | 68670/100000 [17:43<09:40, 53.95it/s]
Training Step:
                69%1
                            | 68676/100000 [17:43<09:53, 52.74it/s]
Training Step:
                69%1
                            | 68682/100000 [17:43<10:07, 51.54it/s]
Training Step:
                69%1
                            | 68688/100000 [17:44<10:34, 49.38it/s]
```

| 68406/100000 [17:39<09:49, 53.63it/s]

| 68412/100000 [17:39<09:52, 53.33it/s]

Training Step:

Training Step:

68% l

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Training Step:
                            | 68694/100000 [17:44<10:30, 49.68it/s]
                69%1
Training Step:
                69%1
                            | 68700/100000 [17:44<10:28, 49.77it/s]
Training Step:
                69%1
                            | 68705/100000 [17:44<10:35, 49.21it/s]
Training Step:
                69%|
                           | 68710/100000 [17:44<10:36, 49.15it/s]
Training Step:
                69% l
                            68716/100000 [17:44<10:36, 49.16it/s]
Training Step:
                            | 68721/100000 [17:44<10:37, 49.07it/s]
                69%|
Training Step:
                69%|
                            68726/100000 [17:44<10:48, 48.23it/s]
Training Step:
                69%|
                            68731/100000 [17:44<11:08, 46.76it/s]
                            | 68736/100000 [17:45<10:59, 47.40it/s]
Training Step:
                69%|
Training Step:
                69%|
                            | 68741/100000 [17:45<11:00, 47.33it/s]
                            | 68746/100000 [17:45<11:06, 46.89it/s]
Training Step:
                69%1
Training Step:
                69%1
                            | 68752/100000 [17:45<11:01, 47.26it/s]
Training Step:
                           | 68757/100000 [17:45<11:06, 46.85it/s]
                69%1
Training Step:
                69%1
                            | 68762/100000 [17:45<11:09, 46.69it/s]
Training Step:
                69%1
                            | 68767/100000 [17:45<11:03, 47.09it/s]
                            | 68772/100000 [17:45<10:57, 47.51it/s]
Training Step:
                69%1
Training Step:
                69%1
                            | 68777/100000 [17:45<10:51, 47.95it/s]
                69%1
                            | 68782/100000 [17:46<10:46, 48.26it/s]
Training Step:
Training Step:
                            | 68788/100000 [17:46<10:42, 48.55it/s]
                69%|
Training Step:
                69% I
                           | 68793/100000 [17:46<10:39, 48.82it/s]
Training Step:
                69%|
                            68798/100000 [17:46<10:42, 48.60it/s]
                            | 68804/100000 [17:46<10:30, 49.46it/s]
Training Step:
                69%|
Training Step:
                69% I
                            | 68810/100000 [17:46<10:23, 50.03it/s]
                            | 68816/100000 [17:46<10:21, 50.15it/s]
Training Step:
                69%|
Training Step:
                69%|
                            | 68822/100000 [17:46<10:15, 50.70it/s]
Training Step:
                69%1
                            | 68828/100000 [17:46<10:29, 49.54it/s]
                69%1
                           | 68833/100000 [17:47<10:27, 49.66it/s]
Training Step:
Training Step:
                69%1
                            | 68838/100000 [17:47<10:46, 48.18it/s]
                           | 68843/100000 [17:47<10:51, 47.84it/s]
Training Step:
                69%1
Training Step:
                69%1
                            | 68848/100000 [17:47<10:53, 47.64it/s]
                            | 68854/100000 [17:47<10:47, 48.11it/s]
Training Step:
                69%1
Training Step:
                69%1
                            | 68859/100000 [17:47<10:41, 48.53it/s]
Training Step:
                69%1
                            | 68864/100000 [17:47<10:47, 48.07it/s]
                           | 68869/100000 [17:47<10:47, 48.11it/s]
Training Step:
                69%|
Training Step:
                69%|
                            68874/100000 [17:47<10:47, 48.10it/s]
Training Step:
                69%|
                           | 68879/100000 [17:48<10:54, 47.55it/s]
Training Step:
                69%|
                            68884/100000 [17:48<11:22, 45.58it/s]
Training Step:
                69%|
                            68889/100000 [17:48<11:28, 45.17it/s]
                            | 68894/100000 [17:48<11:38, 44.51it/s]
Training Step:
                69%|
Training Step:
                69%|
                            | 68899/100000 [17:48<11:19, 45.77it/s]
                69%|
                           | 68904/100000 [17:48<11:38, 44.52it/s]
Training Step:
                69%1
                            | 68910/100000 [17:48<11:22, 45.55it/s]
Training Step:
Training Step:
                69%1
                           | 68915/100000 [17:48<11:13, 46.13it/s]
Training Step:
                69%1
                            | 68920/100000 [17:48<11:07, 46.55it/s]
Training Step:
                69%1
                            | 68925/100000 [17:49<10:55, 47.38it/s]
Training Step:
                69%1
                            | 68930/100000 [17:49<11:00, 47.03it/s]
                            | 68935/100000 [17:49<11:07, 46.56it/s]
Training Step:
                69%1
Training Step:
                69%1
                            | 68940/100000 [17:49<11:00, 47.00it/s]
```

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Training Step:
                           | 68946/100000 [17:49<10:43, 48.24it/s]
                69%|
Training Step:
                69%|
                           | 68952/100000 [17:49<10:09, 50.96it/s]
Training Step:
                69%1
                           | 68958/100000 [17:49<09:54, 52.19it/s]
Training Step:
                69%|
                           | 68964/100000 [17:49<10:08, 51.00it/s]
                           | 68970/100000 [17:49<10:23, 49.78it/s]
Training Step:
                69%1
Training Step:
                69%|
                           | 68976/100000 [17:50<10:21, 49.91it/s]
Training Step:
                69%|
                           68983/100000 [17:50<09:45, 53.00it/s]
Training Step:
                69%|
                           | 68989/100000 [17:50<09:31, 54.29it/s]
Training Step:
                69%|
                           | 68995/100000 [17:50<09:16, 55.74it/s]
Training Step:
                69%|
                           | 69001/100000 [17:50<09:07, 56.61it/s]
                           | 69008/100000 [17:50<08:51, 58.27it/s]
Training Step:
                69%|
                           | 69015/100000 [17:50<08:37, 59.89it/s]
Training Step:
                69%|
                           | 69021/100000 [17:50<08:42, 59.25it/s]
Training Step:
                69%|
                           | 69027/100000 [17:50<09:31, 54.24it/s]
Training Step:
                69%1
                           | 69033/100000 [17:51<09:34, 53.90it/s]
Training Step:
                69%1
                69%1
                           | 69039/100000 [17:51<09:29, 54.38it/s]
Training Step:
Training Step:
                69%|
                           | 69045/100000 [17:51<09:18, 55.47it/s]
                69%1
                           | 69051/100000 [17:51<09:12, 56.03it/s]
Training Step:
Training Step:
                           | 69058/100000 [17:51<08:58, 57.44it/s]
                69%|
Training Step:
                69% l
                           | 69064/100000 [17:51<08:51, 58.16it/s]
Training Step:
                69%|
                           | 69070/100000 [17:51<09:06, 56.58it/s]
Training Step:
                69%|
                           | 69077/100000 [17:51<08:43,
59.04it/s][INFO] Episode ended! Scenario Index: 1012 Reason:
arrive dest.
Training Step:
                69%|
                           | 69083/100000 [17:52<10:11, 50.58it/s]
                           | 69090/100000 [17:52<09:27, 54.47it/s]
                69%1
Training Step:
Training Step:
                69%1
                           | 69098/100000 [17:52<08:31, 60.42it/s]
                           | 69106/100000 [17:52<08:11, 62.92it/s]
Training Step:
                69%|
Training Step:
                69%1
                           | 69113/100000 [17:52<08:19, 61.82it/s]
                69%1
                           | 69120/100000 [17:52<08:34, 59.99it/s]
Training Step:
Training Step:
                69%|
                           | 69127/100000 [17:52<08:39, 59.46it/s]
Training Step:
                69%|
                           | 69133/100000 [17:52<08:58, 57.33it/s]
                           | 69139/100000 [17:52<10:16, 50.04it/s]
Training Step:
                69%|
Training Step:
                69%|
                           69145/100000 [17:53<11:37, 44.25it/s]
Training Step:
                69%|
                           | 69150/100000 [17:53<11:23, 45.15it/s]
Training Step:
                69%|
                           | 69155/100000 [17:53<11:12,
45.87it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
out_of_road.
Training Step:
                           | 69160/100000 [17:53<14:11, 36.21it/s]
                69%|
Training Step:
                69%1
                           | 69166/100000 [17:53<12:53, 39.88it/s]
Training Step:
                69%1
                           | 69172/100000 [17:53<11:36, 44.26it/s]
Training Step:
                69%1
                           69178/100000 [17:53<11:19, 45.39it/s]
Training Step:
                69%1
                           | 69183/100000 [17:54<11:40, 44.01it/s]
Training Step:
                69%|
                           | 69188/100000 [17:54<13:40, 37.55it/s]
Training Step:
                69%|
                           | 69193/100000 [17:54<14:06, 36.40it/s]
Training Step:
                69%|
                           | 69197/100000 [17:54<14:27, 35.52it/s]
```

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Training Step:
                            | 69201/100000 [17:54<14:45, 34.77it/s]
                69%1
Training Step:
                69%1
                            | 69205/100000 [17:54<15:08, 33.90it/s]
Training Step:
                69%1
                            | 69209/100000 [17:54<17:51, 28.74it/s]
Training Step:
                69%|
                           | 69213/100000 [17:55<17:13, 29.78it/s]
                            | 69217/100000 [17:55<17:32, 29.24it/s]
Training Step:
                69% l
Training Step:
                           | 69221/100000 [17:55<16:50, 30.46it/s]
                69%|
Training Step:
                69%|
                            | 69225/100000 [17:55<16:26, 31.18it/s]
Training Step:
                69%|
                            | 69229/100000 [17:55<16:23, 31.27it/s]
Training Step:
                69%|
                            69233/100000 [17:55<16:12, 31.64it/s]
Training Step:
                69%|
                            | 69237/100000 [17:55<15:11, 33.74it/s]
                            | 69241/100000 [17:55<14:33, 35.22it/s]
Training Step:
                69%1
                            | 69246/100000 [17:56<13:51, 37.00it/s]
Training Step:
                69%1
Training Step:
                           | 69251/100000 [17:56<12:58, 39.47it/s]
                69%1
Training Step:
                69%1
                            | 69256/100000 [17:56<12:25, 41.26it/s]
Training Step:
                69%1
                            | 69261/100000 [17:56<11:57, 42.82it/s]
                            | 69266/100000 [17:56<11:45, 43.56it/s]
Training Step:
                69%1
Training Step:
                69%1
                            | 69271/100000 [17:56<11:32, 44.37it/s]
                69%1
                            | 69276/100000 [17:56<11:33, 44.33it/s]
Training Step:
Training Step:
                            | 69282/100000 [17:56<11:10, 45.78it/s]
                69%|
Training Step:
                69%1
                           | 69288/100000 [17:56<10:56, 46.76it/s]
Training Step:
                69%|
                            69293/100000 [17:57<10:58, 46.63it/s]
Training Step:
                69%|
                            69298/100000 [17:57<11:05, 46.16it/s]
Training Step:
                69%|
                           | 69303/100000 [17:57<10:50, 47.22it/s]
                            | 69308/100000 [17:57<10:50, 47.20it/s]
Training Step:
                69%|
Training Step:
                69%|
                           | 69313/100000 [17:57<10:46, 47.46it/s]
Training Step:
                69%1
                            | 69318/100000 [17:57<10:49, 47.24it/s]
                69%1
                           | 69324/100000 [17:57<10:40, 47.89it/s]
Training Step:
Training Step:
                69%1
                            | 69330/100000 [17:57<10:31, 48.56it/s]
                           | 69336/100000 [17:57<10:32, 48.50it/s]
Training Step:
                69%1
Training Step:
                69%1
                            | 69342/100000 [17:58<10:23, 49.18it/s]
                            | 69348/100000 [17:58<10:19, 49.50it/s]
Training Step:
                69%1
Training Step:
                69%1
                            | 69354/100000 [17:58<10:11, 50.11it/s]
Training Step:
                69%1
                            | 69360/100000 [17:58<09:44, 52.38it/s]
Training Step:
                69%|
                           | 69366/100000 [17:58<09:37, 53.02it/s]
                            | 69372/100000 [17:58<09:32, 53.47it/s]
Training Step:
                69%|
Training Step:
                69%|
                           | 69378/100000 [17:58<09:33, 53.42it/s]
Training Step:
                69%|
                            69384/100000 [17:58<09:48, 52.00it/s]
Training Step:
                69%|
                            69390/100000 [17:58<09:41, 52.67it/s]
                            | 69396/100000 [17:59<09:36, 53.08it/s]
Training Step:
                69%|
Training Step:
                69%|
                            | 69402/100000 [17:59<09:33, 53.37it/s]
                69%|
                           | 69408/100000 [17:59<09:40, 52.72it/s]
Training Step:
                69%1
                            | 69414/100000 [17:59<09:52, 51.61it/s]
Training Step:
Training Step:
                69%1
                           | 69420/100000 [17:59<10:05, 50.47it/s]
Training Step:
                69%1
                            | 69426/100000 [17:59<10:16, 49.58it/s]
Training Step:
                69%1
                            | 69431/100000 [17:59<10:16, 49.56it/s]
Training Step:
                69%1
                            | 69436/100000 [17:59<10:23, 49.01it/s]
Training Step:
                69%1
                            | 69442/100000 [17:59<10:24, 48.94it/s]
Training Step:
                69%1
                            | 69447/100000 [18:00<10:29, 48.57it/s]
```

Training Step: 69% | 69452/100000 [18:00<10:26, 48.77it/s] [INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.

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| 69457/100000 [18:00<12:46, 39.84it/s]
Training Step:
                69%|
Training Step:
                69%|
                           | 69464/100000 [18:00<10:48, 47.08it/s]
Training Step:
                69%|
                           | 69471/100000 [18:00<09:36, 52.91it/s]
Training Step:
                69% l
                           | 69478/100000 [18:00<09:02, 56.31it/s]
                           | 69484/100000 [18:00<09:01, 56.39it/s]
Training Step:
                69%|
Training Step:
                69%|
                           | 69490/100000 [18:00<08:55, 56.92it/s]
                           | 69496/100000 [18:00<08:55, 57.00it/s]
Training Step:
                69%|
                           | 69502/100000 [18:01<08:54, 57.04it/s]
Training Step:
                70%|
                           | 69508/100000 [18:01<08:58, 56.59it/s]
Training Step:
                70%|
Training Step:
                70%
                           | 69514/100000 [18:01<08:50, 57.44it/s]
Training Step:
                70%|
                           | 69520/100000 [18:01<08:46, 57.85it/s]
                70%|
                           | 69526/100000 [18:01<08:42, 58.30it/s]
Training Step:
Training Step:
                70%|
                           | 69532/100000 [18:01<08:39, 58.63it/s]
Training Step:
                70%|
                           | 69538/100000 [18:01<08:43, 58.18it/s]
Training Step:
                           | 69544/100000 [18:01<08:50, 57.37it/s]
                70%|
Training Step:
                70%1
                           | 69550/100000 [18:01<08:59, 56.49it/s]
Training Step:
                70%|
                           69556/100000 [18:02<09:07, 55.58it/s]
                           | 69562/100000 [18:02<09:32, 53.21it/s]
Training Step:
                70%|
Training Step:
                70%1
                           | 69568/100000 [18:02<09:35, 52.84it/s]
                           | 69574/100000 [18:02<09:17, 54.55it/s]
Training Step:
                70%|
Training Step:
                70%|
                           | 69580/100000 [18:02<09:20, 54.26it/s]
Training Step:
                70%|
                           | 69586/100000 [18:02<09:55, 51.11it/s]
                70%|
                           | 69592/100000 [18:02<10:18, 49.16it/s]
Training Step:
Training Step:
                70%|
                           | 69597/100000 [18:02<10:35, 47.85it/s]
                           | 69602/100000 [18:02<11:01, 45.99it/s]
Training Step:
                70%|
Training Step:
                70%|
                           | 69607/100000 [18:03<10:57, 46.19it/s]
                70%|
                           | 69612/100000 [18:03<11:04, 45.75it/s]
Training Step:
Training Step:
                70%|
                           | 69618/100000 [18:03<10:50, 46.72it/s]
Training Step:
                70%|
                           | 69623/100000 [18:03<10:38, 47.57it/s]
Training Step:
                70%|
                           | 69628/100000 [18:03<10:59, 46.07it/s]
Training Step:
                70%|
                           | 69633/100000 [18:03<10:58, 46.14it/s]
Training Step:
                70%|
                           | 69638/100000 [18:03<11:17,
44.83it/s][INFO] Episode ended! Scenario Index: 1004 Reason: crash
vehicle
```

Training Step: 70%| | 69643/100000 [18:03<12:52, 39.31it/s] Training Step: 70%| | 69650/100000 [18:04<11:14, 44.99it/s] Training Step: 70%| | 69658/100000 [18:04<09:35, 52.69it/s] Training Step: 70%| | 69666/100000 [18:04<08:45, 57.73it/s] Training Step: 70% | 69672/100000 [18:04<08:49, 57.27it/s] Training Step: 70%| | 69679/100000 [18:04<08:31, 59.27it/s] Training Step: 70%| | 69686/100000 [18:04<08:33, 59.08it/s] Training Step: 70%| | 69692/100000 [18:04<08:33, 59.01it/s]

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Training Step:
                70%|
                            | 69704/100000 [18:04<08:40, 58.20it/s]
Training Step:
                70%|
                            | 69710/100000 [18:05<08:44, 57.71it/s]
Training Step:
                70%|
                            | 69716/100000 [18:05<08:43, 57.86it/s]
Training Step:
                70%|
                            | 69722/100000 [18:05<08:44, 57.70it/s]
Training Step:
                70%1
                            69729/100000 [18:05<08:33, 58.97it/s]
Training Step:
                70%|
                            | 69735/100000 [18:05<08:41, 57.99it/s]
Training Step:
                70%|
                            69742/100000 [18:05<08:38, 58.40it/s]
Training Step:
                70%|
                            69748/100000 [18:05<08:34, 58.84it/s]
                            | 69755/100000 [18:05<08:24, 60.00it/s]
Training Step:
                70%|
Training Step:
                70%|
                            | 69762/100000 [18:05<08:24, 59.97it/s]
                70%|
                            | 69769/100000 [18:06<08:13, 61.22it/s]
Training Step:
                            | 69776/100000 [18:06<08:15, 60.96it/s]
Training Step:
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Training Step:
                70%|
                            | 69783/100000 [18:06<08:03, 62.55it/s]
                            | 69790/100000 [18:06<08:06, 62.07it/s]
Training Step:
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Training Step:
                70%|
                            | 69797/100000 [18:06<08:04, 62.32it/s]
                70%|
                            | 69804/100000 [18:06<08:04, 62.37it/s]
Training Step:
Training Step:
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                            | 69811/100000 [18:06<08:07, 61.93it/s]
                70%|
                            | 69818/100000 [18:06<08:48, 57.08it/s]
Training Step:
Training Step:
                            | 69824/100000 [18:06<08:58, 56.09it/s]
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Training Step:
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                            | 69830/100000 [18:07<08:55, 56.29it/s]
Training Step:
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                            69836/100000 [18:07<08:51, 56.75it/s]
                            | 69842/100000 [18:07<09:01, 55.65it/s]
Training Step:
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Training Step:
                70%1
                            | 69848/100000 [18:07<09:15, 54.30it/s]
                            | 69854/100000 [18:07<09:15, 54.23it/s]
Training Step:
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Training Step:
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                            | 69860/100000 [18:07<09:05, 55.21it/s]
Training Step:
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                            | 69866/100000 [18:07<09:04, 55.34it/s]
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                            | 69872/100000 [18:07<09:03, 55.39it/s]
Training Step:
Training Step:
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                            | 69885/100000 [18:08<08:53, 56.41it/s]
Training Step:
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Training Step:
                70%|
                            | 69891/100000 [18:08<08:59, 55.86it/s]
                70%|
                            | 69898/100000 [18:08<08:47, 57.06it/s]
Training Step:
Training Step:
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                            | 69905/100000 [18:08<08:25, 59.54it/s]
Training Step:
                70%|
                            | 69912/100000 [18:08<08:20, 60.17it/s]
Training Step:
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                            | 69919/100000 [18:08<08:19, 60.22it/s]
Training Step:
                70%|
                            69926/100000 [18:08<08:20, 60.10it/s]
Training Step:
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                           | 69933/100000 [18:08<08:15, 60.65it/s]
Training Step:
                70%|
                            69940/100000 [18:08<08:08, 61.53it/s]
Training Step:
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                            69947/100000 [18:09<07:59, 62.65it/s]
                            | 69954/100000 [18:09<08:13, 60.84it/s]
Training Step:
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Training Step:
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Training Step:
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                            | 69975/100000 [18:09<08:28, 59.03it/s]
Training Step:
Training Step:
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Training Step:
                70%
                            69988/100000 [18:09<08:32, 58.59it/s]
Training Step:
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                            | 69994/100000 [18:09<08:34, 58.37it/s]
Training Step:
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                            | 70000/100000 [18:09<08:52, 56.34it/s]
Training Step:
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                            | 70007/100000 [18:10<08:34, 58.27it/s]
Training Step:
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                            | 70014/100000 [18:10<08:20, 59.88it/s]
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Training Step:
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                           | 70021/100000 [18:10<07:58, 62.67it/s]
Training Step:
                70%|
                           | 70028/100000 [18:10<07:50, 63.75it/s]
Training Step:
                70%|
                           | 70036/100000 [18:10<07:31, 66.30it/s]
Training Step:
                70%|
                           | 70044/100000 [18:10<07:18, 68.38it/s]
Training Step:
                70%1
                           70051/100000 [18:10<07:16, 68.64it/s]
Training Step:
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                           | 70059/100000 [18:10<06:56, 71.90it/s]
Training Step:
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                           | 70067/100000 [18:10<06:44,
74.03it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
arrive_dest.
Training Step:
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                            | 70082/100000 [18:11<08:04, 61.70it/s]
Training Step:
                70%
                           | 70090/100000 [18:11<07:46, 64.06it/s]
Training Step:
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                           | 70097/100000 [18:11<08:15, 60.37it/s]
Training Step:
                70%
                           | 70104/100000 [18:11<08:41, 57.31it/s]
Training Step:
                70%|
                70%|
                           | 70110/100000 [18:11<08:54, 55.92it/s]
Training Step:
Training Step:
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                           | 70116/100000 [18:11<09:02, 55.13it/s]
Training Step:
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                           | 70122/100000 [18:11<09:10, 54.29it/s]
Training Step:
                           70128/100000 [18:12<09:13, 53.95it/s]
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Training Step:
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Training Step:
                70%|
                           70140/100000 [18:12<09:17, 53.53it/s]
                           | 70146/100000 [18:12<09:08, 54.40it/s]
Training Step:
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Training Step:
                70%1
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Training Step:
                           70158/100000 [18:12<09:31, 52.24it/s]
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Training Step:
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                           | 70164/100000 [18:12<09:43, 51.16it/s]
Training Step:
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                           | 70170/100000 [18:12<10:10, 48.83it/s]
                70%|
                           | 70176/100000 [18:13<09:50, 50.54it/s]
Training Step:
Training Step:
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                           | 70188/100000 [18:13<09:18, 53.40it/s]
Training Step:
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Training Step:
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                           | 70194/100000 [18:13<09:13, 53.82it/s]
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                           | 70200/100000 [18:13<08:58, 55.38it/s]
Training Step:
Training Step:
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Training Step:
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                           | 70212/100000 [18:13<09:07, 54.41it/s]
Training Step:
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                           | 70218/100000 [18:13<09:09, 54.20it/s]
                           | 70224/100000 [18:13<09:11, 54.01it/s]
Training Step:
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                           | 70230/100000 [18:13<09:08, 54.32it/s]
Training Step:
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Training Step:
                70%|
                           70236/100000 [18:14<09:16, 53.51it/s]
Training Step:
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                           | 70242/100000 [18:14<09:21, 52.96it/s]
Training Step:
                           | 70248/100000 [18:14<09:12, 53.86it/s]
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Training Step:
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                           | 70260/100000 [18:14<09:11, 53.91it/s]
Training Step:
Training Step:
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Training Step:
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                           | 70272/100000 [18:14<08:50, 55.99it/s]
Training Step:
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                           | 70278/100000 [18:14<08:49, 56.17it/s]
Training Step:
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                           | 70284/100000 [18:14<08:45, 56.53it/s]
Training Step:
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                           | 70291/100000 [18:15<08:32, 57.93it/s]
Training Step:
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                            | 70297/100000 [18:15<08:33, 57.86it/s]
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| 70303/100000 [18:15<08:33, 57.81it/s]

Training Step:

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Training Step:
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                            | 70309/100000 [18:15<08:39, 57.13it/s]
Training Step:
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                            | 70315/100000 [18:15<08:34, 57.70it/s]
Training Step:
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Training Step:
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                           | 70327/100000 [18:15<08:46, 56.32it/s]
                            | 70333/100000 [18:15<08:42, 56.73it/s]
Training Step:
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Training Step:
                70%|
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Training Step:
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Training Step:
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Training Step:
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                            70357/100000 [18:16<08:41, 56.81it/s]
Training Step:
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                            | 70369/100000 [18:16<08:53, 55.51it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 70399/100000 [18:17<08:56, 55.14it/s]
Training Step:
Training Step:
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Training Step:
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                            | 70411/100000 [18:17<08:55, 55.27it/s]
Training Step:
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                            | 70417/100000 [18:17<08:58, 54.97it/s]
Training Step:
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                           | 70423/100000 [18:17<09:19, 52.82it/s]
Training Step:
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                            70429/100000 [18:17<09:46, 50.40it/s]
                            | 70435/100000 [18:17<09:56, 49.53it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 70464/100000 [18:18<09:49, 50.07it/s]
Training Step:
Training Step:
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                            | 70476/100000 [18:18<09:50, 50.02it/s]
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Training Step:
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                            | 70488/100000 [18:18<09:37, 51.12it/s]
Training Step:
Training Step:
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Training Step:
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                            | 70506/100000 [18:19<09:45, 50.35it/s]
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Training Step:
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                            70512/100000 [18:19<09:52, 49.74it/s]
Training Step:
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                           | 70518/100000 [18:19<09:53, 49.64it/s]
Training Step:
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                            70524/100000 [18:19<09:48, 50.07it/s]
Training Step:
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                            70530/100000 [18:19<09:45, 50.30it/s]
Training Step:
                            | 70536/100000 [18:19<09:52, 49.71it/s]
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Training Step:
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                            | 70548/100000 [18:19<09:42, 50.53it/s]
Training Step:
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                            70566/100000 [18:20<09:38, 50.90it/s]
Training Step:
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Training Step:
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                            | 70577/100000 [18:20<09:54, 49.50it/s]
Training Step:
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                            | 70582/100000 [18:20<10:31, 46.55it/s]
Training Step:
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                            | 70587/100000 [18:20<10:54, 44.97it/s]
```

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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                           | 70607/100000 [18:21<11:57, 40.96it/s]
                            | 70612/100000 [18:21<12:08, 40.32it/s]
Training Step:
                71%|
Training Step:
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Training Step:
                71%|
                            70622/100000 [18:21<12:09, 40.27it/s]
Training Step:
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                            | 70632/100000 [18:21<11:31, 42.44it/s]
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Training Step:
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Training Step:
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                            | 70657/100000 [18:22<10:59, 44.51it/s]
Training Step:
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Training Step:
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                            | 70667/100000 [18:22<11:01, 44.34it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            70693/100000 [18:23<10:37, 45.94it/s]
                            | 70698/100000 [18:23<10:38, 45.92it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 70728/100000 [18:23<09:26, 51.69it/s]
Training Step:
Training Step:
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                            | 70734/100000 [18:24<09:07, 53.49it/s]
                            70740/100000 [18:24<09:08, 53.37it/s]
Training Step:
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Training Step:
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                            | 70746/100000 [18:24<08:49, 55.22it/s]
                            | 70752/100000 [18:24<08:41, 56.10it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
                            | 70778/100000 [18:24<08:13, 59.16it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                           | 70823/100000 [18:25<07:08, 68.08it/s]
Training Step:
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                            | 70830/100000 [18:25<07:06, 68.43it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                            | 70874/100000 [18:26<06:07,
79.25it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
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arrive_dest.

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Training Step:
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Training Step:
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                           70898/100000 [18:26<07:08, 67.99it/s]
Training Step:
                           | 70906/100000 [18:26<07:10, 67.59it/s]
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Training Step:
                71%|
                           70913/100000 [18:26<07:11, 67.34it/s]
Training Step:
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                           | 70920/100000 [18:26<07:13, 67.15it/s]
Training Step:
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                           70928/100000 [18:26<07:05, 68.25it/s]
Training Step:
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                           | 70936/100000 [18:27<07:01, 68.96it/s]
                           | 70944/100000 [18:27<06:49, 71.00it/s]
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Training Step:
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                           | 70960/100000 [18:27<06:49, 70.91it/s]
Training Step:
                71%|
                            | 70968/100000 [18:27<06:55, 69.81it/s]
Training Step:
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Training Step:
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                           | 70976/100000 [18:27<07:14, 66.76it/s]
                           | 70983/100000 [18:27<07:44, 62.49it/s]
Training Step:
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Training Step:
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Training Step:
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                           | 71046/100000 [18:28<09:30, 50.75it/s]
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                           | 71052/100000 [18:29<09:24, 51.30it/s]
Training Step:
Training Step:
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                            | 71058/100000 [18:29<09:22, 51.42it/s]
                           71064/100000 [18:29<09:06, 52.93it/s]
Training Step:
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Training Step:
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                           | 71070/100000 [18:29<08:53, 54.19it/s]
                           | 71076/100000 [18:29<08:49, 54.59it/s]
Training Step:
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Training Step:
                71%|
                           | 71082/100000 [18:29<08:36, 56.03it/s]
Training Step:
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                            | 71088/100000 [18:29<08:31, 56.52it/s]
Training Step:
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                           | 71094/100000 [18:29<08:32, 56.38it/s]
                           | 71100/100000 [18:29<08:26, 57.09it/s]
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Training Step:
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Training Step:
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Training Step:
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                           71145/100000 [18:30<08:00, 60.10it/s]
Training Step:
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Training Step:
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Training Step:
                71%|
                            | 71176/100000 [18:31<08:37, 55.69it/s]
Training Step:
                71%|
                           | 71182/100000 [18:31<08:34, 55.98it/s]
```

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Training Step:
                            | 71188/100000 [18:31<08:40, 55.36it/s]
                71%|
Training Step:
                71%|
                            | 71194/100000 [18:31<08:34, 55.94it/s]
Training Step:
                71%|
                            | 71200/100000 [18:31<08:31, 56.31it/s]
Training Step:
                71%|
                           | 71206/100000 [18:31<08:24, 57.08it/s]
Training Step:
                71%|
                            71212/100000 [18:31<08:21, 57.42it/s]
Training Step:
                           | 71219/100000 [18:31<08:04, 59.46it/s]
                71%|
Training Step:
                71%|
                            71226/100000 [18:32<08:05, 59.21it/s]
Training Step:
                71%|
                           | 71233/100000 [18:32<07:54, 60.57it/s]
Training Step:
                71%|
                           | 71240/100000 [18:32<07:48, 61.34it/s]
Training Step:
                71%|
                           | 71247/100000 [18:32<07:33, 63.42it/s]
                           | 71254/100000 [18:32<07:33, 63.41it/s]
Training Step:
                71%|
                           | 71262/100000 [18:32<07:22,
Training Step:
                71%|
64.98it/s][INFO] Episode ended! Scenario Index: 1001 Reason:
arrive_dest.
Training Step:
                           | 71270/100000 [18:32<08:36, 55.58it/s]
                71%|
Training Step:
                71%|
                           | 71277/100000 [18:32<08:15, 57.92it/s]
Training Step:
                71%|
                           | 71284/100000 [18:33<07:59, 59.88it/s]
Training Step:
                           | 71291/100000 [18:33<07:42, 62.02it/s]
                71%|
Training Step:
                71%|
                           | 71298/100000 [18:33<08:17, 57.73it/s]
Training Step:
                71%|
                           | 71304/100000 [18:33<08:31, 56.13it/s]
                           | 71310/100000 [18:33<08:41, 54.98it/s]
Training Step:
                71%|
Training Step:
                71%|
                           | 71316/100000 [18:33<09:00, 53.08it/s]
                           | 71322/100000 [18:33<08:54, 53.68it/s]
Training Step:
                71%|
Training Step:
                71%|
                           | 71328/100000 [18:33<09:01, 52.99it/s]
Training Step:
                71%|
                           | 71334/100000 [18:33<08:56, 53.44it/s]
                71%|
                           | 71340/100000 [18:34<09:02, 52.81it/s]
Training Step:
Training Step:
                71%|
                           | 71346/100000 [18:34<09:14, 51.71it/s]
                           | 71352/100000 [18:34<09:08, 52.21it/s]
Training Step:
                71%|
Training Step:
                71%|
                           | 71358/100000 [18:34<09:08, 52.19it/s]
                           | 71364/100000 [18:34<09:09, 52.13it/s]
Training Step:
                71%|
Training Step:
                71%|
                           | 71370/100000 [18:34<09:03, 52.65it/s]
Training Step:
                71%|
                           | 71376/100000 [18:34<08:55, 53.49it/s]
Training Step:
                71%|
                           | 71382/100000 [18:34<08:45, 54.51it/s]
Training Step:
                71%|
                           | 71388/100000 [18:35<08:33, 55.74it/s]
Training Step:
                71%|
                           | 71394/100000 [18:35<08:33, 55.75it/s]
Training Step:
                71%|
                           | 71400/100000 [18:35<08:37, 55.32it/s]
Training Step:
                71%|
                           | 71406/100000 [18:35<08:31, 55.85it/s]
                           | 71412/100000 [18:35<08:38, 55.15it/s]
Training Step:
                71%|
Training Step:
                71%|
                           | 71418/100000 [18:35<08:55, 53.35it/s]
                71%|
                           | 71424/100000 [18:35<09:30, 50.07it/s]
Training Step:
                71%|
                           | 71430/100000 [18:35<10:03, 47.36it/s]
Training Step:
Training Step:
                71%|
                           | 71435/100000 [18:35<10:07, 47.05it/s]
Training Step:
                71%|
                           | 71440/100000 [18:36<10:18, 46.18it/s]
Training Step:
                71%|
                             71445/100000 [18:36<10:19, 46.10it/s]
Training Step:
                71%|
                           | 71450/100000 [18:36<10:26, 45.55it/s]
Training Step:
                71%|
                           | 71455/100000 [18:36<10:12, 46.63it/s]
Training Step:
                71%|
                           | 71460/100000 [18:36<10:21, 45.91it/s]
```

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Training Step:
                           | 71465/100000 [18:36<10:27, 45.46it/s]
                71%|
                           | 71470/100000 [18:36<10:47, 44.06it/s]
Training Step:
                71%|
Training Step:
                71%|
                           | 71475/100000 [18:36<10:51, 43.77it/s]
Training Step:
                71%|
                           | 71480/100000 [18:36<10:47, 44.04it/s]
                           | 71485/100000 [18:37<10:41, 44.45it/s]
Training Step:
                71%|
Training Step:
                           | 71490/100000 [18:37<10:42, 44.39it/s]
                71%|
Training Step:
                71%|
                           | 71495/100000 [18:37<10:32, 45.07it/s]
Training Step:
                72%|
                           | 71500/100000 [18:37<10:54, 43.53it/s]
Training Step:
                72%|
                           | 71505/100000 [18:37<10:56, 43.40it/s]
Training Step:
                72%|
                           | 71510/100000 [18:37<10:57, 43.31it/s]
                72%|
                           | 71515/100000 [18:37<11:00, 43.14it/s]
Training Step:
                           | 71520/100000 [18:37<11:06, 42.71it/s]
Training Step:
                72%
                           | 71525/100000 [18:37<11:01, 43.02it/s]
Training Step:
                72%|
                           | 71530/100000 [18:38<11:12, 42.35it/s]
Training Step:
                72%
                           | 71535/100000 [18:38<10:53, 43.58it/s]
Training Step:
                72%|
                           | 71540/100000 [18:38<10:58, 43.21it/s]
Training Step:
                72%|
Training Step:
                72%|
                           | 71545/100000 [18:38<10:46, 43.99it/s]
Training Step:
                72%|
                           | 71550/100000 [18:38<10:48, 43.86it/s]
Training Step:
                72%|
                           | 71555/100000 [18:38<10:38, 44.53it/s]
Training Step:
                72%1
                           | 71560/100000 [18:38<10:37, 44.61it/s]
                           | 71565/100000 [18:38<10:28, 45.22it/s]
Training Step:
                72%|
Training Step:
                72%|
                           | 71570/100000 [18:39<10:33, 44.87it/s]
Training Step:
                72%|
                           | 71575/100000 [18:39<10:29, 45.16it/s]
Training Step:
                           | 71580/100000 [18:39<10:32, 44.95it/s]
                72%|
Training Step:
                72%|
                           | 71585/100000 [18:39<10:43, 44.15it/s]
                           | 71590/100000 [18:39<10:38, 44.50it/s]
Training Step:
                72%|
                72%|
                           | 71595/100000 [18:39<11:01, 42.95it/s]
Training Step:
Training Step:
                72%|
                           | 71600/100000 [18:39<11:02, 42.88it/s]
                           | 71605/100000 [18:39<10:56, 43.28it/s]
Training Step:
                72%|
Training Step:
                72%|
                           | 71610/100000 [18:39<10:43, 44.15it/s]
                72%|
                           | 71615/100000 [18:40<10:34, 44.74it/s]
Training Step:
Training Step:
                72%|
                           | 71620/100000 [18:40<10:39, 44.37it/s]
Training Step:
                72%|
                           | 71625/100000 [18:40<10:31, 44.94it/s]
Training Step:
                72%|
                           | 71630/100000 [18:40<10:37, 44.49it/s]
                           | 71635/100000 [18:40<10:27, 45.18it/s]
Training Step:
                72%|
                           | 71640/100000 [18:40<10:29, 45.03it/s]
Training Step:
                72%|
Training Step:
                72%|
                           | 71645/100000 [18:40<10:29, 45.03it/s]
Training Step:
                72%1
                           | 71650/100000 [18:40<10:33, 44.74it/s]
Training Step:
                           | 71655/100000 [18:40<10:34, 44.67it/s]
                72%|
Training Step:
                72%|
                           | 71660/100000 [18:41<10:42,
44.12it/s][INFO] Episode ended! Scenario Index: 1003 Reason: crash
vehicle
Training Step:
                           | 71665/100000 [18:41<12:35, 37.53it/s]
                72%
                             71672/100000 [18:41<10:31, 44.83it/s]
Training Step:
                72%|
Training Step:
                72%
                           | 71680/100000 [18:41<09:03, 52.11it/s]
Training Step:
                72%|
                           | 71688/100000 [18:41<08:05, 58.31it/s]
Training Step:
                72%|
                           | 71695/100000 [18:41<07:46, 60.69it/s]
```

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Training Step:
                           | 71702/100000 [18:41<07:33, 62.36it/s]
                72%|
Training Step:
                72%|
                           | 71710/100000 [18:41<07:20, 64.21it/s]
Training Step:
                72%|
                           | 71717/100000 [18:41<07:17, 64.58it/s]
Training Step:
                72%|
                           | 71724/100000 [18:42<07:17, 64.60it/s]
                           | 71731/100000 [18:42<07:14, 65.02it/s]
Training Step:
                72%1
Training Step:
                72%|
                           | 71738/100000 [18:42<07:16, 64.73it/s]
Training Step:
                72%|
                           | 71745/100000 [18:42<07:14, 65.05it/s]
Training Step:
                72%|
                           | 71752/100000 [18:42<07:42, 61.09it/s]
                           | 71759/100000 [18:42<08:15, 56.98it/s]
Training Step:
                72%|
Training Step:
                72%|
                           | 71765/100000 [18:42<08:46, 53.61it/s]
                           | 71771/100000 [18:42<08:49, 53.36it/s]
Training Step:
                72%|
                           | 71777/100000 [18:43<08:48, 53.42it/s]
Training Step:
                72%
                             71783/100000 [18:43<08:38, 54.44it/s]
Training Step:
                72%|
Training Step:
                72%
                           71789/100000 [18:43<08:40, 54.19it/s]
Training Step:
                72%|
                           | 71795/100000 [18:43<08:39, 54.29it/s]
                           | 71801/100000 [18:43<08:37, 54.51it/s]
Training Step:
                72%
Training Step:
                72%|
                           | 71807/100000 [18:43<08:27, 55.57it/s]
                72%|
                           | 71813/100000 [18:43<08:24, 55.87it/s]
Training Step:
Training Step:
                           | 71819/100000 [18:43<08:33, 54.86it/s]
                72%|
Training Step:
                72%1
                           | 71825/100000 [18:43<08:40, 54.18it/s]
                           | 71831/100000 [18:44<08:50, 53.14it/s]
Training Step:
                72%|
                           | 71837/100000 [18:44<08:54, 52.70it/s]
Training Step:
                72%|
Training Step:
                72%|
                           | 71843/100000 [18:44<08:54, 52.68it/s]
                           | 71849/100000 [18:44<08:46, 53.51it/s]
Training Step:
                72%|
Training Step:
                72%|
                           | 71855/100000 [18:44<08:54, 52.68it/s]
                           | 71861/100000 [18:44<09:26, 49.66it/s]
Training Step:
                72%|
                72%|
                           | 71867/100000 [18:44<09:28, 49.49it/s]
Training Step:
Training Step:
                72%|
                           | 71872/100000 [18:44<09:32, 49.16it/s]
                             71878/100000 [18:44<09:19, 50.27it/s]
Training Step:
                72%
Training Step:
                72%|
                           | 71884/100000 [18:45<09:02, 51.81it/s]
                72%|
                           | 71890/100000 [18:45<08:57, 52.34it/s]
Training Step:
Training Step:
                72%|
                           | 71896/100000 [18:45<08:54, 52.56it/s]
Training Step:
                72%|
                           | 71902/100000 [18:45<08:57, 52.31it/s]
Training Step:
                72%|
                           | 71909/100000 [18:45<08:24, 55.63it/s]
                           | 71916/100000 [18:45<08:04, 57.99it/s]
Training Step:
                72%|
                           | 71924/100000 [18:45<07:37, 61.37it/s]
Training Step:
                72%|
                           | 71931/100000 [18:45<07:20, 63.74it/s]
Training Step:
                72%|
Training Step:
                72%|
                           | 71938/100000 [18:45<07:14, 64.59it/s]
                           | 71946/100000 [18:46<06:57, 67.14it/s]
Training Step:
                72%|
Training Step:
                72%|
                           | 71954/100000 [18:46<06:43, 69.43it/s]
                72%|
                           | 71962/100000 [18:46<06:32, 71.42it/s]
Training Step:
                           | 71970/100000 [18:46<06:25, 72.69it/s]
Training Step:
                72%
                72%|
                           | 71978/100000 [18:46<06:22,
Training Step:
73.26it/s][INFO] Episode ended! Scenario Index: 1016 Reason:
arrive_dest.
```

| 71986/100000 [18:46<07:36, 61.32it/s]

| 71994/100000 [18:46<07:22, 63.35it/s]

Training Step:

Training Step:

72%|

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Training Step:
                           | 72001/100000 [18:46<07:19, 63.67it/s]
                72%
Training Step:
                72%|
                           | 72008/100000 [18:46<07:16, 64.10it/s]
Training Step:
                72%|
                            72015/100000 [18:47<07:11, 64.81it/s]
Training Step:
                72%|
                           | 72022/100000 [18:47<07:18, 63.73it/s]
                           | 72029/100000 [18:47<07:08, 65.22it/s]
Training Step:
                72%1
Training Step:
                72%|
                            72036/100000 [18:47<07:14, 64.32it/s]
Training Step:
                72%|
                           72043/100000 [18:47<07:11, 64.82it/s]
Training Step:
                72%|
                           72050/100000 [18:47<07:10, 65.00it/s]
Training Step:
                72%|
                           72057/100000 [18:47<07:16, 64.06it/s]
Training Step:
                72%|
                           | 72064/100000 [18:47<07:30, 62.07it/s]
                72%|
                           | 72071/100000 [18:47<07:31, 61.87it/s]
Training Step:
                           | 72078/100000 [18:48<07:51, 59.22it/s]
Training Step:
                72%
                            72084/100000 [18:48<07:51, 59.21it/s]
Training Step:
                72%|
                           72090/100000 [18:48<07:58, 58.36it/s]
Training Step:
                72%
                           | 72096/100000 [18:48<08:05, 57.50it/s]
Training Step:
                72%|
                           | 72102/100000 [18:48<08:10, 56.87it/s]
Training Step:
                72%
Training Step:
                72%|
                           | 72108/100000 [18:48<08:13, 56.54it/s]
                72%|
                           | 72114/100000 [18:48<08:19, 55.79it/s]
Training Step:
Training Step:
                           72120/100000 [18:48<08:34, 54.23it/s]
                72%|
Training Step:
                72%1
                           72126/100000 [18:48<08:40, 53.51it/s]
Training Step:
                72%|
                           72132/100000 [18:49<08:52, 52.32it/s]
                           72138/100000 [18:49<09:00, 51.58it/s]
Training Step:
                72%|
Training Step:
                72%|
                           | 72144/100000 [18:49<09:10, 50.58it/s]
                           72150/100000 [18:49<09:09, 50.72it/s]
Training Step:
                72%|
Training Step:
                72%|
                           | 72156/100000 [18:49<09:05, 51.03it/s]
Training Step:
                72%|
                           | 72162/100000 [18:49<08:57, 51.79it/s]
                72%|
                           | 72168/100000 [18:49<09:10, 50.53it/s]
Training Step:
Training Step:
                72%|
                           | 72174/100000 [18:49<09:10, 50.56it/s]
                           72180/100000 [18:50<09:14, 50.13it/s]
Training Step:
                72%
Training Step:
                72%|
                           | 72186/100000 [18:50<09:24, 49.31it/s]
                72%|
                           | 72192/100000 [18:50<09:21, 49.55it/s]
Training Step:
Training Step:
                72%|
                           | 72198/100000 [18:50<09:16, 49.93it/s]
Training Step:
                72%|
                           | 72203/100000 [18:50<09:22, 49.43it/s]
Training Step:
                72%|
                           | 72209/100000 [18:50<09:12, 50.31it/s]
                           | 72215/100000 [18:50<09:01, 51.30it/s]
Training Step:
                72%|
                           | 72221/100000 [18:50<09:01, 51.29it/s]
Training Step:
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Training Step:
                72%|
                           72227/100000 [18:51<09:00, 51.35it/s]
Training Step:
                72%|
                           72233/100000 [18:51<08:59, 51.48it/s]
                           | 72239/100000 [18:51<08:55, 51.80it/s]
Training Step:
                72%|
Training Step:
                72%|
                           | 72245/100000 [18:51<08:53, 51.98it/s]
                72%|
                           | 72251/100000 [18:51<08:42, 53.07it/s]
Training Step:
                72%|
                           | 72257/100000 [18:51<08:51, 52.24it/s]
Training Step:
Training Step:
                72%|
                           | 72263/100000 [18:51<08:52, 52.09it/s]
Training Step:
                72%
                           72269/100000 [18:51<08:59, 51.44it/s]
Training Step:
                72%|
                            72275/100000 [18:51<09:23, 49.19it/s]
Training Step:
                72%
                           | 72280/100000 [18:52<09:37, 47.96it/s]
Training Step:
                72%|
                           | 72285/100000 [18:52<09:43, 47.47it/s]
Training Step:
                72%|
                           | 72290/100000 [18:52<09:49, 47.03it/s]
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Training Step:
                72%|
                           | 72300/100000 [18:52<10:03, 45.90it/s]
Training Step:
                72%|
                           | 72305/100000 [18:52<09:52, 46.76it/s]
Training Step:
                72%|
                           | 72310/100000 [18:52<10:08, 45.52it/s]
                           | 72315/100000 [18:52<10:41, 43.17it/s]
Training Step:
                72%1
Training Step:
                72%|
                             72320/100000 [18:52<10:48, 42.70it/s]
Training Step:
                72%|
                           72325/100000 [18:53<10:37, 43.43it/s]
Training Step:
                72%|
                           | 72330/100000 [18:53<10:46, 42.78it/s]
                           | 72335/100000 [18:53<10:48, 42.69it/s]
Training Step:
                72%|
Training Step:
                72%|
                           | 72340/100000 [18:53<11:11, 41.17it/s]
                           | 72345/100000 [18:53<11:11, 41.16it/s]
Training Step:
                72%|
                           | 72350/100000 [18:53<11:16, 40.90it/s]
Training Step:
                72%
Training Step:
                72%|
                             72355/100000 [18:53<11:03, 41.69it/s]
Training Step:
                72%
                           | 72360/100000 [18:53<11:00, 41.88it/s]
Training Step:
                72%|
                           | 72365/100000 [18:54<10:41, 43.11it/s]
                           | 72370/100000 [18:54<10:42, 43.03it/s]
Training Step:
                72%
Training Step:
                72%|
                           | 72375/100000 [18:54<10:18, 44.67it/s]
                72%|
                           | 72380/100000 [18:54<10:11, 45.14it/s]
Training Step:
Training Step:
                           | 72386/100000 [18:54<09:46, 47.06it/s]
                72%|
Training Step:
                72%1
                           72392/100000 [18:54<09:33, 48.17it/s]
                           | 72398/100000 [18:54<09:20, 49.29it/s]
Training Step:
                72%|
                           | 72404/100000 [18:54<09:07, 50.44it/s]
Training Step:
                72%|
Training Step:
                72%|
                           | 72410/100000 [18:54<09:03, 50.73it/s]
                           | 72416/100000 [18:55<08:59, 51.09it/s]
Training Step:
                72%|
Training Step:
                72%|
                           | 72422/100000 [18:55<09:07, 50.36it/s]
Training Step:
                72%|
                           | 72428/100000 [18:55<09:07, 50.39it/s]
                72%|
                           | 72434/100000 [18:55<09:06, 50.48it/s]
Training Step:
Training Step:
                72%|
                           | 72440/100000 [18:55<08:50, 51.98it/s]
                             72446/100000 [18:55<08:31, 53.89it/s]
Training Step:
                72%
Training Step:
                72%|
                           | 72452/100000 [18:55<08:29, 54.10it/s]
                           | 72458/100000 [18:55<08:27,
Training Step:
                72%
54.26it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
arrive_dest.
Training Step:
                72%|
                           | 72464/100000 [18:56<10:27, 43.85it/s]
                           | 72472/100000 [18:56<08:55, 51.44it/s]
Training Step:
                72%|
Training Step:
                72%|
                           72480/100000 [18:56<08:08, 56.39it/s]
Training Step:
                72%|
                           72487/100000 [18:56<07:40, 59.74it/s]
                           | 72494/100000 [18:56<07:41, 59.60it/s]
Training Step:
                72%|
Training Step:
                73%|
                           | 72501/100000 [18:56<07:36, 60.19it/s]
                73%|
                           | 72508/100000 [18:56<07:38, 60.01it/s]
Training Step:
                73%1
                           | 72515/100000 [18:56<07:33, 60.57it/s]
Training Step:
Training Step:
                73%|
                           | 72522/100000 [18:56<07:34, 60.52it/s]
                           72529/100000 [18:57<07:35, 60.26it/s]
Training Step:
                73%|
Training Step:
                73%1
                             72536/100000 [18:57<07:44, 59.06it/s]
Training Step:
                73%|
                           | 72542/100000 [18:57<07:47, 58.69it/s]
                           | 72549/100000 [18:57<08:02, 56.84it/s]
Training Step:
                73%|
```

| 72295/100000 [18:52<09:51, 46.82it/s]

Training Step:

Training Step:

73%1

72%|

| 72555/100000 [18:57<08:09, 56.11it/s]

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Training Step:
                           | 72561/100000 [18:57<08:06, 56.36it/s]
                73%|
Training Step:
                73%|
                           | 72567/100000 [18:57<08:08, 56.13it/s]
Training Step:
                73%1
                           | 72573/100000 [18:57<08:03, 56.73it/s]
                73%|
                           | 72579/100000 [18:57<08:09, 56.07it/s]
Training Step:
Training Step:
                73%1
                           72585/100000 [18:58<08:12, 55.61it/s]
Training Step:
                73%|
                             72591/100000 [18:58<08:27, 54.03it/s]
Training Step:
                73%|
                           72597/100000 [18:58<08:35, 53.18it/s]
Training Step:
                73%|
                           | 72603/100000 [18:58<08:43, 52.34it/s]
Training Step:
                73%|
                           72609/100000 [18:58<08:53, 51.39it/s]
Training Step:
                73%|
                           | 72615/100000 [18:58<08:50, 51.60it/s]
                           | 72621/100000 [18:58<09:01, 50.59it/s]
Training Step:
                73%|
                           | 72627/100000 [18:58<09:31, 47.88it/s]
Training Step:
                73%|
                             72632/100000 [18:59<09:27, 48.22it/s]
                73%|
Training Step:
                           | 72638/100000 [18:59<09:25, 48.37it/s]
Training Step:
                73%|
Training Step:
                73%1
                           | 72643/100000 [18:59<09:21, 48.68it/s]
                73%|
                           | 72648/100000 [18:59<09:20,
Training Step:
48.78it/s][INFO] Episode ended! Scenario Index: 1004 Reason: crash
vehicle
Training Step:
                73%|
                           72653/100000 [18:59<10:51, 41.97it/s]
Training Step:
                73%|
                           72660/100000 [18:59<09:20, 48.77it/s]
                           | 72668/100000 [18:59<07:59, 56.98it/s]
Training Step:
                73%|
Training Step:
                73%|
                           | 72676/100000 [18:59<07:30, 60.59it/s]
                           | 72683/100000 [18:59<07:25, 61.32it/s]
Training Step:
                73%|
Training Step:
                73%|
                           | 72690/100000 [19:00<07:25, 61.29it/s]
                           | 72697/100000 [19:00<07:20, 61.98it/s]
Training Step:
                73%|
                73%1
                           | 72704/100000 [19:00<07:30, 60.59it/s]
Training Step:
Training Step:
                73%|
                           | 72711/100000 [19:00<07:22, 61.64it/s]
                           | 72718/100000 [19:00<07:28, 60.77it/s]
Training Step:
                73%|
Training Step:
                73%1
                           | 72725/100000 [19:00<07:21, 61.76it/s]
                73%1
                           | 72732/100000 [19:00<07:26, 61.03it/s]
Training Step:
Training Step:
                73%|
                           | 72739/100000 [19:00<07:22, 61.65it/s]
Training Step:
                73%1
                           | 72746/100000 [19:00<07:22, 61.54it/s]
Training Step:
                73%|
                           | 72753/100000 [19:01<07:21, 61.74it/s]
                           | 72760/100000 [19:01<07:31, 60.37it/s]
Training Step:
                73%|
Training Step:
                73%|
                           72767/100000 [19:01<07:23, 61.35it/s]
Training Step:
                73%|
                           | 72774/100000 [19:01<07:33, 60.10it/s]
Training Step:
                73%|
                           72781/100000 [19:01<07:44, 58.66it/s]
                           | 72787/100000 [19:01<07:55, 57.20it/s]
Training Step:
                73%|
Training Step:
                73%|
                           | 72793/100000 [19:01<07:59, 56.73it/s]
                73%|
                           | 72799/100000 [19:01<08:22, 54.08it/s]
Training Step:
                73%1
                           | 72805/100000 [19:02<08:25, 53.80it/s]
Training Step:
Training Step:
                73%|
                           | 72811/100000 [19:02<08:16, 54.73it/s]
Training Step:
                73%|
                           | 72817/100000 [19:02<08:21, 54.24it/s]
                             72823/100000 [19:02<08:24, 53.84it/s]
Training Step:
                73%1
Training Step:
                73%1
                           | 72829/100000 [19:02<08:37, 52.51it/s]
                           | 72835/100000 [19:02<08:44, 51.79it/s]
Training Step:
                73%|
Training Step:
                73%1
                           | 72841/100000 [19:02<09:35, 47.16it/s]
```

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Training Step:
                           | 72846/100000 [19:02<09:45, 46.36it/s]
                73%|
Training Step:
                73%|
                           | 72852/100000 [19:02<09:35, 47.20it/s]
Training Step:
                73%1
                             72858/100000 [19:03<09:29, 47.67it/s]
                73%|
                           | 72863/100000 [19:03<09:25, 48.03it/s]
Training Step:
Training Step:
                73%1
                           72868/100000 [19:03<09:30, 47.54it/s]
Training Step:
                73%|
                             72873/100000 [19:03<09:30, 47.57it/s]
Training Step:
                73%|
                           | 72878/100000 [19:03<09:28, 47.71it/s]
Training Step:
                73%|
                           | 72884/100000 [19:03<09:22, 48.17it/s]
Training Step:
                73%|
                           72890/100000 [19:03<09:13, 49.02it/s]
Training Step:
                73%|
                           | 72896/100000 [19:03<09:10, 49.23it/s]
                           | 72902/100000 [19:03<08:59, 50.20it/s]
Training Step:
                73%|
                           | 72908/100000 [19:04<08:56, 50.53it/s]
Training Step:
                73%|
                             72914/100000 [19:04<08:47, 51.39it/s]
Training Step:
                73%|
                             72920/100000 [19:04<08:49, 51.14it/s]
Training Step:
                73%|
                           | 72926/100000 [19:04<08:53, 50.72it/s]
Training Step:
                73%1
                           | 72932/100000 [19:04<08:46, 51.42it/s]
Training Step:
                73%|
Training Step:
                73%|
                             72938/100000 [19:04<08:55, 50.58it/s]
                73%1
                           | 72944/100000 [19:04<08:52, 50.83it/s]
Training Step:
Training Step:
                           | 72950/100000 [19:04<08:37, 52.30it/s]
                73%|
Training Step:
                73%1
                             72956/100000 [19:05<08:26, 53.38it/s]
Training Step:
                73%|
                           72962/100000 [19:05<08:17, 54.31it/s]
                           | 72968/100000 [19:05<08:13, 54.82it/s]
Training Step:
                73%|
Training Step:
                73%1
                           | 72974/100000 [19:05<08:00, 56.21it/s]
                           | 72980/100000 [19:05<07:56, 56.73it/s]
Training Step:
                73%|
Training Step:
                73%|
                           | 72986/100000 [19:05<07:51, 57.34it/s]
Training Step:
                73%|
                           | 72992/100000 [19:05<07:50, 57.45it/s]
                73%1
                           | 72999/100000 [19:05<07:39, 58.71it/s]
Training Step:
Training Step:
                73%|
                           | 73005/100000 [19:05<07:42, 58.39it/s]
                             73011/100000 [19:05<07:40, 58.62it/s]
Training Step:
                73%|
Training Step:
                73%1
                           | 73017/100000 [19:06<07:43, 58.24it/s]
                73%1
                             73023/100000 [19:06<07:52, 57.10it/s]
Training Step:
Training Step:
                73%|
                           | 73029/100000 [19:06<08:09, 55.09it/s]
Training Step:
                73%1
                           | 73036/100000 [19:06<07:58, 56.37it/s]
Training Step:
                73%|
                           | 73042/100000 [19:06<07:50, 57.24it/s]
                           | 73048/100000 [19:06<07:49, 57.47it/s]
Training Step:
                73%|
Training Step:
                73%|
                           | 73054/100000 [19:06<07:43, 58.12it/s]
Training Step:
                73%|
                           | 73060/100000 [19:06<07:46, 57.70it/s]
Training Step:
                73%1
                             73066/100000 [19:06<07:51, 57.06it/s]
                           | 73072/100000 [19:07<07:52, 57.05it/s]
Training Step:
                73%|
Training Step:
                73%|
                           | 73078/100000 [19:07<07:47, 57.61it/s]
                73%|
                           | 73085/100000 [19:07<07:31, 59.65it/s]
Training Step:
                           | 73092/100000 [19:07<07:28, 60.04it/s]
                73%1
Training Step:
Training Step:
                73%|
                             73099/100000 [19:07<07:27, 60.15it/s]
Training Step:
                73%|
                           73106/100000 [19:07<07:28,
59.99it/s][INFO] Episode ended! Scenario Index: 1000 Reason:
arrive_dest.
```

Training Step: 73% | 73112/100000 [19:07<08:27, 53.01it/s]

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Training Step:
                73%1
                           | 73120/100000 [19:07<07:32, 59.36it/s]
Training Step:
                73%|
                           | 73128/100000 [19:07<06:55, 64.70it/s]
Training Step:
                73%1
                           | 73136/100000 [19:08<06:44, 66.41it/s]
Training Step:
                73%|
                           | 73143/100000 [19:08<06:58, 64.22it/s]
                           | 73150/100000 [19:08<07:13, 61.91it/s]
Training Step:
                73%|
Training Step:
                73%|
                             73157/100000 [19:08<07:10, 62.38it/s]
Training Step:
                73%|
                           | 73164/100000 [19:08<07:17, 61.30it/s]
Training Step:
                73%|
                           | 73171/100000 [19:08<07:17, 61.33it/s]
                           | 73178/100000 [19:08<07:20, 60.88it/s]
Training Step:
                73%|
Training Step:
                73%|
                           | 73185/100000 [19:08<07:21, 60.72it/s]
                           | 73192/100000 [19:09<07:26, 59.98it/s]
Training Step:
                73%|
                           | 73199/100000 [19:09<07:34, 58.96it/s]
Training Step:
                73%|
                             73205/100000 [19:09<07:56, 56.18it/s]
Training Step:
                73%|
                           | 73211/100000 [19:09<08:08, 54.89it/s]
Training Step:
                73%|
Training Step:
                73%1
                           | 73217/100000 [19:09<08:21, 53.41it/s]
                           | 73223/100000 [19:09<08:27, 52.78it/s]
Training Step:
                73%|
Training Step:
                73%|
                           | 73229/100000 [19:09<08:17, 53.84it/s]
                73%1
                           | 73236/100000 [19:09<08:00, 55.67it/s]
Training Step:
Training Step:
                           | 73242/100000 [19:09<07:54, 56.34it/s]
                73%|
Training Step:
                73%1
                             73248/100000 [19:10<07:50, 56.88it/s]
Training Step:
                73%|
                           | 73255/100000 [19:10<07:37, 58.44it/s]
                           | 73262/100000 [19:10<07:32, 59.04it/s]
Training Step:
                73%|
Training Step:
                73%|
                           | 73269/100000 [19:10<07:22, 60.40it/s]
                           | 73276/100000 [19:10<07:25, 59.96it/s]
Training Step:
                73%|
Training Step:
                73%|
                           | 73282/100000 [19:10<07:26, 59.89it/s]
Training Step:
                73%|
                           | 73288/100000 [19:10<07:27, 59.65it/s]
                73%1
                           | 73295/100000 [19:10<07:23, 60.26it/s]
Training Step:
                           | 73302/100000 [19:10<07:25, 59.90it/s]
Training Step:
                73%|
                             73308/100000 [19:11<07:26, 59.81it/s]
Training Step:
                73%|
Training Step:
                73%1
                           | 73314/100000 [19:11<07:28, 59.48it/s]
                73%1
                             73320/100000 [19:11<07:38, 58.25it/s]
Training Step:
Training Step:
                73%|
                           | 73326/100000 [19:11<07:45, 57.24it/s]
Training Step:
                73%1
                           | 73332/100000 [19:11<07:54, 56.22it/s]
Training Step:
                73%|
                           | 73338/100000 [19:11<08:16, 53.69it/s]
                           | 73344/100000 [19:11<08:27, 52.54it/s]
Training Step:
                73%|
                           | 73350/100000 [19:11<08:21, 53.12it/s]
Training Step:
                73%|
                           | 73357/100000 [19:11<07:58, 55.63it/s]
Training Step:
                73%|
Training Step:
                73%|
                             73363/100000 [19:12<07:50, 56.66it/s]
                           | 73370/100000 [19:12<07:31, 58.95it/s]
Training Step:
                73%|
Training Step:
                73%|
                           | 73377/100000 [19:12<07:20, 60.48it/s]
                73%|
                           | 73384/100000 [19:12<07:18, 60.65it/s]
Training Step:
                73%1
                           | 73391/100000 [19:12<07:18, 60.72it/s]
Training Step:
Training Step:
                73%|
                           | 73398/100000 [19:12<07:26, 59.55it/s]
                           | 73404/100000 [19:12<07:26, 59.51it/s]
Training Step:
                73%|
Training Step:
                73%|
                             73410/100000 [19:12<07:48, 56.80it/s]
Training Step:
                73%|
                           | 73417/100000 [19:12<07:35, 58.34it/s]
Training Step:
                73%|
                           | 73424/100000 [19:13<07:33, 58.64it/s]
Training Step:
                73%1
                           | 73431/100000 [19:13<07:23, 59.94it/s]
```

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Training Step:
                           | 73438/100000 [19:13<07:22, 60.06it/s]
                73%|
Training Step:
                73%|
                           | 73445/100000 [19:13<07:12, 61.43it/s]
Training Step:
                73%1
                           | 73452/100000 [19:13<07:15, 60.93it/s]
Training Step:
                73%|
                           | 73459/100000 [19:13<07:07, 62.06it/s]
                           | 73466/100000 [19:13<07:07, 62.10it/s]
Training Step:
                73%1
Training Step:
                73%|
                             73474/100000 [19:13<06:54, 64.04it/s]
Training Step:
                73%|
                           | 73482/100000 [19:13<06:44, 65.54it/s]
Training Step:
                73%|
                           | 73490/100000 [19:14<06:26, 68.55it/s]
                           | 73498/100000 [19:14<06:18, 70.02it/s]
Training Step:
                73%|
Training Step:
                74%|
                           | 73507/100000 [19:14<05:58, 73.91it/s]
                74%|
                           | 73516/100000 [19:14<05:50, 75.46it/s]
Training Step:
                           | 73525/100000 [19:14<05:39,
Training Step:
                74%|
78.03it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
arrive_dest.
Training Step:
                           | 73533/100000 [19:14<06:17, 70.12it/s]
                74%|
Training Step:
                74%|
                           | 73541/100000 [19:14<06:06, 72.15it/s]
Training Step:
                74%|
                           | 73550/100000 [19:14<05:54, 74.56it/s]
Training Step:
                           | 73558/100000 [19:14<05:52, 75.06it/s]
                74%|
Training Step:
                74%1
                           | 73566/100000 [19:15<05:51, 75.12it/s]
                           | 73574/100000 [19:15<05:55, 74.40it/s]
Training Step:
                74%|
                           | 73582/100000 [19:15<05:57, 73.89it/s]
Training Step:
                74%|
Training Step:
                74%|
                           | 73590/100000 [19:15<05:58, 73.74it/s]
Training Step:
                           | 73598/100000 [19:15<06:05, 72.32it/s]
                74%|
Training Step:
                74%|
                           | 73606/100000 [19:15<06:06, 72.05it/s]
                           | 73614/100000 [19:15<06:22, 68.96it/s]
Training Step:
                74%|
                           | 73621/100000 [19:15<06:21, 69.06it/s]
                74%|
Training Step:
Training Step:
                74%|
                           | 73628/100000 [19:15<06:30, 67.45it/s]
                             73635/100000 [19:16<06:28, 67.78it/s]
Training Step:
                74%|
Training Step:
                74%|
                           | 73642/100000 [19:16<06:26, 68.22it/s]
                             73649/100000 [19:16<06:25, 68.34it/s]
Training Step:
                74%|
Training Step:
                74%|
                           | 73656/100000 [19:16<06:29, 67.64it/s]
Training Step:
                74%|
                           | 73663/100000 [19:16<06:38, 66.03it/s]
Training Step:
                74%|
                           | 73670/100000 [19:16<06:52, 63.88it/s]
Training Step:
                           | 73677/100000 [19:16<06:45, 64.87it/s]
                74%|
                           | 73684/100000 [19:16<06:51, 63.97it/s]
Training Step:
                74%|
Training Step:
                74%|
                           | 73692/100000 [19:16<06:37, 66.27it/s]
Training Step:
                74%1
                             73700/100000 [19:17<06:26, 68.01it/s]
Training Step:
                           | 73708/100000 [19:17<06:20, 69.11it/s]
                74%|
Training Step:
                74%|
                           | 73716/100000 [19:17<06:24, 68.34it/s]
                74%|
                           | 73724/100000 [19:17<06:27, 67.79it/s]
Training Step:
Training Step:
                74%|
                           | 73731/100000 [19:17<06:41, 65.39it/s]
Training Step:
                74%|
                           | 73738/100000 [19:17<06:55, 63.26it/s]
                           | 73745/100000 [19:17<07:01, 62.30it/s]
Training Step:
                74%|
Training Step:
                74%|
                             73752/100000 [19:17<07:13, 60.55it/s]
Training Step:
                74%|
                           | 73759/100000 [19:17<07:24, 59.02it/s]
Training Step:
                74%|
                           | 73765/100000 [19:18<07:30, 58.17it/s]
Training Step:
                74%|
                           | 73771/100000 [19:18<07:42, 56.69it/s]
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Training Step:
                           | 73777/100000 [19:18<07:51, 55.63it/s]
                74%|
Training Step:
                74%|
                           | 73783/100000 [19:18<07:53, 55.31it/s]
Training Step:
                74%|
                           | 73789/100000 [19:18<07:57, 54.94it/s]
Training Step:
                74%|
                           | 73795/100000 [19:18<08:00, 54.53it/s]
                           | 73801/100000 [19:18<08:01, 54.38it/s]
Training Step:
                74%|
Training Step:
                74%|
                             73807/100000 [19:18<08:02, 54.31it/s]
Training Step:
                74%|
                           | 73813/100000 [19:18<08:07, 53.74it/s]
Training Step:
                74%|
                           | 73819/100000 [19:19<08:01, 54.32it/s]
                           | 73825/100000 [19:19<08:08, 53.64it/s]
Training Step:
                74%|
Training Step:
                74%|
                           | 73831/100000 [19:19<08:18, 52.49it/s]
                           | 73837/100000 [19:19<08:19, 52.41it/s]
Training Step:
                74%|
                           | 73843/100000 [19:19<08:12, 53.16it/s]
Training Step:
                74%|
                           | 73849/100000 [19:19<08:14, 52.89it/s]
Training Step:
                74%|
                           | 73855/100000 [19:19<08:12, 53.12it/s]
Training Step:
                74%|
                           | 73861/100000 [19:19<08:03, 54.09it/s]
Training Step:
                74%|
                           | 73867/100000 [19:20<07:59, 54.52it/s]
Training Step:
                74%|
Training Step:
                74%|
                           | 73873/100000 [19:20<08:03, 54.08it/s]
Training Step:
                74%|
                           | 73879/100000 [19:20<07:59, 54.43it/s]
Training Step:
                           | 73885/100000 [19:20<08:00, 54.38it/s]
                74%|
Training Step:
                74%1
                           | 73891/100000 [19:20<08:03, 53.99it/s]
Training Step:
                74%|
                           | 73897/100000 [19:20<07:48, 55.66it/s]
                           | 73903/100000 [19:20<07:39, 56.75it/s]
Training Step:
                74%|
Training Step:
                74%|
                           | 73909/100000 [19:20<07:32, 57.64it/s]
Training Step:
                           | 73915/100000 [19:20<07:28, 58.16it/s]
                74%|
Training Step:
                74%|
                           | 73921/100000 [19:20<07:26, 58.35it/s]
Training Step:
                74%|
                           | 73928/100000 [19:21<07:23, 58.84it/s]
                74%|
                           | 73935/100000 [19:21<07:15, 59.82it/s]
Training Step:
                           | 73942/100000 [19:21<07:06, 61.06it/s]
Training Step:
                74%|
                           | 73949/100000 [19:21<06:50, 63.42it/s]
Training Step:
                74%|
Training Step:
                74%|
                           | 73956/100000 [19:21<06:47, 63.94it/s]
                           | 73963/100000 [19:21<06:37, 65.45it/s]
Training Step:
                74%|
Training Step:
                74%|
                           | 73970/100000 [19:21<06:36, 65.63it/s]
Training Step:
                74%|
                           | 73977/100000 [19:21<06:33, 66.13it/s]
Training Step:
                74%|
                           | 73984/100000 [19:21<06:30, 66.67it/s]
Training Step:
                74%|
                           | 73992/100000 [19:22<06:23, 67.88it/s]
Training Step:
                74%|
                           74000/100000 [19:22<06:32, 66.23it/s]
Training Step:
                74%|
                           74008/100000 [19:22<06:20, 68.27it/s]
Training Step:
                74%1
                           74016/100000 [19:22<06:17, 68.79it/s]
                           | 74023/100000 [19:22<06:23,
Training Step:
                74%|
67.71it/s][INFO] Episode ended! Scenario Index: 1013 Reason:
arrive_dest.
Training Step:
                74%|
                           | 74030/100000 [19:22<07:16, 59.54it/s]
Training Step:
                74%|
                           | 74038/100000 [19:22<06:43, 64.32it/s]
Training Step:
                74%|
                           | 74046/100000 [19:22<06:24, 67.47it/s]
Training Step:
                74%|
                           | 74053/100000 [19:22<06:30, 66.52it/s]
Training Step:
                74%|
                           | 74060/100000 [19:23<06:26, 67.11it/s]
Training Step:
                74%|
                           | 74068/100000 [19:23<06:14, 69.18it/s]
```

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Training Step:
                           | 74076/100000 [19:23<06:05, 70.95it/s]
                74%|
Training Step:
                74%|
                           | 74084/100000 [19:23<06:03, 71.36it/s]
Training Step:
                74%|
                           | 74092/100000 [19:23<05:53, 73.38it/s]
Training Step:
                74%|
                           | 74100/100000 [19:23<05:52, 73.55it/s]
Training Step:
                74%1
                           74108/100000 [19:23<05:53, 73.15it/s]
Training Step:
                74%|
                           74116/100000 [19:23<05:54, 73.08it/s]
Training Step:
                74%|
                           74124/100000 [19:23<05:47, 74.40it/s]
Training Step:
                74%|
                           | 74132/100000 [19:24<05:58, 72.17it/s]
                           | 74140/100000 [19:24<06:04, 70.89it/s]
Training Step:
                74%|
Training Step:
                74%|
                           | 74148/100000 [19:24<06:02, 71.24it/s]
                           | 74156/100000 [19:24<06:03, 71.11it/s]
Training Step:
                74%|
                           | 74164/100000 [19:24<06:03, 71.00it/s]
Training Step:
                74%|
Training Step:
                74%|
                           | 74172/100000 [19:24<06:16,
68.53it/s][INFO] Episode ended! Scenario Index: 1014 Reason: crash
vehicle
Training Step:
                74%|
                           | 74179/100000 [19:24<06:58, 61.74it/s]
Training Step:
                74%|
                           | 74187/100000 [19:24<06:38, 64.78it/s]
Training Step:
                           74195/100000 [19:24<06:17, 68.31it/s]
                74%|
Training Step:
                74%1
                           | 74202/100000 [19:25<06:15, 68.71it/s]
Training Step:
                74%|
                           74209/100000 [19:25<06:15, 68.64it/s]
                           | 74216/100000 [19:25<06:27, 66.49it/s]
Training Step:
                74%|
Training Step:
                74%|
                           | 74223/100000 [19:25<06:22, 67.34it/s]
                           | 74230/100000 [19:25<06:34, 65.30it/s]
Training Step:
                74%|
Training Step:
                74%|
                           | 74238/100000 [19:25<06:26, 66.64it/s]
                           | 74245/100000 [19:25<06:28, 66.29it/s]
Training Step:
                74%|
                74%|
                           | 74252/100000 [19:25<06:33, 65.49it/s]
Training Step:
Training Step:
                74%|
                           | 74259/100000 [19:25<06:35, 65.11it/s]
                           | 74266/100000 [19:26<07:08, 60.05it/s]
Training Step:
                74%|
Training Step:
                74%|
                           | 74273/100000 [19:26<07:02, 60.85it/s]
                           | 74280/100000 [19:26<07:13, 59.36it/s]
Training Step:
                74%|
Training Step:
                74%|
                           | 74287/100000 [19:26<07:02, 60.89it/s]
Training Step:
                74%|
                           | 74294/100000 [19:26<07:08, 59.95it/s]
Training Step:
                74%|
                           | 74301/100000 [19:26<07:21, 58.15it/s]
                           | 74307/100000 [19:26<07:25, 57.65it/s]
Training Step:
                74%|
                           | 74313/100000 [19:26<07:24, 57.76it/s]
Training Step:
                74%|
Training Step:
                74%|
                           74320/100000 [19:27<07:17, 58.64it/s]
Training Step:
                74%1
                           | 74327/100000 [19:27<07:06, 60.18it/s]
                           | 74334/100000 [19:27<07:04, 60.39it/s]
Training Step:
                74%|
Training Step:
                74%|
                           | 74341/100000 [19:27<07:01, 60.87it/s]
                74%|
                           | 74348/100000 [19:27<07:01, 60.89it/s]
Training Step:
                74%|
                           | 74355/100000 [19:27<07:00, 61.02it/s]
Training Step:
Training Step:
                74%|
                           | 74362/100000 [19:27<07:32, 56.66it/s]
Training Step:
                74%|
                           | 74368/100000 [19:27<08:07, 52.62it/s]
                           | 74374/100000 [19:27<08:17, 51.56it/s]
Training Step:
                74%|
Training Step:
                74%|
                           | 74380/100000 [19:28<08:28, 50.43it/s]
Training Step:
                74%|
                           | 74386/100000 [19:28<08:33, 49.86it/s]
Training Step:
                74%|
                           | 74392/100000 [19:28<08:44, 48.78it/s]
```

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Training Step:
                           | 74397/100000 [19:28<08:48, 48.47it/s]
                74%|
Training Step:
                74%|
                           | 74402/100000 [19:28<09:03, 47.14it/s]
Training Step:
                74%|
                           | 74407/100000 [19:28<09:04, 47.02it/s]
Training Step:
                74%|
                           | 74412/100000 [19:28<09:08, 46.69it/s]
Training Step:
                74%|
                           | 74417/100000 [19:28<08:58, 47.47it/s]
Training Step:
                74%|
                           | 74422/100000 [19:29<09:17, 45.92it/s]
Training Step:
                74%|
                           | 74427/100000 [19:29<09:17, 45.91it/s]
Training Step:
                74%|
                           | 74432/100000 [19:29<09:16, 45.95it/s]
                           | 74437/100000 [19:29<09:04, 46.95it/s]
Training Step:
                74%|
Training Step:
                74%|
                           | 74442/100000 [19:29<09:02, 47.15it/s]
                74%|
                           | 74448/100000 [19:29<08:47, 48.47it/s]
Training Step:
                           | 74454/100000 [19:29<08:37, 49.35it/s]
Training Step:
                74%|
                           | 74460/100000 [19:29<08:28, 50.27it/s]
Training Step:
                74%|
Training Step:
                74%|
                           | 74466/100000 [19:29<08:13, 51.77it/s]
Training Step:
                74%|
                           | 74472/100000 [19:29<08:02, 52.88it/s]
                           | 74478/100000 [19:30<07:57, 53.45it/s]
Training Step:
                74%|
Training Step:
                74%|
                           | 74484/100000 [19:30<07:45, 54.86it/s]
                74%|
                           | 74490/100000 [19:30<07:34, 56.16it/s]
Training Step:
Training Step:
                74%|
                           | 74497/100000 [19:30<07:22, 57.66it/s]
Training Step:
                75%1
                           | 74503/100000 [19:30<07:19, 57.99it/s]
                           | 74510/100000 [19:30<07:15, 58.58it/s]
Training Step:
                75%|
                           | 74517/100000 [19:30<07:08, 59.48it/s]
Training Step:
                75%|
Training Step:
                75%|
                           | 74524/100000 [19:30<07:06, 59.75it/s]
                           | 74530/100000 [19:30<07:10, 59.18it/s]
Training Step:
                75%|
Training Step:
                75%|
                           | 74537/100000 [19:31<07:01, 60.36it/s]
                           | 74544/100000 [19:31<07:09, 59.24it/s]
Training Step:
                75%|
                75%|
                           | 74551/100000 [19:31<07:02, 60.28it/s]
Training Step:
Training Step:
                75%|
                           | 74558/100000 [19:31<06:59, 60.61it/s]
                           | 74566/100000 [19:31<06:40, 63.52it/s]
Training Step:
                75%|
Training Step:
                75%|
                           | 74573/100000 [19:31<06:58, 60.74it/s]
                75%|
                           | 74580/100000 [19:31<06:44, 62.88it/s]
Training Step:
Training Step:
                75%|
                           | 74587/100000 [19:31<06:34, 64.44it/s]
Training Step:
                75%|
                           | 74594/100000 [19:31<06:30, 65.12it/s]
Training Step:
                75%|
                           | 74602/100000 [19:32<06:25, 65.93it/s]
                           | 74610/100000 [19:32<06:15, 67.60it/s]
Training Step:
                75%|
Training Step:
                75%|
                           74618/100000 [19:32<06:03, 69.91it/s]
Training Step:
                75%|
                           74626/100000 [19:32<05:52, 72.08it/s]
Training Step:
                75%1
                           | 74634/100000 [19:32<05:42, 74.12it/s]
                           | 74644/100000 [19:32<05:19,
Training Step:
                75%|
79.34it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
arrive_dest.
Training Step:
                75%|
                           | 74652/100000 [19:32<06:37, 63.73it/s]
Training Step:
                75%|
                           | 74659/100000 [19:32<06:28, 65.23it/s]
Training Step:
                75%|
                           | 74666/100000 [19:33<06:25, 65.78it/s]
Training Step:
                75%|
                           | 74673/100000 [19:33<06:31, 64.68it/s]
Training Step:
                75%|
                           | 74680/100000 [19:33<06:36, 63.87it/s]
Training Step:
                75%|
                           | 74687/100000 [19:33<06:36, 63.83it/s]
```

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Training Step:
                           | 74694/100000 [19:33<06:49, 61.80it/s]
                75%|
Training Step:
                75%|
                           | 74701/100000 [19:33<06:48, 61.99it/s]
Training Step:
                75%|
                           | 74708/100000 [19:33<07:01, 59.96it/s]
Training Step:
                75%|
                           | 74715/100000 [19:33<06:58, 60.44it/s]
                           | 74722/100000 [19:33<07:04, 59.57it/s]
Training Step:
                75%|
Training Step:
                75%|
                             74728/100000 [19:34<07:03, 59.67it/s]
Training Step:
                75%|
                           | 74734/100000 [19:34<07:03, 59.71it/s]
Training Step:
                75%|
                           | 74740/100000 [19:34<07:03, 59.62it/s]
                           | 74746/100000 [19:34<07:05, 59.30it/s]
Training Step:
                75%|
Training Step:
                75%|
                           | 74752/100000 [19:34<07:12, 58.41it/s]
                           | 74758/100000 [19:34<07:17, 57.70it/s]
Training Step:
                75%|
                           | 74764/100000 [19:34<07:24, 56.73it/s]
Training Step:
                75%|
                             74770/100000 [19:34<07:35, 55.45it/s]
                75%|
Training Step:
                           | 74776/100000 [19:34<07:54, 53.15it/s]
Training Step:
                75%|
                           | 74782/100000 [19:35<08:06, 51.88it/s]
Training Step:
                75%|
                           | 74788/100000 [19:35<08:12, 51.20it/s]
Training Step:
                75%|
Training Step:
                75%|
                           | 74794/100000 [19:35<08:25, 49.88it/s]
                75%|
                           | 74800/100000 [19:35<08:36, 48.82it/s]
Training Step:
Training Step:
                           | 74805/100000 [19:35<08:37, 48.69it/s]
                75%|
Training Step:
                75%1
                             74810/100000 [19:35<08:44, 48.07it/s]
Training Step:
                75%|
                           74815/100000 [19:35<08:46, 47.82it/s]
Training Step:
                75%|
                           74820/100000 [19:35<08:45, 47.91it/s]
Training Step:
                75%|
                           | 74825/100000 [19:35<08:40, 48.38it/s]
                           | 74830/100000 [19:36<08:42, 48.16it/s]
Training Step:
                75%|
Training Step:
                75%|
                           | 74836/100000 [19:36<08:37, 48.58it/s]
Training Step:
                75%|
                           | 74841/100000 [19:36<08:35, 48.77it/s]
                75%|
                           | 74846/100000 [19:36<08:52, 47.25it/s]
Training Step:
Training Step:
                75%|
                           | 74851/100000 [19:36<08:47, 47.68it/s]
                           | 74856/100000 [19:36<08:50, 47.40it/s]
Training Step:
                75%|
Training Step:
                75%|
                           | 74861/100000 [19:36<08:56, 46.87it/s]
                75%|
                             74866/100000 [19:36<08:58, 46.64it/s]
Training Step:
Training Step:
                75%|
                           | 74872/100000 [19:36<08:50, 47.34it/s]
Training Step:
                75%|
                           | 74877/100000 [19:37<08:52, 47.21it/s]
Training Step:
                75%|
                           | 74882/100000 [19:37<09:06, 45.95it/s]
                           | 74887/100000 [19:37<09:06, 45.99it/s]
Training Step:
                75%|
Training Step:
                75%|
                           74892/100000 [19:37<09:16, 45.15it/s]
Training Step:
                75%|
                           74897/100000 [19:37<09:19, 44.88it/s]
Training Step:
                75%|
                           | 74902/100000 [19:37<09:55, 42.11it/s]
                           | 74907/100000 [19:37<10:05, 41.46it/s]
Training Step:
                75%|
Training Step:
                75%|
                           | 74912/100000 [19:37<10:40, 39.19it/s]
                75%|
                           | 74916/100000 [19:38<10:50, 38.56it/s]
Training Step:
                           | 74920/100000 [19:38<10:51, 38.49it/s]
Training Step:
                75%|
Training Step:
                75%|
                           | 74924/100000 [19:38<10:51, 38.48it/s]
Training Step:
                75%|
                           | 74928/100000 [19:38<10:49, 38.58it/s]
Training Step:
                75%|
                             74932/100000 [19:38<10:55, 38.23it/s]
Training Step:
                75%|
                           | 74936/100000 [19:38<11:08, 37.52it/s]
Training Step:
                75%|
                           | 74940/100000 [19:38<11:10, 37.37it/s]
Training Step:
                75%|
                           | 74944/100000 [19:38<11:04, 37.71it/s]
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Training Step:
                           | 74948/100000 [19:38<10:53, 38.35it/s]
                75%|
Training Step:
                75%|
                           | 74952/100000 [19:38<11:38, 35.85it/s]
Training Step:
                75%|
                           | 74956/100000 [19:39<12:33, 33.24it/s]
                75%|
                           | 74960/100000 [19:39<13:34, 30.74it/s]
Training Step:
                           | 74964/100000 [19:39<13:00, 32.08it/s]
Training Step:
                75%1
Training Step:
                75%|
                             74968/100000 [19:39<12:28, 33.44it/s]
Training Step:
                75%|
                           | 74973/100000 [19:39<11:37, 35.91it/s]
Training Step:
                75%|
                           | 74977/100000 [19:39<11:26, 36.45it/s]
                           | 74981/100000 [19:39<11:28, 36.33it/s]
Training Step:
                75%|
Training Step:
                75%|
                           | 74985/100000 [19:39<11:44, 35.49it/s]
                           | 74989/100000 [19:40<11:34, 36.03it/s]
Training Step:
                75%|
                           | 74994/100000 [19:40<11:04, 37.65it/s]
Training Step:
                75%|
Training Step:
                             74999/100000 [19:40<10:36, 39.27it/s]
                75%|
                           75003/100000 [19:40<10:41, 38.99it/s]
Training Step:
                75%|
                             75007/100000 [19:40<10:47, 38.63it/s]
Training Step:
                75%|
                           | 75012/100000 [19:40<10:22, 40.12it/s]
Training Step:
                75%|
Training Step:
                75%|
                             75017/100000 [19:40<09:57, 41.82it/s]
                75%|
                           | 75022/100000 [19:40<10:02, 41.44it/s]
Training Step:
Training Step:
                           | 75027/100000 [19:40<09:44, 42.72it/s]
                75%|
Training Step:
                75%1
                             75032/100000 [19:41<09:33, 43.53it/s]
Training Step:
                75%|
                           | 75038/100000 [19:41<09:09, 45.45it/s]
                           | 75044/100000 [19:41<08:45, 47.47it/s]
Training Step:
                75%|
Training Step:
                75%|
                           | 75050/100000 [19:41<08:36, 48.33it/s]
                             75056/100000 [19:41<08:17, 50.12it/s]
Training Step:
                75%|
Training Step:
                75%|
                           | 75062/100000 [19:41<08:06, 51.28it/s]
Training Step:
                75%|
                           | 75068/100000 [19:41<07:57, 52.24it/s]
                75%|
                             75074/100000 [19:41<07:40, 54.16it/s]
Training Step:
Training Step:
                75%|
                             75080/100000 [19:41<07:35, 54.73it/s]
                             75086/100000 [19:42<07:29, 55.44it/s]
Training Step:
                75%|
Training Step:
                75%|
                           | 75092/100000 [19:42<07:18, 56.74it/s]
                75%|
                             75098/100000 [19:42<07:11, 57.68it/s]
Training Step:
Training Step:
                75%|
                           | 75104/100000 [19:42<07:06, 58.32it/s]
Training Step:
                75%|
                           | 75111/100000 [19:42<06:43, 61.70it/s]
                75%|
                           | 75118/100000 [19:42<06:38, 62.49it/s]
Training Step:
Training Step:
                75%|
                           | 75125/100000 [19:42<06:26, 64.33it/s]
Training Step:
                75%|
                           | 75132/100000 [19:42<06:40, 62.11it/s]
Training Step:
                75%|
                           | 75140/100000 [19:42<06:26, 64.26it/s]
Training Step:
                75%1
                           | 75148/100000 [19:43<06:17, 65.89it/s]
                           | 75156/100000 [19:43<06:06, 67.73it/s]
Training Step:
                75%|
Training Step:
                75%|
                           | 75164/100000 [19:43<06:03, 68.29it/s]
                75%|
                           | 75171/100000 [19:43<06:03, 68.39it/s]
Training Step:
                           | 75179/100000 [19:43<05:51, 70.66it/s]
Training Step:
                75%|
Training Step:
                75%|
                           | 75187/100000 [19:43<06:04, 68.00it/s]
Training Step:
                75%|
                           75194/100000 [19:43<06:06,
67.62it/s][INFO] Episode ended! Scenario Index: 1004 Reason:
arrive_dest.
```

Training Step: 75% | 75201/100000 [19:43<07:37, 54.26it/s]

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Training Step:
                75%|
                           | 75208/100000 [19:44<07:14, 57.07it/s]
Training Step:
                75%|
                           | 75215/100000 [19:44<06:52, 60.03it/s]
Training Step:
                75%|
                           | 75222/100000 [19:44<07:24, 55.75it/s]
Training Step:
                75%|
                           | 75228/100000 [19:44<08:23, 49.16it/s]
Training Step:
                75%|
                           | 75234/100000 [19:44<08:48, 46.87it/s]
Training Step:
                75%|
                             75239/100000 [19:44<09:04, 45.50it/s]
Training Step:
                75%|
                           | 75244/100000 [19:44<09:29, 43.47it/s]
Training Step:
                75%|
                           | 75249/100000 [19:44<09:12, 44.79it/s]
Training Step:
                75%|
                           | 75254/100000 [19:45<08:57, 46.01it/s]
Training Step:
                75%|
                           | 75260/100000 [19:45<08:42, 47.35it/s]
                           | 75265/100000 [19:45<08:52, 46.45it/s]
Training Step:
                75%|
                           | 75270/100000 [19:45<08:55, 46.16it/s]
Training Step:
                75%|
Training Step:
                75%|
                             75275/100000 [19:45<08:53, 46.32it/s]
                           75280/100000 [19:45<08:56, 46.07it/s]
Training Step:
                75%|
Training Step:
                75%|
                           | 75286/100000 [19:45<08:42, 47.31it/s]
                75%|
                           | 75291/100000 [19:45<08:38, 47.65it/s]
Training Step:
Training Step:
                75%|
                           | 75297/100000 [19:45<08:19, 49.48it/s]
                75%|
                           | 75302/100000 [19:46<08:17, 49.62it/s]
Training Step:
Training Step:
                           | 75308/100000 [19:46<08:13, 50.01it/s]
                75%|
Training Step:
                75%1
                             75314/100000 [19:46<08:16, 49.75it/s]
Training Step:
                75%|
                           | 75320/100000 [19:46<08:05, 50.88it/s]
                           | 75326/100000 [19:46<08:03, 51.00it/s]
Training Step:
                75%|
Training Step:
                75%|
                           | 75332/100000 [19:46<08:09, 50.38it/s]
                           | 75338/100000 [19:46<08:49, 46.53it/s]
Training Step:
                75%|
Training Step:
                75%|
                           | 75343/100000 [19:46<08:51, 46.41it/s]
Training Step:
                75%|
                           | 75348/100000 [19:46<08:54, 46.10it/s]
                75%|
                             75353/100000 [19:47<08:51, 46.40it/s]
Training Step:
Training Step:
                75%|
                           | 75358/100000 [19:47<08:41, 47.25it/s]
                             75364/100000 [19:47<08:37, 47.62it/s]
Training Step:
                75%|
Training Step:
                75%|
                           | 75370/100000 [19:47<08:28, 48.48it/s]
                75%|
                             75375/100000 [19:47<08:24, 48.82it/s]
Training Step:
Training Step:
                75%|
                           | 75380/100000 [19:47<08:36, 47.69it/s]
Training Step:
                75%|
                           | 75385/100000 [19:47<08:40, 47.28it/s]
Training Step:
                75%|
                           | 75390/100000 [19:47<08:35, 47.78it/s]
Training Step:
                75%|
                           | 75395/100000 [19:47<08:29, 48.33it/s]
Training Step:
                75%|
                           | 75400/100000 [19:48<08:42, 47.06it/s]
Training Step:
                75%|
                           | 75405/100000 [19:48<09:11, 44.60it/s]
Training Step:
                75%|
                             75410/100000 [19:48<09:19, 43.91it/s]
                           | 75415/100000 [19:48<09:50, 41.61it/s]
Training Step:
                75%|
Training Step:
                75%|
                           | 75420/100000 [19:48<09:47, 41.83it/s]
                75%|
                           | 75425/100000 [19:48<09:39, 42.42it/s]
Training Step:
                           | 75430/100000 [19:48<09:34, 42.73it/s]
Training Step:
                75%|
Training Step:
                75%|
                           | 75435/100000 [19:48<09:23, 43.63it/s]
Training Step:
                75%|
                           75440/100000 [19:48<09:17, 44.02it/s]
Training Step:
                75%|
                             75445/100000 [19:49<08:59, 45.48it/s]
Training Step:
                75%|
                           | 75450/100000 [19:49<08:53, 46.04it/s]
Training Step:
                75%|
                           | 75455/100000 [19:49<08:58, 45.61it/s]
                           | 75460/100000 [19:49<11:08, 36.69it/s]
Training Step:
                75%|
```

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Training Step:
                75%|
                           | 75464/100000 [19:49<11:08, 36.69it/s]
                           | 75469/100000 [19:49<10:27, 39.06it/s]
Training Step:
                75%|
Training Step:
                75%|
                           | 75474/100000 [19:49<10:20, 39.50it/s]
Training Step:
                75%|
                           | 75479/100000 [19:49<10:18, 39.65it/s]
                           | 75484/100000 [19:50<09:57, 41.02it/s]
Training Step:
                75%|
Training Step:
                75%|
                             75489/100000 [19:50<09:35, 42.62it/s]
Training Step:
                75%|
                           | 75494/100000 [19:50<09:34, 42.67it/s]
Training Step:
                75%|
                           | 75499/100000 [19:50<09:30, 42.91it/s]
                           | 75504/100000 [19:50<09:43, 41.99it/s]
Training Step:
                76%|
Training Step:
                76%|
                           | 75509/100000 [19:50<09:21, 43.65it/s]
                76%|
                           | 75514/100000 [19:50<09:11, 44.41it/s]
Training Step:
                           | 75520/100000 [19:50<08:55, 45.70it/s]
Training Step:
                76%|
                             75525/100000 [19:50<08:50, 46.15it/s]
Training Step:
                76%|
                           | 75530/100000 [19:51<08:50, 46.17it/s]
Training Step:
                76%|
Training Step:
                76%|
                           | 75536/100000 [19:51<08:41, 46.92it/s]
                76%1
                           | 75541/100000 [19:51<08:38, 47.17it/s]
Training Step:
Training Step:
                76%|
                             75546/100000 [19:51<08:49, 46.16it/s]
Training Step:
                76%1
                           | 75551/100000 [19:51<08:39, 47.09it/s]
Training Step:
                           | 75556/100000 [19:51<09:21, 43.55it/s]
                76%|
Training Step:
                76%1
                             75561/100000 [19:51<10:13, 39.83it/s]
Training Step:
                76%|
                           | 75566/100000 [19:51<10:06, 40.27it/s]
                           | 75571/100000 [19:52<09:44, 41.79it/s]
Training Step:
                76%|
Training Step:
                76%|
                           | 75576/100000 [19:52<09:40, 42.07it/s]
Training Step:
                           | 75582/100000 [19:52<09:14, 44.01it/s]
                76%|
Training Step:
                76%|
                           | 75588/100000 [19:52<08:53, 45.80it/s]
Training Step:
                76%|
                           | 75594/100000 [19:52<08:38, 47.06it/s]
Training Step:
                76%1
                           | 75599/100000 [19:52<08:34, 47.46it/s]
Training Step:
                76%|
                           | 75604/100000 [19:52<08:37, 47.12it/s]
                             75610/100000 [19:52<08:27, 48.02it/s]
Training Step:
                76%|
Training Step:
                76%|
                           | 75616/100000 [19:53<08:27, 48.02it/s]
                             75621/100000 [19:53<09:07, 44.51it/s]
Training Step:
                76%1
Training Step:
                76%|
                           | 75626/100000 [19:53<08:58, 45.23it/s]
Training Step:
                76%1
                           | 75632/100000 [19:53<08:23, 48.40it/s]
Training Step:
                76%|
                           | 75638/100000 [19:53<08:03, 50.39it/s]
Training Step:
                           | 75644/100000 [19:53<07:47, 52.14it/s]
                76%|
                           | 75650/100000 [19:53<07:31, 53.95it/s]
Training Step:
                76%|
                           | 75656/100000 [19:53<07:23, 54.89it/s]
Training Step:
                76%|
Training Step:
                76%|
                             75662/100000 [19:53<07:18, 55.55it/s]
Training Step:
                           | 75669/100000 [19:53<06:59, 58.03it/s]
                76%|
Training Step:
                76%|
                           | 75675/100000 [19:54<07:04, 57.29it/s]
Training Step:
                76%|
                           | 75681/100000 [19:54<07:09, 56.61it/s]
Training Step:
                76%1
                           | 75687/100000 [19:54<07:35, 53.33it/s]
Training Step:
                76%|
                           | 75693/100000 [19:54<07:43, 52.43it/s]
Training Step:
                76%|
                             75699/100000 [19:54<07:52, 51.42it/s]
Training Step:
                76%1
                           | 75705/100000 [19:54<08:07,
49.85it/s][INFO] Episode ended! Scenario Index: 1007 Reason:
arrive_dest.
```

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Training Step:
                76%1
                           | 75711/100000 [19:54<10:01, 40.36it/s]
Training Step:
                76%|
                           | 75717/100000 [19:55<09:02, 44.73it/s]
Training Step:
                76%
                           | 75724/100000 [19:55<08:20, 48.49it/s]
Training Step:
                76%|
                           | 75731/100000 [19:55<07:37, 53.03it/s]
                           | 75737/100000 [19:55<07:30, 53.86it/s]
Training Step:
                76%1
Training Step:
                76%|
                             75743/100000 [19:55<07:22, 54.76it/s]
Training Step:
                76%|
                           | 75749/100000 [19:55<07:20, 54.99it/s]
Training Step:
                76%|
                           | 75755/100000 [19:55<07:28, 54.10it/s]
Training Step:
                76%|
                           | 75761/100000 [19:55<07:24, 54.54it/s]
Training Step:
                76%|
                           | 75767/100000 [19:55<07:22, 54.75it/s]
                76%|
                           | 75774/100000 [19:56<07:08, 56.49it/s]
Training Step:
                           | 75780/100000 [19:56<07:05, 56.98it/s]
Training Step:
                76%|
                             75786/100000 [19:56<07:08, 56.56it/s]
Training Step:
                76%|
                             75792/100000 [19:56<07:28, 54.02it/s]
Training Step:
                76%|
                           | 75798/100000 [19:56<07:36, 53.04it/s]
Training Step:
                76%
                76%
                           | 75804/100000 [19:56<07:42, 52.37it/s]
Training Step:
Training Step:
                76%|
                             75810/100000 [19:56<07:43, 52.18it/s]
Training Step:
                76%
                           | 75816/100000 [19:56<07:44, 52.04it/s]
Training Step:
                           | 75822/100000 [19:56<07:55, 50.89it/s]
                76%|
Training Step:
                76%1
                           | 75828/100000 [19:57<07:55, 50.88it/s]
                           | 75834/100000 [19:57<07:51, 51.26it/s]
Training Step:
                76%|
                           | 75840/100000 [19:57<08:04, 49.86it/s]
Training Step:
                76%|
Training Step:
                76%|
                           | 75845/100000 [19:57<08:09, 49.38it/s]
Training Step:
                           | 75850/100000 [19:57<08:28, 47.49it/s]
                76%|
Training Step:
                76%|
                           | 75855/100000 [19:57<09:12, 43.68it/s]
                           | 75860/100000 [19:57<10:15, 39.22it/s]
Training Step:
                76%|
                             75865/100000 [19:57<10:36, 37.92it/s]
                76%
Training Step:
Training Step:
                76%|
                           | 75869/100000 [19:58<10:39, 37.72it/s]
                             75873/100000 [19:58<10:34, 38.00it/s]
Training Step:
                76%|
Training Step:
                76%
                           | 75877/100000 [19:58<11:02, 36.42it/s]
                76%
                             75881/100000 [19:58<11:07, 36.13it/s]
Training Step:
                           | 75885/100000 [19:58<11:06, 36.20it/s]
Training Step:
                76%|
Training Step:
                76%
                           | 75889/100000 [19:58<11:01, 36.44it/s]
Training Step:
                76%|
                           | 75893/100000 [19:58<11:05, 36.22it/s]
                           | 75897/100000 [19:58<11:02, 36.36it/s]
Training Step:
                76%|
                           | 75902/100000 [19:58<10:50, 37.06it/s]
Training Step:
                76%|
Training Step:
                76%|
                           | 75907/100000 [19:59<10:20, 38.86it/s]
Training Step:
                76%|
                             75912/100000 [19:59<10:14, 39.22it/s]
Training Step:
                           | 75917/100000 [19:59<09:50, 40.77it/s]
                76%|
Training Step:
                76%|
                           | 75922/100000 [19:59<09:40, 41.47it/s]
Training Step:
                76%|
                           | 75927/100000 [19:59<09:18, 43.06it/s]
Training Step:
                76%1
                           | 75932/100000 [19:59<09:23, 42.74it/s]
Training Step:
                76%|
                           | 75937/100000 [19:59<09:12, 43.53it/s]
                           75942/100000 [19:59<09:11, 43.63it/s]
Training Step:
                76%|
Training Step:
                76%|
                             75947/100000 [19:59<09:01, 44.40it/s]
Training Step:
                76%1
                           | 75952/100000 [20:00<09:00, 44.45it/s]
                           | 75957/100000 [20:00<08:58, 44.65it/s]
Training Step:
                76%|
Training Step:
                76%1
                           | 75962/100000 [20:00<09:00, 44.46it/s]
```

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Training Step:
                76%1
                           | 75967/100000 [20:00<09:11, 43.58it/s]
Training Step:
                76%|
                           | 75972/100000 [20:00<09:23, 42.66it/s]
Training Step:
                76%1
                           | 75977/100000 [20:00<09:32, 41.93it/s]
Training Step:
                76%|
                           | 75982/100000 [20:00<09:55, 40.33it/s]
                           | 75987/100000 [20:00<09:56, 40.23it/s]
Training Step:
                76%1
Training Step:
                76%|
                             75992/100000 [20:01<10:12, 39.22it/s]
Training Step:
                76%|
                           | 75996/100000 [20:01<10:16, 38.92it/s]
Training Step:
                76%|
                           | 76000/100000 [20:01<10:45, 37.16it/s]
                           | 76004/100000 [20:01<10:34, 37.81it/s]
Training Step:
                76%|
Training Step:
                76%|
                           | 76009/100000 [20:01<10:13, 39.10it/s]
                           | 76014/100000 [20:01<10:15, 38.99it/s]
Training Step:
                76%|
                           | 76018/100000 [20:01<10:26, 38.25it/s]
Training Step:
                76%|
                             76023/100000 [20:01<10:03, 39.70it/s]
Training Step:
                76%|
                           | 76027/100000 [20:01<10:04, 39.67it/s]
Training Step:
                76%
                           | 76032/100000 [20:02<09:57, 40.09it/s]
Training Step:
                76%1
                           | 76037/100000 [20:02<09:47, 40.78it/s]
Training Step:
                76%
                           | 76042/100000 [20:02<09:53, 40.35it/s]
Training Step:
                76%|
Training Step:
                76%1
                           | 76047/100000 [20:02<09:45, 40.88it/s]
Training Step:
                           | 76052/100000 [20:02<11:12, 35.60it/s]
                76%|
Training Step:
                76%1
                             76057/100000 [20:02<10:39, 37.42it/s]
Training Step:
                76%|
                           | 76062/100000 [20:02<10:24, 38.34it/s]
                           | 76067/100000 [20:03<09:54, 40.24it/s]
Training Step:
                76%|
Training Step:
                76%1
                           | 76072/100000 [20:03<09:32, 41.79it/s]
Training Step:
                           | 76077/100000 [20:03<09:17, 42.94it/s]
                76%|
Training Step:
                76%1
                           | 76082/100000 [20:03<09:09,
43.55it/s][INFO] Episode ended! Scenario Index: 1004 Reason: crash
vehicle
Training Step:
                           | 76087/100000 [20:03<09:43, 40.96it/s]
                76%
Training Step:
                76%1
                             76095/100000 [20:03<07:50, 50.85it/s]
Training Step:
                76%1
                           | 76103/100000 [20:03<06:52, 57.94it/s]
Training Step:
                76%|
                           | 76111/100000 [20:03<06:21, 62.64it/s]
Training Step:
                76%
                           | 76118/100000 [20:03<06:09, 64.68it/s]
Training Step:
                76%|
                           76126/100000 [20:04<05:48, 68.45it/s]
Training Step:
                           76134/100000 [20:04<05:37, 70.75it/s]
                76%|
                           76142/100000 [20:04<05:41, 69.80it/s]
Training Step:
                76%|
                           | 76150/100000 [20:04<05:39, 70.29it/s]
Training Step:
                76%|
Training Step:
                76%1
                           | 76158/100000 [20:04<05:34, 71.21it/s]
Training Step:
                           | 76166/100000 [20:04<05:37, 70.69it/s]
                76%|
                           | 76174/100000 [20:04<05:35, 71.04it/s]
Training Step:
                76%|
Training Step:
                76%|
                           | 76182/100000 [20:04<05:50, 67.95it/s]
Training Step:
                76%
                           76189/100000 [20:04<05:57, 66.54it/s]
Training Step:
                76%|
                           | 76196/100000 [20:05<06:08, 64.67it/s]
                           | 76203/100000 [20:05<06:00, 65.93it/s]
Training Step:
                76%
                             76210/100000 [20:05<06:04, 65.25it/s]
Training Step:
                76%
Training Step:
                76%
                           | 76217/100000 [20:05<06:01, 65.84it/s]
Training Step:
                76%|
                           | 76224/100000 [20:05<06:03, 65.35it/s]
Training Step:
                76%
                           | 76231/100000 [20:05<06:00,
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65.92it/s][INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle

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Training Step:
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                           | 76238/100000 [20:05<07:01, 56.32it/s]
Training Step:
                           | 76247/100000 [20:05<06:12, 63.77it/s]
                76%1
Training Step:
                76%|
                             76256/100000 [20:05<05:43, 69.04it/s]
Training Step:
                76%|
                           | 76264/100000 [20:06<05:44, 68.84it/s]
Training Step:
                76%|
                           | 76272/100000 [20:06<05:48, 68.18it/s]
Training Step:
                76%|
                           | 76279/100000 [20:06<05:55, 66.70it/s]
Training Step:
                76%|
                           | 76286/100000 [20:06<06:06, 64.63it/s]
                           | 76293/100000 [20:06<06:05, 64.85it/s]
Training Step:
                76%|
                           | 76300/100000 [20:06<06:15, 63.14it/s]
Training Step:
                76%
                             76307/100000 [20:06<06:26, 61.34it/s]
Training Step:
                76%|
                             76314/100000 [20:06<06:40, 59.16it/s]
Training Step:
                76%
                             76320/100000 [20:06<06:39, 59.21it/s]
Training Step:
                76%
                76%
                           | 76326/100000 [20:07<06:41, 58.94it/s]
Training Step:
Training Step:
                76%|
                             76333/100000 [20:07<06:32, 60.34it/s]
Training Step:
                76%
                           | 76340/100000 [20:07<06:34, 60.02it/s]
Training Step:
                           | 76347/100000 [20:07<06:39, 59.13it/s]
                76%|
Training Step:
                76%1
                             76353/100000 [20:07<06:44, 58.42it/s]
Training Step:
                76%|
                           76359/100000 [20:07<06:43, 58.53it/s]
                             76365/100000 [20:07<06:42, 58.78it/s]
Training Step:
                76%|
Training Step:
                76%|
                           | 76372/100000 [20:07<06:40, 58.95it/s]
Training Step:
                           | 76378/100000 [20:07<06:39, 59.08it/s]
                76%|
Training Step:
                76%|
                           | 76385/100000 [20:08<06:26, 61.15it/s]
Training Step:
                76%|
                           | 76392/100000 [20:08<06:30, 60.40it/s]
Training Step:
                76%
                           | 76399/100000 [20:08<07:00, 56.18it/s]
Training Step:
                76%|
                           | 76405/100000 [20:08<07:08, 55.02it/s]
                             76411/100000 [20:08<07:13, 54.46it/s]
Training Step:
                76%
Training Step:
                76%
                           | 76417/100000 [20:08<07:18, 53.78it/s]
Training Step:
                76%1
                             76423/100000 [20:08<07:20, 53.58it/s]
Training Step:
                76%|
                           | 76429/100000 [20:08<07:28, 52.61it/s]
Training Step:
                76%
                           | 76435/100000 [20:09<07:35, 51.68it/s]
Training Step:
                76%|
                           | 76441/100000 [20:09<07:53, 49.78it/s]
Training Step:
                           | 76447/100000 [20:09<07:42, 50.91it/s]
                76%|
Training Step:
                76%|
                           | 76453/100000 [20:09<08:28, 46.32it/s]
Training Step:
                76%|
                           | 76458/100000 [20:09<08:19, 47.11it/s]
Training Step:
                76%|
                             76465/100000 [20:09<07:34, 51.73it/s]
Training Step:
                           | 76472/100000 [20:09<07:12, 54.43it/s]
                76%|
Training Step:
                76%|
                           | 76479/100000 [20:09<06:57, 56.33it/s]
Training Step:
                76%|
                           | 76485/100000 [20:09<07:18, 53.57it/s]
Training Step:
                76%1
                           | 76491/100000 [20:10<07:08, 54.84it/s]
Training Step:
                76%|
                           | 76497/100000 [20:10<07:00, 55.92it/s]
                           76504/100000 [20:10<06:49, 57.36it/s]
Training Step:
                77%|
Training Step:
                77%|
                             76510/100000 [20:10<06:46, 57.77it/s]
Training Step:
                77%|
                           | 76517/100000 [20:10<06:34, 59.54it/s]
                           | 76524/100000 [20:10<06:31, 59.95it/s]
Training Step:
                77%|
Training Step:
                77%|
                           | 76531/100000 [20:10<06:22, 61.38it/s]
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Training Step:
                77%|
                           | 76545/100000 [20:10<06:12, 63.01it/s]
Training Step:
                77%|
                           | 76552/100000 [20:11<06:25, 60.86it/s]
Training Step:
                77%|
                           | 76559/100000 [20:11<06:42, 58.26it/s]
                           | 76565/100000 [20:11<06:53, 56.62it/s]
Training Step:
                77%1
Training Step:
                77%|
                             76571/100000 [20:11<06:55, 56.38it/s]
Training Step:
                77%|
                           | 76577/100000 [20:11<06:52, 56.75it/s]
Training Step:
                77%|
                           | 76583/100000 [20:11<07:07, 54.76it/s]
                           | 76589/100000 [20:11<08:14, 47.38it/s]
Training Step:
                77%|
Training Step:
                77%|
                           | 76595/100000 [20:11<08:00, 48.70it/s]
                77%|
                           | 76601/100000 [20:12<07:56, 49.07it/s]
Training Step:
                             76607/100000 [20:12<07:54, 49.35it/s]
Training Step:
                77%|
                             76613/100000 [20:12<07:35, 51.31it/s]
Training Step:
                77%|
                             76619/100000 [20:12<07:21, 52.92it/s]
Training Step:
                77%|
                             76625/100000 [20:12<07:14, 53.75it/s]
Training Step:
                77%|
                           | 76632/100000 [20:12<06:57, 55.93it/s]
Training Step:
                77%|
Training Step:
                77%|
                             76639/100000 [20:12<06:42, 58.04it/s]
Training Step:
                77%|
                           | 76645/100000 [20:12<06:44, 57.78it/s]
Training Step:
                           | 76652/100000 [20:12<06:35, 59.06it/s]
                77%|
Training Step:
                77%1
                             76659/100000 [20:13<06:27, 60.26it/s]
Training Step:
                             76666/100000 [20:13<06:22, 60.94it/s]
                77%|
                           | 76673/100000 [20:13<06:22, 60.91it/s]
Training Step:
                77%|
Training Step:
                77%1
                           | 76680/100000 [20:13<06:25, 60.42it/s]
Training Step:
                           | 76687/100000 [20:13<06:27, 60.12it/s]
                77%|
Training Step:
                77%|
                           | 76694/100000 [20:13<06:36, 58.83it/s]
Training Step:
                77%|
                           | 76701/100000 [20:13<06:17, 61.64it/s]
Training Step:
                77%|
                           | 76708/100000 [20:13<06:10, 62.90it/s]
Training Step:
                77%|
                           | 76716/100000 [20:13<05:52, 66.01it/s]
                             76723/100000 [20:14<05:47, 66.94it/s]
Training Step:
                77%|
Training Step:
                77%|
                             76731/100000 [20:14<05:38, 68.70it/s]
                77%|
                           | 76739/100000 [20:14<05:28,
Training Step:
70.70it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
arrive_dest.
                           | 76747/100000 [20:14<06:31, 59.46it/s]
Training Step:
                77%|
                           | 76754/100000 [20:14<06:20, 61.02it/s]
Training Step:
                77%|
                           | 76761/100000 [20:14<06:08, 63.01it/s]
Training Step:
                77%|
Training Step:
                77%|
                             76768/100000 [20:14<06:18, 61.42it/s]
Training Step:
                           | 76775/100000 [20:14<06:24, 60.33it/s]
                77%|
Training Step:
                77%|
                           | 76782/100000 [20:15<06:34, 58.84it/s]
Training Step:
                77%|
                           | 76788/100000 [20:15<06:34, 58.84it/s]
Training Step:
                77%|
                           | 76795/100000 [20:15<06:24, 60.39it/s]
Training Step:
                77%|
                           | 76802/100000 [20:15<06:31, 59.29it/s]
                             76809/100000 [20:15<06:27, 59.91it/s]
Training Step:
                77%|
                             76816/100000 [20:15<06:35, 58.67it/s]
Training Step:
                77%|
Training Step:
                77%|
                           | 76822/100000 [20:15<06:33, 58.85it/s]
Training Step:
                77%|
                           | 76828/100000 [20:15<06:32, 58.98it/s]
Training Step:
                77%|
                           | 76835/100000 [20:15<06:26, 59.96it/s]
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| 76538/100000 [20:10<06:13, 62.74it/s]

Training Step:

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Training Step:
                77%|
                           | 76842/100000 [20:16<06:25, 60.08it/s]
Training Step:
                77%|
                           | 76849/100000 [20:16<06:14, 61.79it/s]
Training Step:
                77%|
                             76856/100000 [20:16<06:18, 61.18it/s]
Training Step:
                77%|
                           | 76863/100000 [20:16<06:34, 58.60it/s]
                           | 76869/100000 [20:16<07:05, 54.34it/s]
Training Step:
                77%1
Training Step:
                77%|
                             76875/100000 [20:16<07:22, 52.28it/s]
Training Step:
                77%|
                           76881/100000 [20:16<07:40, 50.25it/s]
Training Step:
                77%|
                           | 76887/100000 [20:16<07:48, 49.34it/s]
Training Step:
                77%|
                           | 76892/100000 [20:17<07:59, 48.16it/s]
Training Step:
                77%|
                           | 76897/100000 [20:17<07:57, 48.39it/s]
                77%|
                           | 76902/100000 [20:17<08:05, 47.54it/s]
Training Step:
                           | 76907/100000 [20:17<08:09, 47.18it/s]
Training Step:
                77%|
                             76912/100000 [20:17<08:25, 45.69it/s]
Training Step:
                77%|
Training Step:
                77%|
                             76917/100000 [20:17<08:32, 45.02it/s]
Training Step:
                77%|
                           | 76922/100000 [20:17<08:39,
44.44it/s][INFO] Episode ended! Scenario Index: 1004 Reason: crash
vehicle
                           | 76927/100000 [20:17<09:59, 38.52it/s]
Training Step:
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Training Step:
                77%1
                             76935/100000 [20:17<08:04, 47.58it/s]
Training Step:
                77%|
                           | 76942/100000 [20:18<07:19, 52.50it/s]
                             76950/100000 [20:18<06:32, 58.68it/s]
Training Step:
                77%|
Training Step:
                77%1
                           | 76957/100000 [20:18<06:20, 60.59it/s]
Training Step:
                           | 76964/100000 [20:18<06:18, 60.84it/s]
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Training Step:
                77%|
                           | 76971/100000 [20:18<06:26, 59.59it/s]
                           | 76978/100000 [20:18<06:22, 60.13it/s]
Training Step:
                77%|
                           | 76985/100000 [20:18<06:14, 61.47it/s]
                77%|
Training Step:
Training Step:
                77%|
                           | 76992/100000 [20:18<06:21, 60.33it/s]
                             76999/100000 [20:18<06:19, 60.65it/s]
Training Step:
                77%|
Training Step:
                77%|
                           | 77006/100000 [20:19<06:28, 59.17it/s]
                77%|
                             77012/100000 [20:19<06:32, 58.61it/s]
Training Step:
Training Step:
                77%|
                           | 77018/100000 [20:19<06:30, 58.83it/s]
Training Step:
                77%|
                           | 77025/100000 [20:19<06:24, 59.78it/s]
Training Step:
                77%|
                           | 77032/100000 [20:19<06:17, 60.77it/s]
                           | 77039/100000 [20:19<06:05, 62.81it/s]
Training Step:
                77%|
                           | 77046/100000 [20:19<06:07, 62.38it/s]
Training Step:
                77%|
                           | 77053/100000 [20:19<06:06, 62.58it/s]
Training Step:
                77%|
Training Step:
                77%|
                             77060/100000 [20:19<06:10, 61.89it/s]
Training Step:
                           | 77067/100000 [20:20<05:58, 63.95it/s]
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Training Step:
                77%|
                           | 77074/100000 [20:20<06:04, 62.96it/s]
                77%|
                           | 77081/100000 [20:20<05:54, 64.64it/s]
Training Step:
Training Step:
                77%|
                             77088/100000 [20:20<05:52, 64.96it/s]
Training Step:
                77%|
                           | 77095/100000 [20:20<05:54, 64.55it/s]
Training Step:
                77%|
                           77102/100000 [20:20<06:10, 61.72it/s]
Training Step:
                77%|
                             77109/100000 [20:20<06:11, 61.63it/s]
Training Step:
                77%|
                           | 77116/100000 [20:20<06:16, 60.76it/s]
                           | 77123/100000 [20:21<06:17, 60.63it/s]
Training Step:
                77%|
Training Step:
                77%|
                           | 77130/100000 [20:21<06:24, 59.47it/s]
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Training Step:
                77%|
                           | 77136/100000 [20:21<06:36, 57.61it/s]
Training Step:
                77%|
                           | 77142/100000 [20:21<06:38, 57.33it/s]
Training Step:
                77%|
                           | 77148/100000 [20:21<06:46, 56.21it/s]
Training Step:
                77%|
                           77154/100000 [20:21<06:53, 55.27it/s]
Training Step:
                           77160/100000 [20:21<07:09, 53.21it/s]
                77%1
Training Step:
                77%|
                            77166/100000 [20:21<07:12, 52.76it/s]
Training Step:
                77%|
                           77172/100000 [20:21<07:07, 53.42it/s]
Training Step:
                77%|
                           | 77178/100000 [20:22<06:57, 54.62it/s]
                           77184/100000 [20:22<06:56, 54.75it/s]
Training Step:
                77%|
Training Step:
                77%|
                           | 77190/100000 [20:22<07:00, 54.24it/s]
                77%|
                           | 77196/100000 [20:22<07:05, 53.61it/s]
Training Step:
                           | 77202/100000 [20:22<07:13, 52.54it/s]
Training Step:
                77%|
                           | 77208/100000 [20:22<07:12, 52.69it/s]
Training Step:
                77%|
                           77214/100000 [20:22<07:12, 52.67it/s]
Training Step:
                77%|
                           | 77220/100000 [20:22<07:11, 52.80it/s]
Training Step:
                77%|
                77%|
                           | 77226/100000 [20:22<07:14, 52.47it/s]
Training Step:
Training Step:
                77%|
                           | 77232/100000 [20:23<07:08, 53.08it/s]
Training Step:
                77%|
                           | 77238/100000 [20:23<07:14, 52.39it/s]
Training Step:
                           | 77244/100000 [20:23<07:12, 52.60it/s]
                77%|
Training Step:
                77%1
                           | 77250/100000 [20:23<07:18, 51.93it/s]
                           | 77256/100000 [20:23<07:04, 53.53it/s]
Training Step:
                77%|
Training Step:
                77%|
                           77262/100000 [20:23<07:01, 53.98it/s]
Training Step:
                77%|
                           77268/100000 [20:23<06:50,
55.34it/s][INFO] Episode ended! Scenario Index: 1013 Reason: crash
vehicle
Training Step:
                77%|
                           | 77274/100000 [20:23<07:56, 47.74it/s]
Training Step:
                77%|
                           | 77282/100000 [20:23<06:50, 55.38it/s]
                           | 77290/100000 [20:24<06:07, 61.73it/s]
Training Step:
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Training Step:
                77%|
                           | 77297/100000 [20:24<05:57, 63.47it/s]
                77%|
                           | 77304/100000 [20:24<06:17, 60.09it/s]
Training Step:
Training Step:
                77%|
                           | 77311/100000 [20:24<06:45, 55.98it/s]
Training Step:
                77%|
                           | 77317/100000 [20:24<06:47, 55.73it/s]
Training Step:
                77%|
                           77323/100000 [20:24<07:18, 51.68it/s]
Training Step:
                           77329/100000 [20:24<07:13, 52.31it/s]
                77%|
                           77335/100000 [20:24<07:00, 53.90it/s]
Training Step:
                77%|
Training Step:
                77%|
                           77341/100000 [20:25<07:33, 50.01it/s]
Training Step:
                77%|
                           | 77347/100000 [20:25<08:04, 46.79it/s]
Training Step:
                           | 77352/100000 [20:25<08:32, 44.20it/s]
                77%|
Training Step:
                77%|
                           | 77357/100000 [20:25<09:00, 41.86it/s]
Training Step:
                77%|
                           | 77362/100000 [20:25<09:00, 41.90it/s]
Training Step:
                77%|
                           | 77368/100000 [20:25<08:39, 43.57it/s]
Training Step:
                77%|
                           | 77374/100000 [20:25<08:12, 45.93it/s]
                           77380/100000 [20:25<07:55, 47.58it/s]
Training Step:
                77%|
Training Step:
                77%|
                            77386/100000 [20:26<07:38, 49.31it/s]
Training Step:
                77%|
                           | 77392/100000 [20:26<07:24, 50.85it/s]
                           | 77398/100000 [20:26<07:13, 52.19it/s]
Training Step:
                77%|
Training Step:
                77%|
                           | 77404/100000 [20:26<07:04, 53.20it/s]
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Training Step:
                77%|
                           | 77410/100000 [20:26<06:51, 54.85it/s]
Training Step:
                77%|
                           | 77416/100000 [20:26<06:44, 55.80it/s]
Training Step:
                77%|
                             77422/100000 [20:26<07:01, 53.55it/s]
Training Step:
                77%|
                           | 77428/100000 [20:26<07:18, 51.49it/s]
                           | 77434/100000 [20:26<07:24, 50.82it/s]
Training Step:
                77%1
Training Step:
                77%|
                             77440/100000 [20:27<07:23, 50.84it/s]
Training Step:
                77%|
                           77446/100000 [20:27<07:21, 51.10it/s]
Training Step:
                77%|
                           | 77452/100000 [20:27<07:18, 51.44it/s]
Training Step:
                77%|
                           77458/100000 [20:27<07:02, 53.30it/s]
Training Step:
                77%|
                           | 77464/100000 [20:27<07:07, 52.74it/s]
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                           | 77470/100000 [20:27<07:05, 52.98it/s]
Training Step:
                           | 77476/100000 [20:27<07:09, 52.50it/s]
Training Step:
                77%|
                             77482/100000 [20:27<07:06, 52.81it/s]
Training Step:
                77%|
                             77488/100000 [20:27<06:59, 53.61it/s]
Training Step:
                77%|
                           | 77494/100000 [20:28<06:59, 53.60it/s]
Training Step:
                77%|
                78%|
                           | 77500/100000 [20:28<06:51, 54.61it/s]
Training Step:
Training Step:
                78%|
                             77506/100000 [20:28<06:49, 54.90it/s]
Training Step:
                78%|
                           | 77512/100000 [20:28<07:09, 52.35it/s]
Training Step:
                           | 77518/100000 [20:28<08:37, 43.44it/s]
                78%|
Training Step:
                78%1
                           | 77523/100000 [20:28<08:49, 42.48it/s]
Training Step:
                78%|
                           77528/100000 [20:28<09:16, 40.39it/s]
Training Step:
                78%|
                           77533/100000 [20:28<08:53, 42.09it/s]
Training Step:
                78%|
                           | 77538/100000 [20:29<08:53, 42.07it/s]
Training Step:
                           | 77543/100000 [20:29<08:49, 42.38it/s]
                78%|
Training Step:
                78%|
                           | 77548/100000 [20:29<08:55, 41.91it/s]
Training Step:
                78%|
                           | 77553/100000 [20:29<08:55, 41.94it/s]
                78%|
                           | 77558/100000 [20:29<08:40, 43.14it/s]
Training Step:
Training Step:
                78%|
                             77563/100000 [20:29<08:33, 43.69it/s]
                             77568/100000 [20:29<08:19, 44.91it/s]
Training Step:
                78%|
Training Step:
                78%|
                           | 77573/100000 [20:29<08:04, 46.32it/s]
                78%|
                             77579/100000 [20:30<07:40, 48.67it/s]
Training Step:
Training Step:
                78%|
                           | 77585/100000 [20:30<07:18, 51.13it/s]
Training Step:
                78%|
                           | 77591/100000 [20:30<07:10, 52.02it/s]
Training Step:
                78%|
                           | 77597/100000 [20:30<07:04, 52.78it/s]
Training Step:
                           | 77603/100000 [20:30<07:01, 53.09it/s]
                78%|
                           | 77609/100000 [20:30<07:26, 50.11it/s]
Training Step:
                78%|
Training Step:
                78%|
                           77615/100000 [20:30<07:40, 48.60it/s]
Training Step:
                78%|
                             77620/100000 [20:30<07:43, 48.33it/s]
Training Step:
                           | 77625/100000 [20:30<07:41, 48.52it/s]
                78%|
Training Step:
                78%|
                           | 77630/100000 [20:31<07:54, 47.11it/s]
Training Step:
                78%|
                           | 77635/100000 [20:31<07:57, 46.87it/s]
Training Step:
                78%|
                           | 77640/100000 [20:31<08:13, 45.35it/s]
Training Step:
                78%|
                           | 77645/100000 [20:31<08:17, 44.90it/s]
                           | 77650/100000 [20:31<08:33, 43.56it/s]
Training Step:
                78%|
Training Step:
                78%|
                             77655/100000 [20:31<08:16, 44.98it/s]
Training Step:
                78%|
                           | 77660/100000 [20:31<08:28, 43.94it/s]
                           | 77665/100000 [20:31<09:12, 40.42it/s]
Training Step:
                78%|
Training Step:
                78%|
                           | 77670/100000 [20:31<08:52, 41.91it/s]
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Training Step:
                           | 77675/100000 [20:32<08:36, 43.24it/s]
                78%|
Training Step:
                78%|
                           | 77680/100000 [20:32<08:27, 44.00it/s]
Training Step:
                78%|
                           | 77685/100000 [20:32<08:10, 45.51it/s]
Training Step:
                78%|
                           | 77690/100000 [20:32<08:07, 45.74it/s]
                           | 77696/100000 [20:32<07:47, 47.74it/s]
Training Step:
                78% l
Training Step:
                78%|
                             77702/100000 [20:32<07:31, 49.37it/s]
                           | 77708/100000 [20:32<07:15, 51.18it/s]
Training Step:
                78%|
Training Step:
                78%|
                           | 77714/100000 [20:32<07:14, 51.35it/s]
                           | 77720/100000 [20:32<07:08, 52.02it/s]
Training Step:
                78%|
Training Step:
                78%|
                           | 77726/100000 [20:33<06:58, 53.19it/s]
                           | 77732/100000 [20:33<07:06, 52.18it/s]
Training Step:
                78%|
                           | 77738/100000 [20:33<06:57, 53.30it/s]
Training Step:
                78%|
                             77744/100000 [20:33<06:56, 53.38it/s]
Training Step:
                78%|
                           | 77750/100000 [20:33<06:49, 54.31it/s]
Training Step:
                78%|
Training Step:
                78%|
                           | 77756/100000 [20:33<06:50, 54.24it/s]
                78%|
                           | 77763/100000 [20:33<06:32, 56.63it/s]
Training Step:
Training Step:
                78%|
                             77769/100000 [20:33<06:27, 57.36it/s]
                78%|
                           | 77776/100000 [20:33<06:24,
Training Step:
57.74it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
arrive dest.
```

| 77782/100000 [20:34<07:56, 46.62it/s] Training Step: 78%| Training Step: 78%| | 77789/100000 [20:34<07:12, 51.37it/s] Training Step: | 77796/100000 [20:34<06:54, 53.51it/s] 78%| Training Step: 78%| | 77803/100000 [20:34<06:28, 57.15it/s] | 77809/100000 [20:34<06:31, 56.70it/s] Training Step: 78%| 78%| | 77815/100000 [20:34<06:30, 56.83it/s] Training Step: Training Step: 78%| | 77821/100000 [20:34<06:27, 57.23it/s] 77827/100000 [20:34<06:35, 56.11it/s] Training Step: 78%| Training Step: 78%| | 77833/100000 [20:35<06:30, 56.80it/s] 78%| 77839/100000 [20:35<06:30, 56.74it/s] Training Step: Training Step: 78%| | 77845/100000 [20:35<07:12, 51.24it/s] Training Step: 78%| | 77851/100000 [20:35<07:09, 51.51it/s] Training Step: 78%| | 77857/100000 [20:35<07:03, 52.25it/s] | 77863/100000 [20:35<06:56, 53.19it/s] Training Step: 78%| Training Step: 78%| 77869/100000 [20:35<06:43, 54.91it/s] Training Step: 78%| | 77876/100000 [20:35<06:35, 56.01it/s] Training Step: 78%1 77882/100000 [20:35<06:29, 56.79it/s] | 77888/100000 [20:36<06:38, 55.55it/s] Training Step: 78%| Training Step: 78%| | 77894/100000 [20:36<06:31, 56.44it/s] 78%| | 77900/100000 [20:36<06:31, 56.40it/s] Training Step: Training Step: 78%| | 77906/100000 [20:36<06:58, 52.77it/s] Training Step: 78%| | 77912/100000 [20:36<07:12, 51.12it/s] 77918/100000 [20:36<07:28, 49.28it/s] Training Step: 78%| Training Step: 78%| 77923/100000 [20:36<07:39, 48.10it/s] Training Step: 78%| | 77928/100000 [20:36<07:44, 47.47it/s] Training Step: 78%| | 77933/100000 [20:36<08:00, 45.92it/s] Training Step: 78%| | 77938/100000 [20:37<07:58, 46.15it/s]

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Training Step:
                           | 77944/100000 [20:37<07:36, 48.35it/s]
                78%|
Training Step:
                78%|
                             77950/100000 [20:37<07:14, 50.72it/s]
Training Step:
                78%|
                             77956/100000 [20:37<07:05, 51.77it/s]
Training Step:
                78%|
                           | 77962/100000 [20:37<07:20, 50.02it/s]
                           | 77968/100000 [20:37<07:09, 51.33it/s]
Training Step:
                78%1
Training Step:
                78%|
                             77974/100000 [20:37<06:55, 52.97it/s]
Training Step:
                78%|
                           77980/100000 [20:37<06:42, 54.77it/s]
Training Step:
                78%|
                           | 77986/100000 [20:37<06:47, 53.96it/s]
                           | 77992/100000 [20:38<06:37, 55.34it/s]
Training Step:
                78%|
Training Step:
                78%|
                           | 77998/100000 [20:38<06:32, 56.03it/s]
                           | 78004/100000 [20:38<06:57, 52.70it/s]
Training Step:
                78%|
                           | 78010/100000 [20:38<06:49, 53.66it/s]
Training Step:
                78%|
                             78016/100000 [20:38<06:48, 53.78it/s]
Training Step:
                78%|
                             78022/100000 [20:38<06:44, 54.40it/s]
Training Step:
                78%|
                             78028/100000 [20:38<06:54, 53.00it/s]
Training Step:
                78%|
                78%|
                           | 78034/100000 [20:38<07:05, 51.66it/s]
Training Step:
Training Step:
                78%|
                             78040/100000 [20:38<06:58, 52.51it/s]
                78%|
                           | 78046/100000 [20:39<07:00, 52.27it/s]
Training Step:
Training Step:
                           | 78052/100000 [20:39<07:03, 51.84it/s]
                78%|
Training Step:
                78%1
                             78058/100000 [20:39<07:18, 49.99it/s]
Training Step:
                78%|
                           | 78064/100000 [20:39<07:52, 46.40it/s]
                           | 78069/100000 [20:39<08:06, 45.05it/s]
Training Step:
                78%|
Training Step:
                78%1
                           | 78074/100000 [20:39<08:00, 45.61it/s]
Training Step:
                             78080/100000 [20:39<07:42, 47.40it/s]
                78%|
Training Step:
                78%|
                           | 78085/100000 [20:39<07:51, 46.49it/s]
                           | 78090/100000 [20:40<07:51, 46.43it/s]
Training Step:
                78%|
                             78096/100000 [20:40<07:37, 47.91it/s]
                78%|
Training Step:
Training Step:
                78%|
                           | 78101/100000 [20:40<07:45, 47.01it/s]
                             78106/100000 [20:40<08:06, 45.00it/s]
Training Step:
                78%|
Training Step:
                78%|
                           | 78111/100000 [20:40<08:01, 45.46it/s]
                78%|
                             78116/100000 [20:40<07:55, 46.01it/s]
Training Step:
Training Step:
                78%|
                           | 78122/100000 [20:40<07:33, 48.23it/s]
Training Step:
                78%|
                           | 78128/100000 [20:40<07:17, 50.03it/s]
Training Step:
                78%|
                           | 78134/100000 [20:40<07:09, 50.96it/s]
                           | 78140/100000 [20:41<07:05, 51.33it/s]
Training Step:
                78%|
                           | 78146/100000 [20:41<06:56, 52.42it/s]
Training Step:
                78%|
Training Step:
                78%|
                           | 78152/100000 [20:41<06:45, 53.87it/s]
Training Step:
                78%|
                           | 78159/100000 [20:41<06:28, 56.25it/s]
Training Step:
                           | 78166/100000 [20:41<06:22, 57.08it/s]
                78%|
Training Step:
                78%|
                           | 78173/100000 [20:41<06:09, 59.01it/s]
                78%|
                           | 78180/100000 [20:41<06:06, 59.58it/s]
Training Step:
                78%|
                           | 78187/100000 [20:41<05:53, 61.67it/s]
Training Step:
Training Step:
                78%|
                           | 78194/100000 [20:41<05:48, 62.59it/s]
                           | 78202/100000 [20:42<05:31, 65.68it/s]
Training Step:
                78%|
Training Step:
                78%|
                             78210/100000 [20:42<05:18, 68.42it/s]
Training Step:
                78%|
                           | 78218/100000 [20:42<05:07, 70.91it/s]
Training Step:
                78%|
                           | 78227/100000 [20:42<04:51, 74.73it/s]
Training Step:
                78%|
                           | 78235/100000 [20:42<04:47, 75.62it/s]
```

Training Step: 78% | 78243/100000 [20:42<04:42, 76.88it/s][INFO] Episode ended! Scenario Index: 1010 Reason: arrive_dest.

Training Step: 78%| | 78251/100000 [20:42<05:37, 64.46it/s] Training Step: 78%| 78258/100000 [20:42<05:33, 65.12it/s] Training Step: 78%| | 78266/100000 [20:42<05:23, 67.26it/s] Training Step: 78%| | 78273/100000 [20:43<05:22, 67.43it/s] Training Step: 78%| | 78280/100000 [20:43<05:41, 63.57it/s] Training Step: 78%| | 78287/100000 [20:43<05:45, 62.76it/s] | 78294/100000 [20:43<05:51, 61.72it/s] Training Step: 78%| | 78301/100000 [20:43<05:53, 61.34it/s] Training Step: 78%| 78308/100000 [20:43<06:01, 60.08it/s] 78%| Training Step: | 78315/100000 [20:43<05:59, 60.25it/s] Training Step: 78%| Training Step: | 78322/100000 [20:43<06:07, 58.92it/s] 78%| | 78328/100000 [20:44<06:09, 58.58it/s] Training Step: 78%| Training Step: 78%| 78334/100000 [20:44<06:14, 57.87it/s] 78%| | 78340/100000 [20:44<06:13, 57.92it/s] Training Step: Training Step: | 78346/100000 [20:44<06:14, 57.86it/s] 78%| Training Step: 78%1 78352/100000 [20:44<06:18, 57.17it/s] Training Step: 78%| | 78358/100000 [20:44<06:15, 57.64it/s] | 78364/100000 [20:44<06:13, 57.91it/s] Training Step: 78%| Training Step: 78%1 | 78370/100000 [20:44<06:10, 58.38it/s] Training Step: 78%| | 78376/100000 [20:44<06:08, 58.75it/s] Training Step: 78%| | 78382/100000 [20:44<06:17, 57.27it/s] Training Step: 78%| | 78388/100000 [20:45<06:17, 57.19it/s] 78%| | 78394/100000 [20:45<06:16, 57.34it/s] Training Step: Training Step: 78%| | 78400/100000 [20:45<06:22, 56.47it/s] 78406/100000 [20:45<06:18, 56.99it/s] Training Step: 78%| Training Step: 78%| | 78412/100000 [20:45<06:26, 55.92it/s] 78%| 78418/100000 [20:45<06:32, 55.04it/s] Training Step: Training Step: 78%| | 78424/100000 [20:45<07:01, 51.24it/s] Training Step: 78%| | 78430/100000 [20:45<07:01, 51.12it/s] Training Step: 78%| | 78436/100000 [20:45<06:50, 52.51it/s] Training Step: 78%| | 78442/100000 [20:46<06:44, 53.25it/s] Training Step: 78%| | 78448/100000 [20:46<06:33, 54.81it/s] Training Step: 78%| | 78454/100000 [20:46<06:36, 54.28it/s] Training Step: 78%1 78460/100000 [20:46<06:59, 51.29it/s] Training Step: 78%| | 78466/100000 [20:46<07:18, 49.15it/s] Training Step: 78%| | 78471/100000 [20:46<07:30, 47.76it/s] 78%| | 78476/100000 [20:46<07:49, 45.81it/s] Training Step: | 78481/100000 [20:46<07:47, 46.06it/s] Training Step: 78%| Training Step: 78%| | 78486/100000 [20:47<07:52, 45.53it/s] Training Step: 78%| 78491/100000 [20:47<07:49, 45.80it/s] Training Step: 78%| 78496/100000 [20:47<07:57, 45.02it/s] Training Step: 79% | 78501/100000 [20:47<07:59, 44.84it/s] Training Step: 79% | 78506/100000 [20:47<08:08, 43.97it/s] Training Step: 79% | 78511/100000 [20:47<08:02, 44.52it/s]

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Training Step:
                           | 78516/100000 [20:47<07:58, 44.91it/s]
                79%
Training Step:
                79%|
                           | 78522/100000 [20:47<07:42, 46.39it/s]
Training Step:
                79%
                           | 78527/100000 [20:47<07:47, 45.93it/s]
Training Step:
                79%|
                           | 78532/100000 [20:48<08:02, 44.49it/s]
Training Step:
                79%1
                           | 78537/100000 [20:48<08:06, 44.07it/s]
Training Step:
                79%|
                             78542/100000 [20:48<08:22, 42.68it/s]
Training Step:
                79%|
                           | 78547/100000 [20:48<08:07, 44.03it/s]
Training Step:
                79%|
                           | 78552/100000 [20:48<08:11, 43.67it/s]
Training Step:
                79%|
                           | 78557/100000 [20:48<07:57, 44.92it/s]
Training Step:
                79%|
                           | 78562/100000 [20:48<08:10, 43.69it/s]
                           | 78567/100000 [20:48<08:00, 44.61it/s]
Training Step:
                79%|
                           | 78572/100000 [20:48<08:01, 44.51it/s]
Training Step:
                79%
Training Step:
                79%|
                             78577/100000 [20:49<08:02, 44.43it/s]
Training Step:
                79%
                             78582/100000 [20:49<08:10, 43.68it/s]
Training Step:
                79%
                             78587/100000 [20:49<08:03, 44.31it/s]
                           | 78592/100000 [20:49<08:24, 42.40it/s]
Training Step:
                79%
Training Step:
                79%|
                             78597/100000 [20:49<08:27, 42.16it/s]
Training Step:
                79%
                           | 78602/100000 [20:49<08:46, 40.68it/s]
Training Step:
                           | 78607/100000 [20:49<08:47, 40.57it/s]
                79%|
Training Step:
                79%1
                             78612/100000 [20:49<08:36, 41.40it/s]
Training Step:
                79%|
                           | 78617/100000 [20:50<08:25, 42.32it/s]
Training Step:
                79%|
                             78622/100000 [20:50<08:18, 42.88it/s]
Training Step:
                79%1
                           | 78627/100000 [20:50<07:58, 44.68it/s]
Training Step:
                79%|
                           | 78632/100000 [20:50<07:55, 44.96it/s]
Training Step:
                79%|
                           | 78637/100000 [20:50<07:40, 46.36it/s]
Training Step:
                79%|
                           | 78642/100000 [20:50<07:39, 46.47it/s]
                79%
                           | 78648/100000 [20:50<07:24, 48.00it/s]
Training Step:
Training Step:
                79%|
                             78654/100000 [20:50<07:20, 48.51it/s]
                             78660/100000 [20:50<07:16, 48.89it/s]
Training Step:
                79%
Training Step:
                79%
                           | 78666/100000 [20:51<07:10, 49.54it/s]
                79%
                             78671/100000 [20:51<07:11, 49.40it/s]
Training Step:
Training Step:
                79%|
                           | 78676/100000 [20:51<07:19, 48.49it/s]
Training Step:
                79%
                           | 78682/100000 [20:51<07:16, 48.84it/s]
Training Step:
                79%|
                           | 78688/100000 [20:51<07:12, 49.33it/s]
                           | 78694/100000 [20:51<07:05, 50.03it/s]
Training Step:
                79%|
                           | 78700/100000 [20:51<06:53, 51.45it/s]
Training Step:
                79%|
Training Step:
                79%|
                           | 78706/100000 [20:51<06:52, 51.60it/s]
Training Step:
                79%|
                           | 78712/100000 [20:51<06:49, 52.04it/s]
Training Step:
                           | 78718/100000 [20:52<06:41, 53.06it/s]
                79%|
Training Step:
                79%|
                           | 78724/100000 [20:52<06:36, 53.64it/s]
                79%|
                           | 78731/100000 [20:52<06:18, 56.16it/s]
Training Step:
Training Step:
                79%
                           | 78738/100000 [20:52<06:05, 58.22it/s]
Training Step:
                79%|
                             78746/100000 [20:52<05:46, 61.42it/s]
Training Step:
                79%
                           | 78753/100000 [20:52<05:37,
63.00it/s][INFO] Episode ended! Scenario Index: 1007 Reason:
arrive_dest.
```

Training Step: 79% | 78760/100000 [20:52<06:29, 54.58it/s]

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Training Step:
                           | 78768/100000 [20:52<06:03, 58.47it/s]
                79%
Training Step:
                79%|
                           | 78775/100000 [20:52<05:49, 60.65it/s]
Training Step:
                79%
                             78782/100000 [20:53<05:49, 60.71it/s]
Training Step:
                79%|
                           | 78789/100000 [20:53<05:45, 61.35it/s]
Training Step:
                79%1
                           78796/100000 [20:53<05:52, 60.08it/s]
Training Step:
                79%|
                             78803/100000 [20:53<05:54, 59.85it/s]
Training Step:
                79%|
                           | 78810/100000 [20:53<05:58, 59.09it/s]
Training Step:
                79%|
                           | 78816/100000 [20:53<05:57, 59.33it/s]
Training Step:
                79%|
                           | 78823/100000 [20:53<05:54, 59.80it/s]
Training Step:
                79%|
                           | 78829/100000 [20:53<06:02, 58.37it/s]
                           | 78835/100000 [20:53<06:03, 58.17it/s]
Training Step:
                79%|
                           | 78841/100000 [20:54<06:03, 58.20it/s]
Training Step:
                79%
                             78848/100000 [20:54<06:05, 57.94it/s]
Training Step:
                79%|
                             78854/100000 [20:54<06:08, 57.44it/s]
Training Step:
                79%
                             78860/100000 [20:54<06:10, 57.03it/s]
Training Step:
                79%
                           | 78866/100000 [20:54<06:24, 54.93it/s]
Training Step:
                79%
Training Step:
                79%|
                             78872/100000 [20:54<06:26, 54.67it/s]
                79%
                           | 78878/100000 [20:54<06:28, 54.34it/s]
Training Step:
Training Step:
                           | 78884/100000 [20:54<06:35, 53.38it/s]
                79%|
Training Step:
                79%1
                             78890/100000 [20:55<06:47, 51.81it/s]
Training Step:
                79%|
                           | 78896/100000 [20:55<06:39, 52.88it/s]
                           | 78902/100000 [20:55<06:32, 53.71it/s]
Training Step:
                79%|
Training Step:
                79%1
                           | 78909/100000 [20:55<06:16, 56.05it/s]
Training Step:
                             78915/100000 [20:55<06:11, 56.75it/s]
                79%|
Training Step:
                79%|
                           | 78922/100000 [20:55<06:09, 57.11it/s]
Training Step:
                79%|
                           | 78928/100000 [20:55<06:19, 55.46it/s]
                           | 78934/100000 [20:55<06:24, 54.78it/s]
                79%
Training Step:
Training Step:
                79%|
                           | 78940/100000 [20:55<06:30, 53.99it/s]
                             78946/100000 [20:56<06:48, 51.55it/s]
Training Step:
                79%
Training Step:
                79%
                           | 78952/100000 [20:56<06:51, 51.13it/s]
                79%
                             78958/100000 [20:56<06:57, 50.41it/s]
Training Step:
Training Step:
                79%|
                           | 78964/100000 [20:56<06:52, 51.05it/s]
Training Step:
                79%
                           | 78970/100000 [20:56<06:50, 51.27it/s]
Training Step:
                79%|
                           | 78976/100000 [20:56<06:49, 51.40it/s]
                           | 78982/100000 [20:56<07:02, 49.71it/s]
Training Step:
                79%|
Training Step:
                79%|
                           | 78988/100000 [20:56<07:04, 49.55it/s]
Training Step:
                79%|
                           | 78994/100000 [20:57<07:09, 48.91it/s]
Training Step:
                79%|
                             78999/100000 [20:57<07:17, 47.95it/s]
Training Step:
                           | 79004/100000 [20:57<07:40, 45.60it/s]
                79%|
Training Step:
                79%|
                           | 79009/100000 [20:57<08:07, 43.03it/s]
                79%|
                           | 79014/100000 [20:57<08:16, 42.25it/s]
Training Step:
                79%
                             79019/100000 [20:57<08:18, 42.12it/s]
Training Step:
Training Step:
                79%|
                           | 79024/100000 [20:57<08:24, 41.56it/s]
Training Step:
                79%
                             79029/100000 [20:57<08:25, 41.47it/s]
Training Step:
                79%|
                             79034/100000 [20:57<08:28, 41.27it/s]
Training Step:
                79%
                           | 79039/100000 [20:58<08:30, 41.02it/s]
Training Step:
                79%
                           | 79044/100000 [20:58<08:30, 41.08it/s]
Training Step:
                79%
                           | 79049/100000 [20:58<08:30, 41.01it/s]
```

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Training Step:
                           | 79054/100000 [20:58<08:32, 40.90it/s]
                79%|
Training Step:
                79%|
                           | 79059/100000 [20:58<08:28, 41.17it/s]
Training Step:
                79%
                           | 79064/100000 [20:58<08:26, 41.35it/s]
Training Step:
                79%|
                           | 79069/100000 [20:58<08:18, 41.96it/s]
Training Step:
                79%1
                           79074/100000 [20:58<08:19, 41.89it/s]
Training Step:
                79%|
                           | 79079/100000 [20:59<08:14, 42.29it/s]
Training Step:
                79%|
                           79084/100000 [20:59<08:15, 42.21it/s]
Training Step:
                79%|
                           | 79089/100000 [20:59<08:03, 43.24it/s]
                           | 79094/100000 [20:59<08:07, 42.87it/s]
Training Step:
                79%|
Training Step:
                79%|
                           | 79099/100000 [20:59<07:56, 43.84it/s]
                           | 79104/100000 [20:59<08:01, 43.39it/s]
Training Step:
                79%|
                           | 79109/100000 [20:59<08:01, 43.39it/s]
Training Step:
                79%
                           | 79114/100000 [20:59<07:56, 43.87it/s]
Training Step:
                79%|
                           | 79119/100000 [20:59<07:47, 44.69it/s]
Training Step:
                79%
                           | 79124/100000 [21:00<07:49, 44.44it/s]
Training Step:
                79%|
                           | 79130/100000 [21:00<07:37, 45.59it/s]
Training Step:
                79%|
Training Step:
                79%|
                           | 79135/100000 [21:00<07:35, 45.79it/s]
Training Step:
                79%
                           | 79140/100000 [21:00<07:36, 45.69it/s]
Training Step:
                           | 79145/100000 [21:00<07:31, 46.18it/s]
                79%|
Training Step:
                79%1
                           | 79150/100000 [21:00<07:32, 46.08it/s]
Training Step:
                79%|
                           79155/100000 [21:00<07:23, 47.04it/s]
                           | 79161/100000 [21:00<07:04, 49.06it/s]
Training Step:
                79%|
Training Step:
                79%1
                           | 79166/100000 [21:00<07:02, 49.30it/s]
Training Step:
                           | 79172/100000 [21:01<07:03, 49.23it/s]
                79%|
Training Step:
                79%|
                           | 79178/100000 [21:01<07:04, 49.08it/s]
Training Step:
                79%|
                           | 79184/100000 [21:01<06:54, 50.28it/s]
                79%|
Training Step:
                           79190/100000 [21:01<06:48,
50.98it/s][INFO] Episode ended! Scenario Index: 1006 Reason: crash
vehicle
Training Step:
                79%|
                           | 79196/100000 [21:01<08:08, 42.62it/s]
Training Step:
                79%|
                           | 79203/100000 [21:01<07:08, 48.56it/s]
Training Step:
                79%|
                           | 79210/100000 [21:01<06:29, 53.41it/s]
Training Step:
                79%|
                           | 79218/100000 [21:01<05:57, 58.11it/s]
                           | 79225/100000 [21:02<06:01, 57.39it/s]
Training Step:
                79%|
                           | 79232/100000 [21:02<05:54, 58.55it/s]
Training Step:
                79%|
Training Step:
                79%|
                           79239/100000 [21:02<05:40, 60.94it/s]
Training Step:
                79%|
                           | 79246/100000 [21:02<05:39, 61.08it/s]
Training Step:
                           | 79253/100000 [21:02<05:33, 62.15it/s]
                79%|
Training Step:
                79%|
                           | 79260/100000 [21:02<05:33, 62.28it/s]
Training Step:
                79%|
                           | 79267/100000 [21:02<05:44, 60.18it/s]
Training Step:
                79%|
                           79274/100000 [21:02<05:55, 58.27it/s]
Training Step:
                79%|
                           | 79280/100000 [21:02<05:59,
57.66it/s][INFO] Episode ended! Scenario Index: 1002 Reason: crash
vehicle
Training Step:
                79%|
                           | 79286/100000 [21:03<06:47, 50.83it/s]
```

| 79294/100000 [21:03<06:07, 56.34it/s]

Training Step:

79%|

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Training Step:
                           | 79302/100000 [21:03<05:45, 59.82it/s]
                79%
Training Step:
                79%|
                           | 79309/100000 [21:03<05:40, 60.74it/s]
Training Step:
                79%
                             79316/100000 [21:03<05:46, 59.71it/s]
Training Step:
                79%|
                           | 79323/100000 [21:03<05:45, 59.85it/s]
Training Step:
                79%1
                           79330/100000 [21:03<05:50, 59.02it/s]
Training Step:
                79%|
                             79336/100000 [21:03<05:53, 58.47it/s]
Training Step:
                79%|
                           79342/100000 [21:04<06:00, 57.33it/s]
Training Step:
                79%|
                           | 79348/100000 [21:04<06:30, 52.85it/s]
Training Step:
                79%|
                           79354/100000 [21:04<07:12, 47.72it/s]
Training Step:
                79%|
                           | 79360/100000 [21:04<07:08, 48.13it/s]
                           | 79366/100000 [21:04<07:06, 48.44it/s]
Training Step:
                79%|
                           | 79371/100000 [21:04<07:08, 48.10it/s]
Training Step:
                79%
Training Step:
                79%|
                             79376/100000 [21:04<07:22, 46.64it/s]
                           | 79381/100000 [21:04<07:26, 46.18it/s]
Training Step:
                79%
Training Step:
                79%
                           | 79386/100000 [21:05<07:36, 45.12it/s]
                           | 79391/100000 [21:05<07:32, 45.57it/s]
Training Step:
                79%
Training Step:
                79%|
                             79396/100000 [21:05<07:40, 44.70it/s]
                79%
                           | 79401/100000 [21:05<07:27, 46.02it/s]
Training Step:
Training Step:
                           | 79406/100000 [21:05<07:30, 45.72it/s]
                79%|
Training Step:
                79%1
                             79412/100000 [21:05<07:10, 47.84it/s]
                           | 79418/100000 [21:05<07:03, 48.65it/s]
Training Step:
                79%|
                           | 79424/100000 [21:05<06:48, 50.37it/s]
Training Step:
                79%|
Training Step:
                79%|
                           | 79430/100000 [21:05<06:35, 52.02it/s]
Training Step:
                79%|
                           | 79436/100000 [21:06<06:52, 49.81it/s]
Training Step:
                79%|
                           | 79442/100000 [21:06<07:03, 48.51it/s]
                           | 79447/100000 [21:06<07:04, 48.39it/s]
Training Step:
                79%|
                79%
                           | 79453/100000 [21:06<06:51, 49.91it/s]
Training Step:
Training Step:
                79%|
                           | 79459/100000 [21:06<06:52, 49.81it/s]
                           | 79464/100000 [21:06<06:56, 49.33it/s]
Training Step:
                79%
Training Step:
                79%
                           | 79469/100000 [21:06<06:56, 49.24it/s]
                79%
                             79474/100000 [21:06<06:59, 48.91it/s]
Training Step:
Training Step:
                79%|
                           | 79480/100000 [21:06<06:54, 49.53it/s]
Training Step:
                79%
                           | 79486/100000 [21:07<06:54, 49.55it/s]
Training Step:
                79%|
                           | 79491/100000 [21:07<07:03, 48.39it/s]
                           | 79496/100000 [21:07<07:05, 48.22it/s]
Training Step:
                79%|
Training Step:
                80%|
                           79502/100000 [21:07<06:52, 49.71it/s]
Training Step:
                80%|
                           79508/100000 [21:07<06:38, 51.43it/s]
Training Step:
                80%|
                           | 79514/100000 [21:07<06:53, 49.53it/s]
Training Step:
                           | 79519/100000 [21:07<07:39, 44.61it/s]
                80%|
Training Step:
                80%|
                           | 79524/100000 [21:07<07:40, 44.51it/s]
                80%|
                           | 79530/100000 [21:08<07:22, 46.30it/s]
Training Step:
                80%1
                           | 79535/100000 [21:08<07:16, 46.90it/s]
Training Step:
Training Step:
                80%1
                           | 79540/100000 [21:08<07:17, 46.73it/s]
                           | 79547/100000 [21:08<06:40, 51.05it/s]
Training Step:
                80%1
Training Step:
                80%1
                             79553/100000 [21:08<06:30, 52.40it/s]
Training Step:
                80%1
                           | 79559/100000 [21:08<06:24, 53.18it/s]
Training Step:
                80%1
                           | 79565/100000 [21:08<06:19, 53.88it/s]
Training Step:
                80%1
                           | 79571/100000 [21:08<06:08, 55.44it/s]
```

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Training Step:
                80%1
                           | 79577/100000 [21:08<05:59, 56.74it/s]
Training Step:
                80%|
                           | 79583/100000 [21:08<06:00, 56.70it/s]
Training Step:
                80%1
                           | 79589/100000 [21:09<06:03, 56.19it/s]
Training Step:
                80%|
                           | 79595/100000 [21:09<05:59, 56.80it/s]
Training Step:
                80%1
                           79602/100000 [21:09<05:54, 57.61it/s]
Training Step:
                             79608/100000 [21:09<06:03, 56.12it/s]
                80%|
Training Step:
                80%|
                           79614/100000 [21:09<06:07, 55.45it/s]
Training Step:
                80%|
                           | 79620/100000 [21:09<06:10, 54.95it/s]
                           | 79626/100000 [21:09<06:11, 54.83it/s]
Training Step:
                80%|
Training Step:
                80%|
                           | 79632/100000 [21:09<06:15, 54.30it/s]
                           | 79638/100000 [21:09<06:31, 51.99it/s]
Training Step:
                80%1
                           | 79644/100000 [21:10<06:38, 51.11it/s]
Training Step:
                80%1
                           | 79650/100000 [21:10<06:35, 51.40it/s]
Training Step:
                80%1
                           | 79656/100000 [21:10<06:36, 51.32it/s]
Training Step:
                80%1
                           | 79662/100000 [21:10<06:41, 50.61it/s]
Training Step:
                80%1
                           | 79668/100000 [21:10<06:36, 51.32it/s]
Training Step:
                80%1
Training Step:
                80%1
                           | 79674/100000 [21:10<06:47, 49.90it/s]
Training Step:
                80%1
                           | 79680/100000 [21:10<06:49, 49.56it/s]
Training Step:
                           | 79686/100000 [21:10<06:36, 51.22it/s]
                80%|
Training Step:
                80%1
                           | 79692/100000 [21:11<06:24, 52.77it/s]
Training Step:
                80%|
                           79698/100000 [21:11<06:19, 53.53it/s]
                           | 79704/100000 [21:11<06:13, 54.27it/s]
Training Step:
                80%|
Training Step:
                80%|
                           | 79710/100000 [21:11<06:17, 53.77it/s]
Training Step:
                           | 79716/100000 [21:11<06:23, 52.86it/s]
                80%|
Training Step:
                80%|
                           | 79722/100000 [21:11<06:29, 52.10it/s]
                           | 79728/100000 [21:11<06:43, 50.22it/s]
Training Step:
                80%1
Training Step:
                80%1
                           | 79734/100000 [21:11<06:46, 49.82it/s]
Training Step:
                80%1
                           | 79739/100000 [21:11<06:52, 49.10it/s]
                           | 79744/100000 [21:12<06:50, 49.34it/s]
Training Step:
                80%1
Training Step:
                80%1
                           | 79750/100000 [21:12<06:40, 50.62it/s]
                80%1
                           | 79756/100000 [21:12<06:37, 50.96it/s]
Training Step:
Training Step:
                80%1
                           | 79762/100000 [21:12<06:24, 52.58it/s]
Training Step:
                80%1
                           | 79768/100000 [21:12<06:14, 54.05it/s]
Training Step:
                80%|
                           | 79774/100000 [21:12<06:03, 55.57it/s]
Training Step:
                           79781/100000 [21:12<05:49, 57.81it/s]
                80%|
                           | 79788/100000 [21:12<05:42, 59.09it/s]
Training Step:
                80%|
Training Step:
                80%|
                           79794/100000 [21:12<05:45, 58.55it/s]
Training Step:
                80%1
                           | 79800/100000 [21:13<05:45, 58.46it/s]
Training Step:
                           | 79807/100000 [21:13<05:34, 60.39it/s]
                80%|
Training Step:
                80%|
                           79814/100000 [21:13<05:39,
59.44it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
arrive_dest.
                           | 79820/100000 [21:13<06:37, 50.72it/s]
Training Step:
                80%1
                             79827/100000 [21:13<06:05, 55.17it/s]
Training Step:
                80%1
Training Step:
                80%1
                           | 79834/100000 [21:13<05:56, 56.54it/s]
Training Step:
                80%|
                           | 79840/100000 [21:13<06:01, 55.83it/s]
Training Step:
                80%1
                           | 79846/100000 [21:13<06:25, 52.26it/s]
```

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Training Step:
                80%1
                           | 79852/100000 [21:14<06:30, 51.58it/s]
Training Step:
                80%1
                           | 79858/100000 [21:14<06:35, 50.92it/s]
Training Step:
                80%1
                             79864/100000 [21:14<06:37, 50.65it/s]
Training Step:
                80%|
                           | 79870/100000 [21:14<06:40, 50.20it/s]
Training Step:
                80%1
                           79876/100000 [21:14<06:44, 49.77it/s]
Training Step:
                             79881/100000 [21:14<06:43, 49.83it/s]
                80%|
Training Step:
                80%|
                           79886/100000 [21:14<07:17, 46.01it/s]
Training Step:
                80%|
                           | 79892/100000 [21:14<07:09, 46.86it/s]
                           | 79898/100000 [21:14<06:56, 48.27it/s]
Training Step:
                80%|
Training Step:
                80%|
                           | 79904/100000 [21:15<06:47, 49.29it/s]
                           | 79910/100000 [21:15<06:32, 51.18it/s]
Training Step:
                80%1
                           | 79916/100000 [21:15<06:18, 53.00it/s]
Training Step:
                80%1
                             79922/100000 [21:15<06:18, 53.10it/s]
Training Step:
                80%1
                           | 79928/100000 [21:15<06:15, 53.38it/s]
Training Step:
                80%1
                           | 79934/100000 [21:15<06:12, 53.90it/s]
Training Step:
                80%1
                           | 79940/100000 [21:15<06:15, 53.37it/s]
Training Step:
                80%1
Training Step:
                80%1
                           | 79946/100000 [21:15<06:14, 53.56it/s]
                80%1
                           | 79952/100000 [21:15<06:15, 53.42it/s]
Training Step:
Training Step:
                           | 79958/100000 [21:16<06:15, 53.32it/s]
                80%|
Training Step:
                80%1
                           79964/100000 [21:16<06:34, 50.73it/s]
                           | 79970/100000 [21:16<06:33, 50.95it/s]
Training Step:
                80%|
                           | 79976/100000 [21:16<06:39, 50.15it/s]
Training Step:
                80%|
Training Step:
                80%|
                           | 79982/100000 [21:16<06:39, 50.11it/s]
Training Step:
                           | 79988/100000 [21:16<06:37, 50.33it/s]
                80%|
Training Step:
                80%|
                           | 79994/100000 [21:16<06:39, 50.13it/s]
                           | 80000/100000 [21:16<06:50, 48.75it/s]
Training Step:
                80%1
                80%1
                             80006/100000 [21:17<06:35, 50.61it/s]
Training Step:
Training Step:
                80%1
                             80012/100000 [21:17<06:27, 51.60it/s]
                             80018/100000 [21:17<06:27, 51.57it/s]
Training Step:
                80%1
Training Step:
                80%1
                             80024/100000 [21:17<06:20, 52.56it/s]
                             80030/100000 [21:17<06:12, 53.65it/s]
Training Step:
                80%1
Training Step:
                80%1
                           | 80036/100000 [21:17<06:12, 53.65it/s]
Training Step:
                80%1
                           | 80042/100000 [21:17<06:09, 54.03it/s]
Training Step:
                80%|
                           | 80048/100000 [21:17<06:09, 54.03it/s]
                             80054/100000 [21:17<06:15, 53.18it/s]
Training Step:
                80%|
                             80060/100000 [21:18<06:07, 54.27it/s]
Training Step:
                80%|
Training Step:
                80%|
                             80066/100000 [21:18<06:09, 53.96it/s]
Training Step:
                80%|
                             80072/100000 [21:18<06:11, 53.68it/s]
Training Step:
                           | 80078/100000 [21:18<06:21, 52.26it/s]
                80%|
Training Step:
                80%|
                           | 80084/100000 [21:18<06:26, 51.56it/s]
Training Step:
                80%1
                           | 80090/100000 [21:18<06:30, 51.05it/s]
Training Step:
                             80096/100000 [21:18<06:25, 51.61it/s]
                80%1
Training Step:
                80%1
                           | 80102/100000 [21:18<06:12, 53.39it/s]
Training Step:
                80%1
                             80108/100000 [21:18<06:10, 53.74it/s]
Training Step:
                80%1
                             80114/100000 [21:19<06:06, 54.21it/s]
Training Step:
                80%1
                           | 80120/100000 [21:19<06:10, 53.72it/s]
Training Step:
                80%1
                           | 80126/100000 [21:19<06:20, 52.27it/s]
Training Step:
                80%1
                           | 80132/100000 [21:19<06:25, 51.57it/s]
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Training Step:
                80%1
                           | 80138/100000 [21:19<06:20, 52.22it/s]
Training Step:
                80%|
                           | 80144/100000 [21:19<06:17, 52.61it/s]
Training Step:
                80%1
                           | 80150/100000 [21:19<06:06, 54.16it/s]
Training Step:
                80%|
                           | 80156/100000 [21:19<06:00, 54.97it/s]
                           | 80162/100000 [21:19<06:07, 53.95it/s]
Training Step:
                80%1
Training Step:
                           | 80168/100000 [21:20<06:09, 53.69it/s]
                80%|
Training Step:
                80%|
                           | 80174/100000 [21:20<06:24, 51.58it/s]
Training Step:
                80%|
                           | 80180/100000 [21:20<06:24, 51.60it/s]
Training Step:
                80%|
                           | 80186/100000 [21:20<06:24, 51.51it/s]
Training Step:
                80%|
                           | 80192/100000 [21:20<06:27, 51.13it/s]
                           | 80198/100000 [21:20<06:31, 50.61it/s]
Training Step:
                80%1
                           | 80204/100000 [21:20<06:22, 51.77it/s]
Training Step:
                80%1
                           | 80210/100000 [21:20<06:07, 53.84it/s]
Training Step:
                80%1
                           | 80216/100000 [21:21<06:05, 54.14it/s]
Training Step:
                80%1
                           | 80222/100000 [21:21<05:57, 55.31it/s]
Training Step:
                80%1
                           | 80228/100000 [21:21<06:04, 54.19it/s]
Training Step:
                80%1
Training Step:
                80%1
                           | 80234/100000 [21:21<06:21, 51.76it/s]
                80%1
                           | 80240/100000 [21:21<06:15, 52.57it/s]
Training Step:
Training Step:
                           | 80246/100000 [21:21<06:03, 54.30it/s]
                80%|
Training Step:
                80%1
                           | 80252/100000 [21:21<05:59, 54.97it/s]
Training Step:
                80%|
                           | 80259/100000 [21:21<05:43,
57.43it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
arrive_dest.
```

Training Step: 80%| | 80265/100000 [21:21<06:24, 51.30it/s] | 80271/100000 [21:22<06:25, 51.14it/s] Training Step: 80%1 80%1 | 80279/100000 [21:22<05:43, 57.37it/s] Training Step: Training Step: 80%1 | 80286/100000 [21:22<05:29, 59.80it/s] 80294/100000 [21:22<05:13, 62.92it/s] Training Step: 80%1 Training Step: 80%1 | 80302/100000 [21:22<05:01, 65.38it/s] | 80309/100000 [21:22<05:14, 62.60it/s] Training Step: 80%1 Training Step: 80%1 | 80316/100000 [21:22<05:30, 59.62it/s] Training Step: 80%1 | 80323/100000 [21:22<05:37, 58.36it/s] Training Step: 80%| | 80329/100000 [21:22<05:43, 57.20it/s] | 80335/100000 [21:23<06:07, 53.54it/s] Training Step: 80%| | 80341/100000 [21:23<06:03, 54.10it/s] Training Step: 80%| Training Step: 80%| | 80347/100000 [21:23<06:08, 53.39it/s] Training Step: 80%| | 80353/100000 [21:23<06:13, 52.63it/s] Training Step: | 80359/100000 [21:23<06:09, 53.18it/s] 80%| Training Step: 80%| | 80365/100000 [21:23<06:10, 53.01it/s] 80%1 | 80371/100000 [21:23<06:03, 54.03it/s] Training Step: Training Step: | 80377/100000 [21:23<06:04, 53.89it/s] 80%1 Training Step: | 80383/100000 [21:24<06:24, 51.06it/s] 80%1 Training Step: 80%1 | 80389/100000 [21:24<06:21, 51.39it/s] Training Step: 80%1 80395/100000 [21:24<06:27, 50.58it/s] Training Step: 80%1 | 80401/100000 [21:24<06:49, 47.88it/s] Training Step: 80%| | 80406/100000 [21:24<07:10, 45.52it/s] Training Step: 80%1 | 80411/100000 [21:24<07:05, 46.07it/s]

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Training Step:
                80%|
                           | 80435/100000 [21:25<06:23, 51.00it/s]
Training Step:
                80%1
                           | 80441/100000 [21:25<06:14, 52.23it/s]
Training Step:
                           | 80447/100000 [21:25<07:16, 44.82it/s]
                80%|
Training Step:
                80%|
                           | 80453/100000 [21:25<06:56, 46.88it/s]
Training Step:
                80%|
                           | 80459/100000 [21:25<06:32, 49.83it/s]
Training Step:
                80%|
                           | 80465/100000 [21:25<06:23, 50.91it/s]
Training Step:
                80%|
                           | 80471/100000 [21:25<06:08, 52.97it/s]
                           | 80478/100000 [21:25<05:55, 54.91it/s]
Training Step:
                80%|
                           | 80485/100000 [21:26<05:43, 56.84it/s]
Training Step:
                80%1
                           | 80492/100000 [21:26<05:36, 58.04it/s]
Training Step:
                80%1
                           | 80499/100000 [21:26<05:26, 59.80it/s]
Training Step:
                80%1
Training Step:
                81%|
                           | 80506/100000 [21:26<05:32, 58.63it/s]
                           | 80512/100000 [21:26<05:33, 58.47it/s]
Training Step:
                81%|
Training Step:
                81%|
                           | 80518/100000 [21:26<05:41, 57.00it/s]
                81%|
                           | 80524/100000 [21:26<06:30, 49.91it/s]
Training Step:
Training Step:
                           | 80530/100000 [21:26<06:39, 48.76it/s]
                81%|
Training Step:
                81%|
                           | 80536/100000 [21:27<06:45, 47.96it/s]
Training Step:
                81%|
                           | 80541/100000 [21:27<07:06, 45.61it/s]
Training Step:
                81%|
                           | 80546/100000 [21:27<07:32, 42.98it/s]
Training Step:
                81%|
                           | 80551/100000 [21:27<07:22, 43.94it/s]
Training Step:
                           | 80556/100000 [21:27<07:17, 44.41it/s]
                81%|
Training Step:
                81%|
                           | 80561/100000 [21:27<07:27, 43.47it/s]
Training Step:
                81%|
                           | 80566/100000 [21:27<07:55, 40.88it/s]
                           | 80571/100000 [21:27<08:10, 39.57it/s]
Training Step:
                81%|
Training Step:
                81%|
                           | 80575/100000 [21:28<08:30, 38.06it/s]
                             80579/100000 [21:28<08:54, 36.33it/s]
Training Step:
                81%|
Training Step:
                81%|
                           | 80583/100000 [21:28<09:02, 35.81it/s]
                           | 80587/100000 [21:28<09:36, 33.65it/s]
Training Step:
                81%|
Training Step:
                81%|
                           | 80591/100000 [21:28<09:23, 34.47it/s]
Training Step:
                81%|
                           | 80596/100000 [21:28<08:52, 36.43it/s]
Training Step:
                81%|
                           | 80601/100000 [21:28<08:11, 39.45it/s]
                             80606/100000 [21:28<07:50, 41.18it/s]
Training Step:
                81%|
Training Step:
                81%|
                             80611/100000 [21:28<07:36, 42.43it/s]
Training Step:
                81%|
                             80616/100000 [21:29<07:41, 41.97it/s]
Training Step:
                81%|
                           80622/100000 [21:29<07:17,
44.33it/s][INFO] Episode ended! Scenario Index: 1001 Reason:
arrive_dest.
                           | 80628/100000 [21:29<08:04, 39.97it/s]
Training Step:
                81%|
Training Step:
                81%|
                           | 80634/100000 [21:29<07:14, 44.55it/s]
                           | 80640/100000 [21:29<06:47, 47.54it/s]
Training Step:
                81%|
                           | 80647/100000 [21:29<06:10, 52.24it/s]
Training Step:
                81%|
Training Step:
                81%|
                           | 80654/100000 [21:29<05:44, 56.10it/s]
Training Step:
                81%|
                           | 80662/100000 [21:29<05:23, 59.70it/s]
Training Step:
                81%|
                           | 80669/100000 [21:30<05:16, 61.01it/s]
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| 80417/100000 [21:24<06:44, 48.37it/s]

| 80423/100000 [21:24<06:36, 49.32it/s]

| 80429/100000 [21:24<06:23, 51.09it/s]

Training Step:

Training Step:

Training Step:

80%1

80%|

80%1

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Training Step:
                           | 80676/100000 [21:30<05:20, 60.33it/s]
                81%|
Training Step:
                81%|
                           | 80683/100000 [21:30<05:14, 61.45it/s]
Training Step:
                81%|
                           | 80690/100000 [21:30<05:08, 62.60it/s]
Training Step:
                81%|
                           | 80698/100000 [21:30<04:58, 64.56it/s]
Training Step:
                81%|
                           | 80706/100000 [21:30<04:42, 68.25it/s]
Training Step:
                           | 80714/100000 [21:30<04:34, 70.37it/s]
                81%|
Training Step:
                81%|
                           | 80722/100000 [21:30<04:37, 69.36it/s]
                           | 80729/100000 [21:30<05:20, 60.20it/s]
Training Step:
                81%|
                           | 80736/100000 [21:31<05:26, 58.94it/s]
Training Step:
                81%|
Training Step:
                81%|
                           | 80743/100000 [21:31<05:23, 59.48it/s]
                           | 80750/100000 [21:31<05:22, 59.73it/s]
Training Step:
                81%|
                           | 80757/100000 [21:31<05:20, 60.06it/s]
Training Step:
                81%|
Training Step:
                81%|
                           | 80764/100000 [21:31<05:27,
58.65it/s][INFO] Episode ended! Scenario Index: 1019 Reason: crash
vehicle
Training Step:
                81%|
                           | 80770/100000 [21:31<06:09, 52.06it/s]
Training Step:
                81%|
                           | 80776/100000 [21:31<06:08, 52.11it/s]
Training Step:
                           | 80784/100000 [21:31<05:29, 58.39it/s]
                81%|
Training Step:
                81%|
                           | 80792/100000 [21:32<05:13, 61.34it/s]
Training Step:
                81%|
                           | 80800/100000 [21:32<04:58, 64.24it/s]
                           | 80808/100000 [21:32<04:49, 66.34it/s]
Training Step:
                81%|
Training Step:
                81%|
                           | 80816/100000 [21:32<04:46, 66.96it/s]
Training Step:
                           | 80823/100000 [21:32<04:42, 67.78it/s]
                81%|
Training Step:
                81%|
                           | 80830/100000 [21:32<04:52, 65.48it/s]
                           | 80837/100000 [21:32<04:53, 65.29it/s]
Training Step:
                81%|
                           | 80844/100000 [21:32<05:02, 63.25it/s]
Training Step:
                81%|
                           | 80851/100000 [21:32<05:07, 62.20it/s]
Training Step:
                81%|
                           | 80858/100000 [21:33<05:16, 60.54it/s]
Training Step:
                81%|
Training Step:
                81%|
                           | 80865/100000 [21:33<05:09, 61.75it/s]
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Training Step:
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Training Step:
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Training Step:
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                           | 80900/100000 [21:33<05:11, 61.35it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
                81%|
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51.36it/s][INFO] Episode ended! Scenario Index: 1014 Reason: crash
vehicle
Training Step:
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Training Step:
                81%|
                           | 80945/100000 [21:34<06:48, 46.61it/s]
Training Step:
                81%|
                           | 80951/100000 [21:34<06:27, 49.14it/s]
Training Step:
                81%|
                           | 80958/100000 [21:34<06:04, 52.19it/s]
Training Step:
                81%|
                           | 80964/100000 [21:35<05:54, 53.65it/s]
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Training Step:
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                81%|
Training Step:
                81%|
                           | 80978/100000 [21:35<05:20, 59.29it/s]
Training Step:
                81%|
                           | 80985/100000 [21:35<05:15, 60.30it/s]
Training Step:
                81%|
                           | 80992/100000 [21:35<05:20, 59.28it/s]
Training Step:
                81%|
                           | 80999/100000 [21:35<05:12, 60.75it/s]
Training Step:
                             81006/100000 [21:35<05:44, 55.18it/s]
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Training Step:
                81%|
                           | 81012/100000 [21:35<05:55, 53.41it/s]
Training Step:
                81%|
                           | 81018/100000 [21:35<05:56, 53.19it/s]
                           | 81024/100000 [21:36<06:07, 51.60it/s]
Training Step:
                81%|
Training Step:
                81%|
                           | 81030/100000 [21:36<06:06, 51.77it/s]
                           | 81036/100000 [21:36<06:14, 50.67it/s]
Training Step:
                81%|
                           | 81042/100000 [21:36<06:17, 50.16it/s]
Training Step:
                81%|
                             81048/100000 [21:36<06:08, 51.39it/s]
Training Step:
                81%|
                           | 81054/100000 [21:36<06:17, 50.21it/s]
Training Step:
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                           | 81060/100000 [21:36<06:22, 49.53it/s]
Training Step:
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Training Step:
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Training Step:
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                           | 81070/100000 [21:37<06:28, 48.69it/s]
                81%|
                           | 81075/100000 [21:37<06:30, 48.52it/s]
Training Step:
Training Step:
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Training Step:
                81%|
                           | 81087/100000 [21:37<06:03, 52.09it/s]
Training Step:
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                           | 81093/100000 [21:37<05:57, 52.83it/s]
                           | 81099/100000 [21:37<06:00, 52.48it/s]
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Training Step:
                81%|
                           | 81105/100000 [21:37<06:04, 51.83it/s]
Training Step:
                           | 81111/100000 [21:37<06:20, 49.59it/s]
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Training Step:
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                           | 81116/100000 [21:37<06:26, 48.92it/s]
Training Step:
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                           | 81122/100000 [21:38<06:29, 48.44it/s]
                           | 81128/100000 [21:38<06:26, 48.79it/s]
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                81%|
Training Step:
                81%|
                           | 81134/100000 [21:38<06:15, 50.29it/s]
                           | 81140/100000 [21:38<06:08, 51.25it/s]
Training Step:
                81%|
Training Step:
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                           | 81146/100000 [21:38<06:24, 49.07it/s]
                           | 81151/100000 [21:38<06:29, 48.37it/s]
Training Step:
                81%|
Training Step:
                81%|
                           | 81156/100000 [21:38<06:31, 48.09it/s]
Training Step:
                81%|
                           | 81162/100000 [21:38<06:25, 48.89it/s]
                81%|
                           | 81168/100000 [21:38<06:26,
Training Step:
48.77it/s][INFO] Episode ended! Scenario Index: 1016 Reason: crash
vehicle
Training Step:
                81%|
                           | 81173/100000 [21:39<07:16, 43.12it/s]
Training Step:
                           | 81180/100000 [21:39<06:30, 48.18it/s]
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Training Step:
                81%|
                           | 81187/100000 [21:39<05:49, 53.79it/s]
Training Step:
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                           | 81194/100000 [21:39<05:30, 56.92it/s]
Training Step:
                           | 81201/100000 [21:39<05:20, 58.58it/s]
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Training Step:
                81%|
                           | 81208/100000 [21:39<05:19, 58.81it/s]
Training Step:
                81%|
                           81215/100000 [21:39<05:13, 59.89it/s]
Training Step:
                81%|
                           | 81222/100000 [21:39<05:06, 61.32it/s]
Training Step:
                81%|
                           | 81230/100000 [21:40<04:54, 63.77it/s]
Training Step:
                81%|
                           | 81237/100000 [21:40<04:49, 64.80it/s]
Training Step:
                81%|
                           | 81244/100000 [21:40<05:16, 59.29it/s]
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Training Step:
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                           | 81251/100000 [21:40<05:14, 59.60it/s]
Training Step:
                81%|
                           | 81258/100000 [21:40<05:14, 59.69it/s]
Training Step:
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                           | 81265/100000 [21:40<05:08, 60.79it/s]
Training Step:
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                           | 81272/100000 [21:40<05:15, 59.27it/s]
Training Step:
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Training Step:
                81%|
                           | 81284/100000 [21:40<05:21, 58.30it/s]
Training Step:
                81%|
                           | 81290/100000 [21:41<05:31, 56.50it/s]
Training Step:
                81%|
                           | 81296/100000 [21:41<05:33, 56.07it/s]
Training Step:
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Training Step:
                81%|
                           | 81308/100000 [21:41<05:31, 56.47it/s]
                           | 81314/100000 [21:41<05:35, 55.73it/s]
Training Step:
                81%|
Training Step:
                           | 81320/100000 [21:41<05:37, 55.37it/s]
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Training Step:
                81%|
                           | 81326/100000 [21:41<05:48,
53.65it/s][INFO] Episode ended! Scenario Index: 1019 Reason: crash
vehicle
Training Step:
                81%|
                           | 81332/100000 [21:41<06:15, 49.66it/s]
Training Step:
                81%|
                           | 81340/100000 [21:41<05:32, 56.11it/s]
Training Step:
                81%|
                           | 81347/100000 [21:42<05:13, 59.49it/s]
Training Step:
                81%|
                           | 81354/100000 [21:42<05:15, 59.14it/s]
                           | 81360/100000 [21:42<05:16, 58.92it/s]
Training Step:
                81%|
                           | 81366/100000 [21:42<05:15, 59.13it/s]
Training Step:
                81%|
Training Step:
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                           | 81372/100000 [21:42<05:21, 57.99it/s]
Training Step:
                           | 81378/100000 [21:42<05:51, 53.00it/s]
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Training Step:
                81%|
                           | 81384/100000 [21:42<05:44, 54.08it/s]
                           | 81390/100000 [21:42<05:55, 52.40it/s]
Training Step:
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Training Step:
                81%|
                           | 81396/100000 [21:43<06:15, 49.51it/s]
                           | 81402/100000 [21:43<06:32, 47.37it/s]
Training Step:
                81%|
                           | 81407/100000 [21:43<06:32, 47.32it/s]
Training Step:
                81%|
Training Step:
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                           | 81412/100000 [21:43<06:36, 46.92it/s]
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                           | 81417/100000 [21:43<06:39, 46.50it/s]
Training Step:
Training Step:
                81%|
                           | 81422/100000 [21:43<06:34, 47.13it/s]
Training Step:
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                           | 81428/100000 [21:43<06:24, 48.31it/s]
Training Step:
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                           | 81434/100000 [21:43<06:16, 49.35it/s]
Training Step:
                           | 81439/100000 [21:43<06:39, 46.48it/s]
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                           | 81444/100000 [21:44<06:32, 47.30it/s]
Training Step:
                81%|
Training Step:
                           | 81450/100000 [21:44<06:20, 48.79it/s]
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Training Step:
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                           | 81456/100000 [21:44<06:09, 50.21it/s]
Training Step:
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Training Step:
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Training Step:
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                           | 81475/100000 [21:44<05:32, 55.72it/s]
Training Step:
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                           | 81481/100000 [21:44<05:28, 56.36it/s]
Training Step:
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                           | 81487/100000 [21:44<05:26, 56.75it/s]
                           | 81493/100000 [21:44<05:44, 53.69it/s]
Training Step:
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Training Step:
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Training Step:
                82%|
                           | 81505/100000 [21:45<05:40, 54.30it/s]
Training Step:
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Training Step:
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                           | 81517/100000 [21:45<05:42, 53.98it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                          | 81553/100000 [21:46<05:38, 54.49it/s]
Training Step:
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                          | 81559/100000 [21:46<05:39, 54.36it/s]
Training Step:
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Training Step:
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Training Step:
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                          | 81583/100000 [21:46<05:30, 55.75it/s]
Training Step:
Training Step:
                          | 81589/100000 [21:46<05:25, 56.63it/s]
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Training Step:
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                          | 81595/100000 [21:46<05:29, 55.84it/s]
                          | 81602/100000 [21:46<05:23, 56.80it/s]
Training Step:
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                          | 81609/100000 [21:47<05:16, 58.05it/s]
Training Step:
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Training Step:
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                          | 81615/100000 [21:47<05:48, 52.75it/s]
Training Step:
                82%|
                          | 81621/100000 [21:47<06:00, 50.91it/s]
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Training Step:
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                          81645/100000 [21:47<05:53, 51.96it/s]
Training Step:
                          | 81651/100000 [21:47<05:50, 52.29it/s]
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Training Step:
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Training Step:
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Training Step:
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                          | 81688/100000 [21:48<05:25, 56.31it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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                          | 81730/100000 [21:49<04:56, 61.69it/s]
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Training Step:
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67.33it/s][INFO] Episode ended! Scenario Index: 1017 Reason:
arrive dest.
Training Step:
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Training Step:
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                          | 81760/100000 [21:49<05:20, 56.94it/s]
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                          | 81767/100000 [21:49<05:09, 58.89it/s]
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Training Step:
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Training Step:
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                          | 81794/100000 [21:50<05:19, 56.98it/s]
Training Step:
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                          | 81800/100000 [21:50<05:22, 56.43it/s]
Training Step:
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                          | 81806/100000 [21:50<05:31, 54.94it/s]
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| 81523/100000 [21:45<05:39, 54.38it/s] | 81529/100000 [21:45<05:37, 54.71it/s]

Training Step:

Training Step:

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Training Step:
                82%|
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                          | 81818/100000 [21:50<05:36, 54.10it/s]
Training Step:
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Training Step:
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Training Step:
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                          | 81830/100000 [21:50<05:41, 53.16it/s]
Training Step:
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Training Step:
                82%|
                          | 81842/100000 [21:51<05:30, 54.91it/s]
Training Step:
                82%|
                          | 81848/100000 [21:51<05:27, 55.40it/s]
Training Step:
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                          | 81854/100000 [21:51<05:22, 56.27it/s]
Training Step:
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Training Step:
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                          | 81872/100000 [21:51<05:49, 51.86it/s]
Training Step:
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                          | 81884/100000 [21:51<06:22, 47.39it/s]
Training Step:
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                          81889/100000 [21:52<06:29, 46.45it/s]
Training Step:
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                          | 81894/100000 [21:52<06:40, 45.26it/s]
Training Step:
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                82%|
                          | 81899/100000 [21:52<06:36, 45.67it/s]
Training Step:
Training Step:
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                          | 81904/100000 [21:52<06:41, 45.02it/s]
Training Step:
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                          | 81909/100000 [21:52<06:36, 45.62it/s]
Training Step:
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                          | 81914/100000 [21:52<06:33, 45.94it/s]
Training Step:
                82%1
                          | 81919/100000 [21:52<06:28,
46.55it/s][INFO] Episode ended! Scenario Index: 1004 Reason: crash
vehicle
Training Step:
                          | 81924/100000 [21:52<08:11, 36.75it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                          | 81981/100000 [21:53<05:31, 54.41it/s]
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Training Step:
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                          | 81999/100000 [21:54<05:45, 52.16it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                          82034/100000 [21:55<06:04, 49.27it/s]
Training Step:
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                          | 82040/100000 [21:55<06:09, 48.54it/s]
                          | 82045/100000 [21:55<06:11, 48.29it/s]
Training Step:
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Training Step:
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                          | 82050/100000 [21:55<06:24, 46.63it/s]
Training Step:
                82%|
                          | 82055/100000 [21:55<06:27, 46.29it/s]
Training Step:
                82%|
                          | 82060/100000 [21:55<06:26, 46.42it/s]
Training Step:
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                          | 82065/100000 [21:55<06:20, 47.14it/s]
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Training Step:
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                           | 82075/100000 [21:55<06:17, 47.54it/s]
Training Step:
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Training Step:
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Training Step:
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                           | 82085/100000 [21:56<06:19, 47.24it/s]
Training Step:
                           | 82091/100000 [21:56<06:10, 48.40it/s]
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Training Step:
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                           | 82096/100000 [21:56<06:21, 46.88it/s]
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                           | 82101/100000 [21:56<06:30, 45.80it/s]
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                           82106/100000 [21:56<06:38, 44.90it/s]
Training Step:
                           | 82111/100000 [21:56<06:38, 44.95it/s]
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Training Step:
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                           | 82122/100000 [21:56<06:23, 46.58it/s]
Training Step:
Training Step:
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                           | 82132/100000 [21:57<06:55, 43.02it/s]
Training Step:
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Training Step:
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                           | 82142/100000 [21:57<07:03, 42.15it/s]
Training Step:
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Training Step:
                82%|
                           | 82147/100000 [21:57<08:02, 37.02it/s]
Training Step:
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                           | 82151/100000 [21:57<08:04, 36.85it/s]
Training Step:
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                           | 82156/100000 [21:57<07:47, 38.16it/s]
Training Step:
                82%|
                           | 82161/100000 [21:57<07:24, 40.15it/s]
Training Step:
                82%1
                           | 82166/100000 [21:58<07:15, 40.93it/s]
Training Step:
                82%|
                           82171/100000 [21:58<07:04, 41.98it/s]
                           | 82176/100000 [21:58<06:48, 43.61it/s]
Training Step:
                82%|
Training Step:
                82%|
                           | 82181/100000 [21:58<06:35, 45.05it/s]
Training Step:
                82%|
                           | 82186/100000 [21:58<06:51, 43.29it/s]
Training Step:
                82%|
                           | 82191/100000 [21:58<07:07, 41.70it/s]
                           | 82196/100000 [21:58<06:57, 42.63it/s]
Training Step:
                82%|
Training Step:
                82%|
                           | 82201/100000 [21:58<06:43, 44.06it/s]
                           | 82206/100000 [21:58<06:41, 44.35it/s]
Training Step:
                82%|
                           | 82212/100000 [21:59<06:30, 45.53it/s]
Training Step:
                82%|
Training Step:
                82%|
                           | 82217/100000 [21:59<06:21, 46.61it/s]
Training Step:
                82%1
                           | 82222/100000 [21:59<06:15, 47.29it/s]
                           | 82228/100000 [21:59<06:07, 48.34it/s]
Training Step:
                82%|
Training Step:
                82%|
                           | 82233/100000 [21:59<06:14, 47.48it/s]
Training Step:
                82%|
                           | 82238/100000 [21:59<06:15, 47.26it/s]
Training Step:
                           | 82244/100000 [21:59<06:03, 48.80it/s]
                82%|
                           | 82250/100000 [21:59<05:54, 50.04it/s]
Training Step:
                82%|
Training Step:
                           | 82256/100000 [21:59<05:55, 49.96it/s]
                82%|
Training Step:
                82%|
                           82262/100000 [22:00<05:55, 49.85it/s]
Training Step:
                           | 82268/100000 [22:00<05:53, 50.15it/s]
                82%|
Training Step:
                82%|
                           | 82274/100000 [22:00<05:51, 50.36it/s]
Training Step:
                82%|
                           | 82280/100000 [22:00<05:55, 49.86it/s]
Training Step:
                82%1
                           | 82285/100000 [22:00<06:04, 48.55it/s]
Training Step:
                82%|
                           | 82290/100000 [22:00<06:17, 46.92it/s]
Training Step:
                           | 82295/100000 [22:00<06:18, 46.74it/s]
                82%|
                           | 82300/100000 [22:00<06:24, 46.00it/s]
Training Step:
                82%|
Training Step:
                82%1
                           | 82305/100000 [22:00<06:34, 44.80it/s]
Training Step:
                82%|
                           | 82310/100000 [22:01<06:42, 43.95it/s]
Training Step:
                82%|
                           | 82316/100000 [22:01<06:27, 45.69it/s]
```

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Training Step:
                82%|
                          | 82321/100000 [22:01<06:17, 46.84it/s]
Training Step:
                82%|
                          | 82326/100000 [22:01<06:11, 47.58it/s]
Training Step:
                82%1
                          | 82332/100000 [22:01<06:03, 48.61it/s]
Training Step:
                82%|
                          | 82338/100000 [22:01<05:54, 49.84it/s]
Training Step:
                          | 82344/100000 [22:01<05:45, 51.09it/s]
                82%1
Training Step:
                82%|
                          | 82350/100000 [22:01<05:34, 52.83it/s]
Training Step:
                82%|
                          | 82356/100000 [22:01<05:23, 54.53it/s]
Training Step:
                82%|
                          | 82362/100000 [22:02<05:18, 55.46it/s]
Training Step:
                          | 82368/100000 [22:02<05:12, 56.44it/s]
                82%|
Training Step:
                82%|
                          | 82374/100000 [22:02<06:12, 47.36it/s]
                          | 82379/100000 [22:02<06:42, 43.80it/s]
Training Step:
                82%|
Training Step:
                          | 82384/100000 [22:02<07:09, 41.05it/s]
                82%|
                          | 82389/100000 [22:02<07:15, 40.47it/s]
Training Step:
                82%|
                          82394/100000 [22:02<07:06, 41.29it/s]
Training Step:
                82%|
                          | 82400/100000 [22:03<06:44, 43.49it/s]
Training Step:
                82%|
                82%|
                          | 82405/100000 [22:03<07:02, 41.62it/s]
Training Step:
Training Step:
                82%|
                          | 82411/100000 [22:03<06:26, 45.53it/s]
Training Step:
                82%|
                          | 82417/100000 [22:03<06:02, 48.54it/s]
Training Step:
                82%|
                          | 82423/100000 [22:03<05:44, 51.07it/s]
Training Step:
                82%1
                          82429/100000 [22:03<05:29,
53.38it/s][INFO] Episode ended! Scenario Index: 1007 Reason:
arrive dest.
Training Step:
                          | 82435/100000 [22:03<06:15, 46.81it/s]
                82%|
Training Step:
                82%|
                          | 82441/100000 [22:03<05:59, 48.80it/s]
                          | 82448/100000 [22:03<05:33, 52.71it/s]
Training Step:
                82%|
```

| 82454/100000 [22:04<05:22, 54.35it/s] Training Step: 82%| | 82460/100000 [22:04<05:46, 50.63it/s] Training Step: 82%| | 82466/100000 [22:04<05:54, 49.46it/s] Training Step: 82%| Training Step: 82%| | 82472/100000 [22:04<06:01, 48.46it/s] 82%| | 82478/100000 [22:04<05:57, 49.05it/s] Training Step: Training Step: 82%| | 82483/100000 [22:04<06:17, 46.42it/s] Training Step: 82%| | 82488/100000 [22:04<06:25, 45.46it/s] Training Step: 82%| | 82494/100000 [22:04<06:09, 47.34it/s] Training Step: | 82499/100000 [22:05<06:07, 47.66it/s] 82%| | 82504/100000 [22:05<06:19, 46.04it/s] Training Step: 83%| | 82510/100000 [22:05<06:14, 46.66it/s] Training Step: 83%| Training Step: 83%| | 82515/100000 [22:05<06:16, 46.41it/s] Training Step: | 82520/100000 [22:05<06:16, 46.44it/s] 83%| Training Step: 83%| | 82525/100000 [22:05<06:12, 46.95it/s] Training Step: 83%| | 82530/100000 [22:05<06:15, 46.50it/s] Training Step: 83%1 | 82535/100000 [22:05<06:09, 47.23it/s] Training Step: 83%| | 82540/100000 [22:05<06:12, 46.92it/s] | 82546/100000 [22:06<06:00, 48.43it/s] Training Step: 83%| Training Step: 83%| | 82552/100000 [22:06<05:55, 49.06it/s] Training Step: 83%| | 82558/100000 [22:06<05:51, 49.61it/s] Training Step: 83%| | 82563/100000 [22:06<05:56, 48.92it/s] Training Step: 83%| | 82568/100000 [22:06<06:14, 46.51it/s]

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Training Step:
                83%|
                           | 82573/100000 [22:06<06:14, 46.57it/s]
Training Step:
                83%|
                           | 82578/100000 [22:06<06:22, 45.51it/s]
Training Step:
                83%1
                           | 82584/100000 [22:06<06:15, 46.43it/s]
Training Step:
                83%|
                           | 82589/100000 [22:06<06:27, 44.97it/s]
Training Step:
                           | 82594/100000 [22:07<06:17, 46.07it/s]
                83%1
Training Step:
                83%|
                           | 82600/100000 [22:07<06:10, 46.99it/s]
Training Step:
                83%|
                           | 82606/100000 [22:07<05:59, 48.41it/s]
Training Step:
                83%|
                           82612/100000 [22:07<05:49, 49.79it/s]
Training Step:
                           | 82618/100000 [22:07<05:50, 49.60it/s]
                83%|
Training Step:
                83%|
                           | 82624/100000 [22:07<05:50, 49.65it/s]
                           | 82630/100000 [22:07<05:40, 50.98it/s]
Training Step:
                83%|
Training Step:
                           | 82636/100000 [22:07<05:34, 51.87it/s]
                83%|
                           | 82642/100000 [22:08<06:09, 46.93it/s]
Training Step:
                83%|
                           | 82647/100000 [22:08<06:13, 46.41it/s]
Training Step:
                83%|
                           | 82652/100000 [22:08<06:27, 44.79it/s]
Training Step:
                83%|
                83%1
                           | 82657/100000 [22:08<06:15, 46.14it/s]
Training Step:
Training Step:
                83%|
                           | 82662/100000 [22:08<06:08, 47.06it/s]
Training Step:
                83%1
                           | 82668/100000 [22:08<05:58, 48.37it/s]
Training Step:
                83%|
                           | 82674/100000 [22:08<05:52, 49.14it/s]
Training Step:
                83%1
                           | 82680/100000 [22:08<05:46, 49.92it/s]
Training Step:
                83%|
                           82686/100000 [22:08<05:47, 49.79it/s]
                           | 82692/100000 [22:09<05:41, 50.73it/s]
Training Step:
                83%|
Training Step:
                83%|
                           | 82698/100000 [22:09<05:47, 49.74it/s]
Training Step:
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                           | 82704/100000 [22:09<05:45, 50.07it/s]
Training Step:
                83%|
                           | 82710/100000 [22:09<05:45, 50.05it/s]
                           | 82716/100000 [22:09<05:37, 51.19it/s]
Training Step:
                83%|
                           | 82722/100000 [22:09<05:26, 52.99it/s]
Training Step:
                83%1
                           | 82728/100000 [22:09<05:30, 52.33it/s]
Training Step:
                83%|
Training Step:
                           82734/100000 [22:09<05:33, 51.80it/s]
                83%|
Training Step:
                83%|
                           | 82740/100000 [22:09<05:37, 51.18it/s]
Training Step:
                83%1
                           | 82746/100000 [22:10<05:39, 50.82it/s]
Training Step:
                83%|
                           | 82752/100000 [22:10<05:40, 50.70it/s]
Training Step:
                83%1
                           | 82758/100000 [22:10<05:31, 52.08it/s]
Training Step:
                83%|
                           | 82764/100000 [22:10<05:30, 52.12it/s]
Training Step:
                           | 82770/100000 [22:10<05:22, 53.45it/s]
                83%|
                           | 82776/100000 [22:10<05:22, 53.47it/s]
Training Step:
                83%|
Training Step:
                           | 82782/100000 [22:10<05:23, 53.21it/s]
                83%|
Training Step:
                83%|
                           | 82788/100000 [22:10<05:29, 52.30it/s]
Training Step:
                           | 82794/100000 [22:11<05:36, 51.10it/s]
                83%|
Training Step:
                83%|
                           | 82800/100000 [22:11<05:40, 50.57it/s]
Training Step:
                83%|
                           | 82806/100000 [22:11<05:35, 51.30it/s]
Training Step:
                83%1
                           | 82812/100000 [22:11<05:34, 51.40it/s]
Training Step:
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                           | 82818/100000 [22:11<05:29, 52.20it/s]
                           | 82824/100000 [22:11<05:21, 53.47it/s]
Training Step:
                83%|
                           | 82830/100000 [22:11<05:16, 54.21it/s]
Training Step:
                83%|
Training Step:
                83%1
                           | 82836/100000 [22:11<05:21, 53.43it/s]
Training Step:
                83%|
                           | 82842/100000 [22:11<05:11, 55.09it/s]
Training Step:
                83%1
                           | 82848/100000 [22:12<05:05, 56.16it/s]
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Training Step:
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                           | 82854/100000 [22:12<05:02, 56.68it/s]
                83%|
                           | 82861/100000 [22:12<04:52, 58.60it/s]
Training Step:
Training Step:
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                           | 82868/100000 [22:12<04:43, 60.38it/s]
Training Step:
                83%|
                           | 82876/100000 [22:12<04:31, 63.01it/s]
Training Step:
                           | 82883/100000 [22:12<04:23, 64.96it/s]
                83%1
Training Step:
                83%|
                           | 82890/100000 [22:12<04:18,
66.21it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
arrive dest.
                           | 82897/100000 [22:12<05:03, 56.32it/s]
Training Step:
                83%|
                           | 82904/100000 [22:12<04:46, 59.68it/s]
Training Step:
                83%|
Training Step:
                           | 82912/100000 [22:13<04:32, 62.60it/s]
                83%|
                           | 82919/100000 [22:13<04:28, 63.65it/s]
Training Step:
                83%|
                           | 82926/100000 [22:13<04:28, 63.47it/s]
Training Step:
                83%|
                           | 82933/100000 [22:13<04:21, 65.27it/s]
Training Step:
                83%|
Training Step:
                83%|
                           | 82940/100000 [22:13<04:17, 66.24it/s]
Training Step:
                83%|
                           | 82947/100000 [22:13<04:16, 66.38it/s]
Training Step:
                83%|
                           | 82954/100000 [22:13<04:20, 65.35it/s]
Training Step:
                83%|
                           | 82961/100000 [22:13<04:30, 63.08it/s]
Training Step:
                83%1
                           | 82968/100000 [22:13<04:33, 62.24it/s]
Training Step:
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                           | 82975/100000 [22:14<04:36, 61.66it/s]
                           | 82982/100000 [22:14<04:40, 60.62it/s]
Training Step:
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Training Step:
                83%|
                           | 82989/100000 [22:14<04:45, 59.55it/s]
Training Step:
                83%|
                           | 82995/100000 [22:14<04:51, 58.41it/s]
Training Step:
                83%|
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                           | 83007/100000 [22:14<04:50, 58.50it/s]
Training Step:
                83%|
Training Step:
                83%|
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                           | 83019/100000 [22:14<04:54, 57.70it/s]
Training Step:
                83%|
                           | 83025/100000 [22:14<04:51, 58.19it/s]
Training Step:
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Training Step:
                83%1
                           | 83031/100000 [22:15<04:54, 57.71it/s]
Training Step:
                83%1
                           | 83037/100000 [22:15<04:51, 58.13it/s]
Training Step:
                83%|
                           | 83044/100000 [22:15<04:50, 58.36it/s]
Training Step:
                83%|
                           | 83050/100000 [22:15<04:48, 58.66it/s]
Training Step:
                83%|
                           | 83056/100000 [22:15<04:48, 58.70it/s]
Training Step:
                           | 83063/100000 [22:15<04:43, 59.77it/s]
                83%|
                           | 83070/100000 [22:15<04:44, 59.60it/s]
Training Step:
                83%|
Training Step:
                           | 83076/100000 [22:15<04:47, 58.89it/s]
                83%|
Training Step:
                83%|
                           | 83082/100000 [22:15<04:51, 58.05it/s]
Training Step:
                           | 83088/100000 [22:16<05:44, 49.14it/s]
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Training Step:
                83%|
                           | 83094/100000 [22:16<05:56, 47.44it/s]
Training Step:
                83%|
                           | 83099/100000 [22:16<05:57, 47.25it/s]
Training Step:
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                           | 83104/100000 [22:16<06:06, 46.06it/s]
Training Step:
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                           | 83109/100000 [22:16<06:33, 42.93it/s]
Training Step:
                           | 83114/100000 [22:16<06:52, 40.96it/s]
                83%|
                           | 83119/100000 [22:16<06:51, 41.01it/s]
Training Step:
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Training Step:
                83%1
                           | 83124/100000 [22:16<06:54, 40.70it/s]
Training Step:
                83%|
                           | 83129/100000 [22:17<06:49, 41.18it/s]
Training Step:
                83%|
                           | 83134/100000 [22:17<06:57, 40.43it/s]
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Training Step:
                83%|
                           | 83154/100000 [22:17<06:35, 42.54it/s]
Training Step:
                           | 83159/100000 [22:17<06:27, 43.43it/s]
                83%1
Training Step:
                83%|
                           | 83164/100000 [22:17<06:26, 43.56it/s]
Training Step:
                83%|
                           | 83169/100000 [22:17<06:15, 44.88it/s]
Training Step:
                83%|
                           | 83174/100000 [22:18<06:15, 44.81it/s]
Training Step:
                83%|
                           | 83179/100000 [22:18<06:07, 45.74it/s]
                           | 83184/100000 [22:18<06:13, 45.05it/s]
Training Step:
                83%|
                83%|
                           | 83190/100000 [22:18<05:59, 46.74it/s]
Training Step:
Training Step:
                           | 83195/100000 [22:18<05:56, 47.12it/s]
                83%|
                           | 83200/100000 [22:18<05:51, 47.75it/s]
Training Step:
                83%|
Training Step:
                           | 83205/100000 [22:18<05:50, 47.96it/s]
                83%|
                           | 83210/100000 [22:18<05:50, 47.92it/s]
Training Step:
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Training Step:
                83%|
                           | 83216/100000 [22:18<05:36, 49.89it/s]
Training Step:
                83%|
                           | 83222/100000 [22:19<05:31, 50.57it/s]
Training Step:
                83%|
                           | 83228/100000 [22:19<05:31, 50.55it/s]
Training Step:
                83%|
                           | 83234/100000 [22:19<05:30, 50.78it/s]
Training Step:
                83%1
                           | 83240/100000 [22:19<05:38, 49.55it/s]
Training Step:
                83%|
                           | 83246/100000 [22:19<05:35, 49.92it/s]
Training Step:
                           | 83252/100000 [22:19<05:33, 50.20it/s]
                83%|
Training Step:
                83%|
                           | 83258/100000 [22:19<05:30, 50.65it/s]
Training Step:
                83%|
                           | 83264/100000 [22:19<05:24, 51.63it/s]
Training Step:
                83%|
                           | 83270/100000 [22:19<05:16, 52.90it/s]
                           | 83276/100000 [22:20<05:19, 52.40it/s]
Training Step:
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Training Step:
                83%|
                           | 83283/100000 [22:20<04:59, 55.77it/s]
                           | 83290/100000 [22:20<04:42, 59.07it/s]
Training Step:
                83%|
                           | 83297/100000 [22:20<04:31, 61.61it/s]
Training Step:
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Training Step:
                83%|
                           | 83304/100000 [22:20<04:30, 61.72it/s]
Training Step:
                83%|
                           | 83311/100000 [22:20<04:25, 62.88it/s]
Training Step:
                83%|
                           | 83318/100000 [22:20<04:28, 62.07it/s]
Training Step:
                83%|
                           | 83325/100000 [22:20<04:28, 62.03it/s]
                           | 83332/100000 [22:20<04:27, 62.34it/s]
Training Step:
                83%|
Training Step:
                           | 83340/100000 [22:21<04:16, 65.08it/s]
                83%|
Training Step:
                83%|
                           83348/100000 [22:21<04:08,
66.99it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
arrive dest.
                           | 83355/100000 [22:21<04:57, 56.02it/s]
Training Step:
                83%|
Training Step:
                83%|
                           | 83362/100000 [22:21<04:45, 58.32it/s]
Training Step:
                83%1
                           | 83369/100000 [22:21<04:32, 60.98it/s]
Training Step:
                83%|
                           | 83376/100000 [22:21<04:39, 59.45it/s]
Training Step:
                           83383/100000 [22:21<04:48, 57.62it/s]
                83%|
                           | 83389/100000 [22:21<04:54, 56.36it/s]
Training Step:
                83%1
Training Step:
                83%1
                           | 83395/100000 [22:22<04:57, 55.85it/s]
Training Step:
                83%|
                           | 83401/100000 [22:22<05:04, 54.48it/s]
Training Step:
                83%|
                           | 83407/100000 [22:22<05:02, 54.93it/s]
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| 83139/100000 [22:17<06:44, 41.70it/s]

| 83144/100000 [22:17<06:41, 42.00it/s]

| 83149/100000 [22:17<06:46, 41.49it/s]

Training Step:

Training Step: Training Step: 83%|

83%|

83%1

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Training Step:
                83%|
                           | 83413/100000 [22:22<05:02, 54.81it/s]
                83%|
                           | 83419/100000 [22:22<05:07, 53.98it/s]
Training Step:
Training Step:
                83%1
                           | 83425/100000 [22:22<05:10, 53.43it/s]
Training Step:
                83%|
                           | 83431/100000 [22:22<05:11, 53.19it/s]
Training Step:
                           | 83437/100000 [22:22<05:14, 52.61it/s]
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Training Step:
                83%|
                           | 83443/100000 [22:22<05:16, 52.34it/s]
Training Step:
                83%|
                           | 83449/100000 [22:23<05:24, 51.05it/s]
Training Step:
                83%|
                           | 83455/100000 [22:23<05:32, 49.73it/s]
Training Step:
                           | 83461/100000 [22:23<05:27, 50.46it/s]
                83%|
Training Step:
                83%|
                           | 83467/100000 [22:23<05:26, 50.62it/s]
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                           | 83473/100000 [22:23<05:26, 50.66it/s]
Training Step:
Training Step:
                           | 83479/100000 [22:23<05:26, 50.57it/s]
                83%|
                           | 83485/100000 [22:23<05:24, 50.83it/s]
Training Step:
                83%|
Training Step:
                           | 83491/100000 [22:23<05:29, 50.08it/s]
                83%|
                           | 83497/100000 [22:24<05:28, 50.24it/s]
Training Step:
                83%1
Training Step:
                84%|
                           | 83503/100000 [22:24<05:29, 50.04it/s]
Training Step:
                84%|
                           | 83509/100000 [22:24<05:27, 50.30it/s]
Training Step:
                84%|
                           | 83515/100000 [22:24<05:25, 50.60it/s]
Training Step:
                84%|
                           | 83521/100000 [22:24<05:23, 50.99it/s]
Training Step:
                84%1
                           | 83527/100000 [22:24<05:15, 52.20it/s]
                           | 83533/100000 [22:24<05:18, 51.69it/s]
Training Step:
                84%|
                           | 83539/100000 [22:24<05:24, 50.65it/s]
Training Step:
                84%|
Training Step:
                84%|
                           | 83545/100000 [22:24<05:22, 50.97it/s]
Training Step:
                           | 83551/100000 [22:25<05:24, 50.67it/s]
                84%|
Training Step:
                84%|
                           | 83557/100000 [22:25<05:27, 50.24it/s]
                           | 83563/100000 [22:25<05:45, 47.60it/s]
Training Step:
                84%|
Training Step:
                84%|
                           | 83568/100000 [22:25<05:50, 46.86it/s]
                           | 83573/100000 [22:25<06:00, 45.53it/s]
Training Step:
                84%|
Training Step:
                           | 83578/100000 [22:25<06:10, 44.26it/s]
                84%|
Training Step:
                84%|
                           | 83583/100000 [22:25<06:21, 43.06it/s]
Training Step:
                84%|
                           | 83588/100000 [22:25<06:17, 43.51it/s]
Training Step:
                84%|
                           | 83593/100000 [22:26<06:05, 44.87it/s]
Training Step:
                84%|
                           | 83598/100000 [22:26<06:06, 44.80it/s]
Training Step:
                84%|
                           | 83603/100000 [22:26<06:03, 45.12it/s]
Training Step:
                           | 83608/100000 [22:26<06:12, 44.03it/s]
                84%|
                           | 83613/100000 [22:26<06:07, 44.62it/s]
Training Step:
                84%|
Training Step:
                           | 83618/100000 [22:26<06:14, 43.73it/s]
                84%|
Training Step:
                84%1
                           | 83623/100000 [22:26<06:10, 44.25it/s]
Training Step:
                           | 83628/100000 [22:26<06:05, 44.84it/s]
                84%|
Training Step:
                84%|
                           | 83633/100000 [22:26<06:03, 45.08it/s]
Training Step:
                84%|
                           | 83638/100000 [22:27<06:03, 45.07it/s]
Training Step:
                84%|
                           | 83643/100000 [22:27<06:02, 45.06it/s]
Training Step:
                84%|
                           | 83648/100000 [22:27<05:58, 45.67it/s]
                           | 83654/100000 [22:27<05:50, 46.61it/s]
Training Step:
                84%|
Training Step:
                84%|
                           | 83659/100000 [22:27<05:50, 46.68it/s]
Training Step:
                84%|
                           | 83664/100000 [22:27<05:53, 46.22it/s]
Training Step:
                84%|
                           | 83669/100000 [22:27<05:59, 45.44it/s]
Training Step:
                84%|
                           | 83674/100000 [22:27<06:04, 44.77it/s]
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Training Step:
                84%|
                          | 83679/100000 [22:27<06:05, 44.68it/s]
Training Step:
                84%|
                          | 83684/100000 [22:28<06:14, 43.58it/s]
Training Step:
                84%|
                          | 83689/100000 [22:28<06:10, 44.03it/s]
Training Step:
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                          | 83694/100000 [22:28<06:05, 44.56it/s]
Training Step:
                          | 83699/100000 [22:28<06:01, 45.07it/s]
                84%1
Training Step:
                84%|
                          | 83704/100000 [22:28<05:59, 45.31it/s]
Training Step:
                84%|
                          | 83710/100000 [22:28<05:49, 46.67it/s]
Training Step:
                84%|
                          | 83715/100000 [22:28<05:44, 47.32it/s]
Training Step:
                          | 83720/100000 [22:28<05:45, 47.15it/s]
                84%|
Training Step:
                84%|
                          | 83725/100000 [22:28<05:40, 47.82it/s]
                84%|
                          | 83730/100000 [22:29<05:41, 47.62it/s]
Training Step:
Training Step:
                          | 83735/100000 [22:29<05:38, 48.03it/s]
                84%|
Training Step:
                          | 83740/100000 [22:29<05:39, 47.91it/s]
                84%|
Training Step:
                          | 83746/100000 [22:29<05:28, 49.55it/s]
                84%|
                          | 83751/100000 [22:29<05:27, 49.67it/s]
Training Step:
                84%|
Training Step:
                84%|
                          | 83756/100000 [22:29<05:32, 48.79it/s]
Training Step:
                84%|
                          | 83761/100000 [22:29<05:34, 48.58it/s]
Training Step:
                84%|
                          | 83766/100000 [22:29<05:45, 47.01it/s]
Training Step:
                84%|
                          | 83771/100000 [22:29<05:47, 46.70it/s]
Training Step:
                84%1
                          | 83776/100000 [22:30<05:54, 45.81it/s]
                          | 83781/100000 [22:30<05:56, 45.45it/s]
Training Step:
                84%|
Training Step:
                          | 83786/100000 [22:30<05:52, 45.95it/s]
                84%|
Training Step:
                84%|
                          | 83791/100000 [22:30<05:46, 46.83it/s]
Training Step:
                84%|
                          | 83796/100000 [22:30<05:45, 46.93it/s]
Training Step:
                84%|
                          | 83801/100000 [22:30<06:01, 44.85it/s]
                          | 83806/100000 [22:30<06:00, 44.91it/s]
Training Step:
                84%|
Training Step:
                84%|
                          | 83811/100000 [22:30<05:50, 46.20it/s]
Training Step:
                84%|
                          | 83816/100000 [22:30<05:52, 45.97it/s]
                          | 83822/100000 [22:31<05:37, 47.90it/s]
Training Step:
                84%|
Training Step:
                84%|
                          | 83828/100000 [22:31<05:25, 49.65it/s]
Training Step:
                84%|
                          | 83835/100000 [22:31<05:03, 53.28it/s]
Training Step:
                84%|
                          | 83842/100000 [22:31<04:50, 55.60it/s]
Training Step:
                84%|
                          | 83849/100000 [22:31<04:40,
57.67it/s][INFO] Episode ended! Scenario Index: 1007 Reason:
arrive dest.
Training Step:
                84%|
                          | 83855/100000 [22:31<05:37, 47.87it/s]
Training Step:
                84%|
                          | 83862/100000 [22:31<05:06, 52.64it/s]
Training Step:
                          | 83870/100000 [22:31<04:40, 57.45it/s]
                84%|
Training Step:
                84%|
                          | 83876/100000 [22:31<04:42, 57.09it/s]
Training Step:
                84%|
                          | 83882/100000 [22:32<04:53, 54.82it/s]
Training Step:
                84%|
                          83888/100000 [22:32<04:59, 53.80it/s]
Training Step:
                84%|
                          | 83894/100000 [22:32<04:58, 53.87it/s]
Training Step:
                          | 83900/100000 [22:32<05:03, 53.09it/s]
                84%|
                          | 83906/100000 [22:32<05:11, 51.74it/s]
Training Step:
                84%|
Training Step:
                84%|
                          | 83912/100000 [22:32<05:13, 51.35it/s]
Training Step:
                84%|
                          | 83918/100000 [22:32<05:21, 50.05it/s]
Training Step:
                84%|
                          | 83924/100000 [22:32<05:27, 49.11it/s]
```

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Training Step:
                          | 83929/100000 [22:33<05:26, 49.22it/s]
                84%|
Training Step:
                84%|
                          | 83934/100000 [22:33<05:29, 48.77it/s]
Training Step:
                84%|
                          | 83939/100000 [22:33<05:27, 49.11it/s]
Training Step:
                84%|
                          | 83944/100000 [22:33<05:29, 48.76it/s]
Training Step:
                          | 83950/100000 [22:33<05:25, 49.33it/s]
                84%1
Training Step:
                84%|
                          | 83956/100000 [22:33<05:18, 50.34it/s]
Training Step:
                84%|
                          83962/100000 [22:33<05:13,
51.17it/s][INFO] Episode ended! Scenario Index: 1003 Reason: crash
vehicle
                          | 83968/100000 [22:33<05:58, 44.73it/s]
Training Step:
                84%|
Training Step:
                          | 83975/100000 [22:33<05:17, 50.46it/s]
                84%|
                          | 83982/100000 [22:34<04:53, 54.54it/s]
Training Step:
                84%|
                          83989/100000 [22:34<04:37, 57.74it/s]
Training Step:
                84%|
                          | 83996/100000 [22:34<04:32, 58.84it/s]
Training Step:
                84%|
                          | 84002/100000 [22:34<04:45, 56.13it/s]
Training Step:
                84%|
Training Step:
                84%|
                          | 84009/100000 [22:34<04:31, 58.90it/s]
Training Step:
                84%|
                          | 84015/100000 [22:34<04:33, 58.40it/s]
Training Step:
                84%|
                          | 84022/100000 [22:34<04:32, 58.69it/s]
Training Step:
                84%|
                          | 84029/100000 [22:34<04:24, 60.31it/s]
Training Step:
                84%|
                          | 84036/100000 [22:34<04:23, 60.57it/s]
                          | 84043/100000 [22:35<04:26, 59.81it/s]
Training Step:
                84%|
Training Step:
                84%|
                          | 84049/100000 [22:35<04:27, 59.70it/s]
Training Step:
                          | 84056/100000 [22:35<04:29, 59.06it/s]
                84%|
Training Step:
                84%|
                          | 84062/100000 [22:35<04:41, 56.71it/s]
                          | 84068/100000 [22:35<04:55, 53.87it/s]
Training Step:
                84%|
Training Step:
                84%|
                          | 84074/100000 [22:35<05:05, 52.17it/s]
                          | 84080/100000 [22:35<05:16, 50.26it/s]
Training Step:
                84%|
Training Step:
                          | 84086/100000 [22:35<05:16, 50.22it/s]
                84%|
Training Step:
                84%|
                          | 84092/100000 [22:36<05:14, 50.66it/s]
                          | 84098/100000 [22:36<05:11, 51.00it/s]
Training Step:
                84%|
Training Step:
                84%|
                          | 84104/100000 [22:36<05:05, 51.96it/s]
Training Step:
                84%|
                          | 84110/100000 [22:36<04:53, 54.11it/s]
Training Step:
                84%|
                          | 84116/100000 [22:36<04:52, 54.38it/s]
Training Step:
                          | 84122/100000 [22:36<04:55, 53.65it/s]
                84%|
                          | 84128/100000 [22:36<05:00, 52.76it/s]
Training Step:
                84%|
Training Step:
                          | 84134/100000 [22:36<04:57, 53.28it/s]
                84%|
Training Step:
                84%|
                          | 84140/100000 [22:36<05:05, 51.85it/s]
Training Step:
                          | 84146/100000 [22:37<05:07, 51.49it/s]
                84%|
Training Step:
                84%|
                          | 84152/100000 [22:37<05:07, 51.61it/s]
Training Step:
                84%|
                          | 84158/100000 [22:37<05:08, 51.31it/s]
Training Step:
                84%|
                          | 84164/100000 [22:37<05:07, 51.44it/s]
Training Step:
                84%|
                          | 84170/100000 [22:37<05:11, 50.88it/s]
                          | 84176/100000 [22:37<05:11, 50.76it/s]
Training Step:
                84%|
                          | 84182/100000 [22:37<05:14, 50.30it/s]
Training Step:
                84%|
Training Step:
                84%|
                          | 84188/100000 [22:37<05:19, 49.55it/s]
Training Step:
                84%|
                          | 84194/100000 [22:38<05:21,
49.20it/s][INFO] Episode ended! Scenario Index: 1016 Reason: crash
```

vehicle

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Training Step:
                84%|
                           | 84199/100000 [22:38<06:21, 41.43it/s]
Training Step:
                84%|
                           | 84206/100000 [22:38<05:30, 47.77it/s]
Training Step:
                84%1
                           84214/100000 [22:38<04:53, 53.78it/s]
Training Step:
                84%|
                           | 84221/100000 [22:38<04:38, 56.71it/s]
Training Step:
                84%|
                           | 84227/100000 [22:38<04:40, 56.27it/s]
Training Step:
                84%|
                           84233/100000 [22:38<04:48, 54.57it/s]
                           | 84239/100000 [22:38<04:52, 53.88it/s]
Training Step:
                84%|
Training Step:
                84%|
                           | 84245/100000 [22:38<04:54, 53.49it/s]
                           | 84251/100000 [22:39<04:52, 53.93it/s]
Training Step:
                84%|
                           | 84257/100000 [22:39<04:53, 53.68it/s]
Training Step:
                84%|
                           | 84263/100000 [22:39<04:55, 53.23it/s]
Training Step:
                84%|
                           84269/100000 [22:39<04:58, 52.77it/s]
Training Step:
                84%|
                           | 84275/100000 [22:39<05:00, 52.32it/s]
Training Step:
                84%|
                           | 84281/100000 [22:39<05:05, 51.47it/s]
Training Step:
                84%|
Training Step:
                84%|
                           | 84287/100000 [22:39<05:11, 50.40it/s]
Training Step:
                84%|
                           | 84293/100000 [22:39<05:10, 50.53it/s]
Training Step:
                84%|
                           | 84299/100000 [22:40<05:07, 51.01it/s]
Training Step:
                84%1
                           | 84305/100000 [22:40<05:07, 50.98it/s]
Training Step:
                84%|
                           84311/100000 [22:40<05:04, 51.46it/s]
                           | 84317/100000 [22:40<05:25, 48.19it/s]
Training Step:
                84%|
Training Step:
                84%|
                           | 84322/100000 [22:40<05:23, 48.40it/s]
Training Step:
                           | 84327/100000 [22:40<05:32, 47.19it/s]
                84%|
Training Step:
                84%|
                           | 84332/100000 [22:40<05:46, 45.15it/s]
                           | 84337/100000 [22:40<05:41, 45.85it/s]
Training Step:
                84%|
Training Step:
                84%|
                           | 84342/100000 [22:40<05:39, 46.09it/s]
Training Step:
                84%|
                           | 84347/100000 [22:41<05:41, 45.86it/s]
                           | 84352/100000 [22:41<05:46, 45.12it/s]
Training Step:
                84%|
Training Step:
                84%|
                           | 84357/100000 [22:41<05:39, 46.09it/s]
                           | 84362/100000 [22:41<05:38, 46.15it/s]
Training Step:
                84%|
Training Step:
                84%|
                           | 84368/100000 [22:41<05:30, 47.26it/s]
Training Step:
                84%|
                           | 84374/100000 [22:41<05:24, 48.19it/s]
Training Step:
                84%|
                           | 84380/100000 [22:41<05:19, 48.83it/s]
Training Step:
                           | 84386/100000 [22:41<05:18, 49.06it/s]
                84%|
                           | 84391/100000 [22:41<05:17, 49.18it/s]
Training Step:
                84%|
                           | 84397/100000 [22:42<05:09, 50.36it/s]
Training Step:
                84%|
Training Step:
                84%|
                           84403/100000 [22:42<05:03, 51.46it/s]
Training Step:
                           | 84409/100000 [22:42<04:59, 52.11it/s]
                84%|
Training Step:
                84%|
                           | 84415/100000 [22:42<05:03, 51.34it/s]
Training Step:
                84%|
                           | 84421/100000 [22:42<05:07, 50.64it/s]
Training Step:
                84%|
                           | 84427/100000 [22:42<05:07, 50.63it/s]
Training Step:
                84%|
                           | 84433/100000 [22:42<05:08, 50.45it/s]
                           | 84439/100000 [22:42<05:08, 50.44it/s]
Training Step:
                84%|
Training Step:
                84%|
                           | 84445/100000 [22:43<05:10, 50.07it/s]
Training Step:
                84%|
                           | 84451/100000 [22:43<05:15, 49.25it/s]
Training Step:
                84%|
                           | 84456/100000 [22:43<05:23, 47.99it/s]
Training Step:
                84%|
                           | 84461/100000 [22:43<05:20, 48.47it/s]
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Training Step:
                           | 84466/100000 [22:43<05:17, 48.88it/s]
                84%|
Training Step:
                84%|
                           | 84472/100000 [22:43<05:13, 49.49it/s]
Training Step:
                84%|
                           | 84478/100000 [22:43<05:08, 50.29it/s]
Training Step:
                84%|
                           | 84484/100000 [22:43<05:07, 50.46it/s]
                           | 84490/100000 [22:43<05:05, 50.85it/s]
Training Step:
                84%1
Training Step:
                84%|
                           | 84496/100000 [22:44<05:03, 51.04it/s]
Training Step:
                85%|
                           84502/100000 [22:44<05:03, 50.98it/s]
Training Step:
                85%|
                           | 84508/100000 [22:44<04:56, 52.21it/s]
                           | 84514/100000 [22:44<04:52, 52.89it/s]
Training Step:
                85%|
Training Step:
                85%|
                           | 84520/100000 [22:44<04:53, 52.67it/s]
                           | 84526/100000 [22:44<04:56, 52.11it/s]
Training Step:
                85%|
                           | 84532/100000 [22:44<04:56, 52.13it/s]
Training Step:
                85%|
                           | 84538/100000 [22:44<04:58, 51.87it/s]
Training Step:
                85%|
                           84544/100000 [22:44<05:02, 51.03it/s]
Training Step:
                85%|
                           | 84550/100000 [22:45<05:10, 49.83it/s]
Training Step:
                85%|
                           | 84555/100000 [22:45<05:14, 49.10it/s]
Training Step:
                85%|
Training Step:
                85%|
                           | 84560/100000 [22:45<05:17, 48.56it/s]
Training Step:
                85%|
                           | 84565/100000 [22:45<05:19, 48.25it/s]
Training Step:
                           | 84571/100000 [22:45<05:13, 49.23it/s]
                85%|
Training Step:
                85% I
                           | 84576/100000 [22:45<05:16, 48.81it/s]
Training Step:
                85%|
                           84582/100000 [22:45<05:11, 49.45it/s]
                           | 84588/100000 [22:45<05:08, 50.01it/s]
Training Step:
                85%|
Training Step:
                85%|
                           | 84594/100000 [22:45<05:05, 50.40it/s]
Training Step:
                           | 84600/100000 [22:46<04:59, 51.34it/s]
                85%|
Training Step:
                85%|
                           | 84606/100000 [22:46<04:49, 53.12it/s]
                           | 84612/100000 [22:46<04:45, 53.99it/s]
Training Step:
                85%|
Training Step:
                85%|
                           | 84618/100000 [22:46<04:40, 54.90it/s]
Training Step:
                85%|
                           | 84624/100000 [22:46<04:35, 55.87it/s]
                           84630/100000 [22:46<04:32, 56.41it/s]
Training Step:
                85%|
Training Step:
                85%|
                           | 84636/100000 [22:46<04:35, 55.68it/s]
                           | 84643/100000 [22:46<04:25, 57.79it/s]
Training Step:
                85%|
Training Step:
                85%|
                           | 84650/100000 [22:46<04:20, 58.91it/s]
Training Step:
                85%|
                           | 84656/100000 [22:47<04:22, 58.56it/s]
Training Step:
                85%|
                           | 84662/100000 [22:47<04:22, 58.47it/s]
                           | 84669/100000 [22:47<04:16, 59.88it/s]
Training Step:
                85%|
                           | 84676/100000 [22:47<04:15, 60.03it/s]
Training Step:
                85%|
                           | 84683/100000 [22:47<04:08, 61.61it/s]
Training Step:
                85%|
Training Step:
                85%|
                           84690/100000 [22:47<04:04, 62.71it/s]
Training Step:
                           | 84697/100000 [22:47<04:04, 62.65it/s]
                85%|
Training Step:
                85%|
                           | 84704/100000 [22:47<04:08, 61.60it/s]
Training Step:
                85%|
                           | 84712/100000 [22:47<04:00, 63.65it/s]
Training Step:
                           | 84719/100000 [22:48<03:57, 64.33it/s]
                85%|
Training Step:
                85%|
                           | 84726/100000 [22:48<03:53,
65.40it/s][INFO] Episode ended! Scenario Index: 1007 Reason:
arrive_dest.
Training Step:
                85%|
                           | 84733/100000 [22:48<04:25, 57.45it/s]
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| 84741/100000 [22:48<04:01, 63.10it/s]

Training Step:

85%|

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Training Step:
                85%|
                           | 84748/100000 [22:48<03:55, 64.69it/s]
                           | 84756/100000 [22:48<03:47, 67.06it/s]
Training Step:
                85%|
Training Step:
                85%|
                           | 84764/100000 [22:48<03:47, 67.10it/s]
Training Step:
                85%|
                           | 84772/100000 [22:48<03:46, 67.37it/s]
Training Step:
                           | 84780/100000 [22:48<03:45, 67.47it/s]
                85% I
Training Step:
                85%|
                           | 84787/100000 [22:49<03:43, 68.07it/s]
Training Step:
                85%|
                           84794/100000 [22:49<03:48, 66.57it/s]
Training Step:
                85%|
                           84801/100000 [22:49<03:49, 66.23it/s]
Training Step:
                           | 84808/100000 [22:49<03:52, 65.40it/s]
                85%|
Training Step:
                85%|
                           | 84815/100000 [22:49<03:52, 65.33it/s]
                           | 84822/100000 [22:49<03:58, 63.60it/s]
Training Step:
                85%|
Training Step:
                           | 84829/100000 [22:49<03:57, 63.75it/s]
                85%|
                           | 84836/100000 [22:49<04:00, 63.13it/s]
Training Step:
                85%|
                           | 84843/100000 [22:49<04:00, 63.07it/s]
Training Step:
                85%|
                           | 84850/100000 [22:50<04:03, 62.22it/s]
Training Step:
                85%|
                85%|
                           | 84857/100000 [22:50<03:58, 63.47it/s]
Training Step:
Training Step:
                85%|
                           | 84864/100000 [22:50<03:58, 63.34it/s]
Training Step:
                85%|
                           | 84871/100000 [22:50<04:08, 60.94it/s]
Training Step:
                           | 84878/100000 [22:50<04:01, 62.66it/s]
                85%|
Training Step:
                85% I
                           | 84885/100000 [22:50<03:54, 64.42it/s]
Training Step:
                85%|
                           84892/100000 [22:50<03:53, 64.72it/s]
                           | 84899/100000 [22:50<03:53, 64.75it/s]
Training Step:
                85%|
Training Step:
                85%|
                           | 84906/100000 [22:50<04:08, 60.86it/s]
Training Step:
                           | 84913/100000 [22:51<04:11, 59.92it/s]
                85%|
Training Step:
                85%|
                           | 84920/100000 [22:51<04:28, 56.15it/s]
                           | 84926/100000 [22:51<04:40, 53.83it/s]
Training Step:
                85%|
Training Step:
                85%|
                           | 84932/100000 [22:51<04:48, 52.20it/s]
                           | 84938/100000 [22:51<04:52, 51.43it/s]
Training Step:
                85%|
                           | 84944/100000 [22:51<04:52, 51.39it/s]
Training Step:
                85%|
Training Step:
                85%|
                           | 84950/100000 [22:51<04:50, 51.75it/s]
Training Step:
                85%|
                           | 84956/100000 [22:51<04:50, 51.74it/s]
Training Step:
                85%|
                           | 84962/100000 [22:52<04:57, 50.57it/s]
Training Step:
                85%|
                           | 84968/100000 [22:52<05:00, 50.08it/s]
Training Step:
                85%|
                           | 84974/100000 [22:52<05:01, 49.86it/s]
Training Step:
                           | 84980/100000 [22:52<05:03, 49.47it/s]
                85%|
                           | 84986/100000 [22:52<05:06, 49.00it/s]
Training Step:
                85%|
Training Step:
                           | 84991/100000 [22:52<05:06, 49.04it/s]
                85%|
Training Step:
                85%|
                           84996/100000 [22:52<05:08, 48.65it/s]
Training Step:
                           | 85002/100000 [22:52<05:06, 49.01it/s]
                85%|
Training Step:
                85%|
                           | 85008/100000 [22:53<05:06, 48.94it/s]
Training Step:
                85%|
                           | 85013/100000 [22:53<05:06, 48.83it/s]
Training Step:
                           | 85019/100000 [22:53<05:00, 49.84it/s]
                85%|
Training Step:
                85%|
                           | 85024/100000 [22:53<05:05, 49.08it/s]
                           | 85030/100000 [22:53<05:00, 49.76it/s]
Training Step:
                85%|
Training Step:
                85%|
                           | 85036/100000 [22:53<04:58, 50.10it/s]
Training Step:
                85%|
                           | 85042/100000 [22:53<04:58, 50.07it/s]
Training Step:
                85%|
                           | 85048/100000 [22:53<04:56, 50.43it/s]
Training Step:
                85%|
                           | 85054/100000 [22:53<04:54, 50.69it/s]
```

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Training Step:
                85%|
                           | 85060/100000 [22:54<04:52, 51.00it/s]
Training Step:
                85%|
                           | 85066/100000 [22:54<04:51, 51.22it/s]
Training Step:
                85%|
                           | 85072/100000 [22:54<04:56, 50.33it/s]
Training Step:
                85%|
                           | 85078/100000 [22:54<04:57, 50.14it/s]
Training Step:
                           | 85084/100000 [22:54<04:58, 49.90it/s]
                85% I
Training Step:
                85%|
                           | 85090/100000 [22:54<04:50, 51.34it/s]
Training Step:
                85%|
                           | 85096/100000 [22:54<04:48, 51.59it/s]
Training Step:
                85%|
                           | 85102/100000 [22:54<04:44, 52.38it/s]
Training Step:
                           | 85108/100000 [22:54<04:40, 53.01it/s]
                85%|
Training Step:
                85%|
                           | 85115/100000 [22:55<04:27, 55.54it/s]
                           | 85121/100000 [22:55<04:23, 56.45it/s]
Training Step:
                85%|
Training Step:
                           | 85127/100000 [22:55<04:35, 53.96it/s]
                85%|
                           | 85133/100000 [22:55<04:30, 54.99it/s]
Training Step:
                85%|
Training Step:
                           85139/100000 [22:55<04:27, 55.65it/s]
                85%|
                           | 85146/100000 [22:55<04:20, 57.07it/s]
Training Step:
                85%|
Training Step:
                85%|
                           | 85152/100000 [22:55<04:18, 57.41it/s]
Training Step:
                85%|
                           | 85158/100000 [22:55<04:17, 57.68it/s]
Training Step:
                85%|
                           | 85165/100000 [22:55<04:10, 59.13it/s]
Training Step:
                85%|
                           | 85172/100000 [22:56<04:05, 60.41it/s]
Training Step:
                85% l
                           | 85179/100000 [22:56<03:59, 61.96it/s]
Training Step:
                85%|
                           | 85186/100000 [22:56<03:58, 62.02it/s]
Training Step:
                85%|
                           85193/100000 [22:56<03:58,
62.20it/s][INFO] Episode ended! Scenario Index: 1013 Reason:
arrive_dest.
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| 85200/100000 [22:56<04:45, 51.87it/s] Training Step: 85%| Training Step: 85%| | 85207/100000 [22:56<04:25, 55.61it/s] | 85214/100000 [22:56<04:11, 58.69it/s] Training Step: 85%| | 85221/100000 [22:56<03:59, 61.65it/s] Training Step: 85%| Training Step: 85%| | 85228/100000 [22:57<04:02, 60.94it/s] Training Step: 85%| | 85235/100000 [22:57<04:00, 61.42it/s] Training Step: 85%| | 85242/100000 [22:57<04:03, 60.73it/s] Training Step: 85%| | 85249/100000 [22:57<03:58, 61.79it/s] Training Step: 85%| | 85256/100000 [22:57<04:00, 61.43it/s] Training Step: | 85263/100000 [22:57<04:05, 60.07it/s] 85%| | 85270/100000 [22:57<04:18, 56.92it/s] Training Step: 85%| Training Step: | 85277/100000 [22:57<04:14, 57.79it/s] 85%| Training Step: 85%| | 85283/100000 [22:57<04:16, 57.46it/s] Training Step: | 85289/100000 [22:58<04:18, 56.84it/s] 85%| Training Step: 85%| | 85295/100000 [22:58<04:21, 56.26it/s] Training Step: 85%| | 85301/100000 [22:58<04:22, 56.05it/s] Training Step: 85%| | 85307/100000 [22:58<04:22, 55.91it/s] Training Step: 85%| | 85313/100000 [22:58<04:23, 55.80it/s] | 85319/100000 [22:58<04:22, 55.86it/s] Training Step: 85%| Training Step: 85%| | 85325/100000 [22:58<04:25, 55.29it/s] Training Step: 85%| | 85331/100000 [22:58<04:26, 55.06it/s] Training Step: 85%| | 85337/100000 [22:58<04:25, 55.28it/s] Training Step: 85%| | 85343/100000 [22:59<04:20, 56.29it/s]

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Training Step:
                85%|
                           | 85349/100000 [22:59<04:18, 56.70it/s]
                           | 85355/100000 [22:59<04:20, 56.20it/s]
Training Step:
                85%|
Training Step:
                85%|
                           | 85362/100000 [22:59<04:15, 57.20it/s]
Training Step:
                85%|
                           | 85368/100000 [22:59<04:14, 57.43it/s]
Training Step:
                           | 85375/100000 [22:59<04:09, 58.67it/s]
                85% I
Training Step:
                85%|
                           | 85381/100000 [22:59<04:08, 58.88it/s]
Training Step:
                85%|
                           | 85387/100000 [22:59<04:26, 54.81it/s]
Training Step:
                85%|
                           | 85393/100000 [22:59<04:41, 51.96it/s]
Training Step:
                           | 85399/100000 [23:00<04:53, 49.74it/s]
                85%|
Training Step:
                85%|
                           | 85405/100000 [23:00<05:07, 47.48it/s]
                           | 85410/100000 [23:00<05:15, 46.20it/s]
Training Step:
                85%|
Training Step:
                           | 85415/100000 [23:00<05:14, 46.34it/s]
                85%|
                           | 85420/100000 [23:00<05:20, 45.50it/s]
Training Step:
                85%|
Training Step:
                           | 85425/100000 [23:00<05:21, 45.37it/s]
                85%|
                           | 85430/100000 [23:00<05:25, 44.81it/s]
Training Step:
                85%|
Training Step:
                85%|
                           | 85435/100000 [23:00<05:27, 44.52it/s]
Training Step:
                85%|
                           | 85440/100000 [23:01<05:43, 42.41it/s]
Training Step:
                85%|
                           | 85445/100000 [23:01<05:46, 42.03it/s]
Training Step:
                           | 85450/100000 [23:01<05:43, 42.39it/s]
                85%|
Training Step:
                85%1
                           | 85455/100000 [23:01<05:44, 42.27it/s]
Training Step:
                85%|
                           | 85460/100000 [23:01<05:44, 42.20it/s]
                           | 85465/100000 [23:01<05:46, 41.93it/s]
Training Step:
                85%|
Training Step:
                85%|
                           | 85470/100000 [23:01<05:46, 41.96it/s]
Training Step:
                           | 85476/100000 [23:01<05:31, 43.83it/s]
                85%|
Training Step:
                85%|
                           | 85482/100000 [23:02<05:19, 45.44it/s]
                           | 85487/100000 [23:02<05:12, 46.51it/s]
Training Step:
                85%|
Training Step:
                85%|
                           | 85492/100000 [23:02<05:14, 46.20it/s]
Training Step:
                85%|
                           | 85498/100000 [23:02<05:21, 45.16it/s]
                           | 85504/100000 [23:02<05:16, 45.81it/s]
Training Step:
                86%1
Training Step:
                86%1
                           | 85510/100000 [23:02<05:06, 47.27it/s]
Training Step:
                86%1
                           | 85516/100000 [23:02<04:56, 48.79it/s]
Training Step:
                86%|
                           | 85522/100000 [23:02<04:49, 49.97it/s]
Training Step:
                86%1
                           | 85528/100000 [23:02<04:48, 50.18it/s]
Training Step:
                86%|
                           | 85534/100000 [23:03<04:45, 50.64it/s]
Training Step:
                           | 85540/100000 [23:03<04:45, 50.72it/s]
                86%|
                           | 85546/100000 [23:03<04:46, 50.43it/s]
Training Step:
                86%|
Training Step:
                           | 85552/100000 [23:03<04:43, 51.02it/s]
                86%|
Training Step:
                86%|
                           | 85558/100000 [23:03<04:35, 52.45it/s]
Training Step:
                           | 85564/100000 [23:03<04:28, 53.70it/s]
                86%|
Training Step:
                86%|
                           | 85570/100000 [23:03<04:27, 54.01it/s]
Training Step:
                86%|
                           | 85577/100000 [23:03<04:15, 56.48it/s]
Training Step:
                86%1
                           | 85584/100000 [23:03<04:05, 58.61it/s]
Training Step:
                86%|
                           | 85591/100000 [23:04<04:00, 59.84it/s]
Training Step:
                           | 85598/100000 [23:04<03:58, 60.47it/s]
                86%1
Training Step:
                86%1
                           | 85605/100000 [23:04<03:55, 61.23it/s]
Training Step:
                86%1
                           | 85612/100000 [23:04<03:53, 61.62it/s]
Training Step:
                86%|
                           | 85619/100000 [23:04<03:46, 63.48it/s]
Training Step:
                86%1
                           | 85626/100000 [23:04<03:45, 63.70it/s]
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Training Step:
                           | 85633/100000 [23:04<03:43, 64.39it/s]
                86%|
Training Step:
                86%|
                           | 85640/100000 [23:04<03:46, 63.29it/s]
Training Step:
                86%1
                           | 85647/100000 [23:04<03:50, 62.20it/s]
Training Step:
                86%|
                           | 85654/100000 [23:05<03:50,
62.29it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
arrive dest.
Training Step:
                86%|
                           | 85662/100000 [23:05<04:05, 58.49it/s]
Training Step:
                           | 85669/100000 [23:05<03:55, 60.75it/s]
                86%|
Training Step:
                86%|
                           | 85676/100000 [23:05<03:51, 61.78it/s]
                           | 85683/100000 [23:05<03:45, 63.49it/s]
Training Step:
                86%|
Training Step:
                           | 85690/100000 [23:05<03:48, 62.58it/s]
                86%1
                           | 85697/100000 [23:05<03:42, 64.27it/s]
Training Step:
                86%|
                           | 85704/100000 [23:05<03:44, 63.73it/s]
Training Step:
                86%1
                           | 85711/100000 [23:05<03:41, 64.40it/s]
Training Step:
                86%1
                           | 85718/100000 [23:06<03:42, 64.09it/s]
Training Step:
                86%1
Training Step:
                86%|
                           | 85725/100000 [23:06<03:40, 64.75it/s]
Training Step:
                86%1
                           | 85732/100000 [23:06<03:42, 64.06it/s]
Training Step:
                           | 85739/100000 [23:06<03:43, 63.76it/s]
                86%|
Training Step:
                86%1
                           | 85746/100000 [23:06<03:41, 64.42it/s]
Training Step:
                86%|
                           | 85753/100000 [23:06<03:38, 65.08it/s]
Training Step:
                           | 85760/100000 [23:06<03:54, 60.77it/s]
                86%|
Training Step:
                86%|
                           | 85767/100000 [23:06<03:49, 61.93it/s]
Training Step:
                           | 85774/100000 [23:06<04:00, 59.11it/s]
                86%|
Training Step:
                86%|
                           | 85780/100000 [23:07<04:09, 57.07it/s]
                           | 85786/100000 [23:07<04:14, 55.91it/s]
Training Step:
                86%|
                           | 85792/100000 [23:07<04:27, 53.14it/s]
Training Step:
                86%1
                           | 85798/100000 [23:07<04:30, 52.59it/s]
Training Step:
                86%|
                           | 85804/100000 [23:07<04:26, 53.34it/s]
Training Step:
                86%1
Training Step:
                86%1
                           | 85810/100000 [23:07<04:27, 52.96it/s]
Training Step:
                           | 85816/100000 [23:07<04:23, 53.88it/s]
                86%1
Training Step:
                86%|
                           | 85822/100000 [23:07<04:22, 53.91it/s]
Training Step:
                86%|
                           | 85828/100000 [23:08<04:23, 53.81it/s]
Training Step:
                86%|
                           | 85834/100000 [23:08<04:27, 52.89it/s]
Training Step:
                           | 85840/100000 [23:08<04:31, 52.13it/s]
                86%|
                           | 85846/100000 [23:08<04:31, 52.06it/s]
Training Step:
                86%|
Training Step:
                           | 85852/100000 [23:08<04:30, 52.29it/s]
                86%|
Training Step:
                86%|
                           | 85858/100000 [23:08<04:24, 53.56it/s]
Training Step:
                           | 85864/100000 [23:08<04:23, 53.69it/s]
                86%|
Training Step:
                86%|
                           | 85870/100000 [23:08<04:21, 54.09it/s]
Training Step:
                86%|
                           | 85876/100000 [23:08<04:21, 53.93it/s]
                           | 85882/100000 [23:09<04:20, 54.11it/s]
Training Step:
                86%1
Training Step:
                86%|
                           | 85888/100000 [23:09<04:20, 54.24it/s]
                           | 85894/100000 [23:09<04:20, 54.09it/s]
Training Step:
                86%1
                           | 85900/100000 [23:09<04:19, 54.37it/s]
Training Step:
                86%1
Training Step:
                86%1
                           | 85906/100000 [23:09<04:16, 54.88it/s]
Training Step:
                86%|
                           | 85912/100000 [23:09<04:12, 55.77it/s]
Training Step:
                86%|
                           | 85918/100000 [23:09<04:09, 56.33it/s]
```

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Training Step:
                86%|
                           | 85924/100000 [23:09<04:10, 56.22it/s]
                           | 85930/100000 [23:09<04:14, 55.34it/s]
Training Step:
                86%|
Training Step:
                86%1
                           | 85936/100000 [23:10<04:14, 55.33it/s]
Training Step:
                86%|
                           | 85942/100000 [23:10<04:23, 53.39it/s]
Training Step:
                           | 85948/100000 [23:10<04:23, 53.30it/s]
                86%1
Training Step:
                86%|
                           | 85954/100000 [23:10<04:27, 52.54it/s]
Training Step:
                86%|
                           | 85960/100000 [23:10<04:27, 52.43it/s]
Training Step:
                86%|
                           | 85966/100000 [23:10<04:25, 52.77it/s]
Training Step:
                           | 85972/100000 [23:10<04:23, 53.15it/s]
                86%|
Training Step:
                86%|
                           | 85978/100000 [23:10<04:21, 53.62it/s]
                           | 85984/100000 [23:10<04:26, 52.64it/s]
Training Step:
                86%|
Training Step:
                           | 85990/100000 [23:11<04:21, 53.56it/s]
                86%1
                           | 85996/100000 [23:11<04:21, 53.56it/s]
Training Step:
                86%|
                           | 86002/100000 [23:11<04:30, 51.73it/s]
Training Step:
                86%1
                           | 86008/100000 [23:11<04:21, 53.53it/s]
Training Step:
                86%|
Training Step:
                86%|
                           | 86014/100000 [23:11<04:13, 55.18it/s]
Training Step:
                86%|
                           | 86020/100000 [23:11<04:09, 56.09it/s]
Training Step:
                86%|
                           | 86026/100000 [23:11<04:06, 56.80it/s]
Training Step:
                86%|
                           | 86032/100000 [23:11<04:06, 56.57it/s]
Training Step:
                86%1
                           | 86039/100000 [23:11<03:54, 59.45it/s]
                           | 86046/100000 [23:12<03:47, 61.33it/s]
Training Step:
                86%|
                           | 86053/100000 [23:12<03:41.
Training Step:
                86%|
62.93it/s][INFO] Episode ended! Scenario Index: 1001 Reason:
arrive_dest.
```

| 86060/100000 [23:12<04:41, 49.50it/s] Training Step: 86%| | 86067/100000 [23:12<04:17, 54.01it/s] Training Step: 86%1 | 86074/100000 [23:12<04:03, 57.19it/s] Training Step: 86%| | 86081/100000 [23:12<04:02, 57.42it/s] Training Step: 86%1 Training Step: 86%1 | 86087/100000 [23:12<04:00, 57.95it/s] Training Step: 86%1 | 86093/100000 [23:12<03:59, 58.03it/s] | 86099/100000 [23:12<04:03, 57.09it/s] Training Step: 86%| Training Step: 86%| | 86105/100000 [23:13<04:00, 57.89it/s] Training Step: 86%| | 86111/100000 [23:13<04:03, 57.03it/s] Training Step: | 86117/100000 [23:13<04:05, 56.58it/s] 86%| | 86123/100000 [23:13<04:07, 56.12it/s] Training Step: 86%| Training Step: | 86129/100000 [23:13<04:09, 55.64it/s] 86%| Training Step: 86%| | 86135/100000 [23:13<04:07, 56.11it/s] Training Step: | 86141/100000 [23:13<04:13, 54.72it/s] 86%| Training Step: 86%| | 86147/100000 [23:13<04:12, 54.81it/s] Training Step: 86%| | 86153/100000 [23:13<04:09, 55.49it/s] Training Step: 86%1 86159/100000 [23:14<04:06, 56.08it/s] Training Step: 86%| | 86165/100000 [23:14<04:12, 54.85it/s] Training Step: 86171/100000 [23:14<04:15, 54.17it/s] 86%1 | 86177/100000 [23:14<04:22, 52.71it/s] Training Step: 86%1 Training Step: 86%1 | 86183/100000 [23:14<04:23, 52.52it/s] Training Step: 86%| | 86189/100000 [23:14<04:23, 52.42it/s] Training Step: 86%| | 86195/100000 [23:14<04:25, 51.94it/s]

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Training Step:
                86%1
                           | 86201/100000 [23:14<04:29, 51.21it/s]
                           | 86207/100000 [23:14<04:25, 51.89it/s]
Training Step:
                86%|
Training Step:
                86%1
                           | 86213/100000 [23:15<04:18, 53.37it/s]
Training Step:
                86%|
                           | 86219/100000 [23:15<04:20, 53.00it/s]
Training Step:
                           | 86225/100000 [23:15<04:23, 52.34it/s]
                86%1
Training Step:
                86%|
                           | 86231/100000 [23:15<04:37, 49.69it/s]
Training Step:
                86%|
                           | 86237/100000 [23:15<04:34, 50.16it/s]
Training Step:
                86%|
                           86243/100000 [23:15<04:36, 49.74it/s]
Training Step:
                           | 86249/100000 [23:15<04:33, 50.32it/s]
                86%|
Training Step:
                86%|
                           | 86255/100000 [23:15<04:32, 50.47it/s]
                           | 86261/100000 [23:16<04:24, 51.90it/s]
Training Step:
                86%|
Training Step:
                           | 86267/100000 [23:16<04:26, 51.46it/s]
                86%1
                           | 86273/100000 [23:16<04:25, 51.67it/s]
Training Step:
                86%|
Training Step:
                           86279/100000 [23:16<04:30, 50.64it/s]
                86%1
                           | 86285/100000 [23:16<04:40, 48.84it/s]
Training Step:
                86%1
Training Step:
                86%1
                           | 86290/100000 [23:16<04:46, 47.88it/s]
Training Step:
                86%|
                           | 86295/100000 [23:16<04:44, 48.16it/s]
Training Step:
                86%1
                           | 86300/100000 [23:16<04:46, 47.88it/s]
Training Step:
                           | 86305/100000 [23:16<04:50, 47.16it/s]
                86%|
Training Step:
                86%1
                           | 86310/100000 [23:17<05:06, 44.71it/s]
Training Step:
                86%|
                           86315/100000 [23:17<05:16, 43.23it/s]
                           | 86320/100000 [23:17<05:27, 41.81it/s]
Training Step:
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Training Step:
                86%|
                           | 86325/100000 [23:17<05:30, 41.35it/s]
Training Step:
                           | 86330/100000 [23:17<05:39, 40.26it/s]
                86%|
Training Step:
                86%|
                           | 86335/100000 [23:17<05:40, 40.08it/s]
                           | 86340/100000 [23:17<05:43, 39.77it/s]
Training Step:
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Training Step:
                86%1
                           | 86345/100000 [23:17<05:39, 40.22it/s]
Training Step:
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                           | 86350/100000 [23:18<05:39, 40.21it/s]
                           | 86355/100000 [23:18<05:43, 39.78it/s]
Training Step:
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Training Step:
                86%1
                           | 86359/100000 [23:18<05:43, 39.73it/s]
Training Step:
                86%1
                           | 86364/100000 [23:18<05:42, 39.84it/s]
                           | 86369/100000 [23:18<05:38, 40.27it/s]
Training Step:
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Training Step:
                86%1
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Training Step:
                86%|
                           | 86378/100000 [23:18<05:44, 39.55it/s]
Training Step:
                           | 86382/100000 [23:18<05:43, 39.66it/s]
                86%|
                           | 86387/100000 [23:19<05:34, 40.64it/s]
Training Step:
                86%|
Training Step:
                           | 86392/100000 [23:19<05:32, 40.96it/s]
                86%|
Training Step:
                86%|
                           86397/100000 [23:19<05:31, 41.08it/s]
Training Step:
                           | 86402/100000 [23:19<05:32, 40.95it/s]
                86%|
Training Step:
                86%|
                           | 86407/100000 [23:19<05:29, 41.27it/s]
Training Step:
                86%|
                           | 86412/100000 [23:19<05:39, 40.08it/s]
Training Step:
                86%1
                           | 86417/100000 [23:19<05:33, 40.75it/s]
Training Step:
                86%|
                           | 86422/100000 [23:19<05:34, 40.62it/s]
Training Step:
                           86427/100000 [23:19<05:24, 41.86it/s]
                86%1
                           | 86432/100000 [23:20<05:21, 42.22it/s]
Training Step:
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Training Step:
                86%1
                           | 86437/100000 [23:20<05:16, 42.81it/s]
Training Step:
                86%1
                           | 86442/100000 [23:20<05:15, 43.03it/s]
Training Step:
                86%1
                           | 86447/100000 [23:20<05:02, 44.74it/s]
```

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Training Step:
                86%|
                          | 86452/100000 [23:20<04:58, 45.32it/s]
                          | 86457/100000 [23:20<04:52, 46.24it/s]
Training Step:
                86%|
Training Step:
                86%1
                          | 86462/100000 [23:20<04:51, 46.38it/s]
Training Step:
                86%|
                          | 86468/100000 [23:20<04:46, 47.30it/s]
Training Step:
                          | 86474/100000 [23:20<04:41, 48.02it/s]
                86%1
Training Step:
                86%|
                          | 86480/100000 [23:21<04:41, 48.09it/s]
                          | 86485/100000 [23:21<04:39, 48.38it/s]
Training Step:
                86%|
Training Step:
                86%|
                          86491/100000 [23:21<04:30, 49.93it/s]
Training Step:
                          | 86496/100000 [23:21<04:36, 48.87it/s]
                86%|
Training Step:
                87%|
                          | 86502/100000 [23:21<04:31, 49.75it/s]
                87%|
                          | 86508/100000 [23:21<04:29, 50.09it/s]
Training Step:
Training Step:
                          | 86514/100000 [23:21<04:25, 50.85it/s]
                87%|
                          | 86520/100000 [23:21<04:17, 52.35it/s]
Training Step:
                87%|
Training Step:
                          86526/100000 [23:21<04:13, 53.14it/s]
                87%|
                          | 86533/100000 [23:22<04:02, 55.52it/s]
Training Step:
                87%|
Training Step:
                87%|
                          | 86540/100000 [23:22<03:57, 56.77it/s]
Training Step:
                87%|
                          | 86547/100000 [23:22<03:47, 59.10it/s]
Training Step:
                87%|
                          | 86554/100000 [23:22<03:37, 61.94it/s]
Training Step:
                87%|
                          | 86561/100000 [23:22<03:42, 60.46it/s]
Training Step:
                87%1
                          | 86568/100000 [23:22<03:34, 62.74it/s]
Training Step:
                87%1
                          86576/100000 [23:22<03:20, 67.03it/s]
                          | 86585/100000 [23:22<03:04.
Training Step:
                87%|
72.54it/s][INFO] Episode ended! Scenario Index: 1006 Reason:
arrive_dest.
```

| 86593/100000 [23:23<03:46, 59.24it/s] Training Step: 87%| Training Step: 87%| | 86600/100000 [23:23<03:43, 59.97it/s] | 86607/100000 [23:23<03:42, 60.22it/s] Training Step: 87%| | 86614/100000 [23:23<03:44, 59.57it/s] Training Step: 87%| Training Step: 87%| | 86621/100000 [23:23<03:57, 56.42it/s] Training Step: 87%| | 86627/100000 [23:23<04:04, 54.71it/s] Training Step: 87%| | 86633/100000 [23:23<04:11, 53.08it/s] Training Step: 87%| | 86639/100000 [23:23<04:17, 51.95it/s] Training Step: 87%| | 86645/100000 [23:24<04:17, 51.88it/s] Training Step: | 86651/100000 [23:24<04:17, 51.83it/s] 87%| | 86657/100000 [23:24<04:19, 51.41it/s] Training Step: 87%| Training Step: | 86663/100000 [23:24<04:22, 50.86it/s] 87%| Training Step: 87%| 86669/100000 [23:24<04:22, 50.84it/s] Training Step: | 86675/100000 [23:24<04:27, 49.72it/s] 87%| | 86680/100000 [23:24<04:35, 48.41it/s] Training Step: 87%| Training Step: 87%| | 86685/100000 [23:24<04:34, 48.57it/s] Training Step: 87%| 86690/100000 [23:24<04:35, 48.37it/s] Training Step: 87%| | 86696/100000 [23:25<04:28, 49.64it/s] Training Step: 86702/100000 [23:25<04:22, 50.56it/s] 87%| | 86708/100000 [23:25<04:19, 51.19it/s] Training Step: 87%| Training Step: 87%| | 86714/100000 [23:25<04:17, 51.56it/s] Training Step: 87%| | 86720/100000 [23:25<04:23, 50.46it/s] Training Step: 87%| | 86726/100000 [23:25<04:22, 50.63it/s]

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Training Step:
                87%|
                           | 86732/100000 [23:25<04:17, 51.60it/s]
                           | 86738/100000 [23:25<04:23, 50.31it/s]
Training Step:
                87%|
Training Step:
                87%|
                           | 86744/100000 [23:25<04:24, 50.09it/s]
Training Step:
                87%|
                           | 86750/100000 [23:26<04:33, 48.38it/s]
Training Step:
                           | 86756/100000 [23:26<04:27, 49.45it/s]
                87%1
Training Step:
                87%|
                           | 86762/100000 [23:26<04:27, 49.55it/s]
Training Step:
                87%|
                           | 86768/100000 [23:26<04:24, 50.06it/s]
Training Step:
                87%|
                           86774/100000 [23:26<04:21, 50.55it/s]
Training Step:
                           | 86780/100000 [23:26<04:20, 50.66it/s]
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Training Step:
                87%|
                           | 86786/100000 [23:26<04:19, 50.99it/s]
                           | 86792/100000 [23:26<04:17, 51.34it/s]
Training Step:
                87%|
Training Step:
                           | 86798/100000 [23:27<04:17, 51.19it/s]
                87%|
                           | 86804/100000 [23:27<04:18, 51.09it/s]
Training Step:
                87%|
Training Step:
                           86810/100000 [23:27<04:19, 50.76it/s]
                87%|
                           | 86816/100000 [23:27<04:37, 47.54it/s]
Training Step:
                87%|
Training Step:
                87%|
                           | 86822/100000 [23:27<04:34, 48.08it/s]
Training Step:
                87%|
                           | 86828/100000 [23:27<04:33, 48.17it/s]
Training Step:
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                           | 86834/100000 [23:27<04:30, 48.74it/s]
Training Step:
                           | 86840/100000 [23:27<04:23, 50.03it/s]
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Training Step:
                87%1
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Training Step:
                87%|
                           | 86852/100000 [23:28<04:18, 50.86it/s]
Training Step:
                           | 86858/100000 [23:28<04:19, 50.73it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
                87%|
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                           | 86894/100000 [23:28<04:18, 50.80it/s]
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Training Step:
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Training Step:
                87%|
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Training Step:
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                           | 86912/100000 [23:29<04:17, 50.92it/s]
Training Step:
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                           | 86918/100000 [23:29<04:23, 49.57it/s]
Training Step:
                87%|
                           | 86923/100000 [23:29<04:23, 49.55it/s]
Training Step:
                87%|
                           | 86928/100000 [23:29<04:31, 48.23it/s]
Training Step:
                           | 86933/100000 [23:29<04:34, 47.55it/s]
                87%|
                           | 86938/100000 [23:29<04:41, 46.48it/s]
Training Step:
                87%|
Training Step:
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Training Step:
                87%|
                           | 86948/100000 [23:30<04:42, 46.24it/s]
Training Step:
                           | 86953/100000 [23:30<04:38, 46.77it/s]
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Training Step:
                87%|
                           | 86958/100000 [23:30<04:43, 45.99it/s]
Training Step:
                87%|
                           | 86963/100000 [23:30<04:39, 46.72it/s]
Training Step:
                87%|
                           | 86968/100000 [23:30<04:37, 46.99it/s]
Training Step:
                87%|
                           | 86973/100000 [23:30<04:36, 47.04it/s]
Training Step:
                           86978/100000 [23:30<04:39, 46.55it/s]
                87%|
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Training Step:
                87%|
Training Step:
                87%|
                           86988/100000 [23:30<04:34, 47.37it/s]
Training Step:
                87%|
                           | 86993/100000 [23:31<04:34, 47.31it/s]
Training Step:
                87%|
                           | 86998/100000 [23:31<04:37, 46.87it/s]
```

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                           | 87009/100000 [23:31<04:34, 47.35it/s]
Training Step:
                87%|
Training Step:
                87%|
                           | 87014/100000 [23:31<04:36, 46.89it/s]
Training Step:
                87%|
                           | 87019/100000 [23:31<04:34, 47.34it/s]
Training Step:
                           | 87024/100000 [23:31<04:39, 46.42it/s]
                87%1
Training Step:
                87%|
                           | 87029/100000 [23:31<04:41, 46.01it/s]
Training Step:
                87%|
                           | 87034/100000 [23:31<04:45, 45.47it/s]
Training Step:
                87%|
                           | 87039/100000 [23:32<04:39, 46.34it/s]
Training Step:
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Training Step:
                87%|
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                           | 87054/100000 [23:32<05:15, 40.99it/s]
Training Step:
                87%|
Training Step:
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Training Step:
                87%|
                           | 87064/100000 [23:32<05:18, 40.64it/s]
Training Step:
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Training Step:
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Training Step:
                87%|
                           | 87078/100000 [23:33<05:38, 38.23it/s]
Training Step:
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                           | 87082/100000 [23:33<05:46, 37.26it/s]
Training Step:
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                           | 87086/100000 [23:33<05:46, 37.31it/s]
Training Step:
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                           | 87094/100000 [23:33<05:41, 37.75it/s]
Training Step:
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                           | 87098/100000 [23:33<05:37, 38.27it/s]
Training Step:
                87%|
Training Step:
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                87%|
Training Step:
                87%|
                           | 87108/100000 [23:33<05:24, 39.68it/s]
Training Step:
                87%|
                           | 87113/100000 [23:33<05:15, 40.82it/s]
Training Step:
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                           | 87118/100000 [23:34<05:11, 41.29it/s]
                           | 87123/100000 [23:34<05:15, 40.78it/s]
Training Step:
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Training Step:
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                           | 87128/100000 [23:34<05:21, 40.04it/s]
                           | 87133/100000 [23:34<05:22, 39.90it/s]
Training Step:
                87%|
                           | 87137/100000 [23:34<05:29, 39.06it/s]
Training Step:
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Training Step:
                87%|
                           | 87141/100000 [23:34<05:28, 39.10it/s]
Training Step:
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                           | 87146/100000 [23:34<05:18, 40.32it/s]
Training Step:
                87%|
                           | 87151/100000 [23:34<05:09, 41.49it/s]
Training Step:
                87%|
                           | 87156/100000 [23:35<05:14, 40.82it/s]
Training Step:
                87%|
                           | 87161/100000 [23:35<05:05, 42.03it/s]
Training Step:
                           | 87166/100000 [23:35<05:08, 41.60it/s]
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                           | 87171/100000 [23:35<05:05, 41.94it/s]
Training Step:
                87%|
Training Step:
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Training Step:
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Training Step:
                87%|
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Training Step:
                87%|
                           | 87196/100000 [23:35<04:47, 44.57it/s]
Training Step:
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                           | 87201/100000 [23:36<04:40, 45.69it/s]
Training Step:
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                           | 87206/100000 [23:36<04:35, 46.50it/s]
Training Step:
                           | 87212/100000 [23:36<04:29, 47.48it/s]
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Training Step:
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                           | 87218/100000 [23:36<04:21, 48.79it/s]
Training Step:
                87%|
                           | 87224/100000 [23:36<04:14, 50.22it/s]
Training Step:
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                           | 87230/100000 [23:36<04:14, 50.24it/s]
Training Step:
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                           | 87236/100000 [23:36<04:16, 49.70it/s]
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Training Step:
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                           | 87242/100000 [23:36<04:16, 49.67it/s]
Training Step:
                87%|
                           | 87248/100000 [23:36<04:18, 49.39it/s]
Training Step:
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                           | 87254/100000 [23:37<04:13, 50.33it/s]
Training Step:
                87%|
                           | 87260/100000 [23:37<04:09, 51.14it/s]
Training Step:
                           | 87266/100000 [23:37<04:04, 51.98it/s]
                87%1
Training Step:
                87%|
                           | 87272/100000 [23:37<03:56, 53.87it/s]
Training Step:
                87%|
                           | 87278/100000 [23:37<03:58, 53.34it/s]
Training Step:
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                           | 87284/100000 [23:37<03:50, 55.11it/s]
Training Step:
                           | 87291/100000 [23:37<03:40, 57.53it/s]
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Training Step:
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                           | 87297/100000 [23:37<03:39, 57.90it/s]
                           | 87304/100000 [23:37<03:32, 59.64it/s]
Training Step:
                87%|
Training Step:
                           | 87310/100000 [23:38<03:37, 58.25it/s]
                87%|
                           | 87317/100000 [23:38<03:26, 61.41it/s]
Training Step:
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                           | 87324/100000 [23:38<03:26, 61.24it/s]
Training Step:
                87%|
                           | 87331/100000 [23:38<03:19, 63.36it/s]
Training Step:
                87%|
                87%|
                           | 87338/100000 [23:38<03:14, 65.07it/s]
Training Step:
Training Step:
                87%|
                           | 87346/100000 [23:38<03:08, 67.07it/s]
Training Step:
                87%|
                           | 87354/100000 [23:38<03:02, 69.37it/s]
Training Step:
                           | 87362/100000 [23:38<02:59, 70.49it/s]
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Training Step:
                87%1
                           | 87370/100000 [23:38<02:58, 70.57it/s]
Training Step:
                87%|
                           | 87378/100000 [23:39<02:56, 71.49it/s]
                           | 87387/100000 [23:39<02:47, 75.23it/s]
Training Step:
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Training Step:
                87%|
                           | 87396/100000 [23:39<02:44, 76.52it/s]
Training Step:
                87%|
                           | 87405/100000 [23:39<02:38, 79.37it/s]
Training Step:
                87%|
                           | 87414/100000 [23:39<02:38,
79.26it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
arrive_dest.
```

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Training Step:
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                           | 87548/100000 [23:42<04:32, 45.64it/s]
Training Step:
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                           | 87553/100000 [23:42<04:33, 45.58it/s]
Training Step:
                           | 87558/100000 [23:42<04:26, 46.63it/s]
                88%1
Training Step:
                88%|
                           | 87563/100000 [23:42<04:22, 47.32it/s]
Training Step:
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                           | 87568/100000 [23:42<04:21, 47.60it/s]
Training Step:
                88%|
                           | 87573/100000 [23:42<04:18, 48.01it/s]
Training Step:
                           | 87578/100000 [23:42<04:25, 46.82it/s]
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Training Step:
                88%|
                           | 87583/100000 [23:42<04:22, 47.29it/s]
                           | 87588/100000 [23:43<04:31, 45.79it/s]
Training Step:
                88%|
Training Step:
                           | 87593/100000 [23:43<04:32, 45.60it/s]
                88%|
                           | 87598/100000 [23:43<04:50, 42.73it/s]
Training Step:
                88%|
Training Step:
                           | 87603/100000 [23:43<04:58, 41.59it/s]
                88%|
                           | 87608/100000 [23:43<05:05, 40.54it/s]
Training Step:
                88%|
Training Step:
                88%|
                           | 87613/100000 [23:43<05:04, 40.67it/s]
Training Step:
                88%|
                           | 87618/100000 [23:43<05:09, 39.98it/s]
Training Step:
                88%|
                           | 87623/100000 [23:43<05:01, 41.07it/s]
Training Step:
                88%|
                           | 87628/100000 [23:43<04:56, 41.76it/s]
Training Step:
                88%1
                           | 87633/100000 [23:44<04:53, 42.19it/s]
Training Step:
                88%|
                           87638/100000 [23:44<04:59, 41.33it/s]
Training Step:
                           | 87643/100000 [23:44<04:55, 41.86it/s]
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Training Step:
                88%|
                           87648/100000 [23:44<04:54, 42.01it/s]
Training Step:
                88%|
                           | 87653/100000 [23:44<04:51, 42.33it/s]
Training Step:
                88%|
                           | 87658/100000 [23:44<04:55, 41.71it/s]
                           | 87663/100000 [23:44<04:57, 41.49it/s]
Training Step:
                88%|
                           | 87668/100000 [23:44<04:57, 41.44it/s]
Training Step:
                88%|
                           | 87673/100000 [23:45<04:46, 43.01it/s]
Training Step:
                88%|
                           | 87678/100000 [23:45<04:46, 42.99it/s]
Training Step:
                88%|
Training Step:
                88%|
                           | 87683/100000 [23:45<04:42, 43.64it/s]
Training Step:
                88%|
                           | 87688/100000 [23:45<04:42, 43.59it/s]
Training Step:
                88%|
                           | 87693/100000 [23:45<04:44, 43.27it/s]
Training Step:
                88%|
                           | 87698/100000 [23:45<04:46, 43.01it/s]
Training Step:
                88%|
                           | 87703/100000 [23:45<04:39, 43.94it/s]
Training Step:
                           | 87708/100000 [23:45<04:40, 43.80it/s]
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Training Step:
                88%|
                           87713/100000 [23:45<04:41,
43.59it/s][INFO] Episode ended! Scenario Index: 1018 Reason:
out of road.
Training Step:
                88%|
                           | 87718/100000 [23:46<05:19, 38.43it/s]
Training Step:
                88%|
                           | 87725/100000 [23:46<04:27, 45.91it/s]
                           | 87732/100000 [23:46<03:56, 51.91it/s]
Training Step:
                88%1
Training Step:
                88%|
                           | 87739/100000 [23:46<03:35, 56.79it/s]
Training Step:
                           | 87745/100000 [23:46<03:35, 56.89it/s]
                88%|
                           | 87751/100000 [23:46<03:34, 57.15it/s]
Training Step:
                88%|
Training Step:
                88%|
                           | 87757/100000 [23:46<03:33, 57.47it/s]
Training Step:
                88%|
                           | 87763/100000 [23:46<03:36, 56.57it/s]
Training Step:
                88%|
                           | 87769/100000 [23:46<03:37, 56.26it/s]
```

| 87538/100000 [23:41<04:30, 46.03it/s] | 87543/100000 [23:42<04:27, 46.63it/s]

Training Step:

Training Step:

88%|

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Training Step:
                88%|
                           | 87775/100000 [23:47<03:38, 55.89it/s]
                           | 87781/100000 [23:47<03:37, 56.10it/s]
Training Step:
                88%|
Training Step:
                88%1
                           | 87787/100000 [23:47<03:36, 56.41it/s]
Training Step:
                88%|
                           | 87793/100000 [23:47<03:36, 56.47it/s]
Training Step:
                           | 87799/100000 [23:47<03:42, 54.81it/s]
                88%1
Training Step:
                88%|
                           | 87805/100000 [23:47<03:40, 55.18it/s]
Training Step:
                88%|
                           | 87811/100000 [23:47<03:44, 54.41it/s]
Training Step:
                88%|
                           | 87817/100000 [23:47<03:45, 54.15it/s]
Training Step:
                           | 87823/100000 [23:47<03:43, 54.41it/s]
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Training Step:
                88%|
                           | 87829/100000 [23:48<03:45, 54.03it/s]
                           | 87835/100000 [23:48<03:56, 51.50it/s]
Training Step:
                88%|
Training Step:
                           | 87841/100000 [23:48<03:50, 52.65it/s]
                88%|
                           | 87847/100000 [23:48<03:51, 52.51it/s]
Training Step:
                88%|
                           | 87853/100000 [23:48<03:52, 52.27it/s]
Training Step:
                88%|
                           | 87859/100000 [23:48<03:49, 52.79it/s]
Training Step:
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                88%1
                           | 87865/100000 [23:48<03:51, 52.42it/s]
Training Step:
Training Step:
                88%|
                           | 87871/100000 [23:48<03:46, 53.46it/s]
Training Step:
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                           | 87877/100000 [23:48<03:48, 53.15it/s]
Training Step:
                           | 87883/100000 [23:49<03:47, 53.28it/s]
                88%|
Training Step:
                88%1
                           | 87889/100000 [23:49<03:54, 51.71it/s]
Training Step:
                88%|
                           87895/100000 [23:49<03:54, 51.58it/s]
                           | 87901/100000 [23:49<03:53, 51.76it/s]
Training Step:
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Training Step:
                88%|
                           | 87907/100000 [23:49<03:51, 52.29it/s]
Training Step:
                           | 87913/100000 [23:49<03:45, 53.66it/s]
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Training Step:
                88%|
                           | 87919/100000 [23:49<03:43, 54.07it/s]
                           | 87925/100000 [23:49<03:38, 55.26it/s]
Training Step:
                88%|
Training Step:
                88%1
                           | 87931/100000 [23:50<03:43, 54.06it/s]
                           | 87937/100000 [23:50<03:37, 55.41it/s]
Training Step:
                88%|
                           | 87943/100000 [23:50<03:40, 54.60it/s]
Training Step:
                88%|
Training Step:
                88%1
                           | 87949/100000 [23:50<03:36, 55.78it/s]
                88%1
                           | 87955/100000 [23:50<03:35, 56.02it/s]
Training Step:
Training Step:
                88%|
                           | 87961/100000 [23:50<03:32, 56.75it/s]
Training Step:
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                           | 87967/100000 [23:50<03:36, 55.58it/s]
Training Step:
                88%|
                           | 87973/100000 [23:50<03:33, 56.34it/s]
Training Step:
                           | 87979/100000 [23:50<03:31, 56.90it/s]
                88%|
                           | 87986/100000 [23:50<03:39, 54.71it/s]
Training Step:
                88%|
Training Step:
                           | 87992/100000 [23:51<03:35, 55.69it/s]
                88%|
Training Step:
                88%|
                           | 87999/100000 [23:51<03:27, 57.74it/s]
Training Step:
                           | 88005/100000 [23:51<03:37, 55.28it/s]
                88%|
Training Step:
                88%|
                           | 88011/100000 [23:51<03:34, 55.95it/s]
Training Step:
                88%|
                           | 88018/100000 [23:51<03:29, 57.19it/s]
Training Step:
                88%1
                           | 88025/100000 [23:51<03:23, 58.93it/s]
Training Step:
                88%|
                           | 88031/100000 [23:51<03:22, 59.20it/s]
                           | 88038/100000 [23:51<03:18, 60.16it/s]
Training Step:
                88%|
                           | 88045/100000 [23:51<03:19, 59.78it/s]
Training Step:
                88%1
Training Step:
                88%|
                           | 88051/100000 [23:52<03:22, 59.03it/s]
Training Step:
                88%|
                           | 88057/100000 [23:52<03:30, 56.72it/s]
Training Step:
                88%1
                           | 88063/100000 [23:52<03:36, 55.26it/s]
```

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Training Step:
                88%|
                           | 88075/100000 [23:52<03:46, 52.67it/s]
Training Step:
                88%1
                           | 88081/100000 [23:52<03:46, 52.69it/s]
Training Step:
                88%|
                           | 88087/100000 [23:52<03:47, 52.41it/s]
Training Step:
                           | 88093/100000 [23:52<03:47, 52.23it/s]
                88%1
Training Step:
                88%|
                           | 88099/100000 [23:53<03:48, 52.14it/s]
Training Step:
                88%|
                           | 88105/100000 [23:53<03:50, 51.62it/s]
Training Step:
                88%|
                           | 88111/100000 [23:53<03:52, 51.12it/s]
Training Step:
                           | 88117/100000 [23:53<03:52, 51.17it/s]
                88%|
Training Step:
                88%|
                           | 88123/100000 [23:53<03:54, 50.68it/s]
                           | 88129/100000 [23:53<03:57, 49.97it/s]
Training Step:
                88%|
Training Step:
                           | 88135/100000 [23:53<03:55, 50.36it/s]
                88%|
                           | 88141/100000 [23:53<03:50, 51.41it/s]
Training Step:
                88%|
                           | 88147/100000 [23:53<03:44, 52.87it/s]
Training Step:
                88%|
                           | 88153/100000 [23:54<03:41, 53.50it/s]
Training Step:
                88%|
                88%|
                           | 88159/100000 [23:54<03:42, 53.24it/s]
Training Step:
Training Step:
                88%|
                           | 88165/100000 [23:54<03:46, 52.36it/s]
Training Step:
                88%1
                           | 88171/100000 [23:54<03:47, 51.92it/s]
Training Step:
                           | 88177/100000 [23:54<03:45, 52.37it/s]
                88%|
Training Step:
                88%1
                           | 88183/100000 [23:54<03:39, 53.89it/s]
Training Step:
                88%|
                           88189/100000 [23:54<03:37, 54.23it/s]
                           | 88195/100000 [23:54<03:34, 55.07it/s]
Training Step:
                88%|
Training Step:
                88%|
                           | 88201/100000 [23:54<03:29, 56.31it/s]
Training Step:
                88%|
                           | 88207/100000 [23:55<03:29, 56.24it/s]
Training Step:
                88%|
                           | 88214/100000 [23:55<03:23, 58.02it/s]
Training Step:
                88%|
                           | 88221/100000 [23:55<03:15, 60.38it/s]
Training Step:
                88%|
                           | 88228/100000 [23:55<03:16, 60.05it/s]
Training Step:
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                           | 88235/100000 [23:55<03:13,
60.91it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
arrive_dest.
                           | 88242/100000 [23:55<03:46, 51.88it/s]
Training Step:
                88%|
Training Step:
                88%1
                           | 88248/100000 [23:55<03:47, 51.71it/s]
Training Step:
                88%|
                           | 88255/100000 [23:55<03:30, 55.76it/s]
Training Step:
                           | 88262/100000 [23:56<03:24, 57.48it/s]
                88%|
                           | 88268/100000 [23:56<03:22, 58.03it/s]
Training Step:
                88%|
Training Step:
                           | 88275/100000 [23:56<03:15, 60.03it/s]
                88%|
Training Step:
                88%|
                           | 88282/100000 [23:56<03:29, 55.91it/s]
Training Step:
                           | 88289/100000 [23:56<03:22, 57.92it/s]
                88%|
Training Step:
                88%|
                           | 88296/100000 [23:56<03:20, 58.43it/s]
Training Step:
                88%|
                           | 88302/100000 [23:56<03:24, 57.28it/s]
Training Step:
                88%1
                           | 88308/100000 [23:56<03:23, 57.59it/s]
Training Step:
                88%|
                           | 88314/100000 [23:56<03:23, 57.46it/s]
                           | 88320/100000 [23:57<03:23, 57.28it/s]
Training Step:
                88%|
Training Step:
                88%1
                           | 88326/100000 [23:57<03:24, 57.09it/s]
Training Step:
                88%1
                           | 88332/100000 [23:57<03:24, 56.96it/s]
Training Step:
                88%|
                           | 88338/100000 [23:57<03:26, 56.38it/s]
Training Step:
                88%|
                           | 88344/100000 [23:57<03:29, 55.67it/s]
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| 88069/100000 [23:52<03:42, 53.67it/s]

Training Step:

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Training Step:
                88%|
                           | 88350/100000 [23:57<03:32, 54.73it/s]
                           | 88356/100000 [23:57<03:31, 55.05it/s]
Training Step:
                88%|
Training Step:
                88%1
                           | 88362/100000 [23:57<03:26, 56.23it/s]
Training Step:
                88%|
                           | 88368/100000 [23:57<03:24, 56.90it/s]
Training Step:
                           | 88375/100000 [23:57<03:18, 58.66it/s]
                88%1
Training Step:
                88%|
                           | 88381/100000 [23:58<03:18, 58.57it/s]
Training Step:
                88%|
                           | 88387/100000 [23:58<03:18, 58.63it/s]
Training Step:
                88%|
                           | 88394/100000 [23:58<03:15, 59.51it/s]
Training Step:
                           | 88401/100000 [23:58<03:09, 61.11it/s]
                88%|
Training Step:
                88%|
                           | 88408/100000 [23:58<03:15, 59.41it/s]
                           | 88414/100000 [23:58<03:23, 56.91it/s]
Training Step:
                88%|
Training Step:
                           | 88420/100000 [23:58<03:35, 53.79it/s]
                88%|
                           | 88426/100000 [23:58<03:44, 51.67it/s]
Training Step:
                88%|
Training Step:
                           | 88432/100000 [23:59<03:48, 50.66it/s]
                88%|
                           | 88438/100000 [23:59<03:48, 50.54it/s]
Training Step:
                88%1
Training Step:
                88%1
                           | 88444/100000 [23:59<03:51, 49.88it/s]
Training Step:
                88%|
                           | 88450/100000 [23:59<03:50, 50.16it/s]
Training Step:
                88%1
                           | 88456/100000 [23:59<03:47, 50.67it/s]
Training Step:
                88%|
                           | 88462/100000 [23:59<03:46, 50.85it/s]
Training Step:
                88%1
                           | 88468/100000 [23:59<03:49, 50.34it/s]
Training Step:
                88%|
                           | 88474/100000 [23:59<03:51, 49.86it/s]
Training Step:
                           | 88479/100000 [23:59<03:52, 49.64it/s]
                88%|
Training Step:
                88%|
                           | 88485/100000 [24:00<03:48, 50.31it/s]
Training Step:
                88%|
                           | 88491/100000 [24:00<04:02, 47.42it/s]
Training Step:
                88%|
                           | 88496/100000 [24:00<04:06, 46.65it/s]
                           | 88501/100000 [24:00<04:03, 47.16it/s]
Training Step:
                89%1
Training Step:
                89%1
                           | 88506/100000 [24:00<04:08, 46.17it/s]
                           | 88512/100000 [24:00<04:03, 47.11it/s]
Training Step:
                89%1
                           | 88517/100000 [24:00<04:07, 46.39it/s]
Training Step:
                89%|
Training Step:
                89%1
                           | 88522/100000 [24:00<04:13, 45.29it/s]
Training Step:
                89%1
                           | 88527/100000 [24:01<04:10, 45.82it/s]
Training Step:
                89%1
                           | 88532/100000 [24:01<04:13, 45.17it/s]
Training Step:
                89%1
                           | 88537/100000 [24:01<04:11, 45.55it/s]
Training Step:
                89%|
                           | 88542/100000 [24:01<04:08, 46.20it/s]
Training Step:
                           | 88548/100000 [24:01<04:01, 47.41it/s]
                89%|
                           | 88553/100000 [24:01<04:04, 46.91it/s]
Training Step:
                89%|
Training Step:
                           | 88558/100000 [24:01<04:11, 45.50it/s]
                89%|
Training Step:
                89%1
                           | 88564/100000 [24:01<04:03, 47.02it/s]
Training Step:
                           | 88570/100000 [24:01<04:00, 47.57it/s]
                89%|
Training Step:
                89%|
                           | 88576/100000 [24:02<03:57, 48.19it/s]
Training Step:
                89%|
                           | 88582/100000 [24:02<03:53, 48.98it/s]
Training Step:
                89%1
                           | 88587/100000 [24:02<03:52, 49.12it/s]
Training Step:
                89%1
                           | 88593/100000 [24:02<03:47, 50.18it/s]
                           | 88599/100000 [24:02<03:51, 49.23it/s]
Training Step:
                89%|
                           | 88605/100000 [24:02<03:45, 50.51it/s]
Training Step:
                89%1
Training Step:
                89%1
                           | 88611/100000 [24:02<03:43, 51.00it/s]
Training Step:
                89%|
                           | 88617/100000 [24:02<03:41, 51.49it/s]
Training Step:
                89%|
                           | 88623/100000 [24:02<03:38, 51.96it/s]
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Training Step:
                89%|
                           | 88629/100000 [24:03<03:32, 53.57it/s]
Training Step:
                89%|
                           | 88635/100000 [24:03<03:31, 53.71it/s]
Training Step:
                89%1
                           | 88641/100000 [24:03<03:29, 54.11it/s]
Training Step:
                89%|
                           | 88647/100000 [24:03<03:26, 54.97it/s]
Training Step:
                           | 88653/100000 [24:03<03:25, 55.20it/s]
                89%1
Training Step:
                89%|
                           | 88659/100000 [24:03<03:25, 55.23it/s]
Training Step:
                89%|
                           | 88665/100000 [24:03<03:31, 53.55it/s]
Training Step:
                89%|
                           | 88671/100000 [24:03<03:25, 55.05it/s]
Training Step:
                           | 88677/100000 [24:03<03:22, 55.82it/s]
                89%|
Training Step:
                89%|
                           | 88683/100000 [24:04<03:18, 56.95it/s]
                           | 88690/100000 [24:04<03:15, 57.88it/s]
Training Step:
                89%|
                           | 88697/100000 [24:04<03:09, 59.53it/s]
Training Step:
                89%|
Training Step:
                89%|
                           | 88704/100000 [24:04<03:09,
59.47it/s][INFO] Episode ended! Scenario Index: 1013 Reason:
arrive_dest.
Training Step:
                89%|
                           | 88710/100000 [24:04<03:36, 52.24it/s]
Training Step:
                89%1
                           | 88718/100000 [24:04<03:17, 57.18it/s]
Training Step:
                89%|
                           | 88725/100000 [24:04<03:07, 60.06it/s]
Training Step:
                89%1
                           | 88732/100000 [24:04<03:05, 60.79it/s]
Training Step:
                89%|
                           | 88740/100000 [24:04<02:58, 63.07it/s]
                           | 88747/100000 [24:05<02:57, 63.40it/s]
Training Step:
                89%|
Training Step:
                89%|
                           | 88754/100000 [24:05<02:54, 64.35it/s]
Training Step:
                           | 88761/100000 [24:05<03:05, 60.52it/s]
                89%|
Training Step:
                89%|
                           | 88768/100000 [24:05<03:04, 60.94it/s]
                           | 88775/100000 [24:05<03:02, 61.52it/s]
Training Step:
                89%1
Training Step:
                89%|
                           | 88782/100000 [24:05<03:05, 60.54it/s]
                           | 88789/100000 [24:05<03:04, 60.87it/s]
Training Step:
                89%1
                           | 88796/100000 [24:05<03:03, 61.03it/s]
Training Step:
                89%|
Training Step:
                89%1
                           | 88803/100000 [24:06<02:57, 63.12it/s]
                89%1
                           | 88810/100000 [24:06<03:01, 61.51it/s]
Training Step:
Training Step:
                89%1
                           | 88817/100000 [24:06<03:06, 59.90it/s]
Training Step:
                89%|
                           | 88824/100000 [24:06<03:12, 58.09it/s]
Training Step:
                89%|
                           | 88830/100000 [24:06<03:14, 57.53it/s]
Training Step:
                           | 88836/100000 [24:06<03:13, 57.73it/s]
                89%|
                           | 88842/100000 [24:06<03:19, 56.04it/s]
Training Step:
                89%|
                           | 88848/100000 [24:06<03:15, 56.99it/s]
Training Step:
                89%|
Training Step:
                89%1
                           | 88854/100000 [24:06<03:20, 55.62it/s]
Training Step:
                           | 88860/100000 [24:07<03:22, 55.06it/s]
                89%|
Training Step:
                89%|
                           | 88866/100000 [24:07<03:23, 54.76it/s]
Training Step:
                89%|
                           | 88872/100000 [24:07<03:26, 53.96it/s]
Training Step:
                89%1
                           | 88878/100000 [24:07<03:27, 53.71it/s]
Training Step:
                89%1
                           | 88884/100000 [24:07<03:28, 53.29it/s]
                           | 88890/100000 [24:07<03:25, 54.09it/s]
Training Step:
                89%|
                           | 88896/100000 [24:07<03:24, 54.27it/s]
Training Step:
                89%1
Training Step:
                89%|
                           | 88902/100000 [24:07<03:22, 54.88it/s]
Training Step:
                89%|
                           | 88908/100000 [24:07<03:22, 54.84it/s]
Training Step:
                89%|
                           | 88914/100000 [24:08<03:17, 56.13it/s]
```

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Training Step:
                89%1
                           | 88932/100000 [24:08<03:15, 56.49it/s]
Training Step:
                89%|
                           | 88938/100000 [24:08<03:13, 57.02it/s]
Training Step:
                           | 88944/100000 [24:08<03:16, 56.26it/s]
                89%1
Training Step:
                89%|
                           | 88950/100000 [24:08<03:15, 56.52it/s]
Training Step:
                89%|
                           | 88956/100000 [24:08<03:23, 54.39it/s]
Training Step:
                89%|
                           | 88962/100000 [24:08<03:26, 53.42it/s]
Training Step:
                           | 88968/100000 [24:09<03:25, 53.75it/s]
                89%|
Training Step:
                89%|
                           | 88974/100000 [24:09<03:21, 54.73it/s]
                           | 88980/100000 [24:09<03:23, 54.23it/s]
Training Step:
                89%|
Training Step:
                           | 88986/100000 [24:09<03:26, 53.45it/s]
                89%|
                           | 88992/100000 [24:09<03:27, 52.95it/s]
Training Step:
                89%|
                           | 88998/100000 [24:09<03:29, 52.54it/s]
Training Step:
                89%|
                           | 89004/100000 [24:09<03:25, 53.54it/s]
Training Step:
                89%|
Training Step:
                89%|
                           | 89010/100000 [24:09<03:25, 53.48it/s]
Training Step:
                89%1
                           | 89016/100000 [24:09<03:26, 53.08it/s]
Training Step:
                89%|
                           | 89022/100000 [24:10<03:29, 52.52it/s]
Training Step:
                89%|
                           | 89028/100000 [24:10<03:25, 53.40it/s]
Training Step:
                89%1
                           | 89034/100000 [24:10<03:22, 54.10it/s]
                           | 89040/100000 [24:10<03:20, 54.68it/s]
Training Step:
                89%|
Training Step:
                           | 89047/100000 [24:10<03:11, 57.21it/s]
                89%|
Training Step:
                89%|
                           | 89054/100000 [24:10<03:09, 57.88it/s]
Training Step:
                89%|
                           | 89061/100000 [24:10<03:05, 59.10it/s]
Training Step:
                89%|
                           | 89068/100000 [24:10<03:00, 60.53it/s]
                           | 89075/100000 [24:10<02:59, 60.70it/s]
Training Step:
                89%|
                           | 89082/100000 [24:11<02:57, 61.40it/s]
Training Step:
                89%|
                           | 89089/100000 [24:11<02:55, 62.23it/s]
Training Step:
                89%1
Training Step:
                           | 89096/100000 [24:11<02:55, 61.98it/s]
                89%|
Training Step:
                89%|
                           | 89103/100000 [24:11<02:56, 61.80it/s]
Training Step:
                89%|
                           | 89110/100000 [24:11<02:54, 62.35it/s]
Training Step:
                89%|
                           | 89118/100000 [24:11<02:49, 64.24it/s]
Training Step:
                89%|
                           | 89125/100000 [24:11<02:45,
65.78it/s][INFO] Episode ended! Scenario Index: 1019 Reason:
arrive dest.
                           | 89132/100000 [24:11<03:09, 57.30it/s]
Training Step:
                89%|
Training Step:
                89%|
                           | 89140/100000 [24:11<02:58, 60.71it/s]
Training Step:
                           | 89148/100000 [24:12<02:50, 63.59it/s]
                89%|
                           | 89155/100000 [24:12<02:48, 64.52it/s]
Training Step:
                89%|
Training Step:
                89%|
                           | 89162/100000 [24:12<03:00, 60.19it/s]
Training Step:
                89%1
                           89169/100000 [24:12<03:05, 58.39it/s]
Training Step:
                89%|
                           | 89175/100000 [24:12<03:05, 58.25it/s]
Training Step:
                           | 89181/100000 [24:12<03:09, 57.12it/s]
                89%|
                           | 89187/100000 [24:12<03:10, 56.90it/s]
Training Step:
                89%|
Training Step:
                89%|
                           | 89193/100000 [24:12<03:12, 56.20it/s]
Training Step:
                89%|
                           | 89199/100000 [24:12<03:13, 55.71it/s]
Training Step:
                89%|
                           | 89205/100000 [24:13<03:13, 55.82it/s]
```

| 88920/100000 [24:08<03:16, 56.29it/s]

| 88926/100000 [24:08<03:18, 55.76it/s]

Training Step:

Training Step:

89%|

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Training Step:
                89%|
                           | 89211/100000 [24:13<03:19, 54.11it/s]
                           | 89217/100000 [24:13<03:19, 53.95it/s]
Training Step:
                89%|
Training Step:
                89%1
                           | 89223/100000 [24:13<03:18, 54.33it/s]
Training Step:
                89%|
                           | 89229/100000 [24:13<03:21, 53.43it/s]
Training Step:
                           | 89235/100000 [24:13<03:21, 53.55it/s]
                89%1
Training Step:
                89%|
                           | 89241/100000 [24:13<03:23, 52.88it/s]
Training Step:
                89%|
                           | 89247/100000 [24:13<03:23, 52.84it/s]
Training Step:
                89%|
                           | 89253/100000 [24:14<03:25, 52.34it/s]
Training Step:
                           | 89259/100000 [24:14<03:20, 53.64it/s]
                89%|
Training Step:
                89%|
                           | 89265/100000 [24:14<03:21, 53.29it/s]
                           | 89271/100000 [24:14<03:22, 53.09it/s]
Training Step:
                89%1
Training Step:
                           | 89277/100000 [24:14<03:20, 53.55it/s]
                89%|
                           | 89283/100000 [24:14<03:23, 52.75it/s]
Training Step:
                89%1
                           | 89289/100000 [24:14<03:21, 53.18it/s]
Training Step:
                89%|
                           | 89295/100000 [24:14<03:23, 52.61it/s]
Training Step:
                89%1
                89%1
                           | 89301/100000 [24:14<03:24, 52.21it/s]
Training Step:
Training Step:
                89%1
                           | 89307/100000 [24:15<03:24, 52.20it/s]
Training Step:
                89%1
                           | 89313/100000 [24:15<03:20, 53.30it/s]
Training Step:
                89%|
                           | 89319/100000 [24:15<03:20, 53.38it/s]
Training Step:
                89%1
                           | 89325/100000 [24:15<03:20, 53.30it/s]
Training Step:
                89%|
                           89331/100000 [24:15<03:15, 54.46it/s]
                           | 89337/100000 [24:15<03:13, 55.24it/s]
Training Step:
                89%|
Training Step:
                89%|
                           | 89343/100000 [24:15<03:12, 55.36it/s]
Training Step:
                89%|
                           | 89349/100000 [24:15<03:11, 55.72it/s]
Training Step:
                89%|
                           | 89355/100000 [24:15<03:13, 55.06it/s]
                           | 89361/100000 [24:16<03:09, 56.14it/s]
Training Step:
                89%1
Training Step:
                89%1
                           | 89367/100000 [24:16<03:08, 56.32it/s]
                           | 89373/100000 [24:16<03:08, 56.25it/s]
Training Step:
                89%1
                           | 89379/100000 [24:16<03:07, 56.67it/s]
Training Step:
                89%|
Training Step:
                89%1
                           | 89385/100000 [24:16<03:09, 56.02it/s]
Training Step:
                89%1
                           | 89391/100000 [24:16<03:18, 53.45it/s]
Training Step:
                89%1
                           | 89397/100000 [24:16<03:19, 53.20it/s]
Training Step:
                89%|
                           | 89403/100000 [24:16<03:21, 52.61it/s]
Training Step:
                89%|
                           | 89409/100000 [24:16<03:19, 53.04it/s]
Training Step:
                           | 89415/100000 [24:16<03:14, 54.35it/s]
                89%|
                           | 89422/100000 [24:17<03:09, 55.77it/s]
Training Step:
                89%|
Training Step:
                           | 89428/100000 [24:17<03:08, 56.01it/s]
                89%|
Training Step:
                89%|
                           89435/100000 [24:17<03:03, 57.66it/s]
Training Step:
                           | 89442/100000 [24:17<03:00, 58.64it/s]
                89%|
Training Step:
                89%|
                           | 89449/100000 [24:17<02:56, 59.79it/s]
Training Step:
                89%|
                           | 89456/100000 [24:17<02:58, 59.18it/s]
Training Step:
                89%1
                           89462/100000 [24:17<03:00, 58.45it/s]
Training Step:
                89%1
                           | 89469/100000 [24:17<02:56, 59.50it/s]
                           | 89475/100000 [24:18<03:00, 58.20it/s]
Training Step:
                89%|
Training Step:
                89%1
                           | 89481/100000 [24:18<03:03, 57.18it/s]
Training Step:
                89%1
                           | 89487/100000 [24:18<03:13, 54.34it/s]
Training Step:
                89%|
                           | 89493/100000 [24:18<03:16, 53.55it/s]
Training Step:
                89%|
                           | 89499/100000 [24:18<03:15, 53.69it/s]
```

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| 89511/100000 [24:18<03:22, 51.81it/s]
Training Step:
                90%|
Training Step:
                90%1
                           | 89517/100000 [24:18<03:27, 50.62it/s]
Training Step:
                90%|
                           | 89523/100000 [24:18<03:39, 47.72it/s]
Training Step:
                           | 89528/100000 [24:19<03:39, 47.68it/s]
                90%1
Training Step:
                90%|
                           | 89534/100000 [24:19<03:34, 48.88it/s]
Training Step:
                90%|
                           | 89540/100000 [24:19<03:32, 49.22it/s]
Training Step:
                90%|
                           | 89546/100000 [24:19<03:30, 49.60it/s]
Training Step:
                           | 89552/100000 [24:19<03:28, 50.06it/s]
                90%|
Training Step:
                90%|
                           | 89558/100000 [24:19<03:27, 50.27it/s]
                90%1
                           | 89564/100000 [24:19<03:28, 50.15it/s]
Training Step:
Training Step:
                           | 89570/100000 [24:19<03:25, 50.67it/s]
                90%|
                           | 89576/100000 [24:20<03:18, 52.60it/s]
Training Step:
                90%|
Training Step:
                           89582/100000 [24:20<03:12, 54.19it/s]
                90%1
                           | 89589/100000 [24:20<03:05, 56.20it/s]
Training Step:
                90%1
Training Step:
                90%1
                           | 89595/100000 [24:20<03:02, 56.94it/s]
Training Step:
                90%|
                           | 89601/100000 [24:20<03:00, 57.75it/s]
Training Step:
                90%1
                           | 89608/100000 [24:20<02:56, 58.83it/s]
Training Step:
                90%|
                           | 89615/100000 [24:20<02:50, 60.95it/s]
Training Step:
                90%1
                           | 89622/100000 [24:20<02:50, 60.92it/s]
                           | 89629/100000 [24:20<02:50, 60.90it/s]
Training Step:
                90%|
Training Step:
                           | 89636/100000 [24:21<02:49, 61.22it/s]
                90%|
Training Step:
                90%|
                           | 89643/100000 [24:21<02:47, 61.94it/s]
Training Step:
                90%|
                           | 89650/100000 [24:21<02:52, 59.95it/s]
Training Step:
                90%|
                           | 89657/100000 [24:21<02:52,
59.88it/s][INFO] Episode ended! Scenario Index: 1011 Reason:
arrive_dest.
Training Step:
                           | 89664/100000 [24:21<03:25, 50.25it/s]
                90%|
Training Step:
                90%1
                           | 89671/100000 [24:21<03:08, 54.76it/s]
Training Step:
                90%1
                           | 89678/100000 [24:21<03:01, 56.74it/s]
Training Step:
                90%1
                           | 89684/100000 [24:21<03:02, 56.56it/s]
Training Step:
                90%1
                           | 89690/100000 [24:21<03:06, 55.27it/s]
Training Step:
                90%|
                           | 89696/100000 [24:22<03:11, 53.76it/s]
Training Step:
                           | 89702/100000 [24:22<03:14, 52.82it/s]
                90%|
                           | 89708/100000 [24:22<03:19, 51.57it/s]
Training Step:
                90%|
Training Step:
                           | 89714/100000 [24:22<03:19, 51.61it/s]
                90%|
Training Step:
                90%|
                           | 89720/100000 [24:22<03:23, 50.49it/s]
Training Step:
                           | 89726/100000 [24:22<03:24, 50.28it/s]
                90%|
Training Step:
                90%|
                           | 89732/100000 [24:22<03:28, 49.21it/s]
Training Step:
                90%|
                           | 89737/100000 [24:22<03:28, 49.16it/s]
```

| 89505/100000 [24:18<03:20, 52.25it/s]

Training Step:

90%1

90%|

90%1

90%1

90%1

90%|

90%|

90%|

| 89742/100000 [24:23<03:31, 48.47it/s]

| 89748/100000 [24:23<03:30, 48.70it/s]

| 89753/100000 [24:23<03:28, 49.05it/s]

| 89758/100000 [24:23<03:34, 47.72it/s]

| 89764/100000 [24:23<03:32, 48.23it/s]

| 89770/100000 [24:23<03:31, 48.41it/s]

| 89776/100000 [24:23<03:29, 48.78it/s]

```
Training Step:
                90%1
                           | 89782/100000 [24:23<03:26, 49.43it/s]
                           | 89788/100000 [24:23<03:24, 49.96it/s]
Training Step:
                90%|
Training Step:
                90%1
                           | 89794/100000 [24:24<03:22, 50.47it/s]
Training Step:
                90%|
                           | 89800/100000 [24:24<03:22, 50.32it/s]
Training Step:
                           | 89806/100000 [24:24<03:25, 49.72it/s]
                90%1
Training Step:
                90%|
                           | 89811/100000 [24:24<03:27, 49.02it/s]
Training Step:
                90%|
                           | 89816/100000 [24:24<03:28, 48.89it/s]
Training Step:
                90%|
                           | 89821/100000 [24:24<03:31, 48.13it/s]
Training Step:
                           | 89826/100000 [24:24<03:41, 45.96it/s]
                90%|
Training Step:
                90%|
                           | 89831/100000 [24:24<03:45, 45.00it/s]
                90%1
                           | 89836/100000 [24:25<03:50, 44.17it/s]
Training Step:
Training Step:
                           | 89841/100000 [24:25<03:53, 43.56it/s]
                90%1
                           | 89846/100000 [24:25<04:01, 42.12it/s]
Training Step:
                90%1
                           | 89851/100000 [24:25<03:58, 42.51it/s]
Training Step:
                90%1
                           | 89856/100000 [24:25<04:02, 41.84it/s]
Training Step:
                90%1
Training Step:
                90%1
                           | 89861/100000 [24:25<04:03, 41.69it/s]
Training Step:
                90%1
                           | 89866/100000 [24:25<04:05, 41.21it/s]
Training Step:
                90%1
                           | 89871/100000 [24:25<04:03, 41.53it/s]
Training Step:
                90%|
                           | 89876/100000 [24:25<04:03, 41.66it/s]
Training Step:
                90%1
                           | 89881/100000 [24:26<03:59, 42.32it/s]
Training Step:
                90%|
                           89886/100000 [24:26<04:01, 41.93it/s]
                           | 89891/100000 [24:26<03:57, 42.62it/s]
Training Step:
                90%|
Training Step:
                90%|
                           | 89896/100000 [24:26<03:59, 42.22it/s]
Training Step:
                           | 89901/100000 [24:26<03:59, 42.16it/s]
                90%|
Training Step:
                90%|
                           | 89906/100000 [24:26<04:01, 41.80it/s]
                           | 89911/100000 [24:26<03:53, 43.17it/s]
Training Step:
                90%1
Training Step:
                90%1
                           | 89916/100000 [24:26<03:51, 43.52it/s]
                           | 89921/100000 [24:27<03:43, 45.07it/s]
Training Step:
                90%1
Training Step:
                           89926/100000 [24:27<03:42, 45.20it/s]
                90%1
Training Step:
                90%1
                           | 89931/100000 [24:27<03:39, 45.80it/s]
Training Step:
                90%1
                           | 89936/100000 [24:27<03:42, 45.20it/s]
Training Step:
                90%1
                           | 89941/100000 [24:27<03:39, 45.79it/s]
Training Step:
                90%1
                           | 89946/100000 [24:27<03:40, 45.69it/s]
Training Step:
                90%|
                           | 89951/100000 [24:27<03:37, 46.17it/s]
Training Step:
                           | 89956/100000 [24:27<03:39, 45.85it/s]
                90%|
                           | 89961/100000 [24:27<03:40, 45.54it/s]
Training Step:
                90%|
Training Step:
                           | 89966/100000 [24:27<03:44, 44.75it/s]
                90%|
Training Step:
                90%|
                           | 89971/100000 [24:28<03:37, 46.20it/s]
Training Step:
                           | 89976/100000 [24:28<03:36, 46.36it/s]
                90%|
Training Step:
                90%|
                           | 89981/100000 [24:28<03:31, 47.39it/s]
Training Step:
                90%|
                           | 89986/100000 [24:28<03:37, 46.02it/s]
Training Step:
                90%1
                           | 89992/100000 [24:28<03:32, 47.06it/s]
Training Step:
                90%1
                           | 89998/100000 [24:28<03:26, 48.49it/s]
Training Step:
                           | 90003/100000 [24:28<03:33, 46.78it/s]
                90%1
Training Step:
                90%1
                           | 90009/100000 [24:28<03:25, 48.66it/s]
Training Step:
                90%1
                           | 90015/100000 [24:28<03:16, 50.69it/s]
Training Step:
                90%1
                           | 90021/100000 [24:29<03:13, 51.51it/s]
Training Step:
                90%|
                           | 90027/100000 [24:29<03:12, 51.85it/s]
```

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Training Step:
                90%|
                          | 90033/100000 [24:29<03:10, 52.22it/s]
                          | 90039/100000 [24:29<03:06, 53.34it/s]
Training Step:
                90%|
Training Step:
                90%1
                          | 90045/100000 [24:29<03:00, 55.10it/s]
Training Step:
                90%|
                          90051/100000 [24:29<03:02, 54.51it/s]
Training Step:
                          90057/100000 [24:29<02:57, 56.05it/s]
                90%1
Training Step:
                90%|
                          90064/100000 [24:29<02:52, 57.50it/s]
                          | 90071/100000 [24:29<02:47, 59.35it/s]
Training Step:
                90%|
Training Step:
                90%|
                          90078/100000 [24:30<02:44, 60.15it/s]
Training Step:
                          90085/100000 [24:30<02:39, 62.20it/s]
                90%|
Training Step:
                90%|
                          | 90092/100000 [24:30<02:37, 62.72it/s]
                90%1
                          | 90100/100000 [24:30<02:32, 64.85it/s]
Training Step:
                          | 90108/100000 [24:30<02:27, 67.02it/s]
Training Step:
                90%|
                          | 90116/100000 [24:30<02:24, 68.54it/s]
Training Step:
                90%|
                          | 90124/100000 [24:30<02:21, 69.60it/s]
Training Step:
                90%1
Training Step:
                90%1
                          | 90133/100000 [24:30<02:14,
73.44it/s][INFO] Episode ended! Scenario Index: 1018 Reason:
arrive_dest.
```

90142/100000 [24:31<02:33, 64.24it/s] Training Step: 90%| Training Step: 90%1 90150/100000 [24:31<02:28, 66.33it/s] 90158/100000 [24:31<02:26, 67.25it/s] Training Step: 90%| Training Step: 90165/100000 [24:31<02:28, 66.24it/s] 90%| Training Step: 90%| | 90172/100000 [24:31<02:39, 61.66it/s] Training Step: 90179/100000 [24:31<02:58, 55.12it/s] 90%| Training Step: 90%| | 90185/100000 [24:31<03:03, 53.46it/s] | 90191/100000 [24:31<03:05, 52.85it/s] Training Step: 90%| | 90197/100000 [24:32<03:07, 52.41it/s] Training Step: 90%1 | 90203/100000 [24:32<03:09, 51.73it/s] Training Step: 90%1 90209/100000 [24:32<03:14, 50.40it/s] Training Step: 90%| Training Step: 90%| | 90215/100000 [24:32<03:13, 50.47it/s] 90%1 | 90221/100000 [24:32<03:14, 50.33it/s] Training Step: | 90227/100000 [24:32<03:18, 49.14it/s] Training Step: 90%| Training Step: 90%1 | 90232/100000 [24:32<03:19, 48.98it/s] Training Step: 90%| 90238/100000 [24:32<03:19, 48.92it/s] Training Step: 90244/100000 [24:32<03:19, 48.88it/s] 90%| 90250/100000 [24:33<03:17, 49.46it/s] Training Step: 90%| 90256/100000 [24:33<03:11, 50.85it/s] Training Step: 90%| Training Step: 90%| 90262/100000 [24:33<03:09, 51.27it/s] Training Step: | 90268/100000 [24:33<03:09, 51.27it/s] 90%| Training Step: 90%| | 90274/100000 [24:33<03:07, 51.81it/s] Training Step: 90%| | 90280/100000 [24:33<03:09, 51.32it/s] Training Step: 90%1 90286/100000 [24:33<03:07, 51.90it/s] Training Step: 90%| | 90292/100000 [24:33<03:06, 51.93it/s] | 90298/100000 [24:34<03:05, 52.29it/s] Training Step: 90%1 Training Step: 90%1 | 90304/100000 [24:34<03:06, 51.88it/s] Training Step: 90%1 | 90310/100000 [24:34<03:05, 52.38it/s] Training Step: 90%| | 90316/100000 [24:34<03:08, 51.51it/s] Training Step: 90%1 | 90322/100000 [24:34<03:04, 52.45it/s]

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Training Step:
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                          | 90328/100000 [24:34<03:11, 50.44it/s]
                90%1
                          | 90334/100000 [24:34<03:12, 50.11it/s]
Training Step:
Training Step:
                90%1
                          | 90340/100000 [24:34<03:18, 48.62it/s]
Training Step:
                90%|
                          90346/100000 [24:34<03:12, 50.12it/s]
Training Step:
                          90352/100000 [24:35<03:10, 50.55it/s]
                90%1
Training Step:
                90%|
                          90358/100000 [24:35<03:08, 51.28it/s]
Training Step:
                90%|
                          90364/100000 [24:35<03:13, 49.75it/s]
Training Step:
                90%|
                          90370/100000 [24:35<03:13, 49.70it/s]
Training Step:
                90%1
                          90376/100000 [24:35<03:11, 50.23it/s]
Training Step:
                90%|
                          | 90382/100000 [24:35<03:09, 50.67it/s]
                90%1
                          | 90388/100000 [24:35<03:04, 51.96it/s]
Training Step:
Training Step:
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                          | 90394/100000 [24:35<03:06, 51.52it/s]
                          | 90400/100000 [24:36<03:07, 51.18it/s]
Training Step:
                90%|
Training Step:
                          | 90406/100000 [24:36<03:08, 50.95it/s]
                90%1
                          | 90412/100000 [24:36<03:09, 50.54it/s]
Training Step:
                90%1
Training Step:
                90%1
                          | 90418/100000 [24:36<03:05, 51.67it/s]
Training Step:
                90%1
                          | 90424/100000 [24:36<03:01, 52.64it/s]
                          | 90430/100000 [24:36<02:57, 54.04it/s]
Training Step:
                90%1
Training Step:
                90%|
                          90436/100000 [24:36<02:53, 55.26it/s]
Training Step:
                90%1
                          90442/100000 [24:36<02:54, 54.78it/s]
                          90448/100000 [24:36<02:59, 53.31it/s]
Training Step:
                90%|
Training Step:
                          90454/100000 [24:37<03:00, 52.96it/s]
                90%|
Training Step:
                90%|
                          | 90460/100000 [24:37<02:59, 53.00it/s]
Training Step:
                90%|
                          | 90466/100000 [24:37<02:58, 53.46it/s]
Training Step:
                90%|
                          | 90472/100000 [24:37<02:56, 54.06it/s]
Training Step:
                          | 90478/100000 [24:37<02:51, 55.56it/s]
                90%|
                          | 90484/100000 [24:37<02:49, 56.02it/s]
Training Step:
                90%1
                          | 90490/100000 [24:37<02:50, 55.93it/s]
Training Step:
                90%1
                          90496/100000 [24:37<02:49, 56.13it/s]
Training Step:
                90%1
Training Step:
                91%|
                          | 90502/100000 [24:37<02:46, 56.91it/s]
Training Step:
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                          | 90508/100000 [24:38<02:50, 55.56it/s]
                          | 90514/100000 [24:38<02:49, 56.05it/s]
Training Step:
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Training Step:
                91%|
                          | 90520/100000 [24:38<02:53, 54.63it/s]
Training Step:
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                          90526/100000 [24:38<02:55, 54.02it/s]
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Training Step:
                91%|
Training Step:
                          90544/100000 [24:38<02:47, 56.57it/s]
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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                          | 90571/100000 [24:39<02:32, 61.77it/s]
Training Step:
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                          | 90578/100000 [24:39<02:29, 62.93it/s]
Training Step:
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                          | 90586/100000 [24:39<02:22, 65.92it/s]
Training Step:
                          | 90594/100000 [24:39<02:18, 67.80it/s]
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Training Step:
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68.54it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
arrive_dest.
```

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                          | 90616/100000 [24:39<02:31, 62.05it/s]
Training Step:
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Training Step:
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                          | 90624/100000 [24:39<02:26, 64.11it/s]
Training Step:
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                          90631/100000 [24:40<02:23, 65.52it/s]
Training Step:
                          90638/100000 [24:40<02:23, 65.13it/s]
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Training Step:
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                          | 90652/100000 [24:40<02:24, 64.77it/s]
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Training Step:
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Training Step:
                          90666/100000 [24:40<02:22, 65.32it/s]
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Training Step:
                91%|
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                          | 90680/100000 [24:40<02:31, 61.57it/s]
Training Step:
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Training Step:
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                          | 90694/100000 [24:41<02:33, 60.49it/s]
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                          | 90701/100000 [24:41<02:33, 60.44it/s]
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                          | 90714/100000 [24:41<02:40, 57.84it/s]
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Training Step:
                91%|
                          | 90720/100000 [24:41<02:41, 57.49it/s]
Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
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Training Step:
                91%|
                          | 90780/100000 [24:42<02:32, 60.42it/s]
Training Step:
                91%|
                          | 90787/100000 [24:42<02:38, 57.97it/s]
Training Step:
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                          | 90793/100000 [24:42<02:45, 55.71it/s]
Training Step:
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                          90799/100000 [24:42<02:49, 54.40it/s]
Training Step:
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Training Step:
                91%|
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Training Step:
                          90835/100000 [24:43<02:56, 51.98it/s]
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                91%|
Training Step:
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                          90874/100000 [24:44<03:06, 49.01it/s]
Training Step:
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                          90886/100000 [24:44<03:04, 49.41it/s]
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Training Step:
                91%|
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                          | 90896/100000 [24:44<03:05, 49.05it/s]
Training Step:
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                          | 90901/100000 [24:44<03:06, 48.90it/s]
Training Step:
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                          | 90906/100000 [24:44<03:06, 48.80it/s]
```

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| 90918/100000 [24:45<03:02, 49.72it/s]
Training Step:
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Training Step:
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Training Step:
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                          | 90930/100000 [24:45<02:59, 50.65it/s]
Training Step:
                          90936/100000 [24:45<02:57, 51.14it/s]
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Training Step:
                91%|
                          90942/100000 [24:45<03:03, 49.42it/s]
                          | 90948/100000 [24:45<03:00, 50.26it/s]
Training Step:
                91%|
Training Step:
                91%|
                          90954/100000 [24:45<02:54, 51.89it/s]
Training Step:
                          90960/100000 [24:46<02:54, 51.84it/s]
                91%|
Training Step:
                91%|
                          | 90966/100000 [24:46<02:52, 52.41it/s]
                          | 90972/100000 [24:46<02:51, 52.63it/s]
Training Step:
                91%|
Training Step:
                          | 90978/100000 [24:46<02:48, 53.48it/s]
                91%|
                          | 90984/100000 [24:46<02:48, 53.37it/s]
Training Step:
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Training Step:
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                          | 90996/100000 [24:46<02:41, 55.64it/s]
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                91%|
                          | 91002/100000 [24:46<02:40, 56.09it/s]
Training Step:
Training Step:
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Training Step:
                91%|
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Training Step:
                91%|
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Training Step:
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                          91030/100000 [24:47<02:29, 59.82it/s]
Training Step:
                91%|
                          91036/100000 [24:47<02:30, 59.38it/s]
                          91043/100000 [24:47<02:26, 60.99it/s]
Training Step:
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Training Step:
                91%|
                          | 91050/100000 [24:47<02:26, 61.04it/s]
Training Step:
                          | 91057/100000 [24:47<02:21, 63.33it/s]
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Training Step:
                91%|
                          | 91064/100000 [24:47<02:18, 64.67it/s]
                          | 91071/100000 [24:47<02:17, 65.08it/s]
Training Step:
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Training Step:
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                          | 91078/100000 [24:47<02:14,
66.11it/s][INFO] Episode ended! Scenario Index: 1013 Reason:
arrive_dest.
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Training Step:
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                          | 91092/100000 [24:48<02:33, 57.87it/s]
Training Step:
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                          | 91099/100000 [24:48<02:27, 60.42it/s]
Training Step:
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                          91106/100000 [24:48<02:26, 60.62it/s]
Training Step:
                          91113/100000 [24:48<02:23, 61.90it/s]
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                          91120/100000 [24:48<02:25, 61.10it/s]
Training Step:
                91%|
                          91127/100000 [24:48<02:23, 61.71it/s]
Training Step:
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Training Step:
                91%|
                          91134/100000 [24:48<02:26, 60.36it/s]
Training Step:
                          | 91141/100000 [24:49<02:22, 61.96it/s]
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Training Step:
                91%|
                          | 91148/100000 [24:49<02:27, 60.21it/s]
Training Step:
                91%|
                          | 91155/100000 [24:49<02:31, 58.55it/s]
Training Step:
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                          91161/100000 [24:49<02:30, 58.62it/s]
Training Step:
                91%|
                          | 91167/100000 [24:49<02:38, 55.80it/s]
                          | 91173/100000 [24:49<02:40, 55.15it/s]
Training Step:
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Training Step:
                91%|
                          | 91179/100000 [24:49<02:45, 53.17it/s]
Training Step:
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                          | 91185/100000 [24:49<02:51, 51.51it/s]
Training Step:
                91%|
                          | 91191/100000 [24:50<02:52, 50.97it/s]
Training Step:
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                          | 91197/100000 [24:50<02:58, 49.37it/s]
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| 90912/100000 [24:45<03:03, 49.46it/s]

Training Step:

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Training Step:
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Training Step:
                          91226/100000 [24:50<02:46, 52.70it/s]
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Training Step:
                91%|
                          | 91232/100000 [24:50<02:45, 53.11it/s]
Training Step:
                91%|
                          | 91238/100000 [24:50<02:45, 52.96it/s]
Training Step:
                91%|
                          | 91244/100000 [24:51<02:48, 52.03it/s]
Training Step:
                          91250/100000 [24:51<02:47, 52.21it/s]
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Training Step:
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                          | 91256/100000 [24:51<02:56, 49.49it/s]
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                          | 91261/100000 [24:51<02:58, 48.98it/s]
Training Step:
Training Step:
                          | 91266/100000 [24:51<03:02, 47.84it/s]
                91%|
                          | 91271/100000 [24:51<03:01, 48.16it/s]
Training Step:
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Training Step:
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                91%|
                          | 91282/100000 [24:51<02:57, 49.13it/s]
Training Step:
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Training Step:
                91%|
                          | 91288/100000 [24:51<02:55, 49.66it/s]
                          | 91294/100000 [24:52<02:53, 50.18it/s]
Training Step:
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Training Step:
                91%|
                         | 91300/100000 [24:52<02:53, 50.16it/s]
Training Step:
                91%|
                          | 91306/100000 [24:52<02:53, 50.14it/s]
Training Step:
                91%|
                         | 91312/100000 [24:52<02:58, 48.64it/s]
Training Step:
                         | 91318/100000 [24:52<02:57, 48.85it/s]
                91%|
Training Step:
                         | 91323/100000 [24:52<03:03, 47.18it/s]
                91%|
Training Step:
                91%|
                          | 91328/100000 [24:52<03:01, 47.80it/s]
Training Step:
                91%|
                          | 91334/100000 [24:52<02:55, 49.51it/s]
Training Step:
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                         | 91340/100000 [24:52<02:50, 50.85it/s]
                          | 91346/100000 [24:53<02:45, 52.45it/s]
Training Step:
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                         | 91353/100000 [24:53<02:36, 55.41it/s]
Training Step:
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                         | 91359/100000 [24:53<02:34, 55.91it/s]
Training Step:
                91%|
                         | 91365/100000 [24:53<02:33, 56.27it/s]
Training Step:
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Training Step:
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                          | 91372/100000 [24:53<02:27, 58.50it/s]
Training Step:
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                          | 91379/100000 [24:53<02:21, 60.74it/s]
Training Step:
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                          | 91386/100000 [24:53<02:19, 61.71it/s]
Training Step:
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                          | 91393/100000 [24:53<02:16, 63.12it/s]
Training Step:
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                          | 91400/100000 [24:53<02:14,
63.80it/s][INFO] Episode ended! Scenario Index: 1016 Reason:
arrive dest.
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Training Step:
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Training Step:
                          | 91421/100000 [24:54<02:24, 59.20it/s]
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Training Step:
                91%|
                          | 91428/100000 [24:54<02:29, 57.37it/s]
                          | 91434/100000 [24:54<02:38, 54.12it/s]
Training Step:
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Training Step:
                91%|
                          | 91440/100000 [24:54<02:42, 52.70it/s]
Training Step:
                          91446/100000 [24:54<02:43, 52.47it/s]
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                          | 91452/100000 [24:54<02:40, 53.36it/s]
Training Step:
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Training Step:
                91%|
                          | 91458/100000 [24:55<02:41, 53.01it/s]
Training Step:
                91%|
                          | 91464/100000 [24:55<02:43, 52.36it/s]
Training Step:
                91%|
                          | 91470/100000 [24:55<02:47, 50.99it/s]
```

| 91202/100000 [24:50<02:59, 48.97it/s] | 91208/100000 [24:50<02:55, 50.10it/s]

| 91214/100000 [24:50<02:50, 51.38it/s]

Training Step:

Training Step:

Training Step:

91%|

91%|

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Training Step:
                91%|
                          | 91476/100000 [24:55<02:46, 51.25it/s]
                          | 91482/100000 [24:55<02:46, 51.19it/s]
Training Step:
                91%|
Training Step:
                91%|
                          | 91488/100000 [24:55<02:51, 49.74it/s]
Training Step:
                91%|
                          | 91494/100000 [24:55<02:51, 49.53it/s]
Training Step:
                          91500/100000 [24:55<02:47, 50.80it/s]
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Training Step:
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                          | 91506/100000 [24:56<02:44, 51.58it/s]
                          | 91512/100000 [24:56<02:41, 52.40it/s]
Training Step:
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                          | 91518/100000 [24:56<02:39, 53.03it/s]
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Training Step:
                92%|
                          | 91524/100000 [24:56<02:43, 51.83it/s]
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Training Step:
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                92%|
                          | 91536/100000 [24:56<02:39, 53.18it/s]
Training Step:
Training Step:
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                          | 91542/100000 [24:56<02:47, 50.49it/s]
                92%|
                          | 91548/100000 [24:56<03:24, 41.32it/s]
Training Step:
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                          | 91558/100000 [24:57<03:26, 40.86it/s]
Training Step:
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Training Step:
                92%1
                          | 91563/100000 [24:57<03:27, 40.71it/s]
Training Step:
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                          | 91568/100000 [24:57<03:37, 38.71it/s]
Training Step:
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                          | 91573/100000 [24:57<03:29, 40.17it/s]
Training Step:
                92%|
                          | 91578/100000 [24:57<03:20, 42.00it/s]
Training Step:
                92%1
                          | 91583/100000 [24:57<03:17, 42.53it/s]
                          | 91588/100000 [24:57<03:11, 43.92it/s]
Training Step:
                92%|
                          | 91593/100000 [24:57<03:12, 43.67it/s]
Training Step:
                92%|
Training Step:
                92%|
                          | 91598/100000 [24:58<03:15, 42.95it/s]
Training Step:
                92%|
                          | 91603/100000 [24:58<03:25, 40.79it/s]
Training Step:
                92%|
                          | 91608/100000 [24:58<03:31, 39.59it/s]
Training Step:
                92%|
                          | 91612/100000 [24:58<03:32, 39.40it/s]
                          | 91617/100000 [24:58<03:26, 40.69it/s]
Training Step:
                92%1
                          | 91622/100000 [24:58<03:47, 36.80it/s]
Training Step:
                92%1
                          | 91627/100000 [24:58<03:35, 38.80it/s]
Training Step:
                92%1
Training Step:
                92%1
                          | 91631/100000 [24:58<03:37, 38.52it/s]
                          | 91636/100000 [24:59<03:36, 38.69it/s]
Training Step:
                92%1
Training Step:
                92%1
                          | 91641/100000 [24:59<03:29, 39.94it/s]
Training Step:
                92%1
                          | 91646/100000 [24:59<03:29, 39.86it/s]
Training Step:
                92%|
                          | 91651/100000 [24:59<03:30, 39.71it/s]
Training Step:
                92%|
                          | 91655/100000 [24:59<03:30, 39.68it/s]
                          | 91659/100000 [24:59<03:33, 39.14it/s]
Training Step:
                92%|
Training Step:
                          | 91664/100000 [24:59<03:27, 40.24it/s]
                92%|
Training Step:
                92%|
                          | 91669/100000 [24:59<03:17, 42.21it/s]
Training Step:
                92%|
                          | 91674/100000 [25:00<03:13, 42.94it/s]
                          | 91679/100000 [25:00<03:12, 43.22it/s]
Training Step:
                92%|
Training Step:
                92%|
                          | 91684/100000 [25:00<03:05, 44.84it/s]
Training Step:
                92%1
                          91690/100000 [25:00<02:58, 46.61it/s]
Training Step:
                92%|
                          | 91695/100000 [25:00<03:04, 45.00it/s]
Training Step:
                          91700/100000 [25:00<03:35, 38.55it/s]
                92%1
                          | 91705/100000 [25:00<03:23, 40.75it/s]
Training Step:
                92%|
Training Step:
                92%1
                          | 91710/100000 [25:00<03:24, 40.52it/s]
Training Step:
                92%|
                          | 91715/100000 [25:01<03:19, 41.46it/s]
Training Step:
                92%1
                          | 91720/100000 [25:01<03:17, 41.94it/s]
```

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Training Step:
                92%1
                          | 91725/100000 [25:01<03:08, 43.83it/s]
                92%|
                          | 91730/100000 [25:01<03:15, 42.29it/s]
Training Step:
Training Step:
                92%1
                          | 91735/100000 [25:01<03:19, 41.45it/s]
Training Step:
                92%|
                          | 91740/100000 [25:01<03:26, 40.06it/s]
Training Step:
                          91745/100000 [25:01<03:29, 39.48it/s]
                92%1
Training Step:
                92%|
                          | 91750/100000 [25:01<03:24, 40.30it/s]
                          | 91755/100000 [25:01<03:24, 40.41it/s]
Training Step:
                92%|
                          | 91760/100000 [25:02<03:27, 39.71it/s]
Training Step:
                92%|
Training Step:
                92%|
                          91764/100000 [25:02<03:30, 39.09it/s]
Training Step:
                92%|
                          | 91768/100000 [25:02<03:32, 38.72it/s]
                92%|
                          | 91773/100000 [25:02<03:22, 40.70it/s]
Training Step:
Training Step:
                92%1
                          | 91778/100000 [25:02<03:17, 41.64it/s]
                92%|
                          | 91783/100000 [25:02<03:10, 43.21it/s]
Training Step:
Training Step:
                          91788/100000 [25:02<03:11, 42.98it/s]
                92%1
                          | 91793/100000 [25:02<03:09, 43.36it/s]
Training Step:
                92%|
Training Step:
                92%1
                          | 91798/100000 [25:03<03:08, 43.50it/s]
Training Step:
                92%1
                          | 91803/100000 [25:03<03:11, 42.82it/s]
Training Step:
                92%1
                          | 91808/100000 [25:03<03:09, 43.24it/s]
Training Step:
                92%|
                          | 91813/100000 [25:03<03:11, 42.75it/s]
Training Step:
                92%1
                          | 91818/100000 [25:03<03:13, 42.21it/s]
Training Step:
                          | 91823/100000 [25:03<03:10, 42.91it/s]
                92%|
Training Step:
                          | 91828/100000 [25:03<03:12, 42.35it/s]
                92%|
Training Step:
                92%|
                          | 91833/100000 [25:03<03:07, 43.49it/s]
Training Step:
                92%|
                          | 91838/100000 [25:03<03:04, 44.18it/s]
Training Step:
                92%|
                          | 91843/100000 [25:04<03:03, 44.43it/s]
Training Step:
                92%|
                          | 91848/100000 [25:04<03:13, 42.03it/s]
                          | 91853/100000 [25:04<03:12, 42.34it/s]
Training Step:
                92%1
                          | 91858/100000 [25:04<03:18, 41.10it/s]
Training Step:
                92%1
                          | 91863/100000 [25:04<03:18, 41.06it/s]
Training Step:
                92%1
Training Step:
                92%1
                          | 91868/100000 [25:04<03:22, 40.15it/s]
                          | 91873/100000 [25:04<03:25, 39.53it/s]
Training Step:
                92%1
                          | 91877/100000 [25:04<03:25, 39.55it/s]
Training Step:
                92%1
Training Step:
                92%1
                          | 91882/100000 [25:05<03:26, 39.40it/s]
Training Step:
                92%|
                          | 91887/100000 [25:05<03:23, 39.87it/s]
Training Step:
                92%|
                          | 91892/100000 [25:05<03:24, 39.72it/s]
                          | 91896/100000 [25:05<03:26, 39.18it/s]
Training Step:
                92%|
Training Step:
                          | 91901/100000 [25:05<03:22, 40.04it/s]
                92%|
Training Step:
                92%|
                          | 91906/100000 [25:05<03:25, 39.44it/s]
Training Step:
                92%|
                          | 91910/100000 [25:05<03:25, 39.28it/s]
                          | 91914/100000 [25:05<03:28, 38.84it/s]
Training Step:
                92%|
Training Step:
                92%|
                          | 91919/100000 [25:05<03:22, 39.85it/s]
Training Step:
                92%1
                          91923/100000 [25:06<03:26, 39.14it/s]
Training Step:
                92%|
                          | 91927/100000 [25:06<03:36, 37.22it/s]
Training Step:
                          91931/100000 [25:06<03:38, 36.97it/s]
                92%1
                          | 91935/100000 [25:06<03:36, 37.29it/s]
Training Step:
                92%|
Training Step:
                92%1
                          91939/100000 [25:06<03:31, 38.05it/s]
Training Step:
                92%|
                          | 91943/100000 [25:06<03:30, 38.30it/s]
Training Step:
                92%1
                          | 91948/100000 [25:06<03:27, 38.76it/s]
```

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Training Step:
                92%|
                          | 91953/100000 [25:06<03:15, 41.08it/s]
                          | 91958/100000 [25:06<03:09, 42.50it/s]
Training Step:
                92%|
Training Step:
                92%1
                          | 91963/100000 [25:07<03:00, 44.55it/s]
Training Step:
                92%|
                          | 91968/100000 [25:07<03:03, 43.77it/s]
Training Step:
                          91973/100000 [25:07<03:03, 43.80it/s]
                92%1
Training Step:
                92%|
                          | 91978/100000 [25:07<03:04, 43.37it/s]
Training Step:
                92%|
                          | 91984/100000 [25:07<02:55, 45.60it/s]
Training Step:
                92%|
                          | 91990/100000 [25:07<02:49, 47.17it/s]
Training Step:
                          | 91996/100000 [25:07<02:44, 48.79it/s]
                92%|
Training Step:
                92%|
                          | 92001/100000 [25:07<02:46, 48.01it/s]
                92%|
                          | 92006/100000 [25:07<02:47, 47.64it/s]
Training Step:
Training Step:
                          | 92011/100000 [25:08<02:48, 47.54it/s]
                92%|
                          | 92016/100000 [25:08<02:49, 47.18it/s]
Training Step:
                92%|
Training Step:
                          | 92021/100000 [25:08<02:46, 47.84it/s]
                92%1
                          | 92026/100000 [25:08<02:49, 46.98it/s]
Training Step:
                92%|
                92%1
                          | 92032/100000 [25:08<02:41, 49.42it/s]
Training Step:
Training Step:
                92%|
                          | 92038/100000 [25:08<02:37, 50.69it/s]
Training Step:
                92%1
                          | 92044/100000 [25:08<02:35, 51.29it/s]
Training Step:
                92%|
                          | 92050/100000 [25:08<02:32, 51.98it/s]
Training Step:
                92%1
                          | 92056/100000 [25:08<02:33, 51.76it/s]
Training Step:
                92%|
                          92062/100000 [25:09<02:34, 51.35it/s]
Training Step:
                          | 92068/100000 [25:09<02:32, 52.01it/s]
                92%|
Training Step:
                92%|
                          | 92074/100000 [25:09<02:29, 52.89it/s]
Training Step:
                92%|
                          | 92081/100000 [25:09<02:22, 55.62it/s]
Training Step:
                92%|
                          | 92088/100000 [25:09<02:17, 57.68it/s]
                          | 92095/100000 [25:09<02:11, 60.08it/s]
Training Step:
                92%|
                          | 92102/100000 [25:09<02:09, 61.14it/s]
Training Step:
                92%1
                          | 92109/100000 [25:09<02:13, 59.00it/s]
Training Step:
                92%1
                          | 92116/100000 [25:09<02:11, 60.03it/s]
Training Step:
                92%|
Training Step:
                92%|
                          | 92124/100000 [25:10<02:06, 62.41it/s]
Training Step:
                92%1
                          | 92132/100000 [25:10<02:02, 64.21it/s]
Training Step:
                92%|
                          | 92139/100000 [25:10<02:03, 63.78it/s]
Training Step:
                92%1
                          | 92147/100000 [25:10<01:57, 66.99it/s]
Training Step:
                92%|
                          | 92154/100000 [25:10<01:56, 67.45it/s]
Training Step:
                          | 92162/100000 [25:10<01:54, 68.66it/s]
                92%|
                          | 92171/100000 [25:10<01:47, 72.81it/s]
Training Step:
                92%|
Training Step:
                          | 92179/100000 [25:10<01:49, 71.61it/s]
                92%|
Training Step:
                92%|
                          | 92187/100000 [25:10<01:50, 70.61it/s]
Training Step:
                          | 92195/100000 [25:11<01:49, 71.13it/s]
                92%|
                          | 92203/100000 [25:11<01:45, 73.58it/s]
Training Step:
                92%|
Training Step:
                92%|
                          | 92211/100000 [25:11<01:45, 73.93it/s]
                          | 92220/100000 [25:11<01:41, 76.33it/s]
Training Step:
                92%1
Training Step:
                92%1
                          | 92229/100000 [25:11<01:37,
79.74it/s][INFO] Episode ended! Scenario Index: 1015 Reason:
arrive_dest.
```

| 92237/100000 [25:11<02:03, 62.88it/s]

| 92244/100000 [25:11<02:02, 63.08it/s]

Training Step:

Training Step:

92%|

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Training Step:
                92%1
                          | 92252/100000 [25:11<01:59, 64.62it/s]
                92%|
                          | 92259/100000 [25:12<02:04, 62.02it/s]
Training Step:
Training Step:
                92%1
                          | 92266/100000 [25:12<02:16, 56.57it/s]
Training Step:
                92%|
                          | 92272/100000 [25:12<02:22, 54.22it/s]
Training Step:
                          92278/100000 [25:12<02:27, 52.28it/s]
                92%1
Training Step:
                92%|
                          | 92284/100000 [25:12<02:31, 51.08it/s]
Training Step:
                92%|
                          | 92290/100000 [25:12<02:31, 50.74it/s]
                          | 92296/100000 [25:12<02:33, 50.30it/s]
Training Step:
                92%|
Training Step:
                92%|
                          92302/100000 [25:12<02:35, 49.62it/s]
Training Step:
                92%|
                          | 92308/100000 [25:13<02:35, 49.49it/s]
                92%|
                          | 92313/100000 [25:13<02:36, 49.11it/s]
Training Step:
Training Step:
                92%1
                          | 92318/100000 [25:13<02:40, 47.94it/s]
                92%|
                          | 92324/100000 [25:13<02:36, 48.95it/s]
Training Step:
Training Step:
                          92330/100000 [25:13<02:35, 49.41it/s]
                92%1
                          | 92336/100000 [25:13<02:31, 50.75it/s]
Training Step:
                92%1
Training Step:
                92%1
                          | 92342/100000 [25:13<02:29, 51.18it/s]
Training Step:
                92%1
                          | 92348/100000 [25:13<02:26, 52.16it/s]
Training Step:
                92%1
                          | 92354/100000 [25:13<02:25, 52.58it/s]
Training Step:
                92%|
                          | 92360/100000 [25:14<02:23, 53.16it/s]
Training Step:
                92%1
                          | 92366/100000 [25:14<02:28, 51.49it/s]
                          | 92372/100000 [25:14<02:50, 44.74it/s]
Training Step:
                92%|
Training Step:
                          | 92378/100000 [25:14<02:43, 46.52it/s]
                92%|
Training Step:
                92%|
                          | 92384/100000 [25:14<02:38, 47.97it/s]
Training Step:
                92%|
                          | 92389/100000 [25:14<02:38, 48.02it/s]
Training Step:
                92%|
                          | 92394/100000 [25:14<02:39, 47.69it/s]
                92%|
                          | 92400/100000 [25:14<02:34, 49.09it/s]
Training Step:
                          | 92405/100000 [25:15<02:34, 49.20it/s]
Training Step:
                92%1
Training Step:
                92%1
                          | 92410/100000 [25:15<02:38, 47.95it/s]
                          | 92415/100000 [25:15<02:38, 47.86it/s]
Training Step:
                92%1
Training Step:
                92%1
                          | 92420/100000 [25:15<02:43, 46.49it/s]
Training Step:
                92%1
                          | 92425/100000 [25:15<02:43, 46.31it/s]
Training Step:
                92%1
                          | 92430/100000 [25:15<02:46, 45.44it/s]
Training Step:
                92%1
                          | 92435/100000 [25:15<02:46, 45.56it/s]
Training Step:
                92%|
                          | 92440/100000 [25:15<02:44, 45.90it/s]
Training Step:
                          | 92445/100000 [25:15<02:41, 46.79it/s]
                92%|
                          | 92450/100000 [25:16<02:40, 46.90it/s]
Training Step:
                92%|
Training Step:
                          92455/100000 [25:16<02:37, 47.79it/s]
                92%|
Training Step:
                92%|
                          | 92460/100000 [25:16<02:38, 47.60it/s]
Training Step:
                92%|
                          | 92465/100000 [25:16<02:38, 47.61it/s]
Training Step:
                92%|
                          | 92470/100000 [25:16<02:41, 46.68it/s]
Training Step:
                92%|
                          | 92475/100000 [25:16<02:44, 45.67it/s]
Training Step:
                92%1
                          | 92480/100000 [25:16<02:42, 46.24it/s]
Training Step:
                92%|
                          | 92486/100000 [25:16<02:37, 47.58it/s]
Training Step:
                92%1
                          | 92492/100000 [25:16<02:36, 47.96it/s]
                          | 92497/100000 [25:17<02:36, 47.86it/s]
Training Step:
                92%|
Training Step:
                93%1
                          | 92502/100000 [25:17<02:39, 47.00it/s]
Training Step:
                93%|
                          | 92507/100000 [25:17<02:37, 47.57it/s]
Training Step:
                93%1
                          | 92512/100000 [25:17<02:36, 47.98it/s]
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Training Step:
                93%|
                          | 92518/100000 [25:17<02:32, 49.17it/s]
                93%|
                          | 92524/100000 [25:17<02:31, 49.31it/s]
Training Step:
Training Step:
                93%1
                          | 92530/100000 [25:17<02:30, 49.52it/s]
Training Step:
                93%|
                          | 92535/100000 [25:17<02:30, 49.65it/s]
Training Step:
                          92541/100000 [25:17<02:26, 50.98it/s]
                93%1
Training Step:
                93%|
                          | 92547/100000 [25:18<02:25, 51.21it/s]
Training Step:
                93%|
                          92553/100000 [25:18<02:24, 51.37it/s]
Training Step:
                93%|
                          | 92559/100000 [25:18<02:27, 50.42it/s]
Training Step:
                93%|
                          92565/100000 [25:18<02:25, 51.07it/s]
                          | 92571/100000 [25:18<02:24, 51.40it/s]
Training Step:
                93%|
                93%|
                          | 92577/100000 [25:18<02:19, 53.29it/s]
Training Step:
Training Step:
                          | 92583/100000 [25:18<02:15, 54.85it/s]
                93%|
                          | 92589/100000 [25:18<02:11, 56.15it/s]
Training Step:
                93%|
Training Step:
                          | 92595/100000 [25:18<02:09, 57.25it/s]
                93%1
                          | 92601/100000 [25:18<02:08, 57.72it/s]
Training Step:
                93%|
Training Step:
                93%|
                          | 92607/100000 [25:19<02:10, 56.73it/s]
Training Step:
                93%|
                          | 92613/100000 [25:19<02:10, 56.42it/s]
Training Step:
                93%1
                          | 92620/100000 [25:19<02:08, 57.24it/s]
Training Step:
                93%|
                          | 92627/100000 [25:19<02:01, 60.82it/s]
Training Step:
                93%1
                          | 92634/100000 [25:19<02:01, 60.50it/s]
                          | 92641/100000 [25:19<02:01, 60.45it/s]
Training Step:
                93%|
                          | 92648/100000 [25:19<02:03, 59.63it/s]
Training Step:
                93%|
Training Step:
                93%|
                          | 92654/100000 [25:19<02:03, 59.57it/s]
Training Step:
                93%|
                          | 92662/100000 [25:20<01:58, 61.99it/s]
Training Step:
                93%|
                          | 92669/100000 [25:20<01:54, 63.84it/s]
                93%|
                          | 92676/100000 [25:20<01:52, 65.02it/s]
Training Step:
                          | 92684/100000 [25:20<01:49, 66.63it/s]
Training Step:
                93%|
                          | 92692/100000 [25:20<01:47, 68.09it/s]
Training Step:
                93%|
                          | 92700/100000 [25:20<01:45, 69.10it/s]
Training Step:
                93%|
Training Step:
                93%1
                          | 92708/100000 [25:20<01:41, 71.54it/s]
Training Step:
                93%1
                          | 92717/100000 [25:20<01:35,
75.91it/s][INFO] Episode ended! Scenario Index: 1018 Reason:
arrive_dest.
```

92725/100000 [25:20<01:54, 63.63it/s] Training Step: 93%| | 92732/100000 [25:21<01:51, 64.90it/s] Training Step: 93%| Training Step: 92740/100000 [25:21<01:49, 66.26it/s] 93%| Training Step: 93%| | 92747/100000 [25:21<01:50, 65.35it/s] Training Step: | 92754/100000 [25:21<01:55, 62.87it/s] 93%| | 92761/100000 [25:21<01:59, 60.46it/s] Training Step: 93%| Training Step: 93%| | 92768/100000 [25:21<01:59, 60.49it/s] Training Step: 93%1 92775/100000 [25:21<01:59, 60.60it/s] Training Step: 93%| | 92782/100000 [25:21<02:00, 60.06it/s] Training Step: 93%1 | 92789/100000 [25:21<01:59, 60.46it/s] | 92796/100000 [25:22<01:59, 60.11it/s] Training Step: 93%| Training Step: 93%1 | 92803/100000 [25:22<01:55, 62.26it/s] Training Step: 93%| | 92810/100000 [25:22<01:55, 62.50it/s] Training Step: 93%| | 92817/100000 [25:22<01:57, 61.03it/s]

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Training Step:
                93%|
                          | 92824/100000 [25:22<02:03, 58.25it/s]
                93%|
                          | 92830/100000 [25:22<02:02, 58.55it/s]
Training Step:
Training Step:
                93%|
                          | 92836/100000 [25:22<02:02, 58.47it/s]
Training Step:
                93%|
                          | 92842/100000 [25:22<02:01, 58.90it/s]
Training Step:
                          92849/100000 [25:22<01:59, 59.68it/s]
                93%1
Training Step:
                93%|
                          | 92855/100000 [25:23<01:59, 59.60it/s]
Training Step:
                93%|
                          | 92861/100000 [25:23<02:02, 58.38it/s]
                          | 92867/100000 [25:23<02:01, 58.51it/s]
Training Step:
                93%|
Training Step:
                93%|
                          92873/100000 [25:23<02:02, 58.10it/s]
                          | 92879/100000 [25:23<02:01, 58.48it/s]
Training Step:
                93%|
                93%|
                         | 92885/100000 [25:23<02:02, 58.08it/s]
Training Step:
Training Step:
                93%|
                          | 92891/100000 [25:23<02:03, 57.75it/s]
                93%|
                          | 92897/100000 [25:23<02:03, 57.48it/s]
Training Step:
Training Step:
                93%1
                          | 92904/100000 [25:23<02:02, 58.08it/s]
                          | 92910/100000 [25:24<02:02, 57.96it/s]
Training Step:
                93%|
Training Step:
                93%|
                          | 92916/100000 [25:24<02:04, 56.76it/s]
Training Step:
                93%|
                          | 92922/100000 [25:24<02:08, 55.18it/s]
Training Step:
                93%|
                          | 92928/100000 [25:24<02:09, 54.40it/s]
Training Step:
                93%|
                          | 92934/100000 [25:24<02:08, 54.89it/s]
Training Step:
                93%1
                          | 92940/100000 [25:24<02:06, 56.00it/s]
Training Step:
                93%|
                          | 92946/100000 [25:24<02:05, 56.03it/s]
Training Step:
                         | 92952/100000 [25:24<02:05, 56.20it/s]
                93%|
Training Step:
                93%|
                          | 92958/100000 [25:24<02:04, 56.48it/s]
Training Step:
                93%|
                          | 92964/100000 [25:25<02:05, 56.20it/s]
Training Step:
                93%|
                         | 92970/100000 [25:25<02:04, 56.32it/s]
                93%|
                          | 92976/100000 [25:25<02:12, 52.97it/s]
Training Step:
                          | 92982/100000 [25:25<02:18, 50.72it/s]
Training Step:
                93%|
                          | 92988/100000 [25:25<02:22, 49.14it/s]
Training Step:
                93%|
                         | 92993/100000 [25:25<02:24, 48.48it/s]
Training Step:
                93%|
Training Step:
                93%|
                          | 92998/100000 [25:25<02:28, 47.00it/s]
Training Step:
                93%|
                          | 93003/100000 [25:25<02:35, 44.91it/s]
Training Step:
                93%|
                          | 93008/100000 [25:25<02:44, 42.55it/s]
Training Step:
                93%|
                          | 93013/100000 [25:26<02:43, 42.82it/s]
Training Step:
                93%|
                         | 93018/100000 [25:26<02:45, 42.26it/s]
Training Step:
                          | 93023/100000 [25:26<02:46, 41.88it/s]
                93%|
                         | 93028/100000 [25:26<02:47, 41.51it/s]
Training Step:
                93%|
Training Step:
                          | 93033/100000 [25:26<02:44, 42.28it/s]
                93%|
Training Step:
                93%|
                          93038/100000 [25:26<02:45, 42.10it/s]
Training Step:
                93%|
                          | 93043/100000 [25:26<02:40, 43.38it/s]
                          | 93048/100000 [25:26<02:40,
Training Step:
                93%|
43.30it/s][INFO] Episode ended! Scenario Index: 1006 Reason:
out_of_road.
                          93053/100000 [25:27<02:59, 38.73it/s]
Training Step:
                93%|
                          | 93061/100000 [25:27<02:21, 49.00it/s]
Training Step:
                93%1
Training Step:
                93%1
                          | 93070/100000 [25:27<02:01, 57.20it/s]
Training Step:
                93%|
                          | 93078/100000 [25:27<01:50, 62.89it/s]
Training Step:
                93%|
                          | 93086/100000 [25:27<01:42, 67.56it/s]
```

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Training Step:
                93%|
                          | 93094/100000 [25:27<01:39, 69.68it/s]
                93%|
Training Step:
                          | 93102/100000 [25:27<01:36, 71.38it/s]
Training Step:
                93%|
                          | 93110/100000 [25:27<01:36, 71.20it/s]
Training Step:
                93%|
                         | 93118/100000 [25:27<01:35, 72.05it/s]
Training Step:
                          | 93126/100000 [25:28<01:34, 72.61it/s]
                93%1
Training Step:
                93%|
                         | 93134/100000 [25:28<01:35, 71.58it/s]
Training Step:
                93%|
                          | 93142/100000 [25:28<01:36, 71.42it/s]
                          | 93150/100000 [25:28<01:35, 71.81it/s]
Training Step:
                93%|
Training Step:
                         | 93158/100000 [25:28<01:36, 70.55it/s]
                93%|
Training Step:
                93%|
                          | 93166/100000 [25:28<01:38, 69.34it/s]
                93%|
                         | 93173/100000 [25:28<01:40, 68.04it/s]
Training Step:
Training Step:
                          | 93180/100000 [25:28<01:43, 65.69it/s]
                93%|
                         | 93187/100000 [25:28<01:44, 65.44it/s]
Training Step:
                93%|
                          | 93194/100000 [25:29<01:45, 64.56it/s]
Training Step:
                93%|
                          | 93201/100000 [25:29<01:44, 65.16it/s]
Training Step:
                93%|
                93%|
                          | 93208/100000 [25:29<01:46,
Training Step:
63.66it/s][INFO] Episode ended! Scenario Index: 1014 Reason: crash
vehicle
Training Step:
                93%|
                          | 93215/100000 [25:29<01:56, 58.45it/s]
Training Step:
                93%|
                          93224/100000 [25:29<01:43, 65.50it/s]
Training Step:
                          | 93233/100000 [25:29<01:34, 71.31it/s]
                93%|
Training Step:
                93%|
                          | 93241/100000 [25:29<01:40, 67.23it/s]
Training Step:
                93%|
                          | 93249/100000 [25:29<01:36, 69.86it/s]
Training Step:
                93%|
                         | 93257/100000 [25:29<01:36, 69.95it/s]
                          | 93265/100000 [25:30<01:33, 71.71it/s]
Training Step:
                93%|
                         | 93273/100000 [25:30<01:32, 72.40it/s]
Training Step:
                93%|
                          | 93281/100000 [25:30<01:36, 69.89it/s]
Training Step:
                93%|
                         | 93289/100000 [25:30<01:36, 69.58it/s]
Training Step:
                93%|
Training Step:
                93%|
                          | 93296/100000 [25:30<01:36, 69.50it/s]
Training Step:
                93%|
                          | 93304/100000 [25:30<01:36, 69.52it/s]
Training Step:
                93%|
                         | 93312/100000 [25:30<01:35, 69.91it/s]
Training Step:
                93%|
                          | 93320/100000 [25:30<01:35, 69.99it/s]
Training Step:
                93%|
                         | 93328/100000 [25:30<01:34, 70.42it/s]
Training Step:
                         | 93336/100000 [25:31<01:34, 70.72it/s]
                93%|
                         | 93344/100000 [25:31<01:33, 71.12it/s]
Training Step:
                93%|
Training Step:
                          | 93352/100000 [25:31<01:31, 72.38it/s]
                93%|
Training Step:
                93%|
                         | 93360/100000 [25:31<01:30, 73.08it/s]
Training Step:
                          | 93368/100000 [25:31<01:29, 73.78it/s]
                93%|
                          | 93376/100000 [25:31<01:29, 74.28it/s]
Training Step:
                93%|
Training Step:
                93%|
                          | 93384/100000 [25:31<01:30, 73.40it/s]
Training Step:
                93%1
                          | 93392/100000 [25:31<01:32,
71.24it/s][INFO] Episode ended! Scenario Index: 1014 Reason: crash
vehicle
Training Step:
                93%|
                          | 93400/100000 [25:32<01:46, 62.01it/s]
Training Step:
                93%|
                          | 93408/100000 [25:32<01:40, 65.36it/s]
Training Step:
                93%|
                          | 93416/100000 [25:32<01:36, 67.92it/s]
```

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Training Step:
                93%|
                          | 93424/100000 [25:32<01:35, 68.94it/s]
                93%|
                          | 93432/100000 [25:32<01:35, 68.77it/s]
Training Step:
Training Step:
                93%1
                          | 93439/100000 [25:32<01:36, 67.98it/s]
Training Step:
                93%|
                          | 93446/100000 [25:32<01:37, 67.22it/s]
Training Step:
                          93453/100000 [25:32<01:37, 67.06it/s]
                93%1
Training Step:
                93%|
                          | 93460/100000 [25:32<01:38, 66.21it/s]
Training Step:
                93%|
                          | 93467/100000 [25:33<01:39, 65.80it/s]
                          | 93474/100000 [25:33<01:41, 64.09it/s]
Training Step:
                93%|
Training Step:
                93%|
                          | 93481/100000 [25:33<01:41, 64.13it/s]
                          | 93488/100000 [25:33<01:47, 60.52it/s]
Training Step:
                93%|
                93%|
                          | 93495/100000 [25:33<01:52, 57.93it/s]
Training Step:
Training Step:
                94%|
                          | 93501/100000 [25:33<01:56, 55.57it/s]
                          | 93507/100000 [25:33<01:58, 54.59it/s]
Training Step:
                94%|
Training Step:
                          | 93513/100000 [25:33<02:00, 53.61it/s]
                94%|
                          | 93519/100000 [25:33<02:01, 53.32it/s]
Training Step:
                94%|
Training Step:
                94%|
                          | 93525/100000 [25:34<01:58, 54.82it/s]
Training Step:
                94%|
                          | 93531/100000 [25:34<01:58, 54.45it/s]
Training Step:
                94%1
                          | 93537/100000 [25:34<01:59, 54.19it/s]
Training Step:
                94%|
                          | 93543/100000 [25:34<01:57, 55.03it/s]
Training Step:
                94%1
                          | 93550/100000 [25:34<01:55, 56.08it/s]
Training Step:
                94%|
                          | 93556/100000 [25:34<01:55, 55.93it/s]
Training Step:
                          | 93562/100000 [25:34<01:55, 55.76it/s]
                94%|
Training Step:
                94%|
                          | 93568/100000 [25:34<01:58, 54.29it/s]
Training Step:
                94%|
                          | 93574/100000 [25:34<02:00, 53.42it/s]
Training Step:
                94%|
                          | 93580/100000 [25:35<02:01, 52.91it/s]
Training Step:
                94%|
                          | 93586/100000 [25:35<02:01, 52.69it/s]
                          | 93592/100000 [25:35<02:01, 52.67it/s]
Training Step:
                94%|
                          | 93598/100000 [25:35<02:00, 53.22it/s]
Training Step:
                94%|
                          | 93604/100000 [25:35<01:58, 53.75it/s]
Training Step:
                94%|
Training Step:
                94%|
                          | 93610/100000 [25:35<01:57, 54.58it/s]
Training Step:
                94%|
                          | 93616/100000 [25:35<01:57, 54.27it/s]
Training Step:
                94%|
                          | 93622/100000 [25:35<01:59, 53.48it/s]
Training Step:
                94%|
                          | 93628/100000 [25:35<02:01, 52.39it/s]
Training Step:
                94%|
                          | 93634/100000 [25:36<02:01, 52.19it/s]
Training Step:
                          | 93640/100000 [25:36<02:02, 51.91it/s]
                94%|
                          | 93647/100000 [25:36<01:55, 54.87it/s]
Training Step:
                94%|
Training Step:
                          93654/100000 [25:36<01:51, 56.68it/s]
                94%|
Training Step:
                94%1
                          | 93660/100000 [25:36<01:50, 57.58it/s]
Training Step:
                          | 93667/100000 [25:36<01:46, 59.39it/s]
                94%|
                          | 93674/100000 [25:36<01:43, 61.16it/s]
Training Step:
                94%|
Training Step:
                94%|
                          | 93682/100000 [25:36<01:39, 63.43it/s]
Training Step:
                94%1
                          | 93689/100000 [25:36<01:37, 64.55it/s]
Training Step:
                94%|
                          | 93696/100000 [25:37<01:36, 65.42it/s]
Training Step:
                94%1
                          93703/100000 [25:37<01:34, 66.43it/s]
                          | 93710/100000 [25:37<01:44, 60.17it/s]
Training Step:
                94%|
Training Step:
                94%1
                          | 93718/100000 [25:37<01:40, 62.80it/s]
Training Step:
                94%1
                          | 93726/100000 [25:37<01:35,
65.66it/s][INFO] Episode ended! Scenario Index: 1016 Reason:
```

arrive_dest.

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Training Step:
                94%1
                          | 93733/100000 [25:37<01:46, 58.97it/s]
Training Step:
                94%|
                          93741/100000 [25:37<01:38, 63.70it/s]
Training Step:
                          93749/100000 [25:37<01:31, 68.02it/s]
                94%1
Training Step:
                94%|
                          93757/100000 [25:38<01:29, 69.78it/s]
Training Step:
                94%|
                          | 93765/100000 [25:38<01:29, 69.53it/s]
                          | 93773/100000 [25:38<01:27, 71.04it/s]
Training Step:
                94%|
Training Step:
                          93781/100000 [25:38<01:26, 71.54it/s]
                94%|
Training Step:
                94%|
                          | 93789/100000 [25:38<01:25, 72.49it/s]
                94%|
                          | 93797/100000 [25:38<01:25, 72.36it/s]
Training Step:
Training Step:
                94%1
                          | 93805/100000 [25:38<01:24, 73.07it/s]
                          | 93813/100000 [25:38<01:25, 72.77it/s]
Training Step:
                94%|
                          93821/100000 [25:38<01:25, 72.56it/s]
Training Step:
                94%|
                          | 93829/100000 [25:39<01:26, 71.44it/s]
Training Step:
                94%1
                94%1
                          | 93837/100000 [25:39<01:29, 68.85it/s]
Training Step:
Training Step:
                94%|
                          | 93844/100000 [25:39<01:33, 65.77it/s]
Training Step:
                94%1
                          | 93851/100000 [25:39<01:39, 61.92it/s]
Training Step:
                94%|
                          93858/100000 [25:39<01:41, 60.70it/s]
Training Step:
                94%1
                          | 93865/100000 [25:39<01:39, 61.68it/s]
Training Step:
                94%|
                          93872/100000 [25:39<01:39, 61.60it/s]
                          | 93879/100000 [25:39<01:39, 61.70it/s]
Training Step:
                94%|
Training Step:
                94%|
                          | 93886/100000 [25:39<01:42, 59.44it/s]
Training Step:
                          | 93892/100000 [25:40<01:43, 58.97it/s]
                94%|
Training Step:
                94%|
                          | 93898/100000 [25:40<01:46, 57.22it/s]
                          | 93904/100000 [25:40<01:49, 55.85it/s]
Training Step:
                94%|
                          | 93910/100000 [25:40<01:47, 56.52it/s]
Training Step:
                94%1
Training Step:
                94%|
                          | 93916/100000 [25:40<01:46, 57.17it/s]
                          | 93922/100000 [25:40<01:46, 57.32it/s]
Training Step:
                94%|
Training Step:
                94%|
                          | 93928/100000 [25:40<01:45, 57.76it/s]
Training Step:
                94%1
                          | 93934/100000 [25:40<01:45, 57.57it/s]
Training Step:
                94%|
                          | 93941/100000 [25:40<01:41, 59.62it/s]
Training Step:
                94%1
                          | 93948/100000 [25:41<01:39, 61.02it/s]
Training Step:
                94%|
                          | 93955/100000 [25:41<01:36, 62.87it/s]
Training Step:
                          93962/100000 [25:41<01:35, 63.46it/s]
                94%|
                          | 93969/100000 [25:41<01:39, 60.48it/s]
Training Step:
                94%|
Training Step:
                          93976/100000 [25:41<01:46, 56.72it/s]
                94%|
Training Step:
                94%1
                          93982/100000 [25:41<01:46, 56.61it/s]
Training Step:
                          | 93988/100000 [25:41<01:47, 55.73it/s]
                94%|
                          | 93995/100000 [25:41<01:44, 57.41it/s]
Training Step:
                94%|
Training Step:
                94%|
                          | 94001/100000 [25:41<01:48, 55.26it/s]
Training Step:
                94%1
                          94008/100000 [25:42<01:45, 56.64it/s]
Training Step:
                94%|
                          | 94014/100000 [25:42<01:45, 56.93it/s]
                          94020/100000 [25:42<01:44, 57.30it/s]
Training Step:
                94%|
                          | 94026/100000 [25:42<01:44, 57.26it/s]
Training Step:
                94%1
Training Step:
                94%1
                          | 94032/100000 [25:42<01:43, 57.71it/s]
Training Step:
                94%|
                          | 94038/100000 [25:42<01:43, 57.87it/s]
Training Step:
                94%|
                          | 94045/100000 [25:42<01:39, 59.82it/s]
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Training Step:
                94%|
                          | 94051/100000 [25:42<01:39, 59.70it/s]
                          | 94058/100000 [25:42<01:37, 60.75it/s]
Training Step:
                94%|
Training Step:
                94%|
                          | 94065/100000 [25:43<01:34, 62.86it/s]
Training Step:
                94%|
                          | 94072/100000 [25:43<01:33, 63.10it/s]
Training Step:
                          94080/100000 [25:43<01:31, 64.61it/s]
                94%1
Training Step:
                94%|
                          | 94088/100000 [25:43<01:29, 65.96it/s]
Training Step:
                94%|
                          | 94095/100000 [25:43<01:28, 66.90it/s]
Training Step:
                94%|
                          94102/100000 [25:43<01:30, 64.84it/s]
Training Step:
                         | 94109/100000 [25:43<01:35, 61.99it/s]
                94%|
Training Step:
                94%|
                          | 94116/100000 [25:43<01:37, 60.52it/s]
                94%|
                         | 94123/100000 [25:43<01:34, 62.23it/s]
Training Step:
Training Step:
                94%|
                          | 94130/100000 [25:44<01:32, 63.32it/s]
                          | 94138/100000 [25:44<01:30, 64.89it/s]
Training Step:
                94%|
Training Step:
                94%|
                          94146/100000 [25:44<01:27,
66.66it/s][INFO] Episode ended! Scenario Index: 1019 Reason:
arrive_dest.
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Training Step: 94%| | 94153/100000 [25:44<01:37, 59.85it/s] Training Step: 94%| 94161/100000 [25:44<01:32, 63.25it/s] Training Step: 94%1 | 94168/100000 [25:44<01:30, 64.35it/s] Training Step: 94%| 94176/100000 [25:44<01:28, 65.92it/s] | 94184/100000 [25:44<01:27, 66.66it/s] Training Step: 94%| Training Step: 94%| | 94191/100000 [25:44<01:26, 66.84it/s] Training Step: | 94199/100000 [25:45<01:24, 68.40it/s] 94%| Training Step: 94%| | 94206/100000 [25:45<01:25, 67.71it/s] 94%| | 94213/100000 [25:45<01:25, 67.60it/s] Training Step: | 94220/100000 [25:45<01:25, 67.32it/s] Training Step: 94%| | 94228/100000 [25:45<01:23, 68.97it/s] Training Step: 94%| | 94235/100000 [25:45<01:27, 66.08it/s] Training Step: 94%| Training Step: 94%| | 94242/100000 [25:45<01:29, 64.47it/s] Training Step: 94%| | 94249/100000 [25:45<01:31, 62.88it/s] Training Step: 94%| | 94256/100000 [25:45<01:33, 61.70it/s] Training Step: 94%| | 94263/100000 [25:46<01:31, 62.66it/s] Training Step: 94%| | 94270/100000 [25:46<01:34, 60.67it/s] Training Step: | 94277/100000 [25:46<01:34, 60.42it/s] 94%| | 94284/100000 [25:46<01:39, 57.58it/s] Training Step: 94%| Training Step: | 94290/100000 [25:46<01:39, 57.31it/s] 94%| Training Step: 94%| | 94296/100000 [25:46<01:41, 56.22it/s] Training Step: | 94302/100000 [25:46<01:39, 57.09it/s] 94%| | 94308/100000 [25:46<01:39, 57.26it/s] Training Step: 94%| Training Step: 94%| | 94314/100000 [25:47<01:40, 56.60it/s] Training Step: 94%| 94320/100000 [25:47<01:41, 56.13it/s] Training Step: 94%| | 94326/100000 [25:47<01:41, 55.65it/s] Training Step: 94332/100000 [25:47<01:44, 54.43it/s] 94%| | 94338/100000 [25:47<01:43, 54.91it/s] Training Step: 94%| Training Step: 94%| | 94344/100000 [25:47<01:41, 55.56it/s] Training Step: 94%| | 94350/100000 [25:47<01:39, 56.81it/s] Training Step: 94%| | 94356/100000 [25:47<01:38, 57.24it/s]

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Training Step:
                94%|
                          | 94362/100000 [25:47<01:39, 56.88it/s]
Training Step:
                94%|
                          | 94369/100000 [25:47<01:35, 59.13it/s]
Training Step:
                94%|
                          | 94376/100000 [25:48<01:35, 58.94it/s]
Training Step:
                94%|
                          | 94382/100000 [25:48<01:37, 57.78it/s]
Training Step:
                          94388/100000 [25:48<01:40, 55.96it/s]
                94%1
Training Step:
                94%|
                          | 94394/100000 [25:48<01:42, 54.51it/s]
Training Step:
                94%|
                          | 94400/100000 [25:48<01:41, 55.26it/s]
                          | 94406/100000 [25:48<01:39, 56.11it/s]
Training Step:
                94%|
Training Step:
                          94412/100000 [25:48<01:38, 56.73it/s]
                94%|
Training Step:
                94%|
                          | 94418/100000 [25:48<01:38, 56.69it/s]
                94%|
                          | 94424/100000 [25:48<01:38, 56.67it/s]
Training Step:
Training Step:
                94%|
                          | 94430/100000 [25:49<01:38, 56.65it/s]
                          | 94436/100000 [25:49<01:38, 56.32it/s]
Training Step:
                94%|
Training Step:
                          94442/100000 [25:49<01:40, 55.31it/s]
                94%|
                          | 94448/100000 [25:49<01:39, 55.69it/s]
Training Step:
                94%|
Training Step:
                94%|
                          | 94454/100000 [25:49<01:39, 55.81it/s]
Training Step:
                94%|
                          | 94460/100000 [25:49<01:39, 55.73it/s]
Training Step:
                94%|
                          | 94466/100000 [25:49<01:39, 55.52it/s]
Training Step:
                94%|
                          | 94472/100000 [25:49<01:38, 56.00it/s]
Training Step:
                94%1
                          | 94478/100000 [25:49<01:38, 56.18it/s]
                          | 94484/100000 [25:50<01:36, 57.11it/s]
Training Step:
                94%|
                          | 94490/100000 [25:50<01:36, 57.12it/s]
Training Step:
                94%|
Training Step:
                94%|
                          | 94496/100000 [25:50<01:35, 57.62it/s]
Training Step:
                          | 94502/100000 [25:50<01:35, 57.31it/s]
                95%|
Training Step:
                95%|
                          | 94509/100000 [25:50<01:33, 58.98it/s]
                          | 94516/100000 [25:50<01:32, 59.49it/s]
Training Step:
                95%|
Training Step:
                95%|
                          | 94523/100000 [25:50<01:28, 61.58it/s]
Training Step:
                95%|
                          | 94530/100000 [25:50<01:25,
63.97it/s][INFO] Episode ended! Scenario Index: 1001 Reason:
arrive_dest.
```

Training Step: 95%| | 94537/100000 [25:50<01:33, 58.61it/s] Training Step: 95%| | 94544/100000 [25:51<01:28, 61.34it/s] Training Step: 95%| | 94552/100000 [25:51<01:24, 64.19it/s] Training Step: | 94559/100000 [25:51<01:26, 62.85it/s] 95%| | 94566/100000 [25:51<01:30, 60.35it/s] Training Step: 95%| Training Step: 94573/100000 [25:51<01:32, 58.55it/s] 95%| Training Step: 95%| | 94579/100000 [25:51<01:34, 57.42it/s] Training Step: | 94585/100000 [25:51<01:35, 56.90it/s] 95%| | 94591/100000 [25:51<01:34, 57.43it/s] Training Step: 95%| Training Step: 95%| | 94597/100000 [25:51<01:33, 57.66it/s] Training Step: 95%| 94603/100000 [25:52<01:34, 57.19it/s] Training Step: 95%| | 94609/100000 [25:52<01:34, 56.86it/s] Training Step: 95%| 94615/100000 [25:52<01:34, 57.10it/s] | 94621/100000 [25:52<01:34, 56.95it/s] Training Step: 95%| Training Step: 95%| | 94627/100000 [25:52<01:34, 56.69it/s] Training Step: 95%| | 94633/100000 [25:52<01:35, 56.29it/s] Training Step: 95%| | 94639/100000 [25:52<01:34, 56.60it/s]

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Training Step:
                95%|
                          | 94645/100000 [25:52<01:33, 57.15it/s]
                95%|
Training Step:
                          | 94651/100000 [25:52<01:34, 56.82it/s]
Training Step:
                95%|
                          | 94657/100000 [25:52<01:33, 57.41it/s]
Training Step:
                95%|
                          94663/100000 [25:53<01:33, 57.33it/s]
Training Step:
                          94669/100000 [25:53<01:34, 56.46it/s]
                95%1
Training Step:
                95%|
                          94675/100000 [25:53<01:36, 55.26it/s]
Training Step:
                95%|
                          | 94681/100000 [25:53<01:35, 55.65it/s]
                          94687/100000 [25:53<01:36, 55.16it/s]
Training Step:
                95%|
Training Step:
                          94693/100000 [25:53<01:35, 55.28it/s]
                95%|
Training Step:
                95%|
                          | 94699/100000 [25:53<01:36, 55.21it/s]
                95%|
                          | 94705/100000 [25:53<01:34, 55.93it/s]
Training Step:
Training Step:
                          | 94711/100000 [25:53<01:34, 55.97it/s]
                95%|
                          | 94717/100000 [25:54<01:34, 56.16it/s]
Training Step:
                95%|
Training Step:
                          94724/100000 [25:54<01:31, 57.97it/s]
                95%|
                          | 94730/100000 [25:54<01:30, 58.21it/s]
Training Step:
                95%|
Training Step:
                95%|
                          | 94736/100000 [25:54<01:31, 57.57it/s]
Training Step:
                95%|
                          | 94743/100000 [25:54<01:28, 59.10it/s]
Training Step:
                95%|
                          | 94749/100000 [25:54<01:29, 58.36it/s]
Training Step:
                95%|
                          94755/100000 [25:54<01:32, 56.42it/s]
Training Step:
                95% [
                          94761/100000 [25:54<01:34, 55.43it/s]
                          94767/100000 [25:54<01:32, 56.44it/s]
Training Step:
                95%|
                          | 94773/100000 [25:55<01:32, 56.40it/s]
Training Step:
                95%|
Training Step:
                95%|
                          | 94779/100000 [25:55<01:32, 56.30it/s]
Training Step:
                95%|
                          | 94785/100000 [25:55<01:31, 56.71it/s]
Training Step:
                95%|
                          | 94791/100000 [25:55<01:31, 57.00it/s]
                          | 94797/100000 [25:55<01:31, 56.72it/s]
Training Step:
                95%|
                          | 94803/100000 [25:55<01:35, 54.23it/s]
Training Step:
                95%|
                          | 94809/100000 [25:55<01:35, 54.32it/s]
Training Step:
                95%|
                          | 94815/100000 [25:55<01:34, 55.14it/s]
Training Step:
                95%|
Training Step:
                95%|
                          | 94821/100000 [25:55<01:32, 56.04it/s]
Training Step:
                95%|
                          | 94828/100000 [25:56<01:30, 56.93it/s]
Training Step:
                95%|
                          | 94835/100000 [25:56<01:26, 59.59it/s]
Training Step:
                95%|
                          | 94841/100000 [25:56<01:27, 58.87it/s]
Training Step:
                95%|
                          94847/100000 [25:56<01:28, 58.36it/s]
Training Step:
                          94853/100000 [25:56<01:30, 56.57it/s]
                95%|
                          | 94860/100000 [25:56<01:28, 57.91it/s]
Training Step:
                95%|
Training Step:
                          94866/100000 [25:56<01:27, 58.49it/s]
                95%|
Training Step:
                95%|
                          94872/100000 [25:56<01:32, 55.15it/s]
Training Step:
                          | 94878/100000 [25:56<01:33, 54.82it/s]
                95%|
                          | 94884/100000 [25:57<01:32, 55.01it/s]
Training Step:
                95%|
Training Step:
                95%|
                          | 94890/100000 [25:57<01:33, 54.77it/s]
Training Step:
                95%|
                          94896/100000 [25:57<01:31, 55.52it/s]
Training Step:
                95%|
                          | 94902/100000 [25:57<01:32, 54.92it/s]
Training Step:
                          94908/100000 [25:57<01:35, 53.07it/s]
                95%|
                          | 94914/100000 [25:57<01:36, 52.52it/s]
Training Step:
                95%|
Training Step:
                95%|
                          | 94920/100000 [25:57<01:36, 52.83it/s]
Training Step:
                95%|
                          | 94926/100000 [25:57<01:32, 54.64it/s]
Training Step:
                95%|
                          | 94933/100000 [25:57<01:27, 57.66it/s]
```

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Training Step:
                95%|
                          | 94940/100000 [25:58<01:25, 59.30it/s]
                95%|
                          | 94947/100000 [25:58<01:21, 61.78it/s]
Training Step:
Training Step:
                95%|
                          | 94954/100000 [25:58<01:19, 63.22it/s]
Training Step:
                95%|
                          | 94962/100000 [25:58<01:16, 65.94it/s]
Training Step:
                          94970/100000 [25:58<01:12, 68.95it/s]
                95%1
Training Step:
                95%|
                          94979/100000 [25:58<01:09, 72.68it/s]
Training Step:
                95%|
                          | 94987/100000 [25:58<01:08, 73.71it/s]
Training Step:
                95%1
                          | 94995/100000 [25:58<01:07,
74.44it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
arrive_dest.
```

| 95003/100000 [25:58<01:16, 65.52it/s] Training Step: 95%| Training Step: 95%| | 95011/100000 [25:59<01:12, 68.94it/s] Training Step: 95%| 95019/100000 [25:59<01:10, 70.78it/s] | 95027/100000 [25:59<01:14, 66.97it/s] Training Step: 95%| Training Step: 95%| | 95034/100000 [25:59<01:19, 62.85it/s] | 95041/100000 [25:59<01:19, 62.20it/s] Training Step: 95%| Training Step: 95%| | 95048/100000 [25:59<01:21, 60.44it/s] Training Step: 95%| | 95055/100000 [25:59<01:21, 60.56it/s] | 95062/100000 [25:59<01:22, 59.89it/s] Training Step: 95%1 | 95069/100000 [25:59<01:22, 60.02it/s] Training Step: 95%| Training Step: | 95076/100000 [26:00<01:22, 59.66it/s] 95%| Training Step: 95%| 95082/100000 [26:00<01:22, 59.28it/s] Training Step: 95%| 95089/100000 [26:00<01:21, 60.23it/s] | 95096/100000 [26:00<01:23, 58.88it/s] Training Step: 95%| Training Step: 95%| | 95102/100000 [26:00<01:24, 58.09it/s] | 95108/100000 [26:00<01:23, 58.45it/s] Training Step: 95%| | 95115/100000 [26:00<01:22, 59.52it/s] Training Step: 95%| | 95121/100000 [26:00<01:22, 59.32it/s] Training Step: 95%| Training Step: 95%| | 95128/100000 [26:00<01:22, 59.32it/s] Training Step: 95%| | 95134/100000 [26:01<01:21, 59.35it/s] Training Step: 95%| | 95140/100000 [26:01<01:21, 59.36it/s] Training Step: 95%| | 95147/100000 [26:01<01:20, 60.01it/s] Training Step: 95%| | 95153/100000 [26:01<01:21, 59.33it/s] Training Step: 95159/100000 [26:01<01:24, 57.60it/s] 95%| | 95165/100000 [26:01<01:23, 58.02it/s] Training Step: 95%| Training Step: 95171/100000 [26:01<01:22, 58.49it/s] 95%| Training Step: 95%1 95178/100000 [26:01<01:21, 59.26it/s] Training Step: | 95184/100000 [26:01<01:21, 59.30it/s] 95%| | 95191/100000 [26:02<01:20, 59.80it/s] Training Step: 95%| Training Step: 95%| | 95197/100000 [26:02<01:20, 59.85it/s] | 95203/100000 [26:02<01:20, 59.55it/s] Training Step: 95%| Training Step: 95%| | 95209/100000 [26:02<01:20, 59.17it/s] Training Step: 95%| 95216/100000 [26:02<01:20, 59.38it/s] | 95222/100000 [26:02<01:20, 59.56it/s] Training Step: 95%| Training Step: 95%| | 95228/100000 [26:02<01:21, 58.84it/s] Training Step: 95%| | 95235/100000 [26:02<01:18, 60.32it/s] Training Step: 95%| | 95242/100000 [26:02<01:19, 60.16it/s]

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Training Step:
                95%|
                          | 95249/100000 [26:03<01:19, 59.42it/s]
                95%|
Training Step:
                          | 95256/100000 [26:03<01:19, 59.55it/s]
Training Step:
                95%|
                          | 95262/100000 [26:03<01:20, 58.87it/s]
Training Step:
                95%|
                          | 95268/100000 [26:03<01:22, 57.58it/s]
Training Step:
                          | 95274/100000 [26:03<01:32, 51.14it/s]
                95%1
Training Step:
                95%|
                          95280/100000 [26:03<01:32, 50.80it/s]
Training Step:
                95%|
                          | 95286/100000 [26:03<01:32, 50.82it/s]
                          | 95292/100000 [26:03<01:30, 52.19it/s]
Training Step:
                95%|
Training Step:
                          | 95298/100000 [26:03<01:30, 51.98it/s]
                95%|
                          | 95304/100000 [26:04<01:29, 52.72it/s]
Training Step:
                95%|
                95%|
                          | 95310/100000 [26:04<01:30, 52.01it/s]
Training Step:
Training Step:
                          | 95316/100000 [26:04<01:30, 51.79it/s]
                95%|
                          | 95322/100000 [26:04<01:27, 53.28it/s]
Training Step:
                95%|
Training Step:
                          95328/100000 [26:04<01:25, 54.68it/s]
                95%|
                          | 95335/100000 [26:04<01:21, 57.06it/s]
Training Step:
                95%|
Training Step:
                95%|
                          | 95342/100000 [26:04<01:20, 57.61it/s]
Training Step:
                95%|
                          | 95349/100000 [26:04<01:18, 59.07it/s]
Training Step:
                95%|
                          | 95355/100000 [26:04<01:18, 59.33it/s]
Training Step:
                95%|
                          95362/100000 [26:05<01:18, 59.01it/s]
Training Step:
                95%1
                          | 95368/100000 [26:05<01:18, 58.96it/s]
Training Step:
                95%|
                          95374/100000 [26:05<01:20, 57.31it/s]
Training Step:
                          | 95380/100000 [26:05<01:21, 56.48it/s]
                95%|
Training Step:
                95%|
                          95387/100000 [26:05<01:19, 58.00it/s]
Training Step:
                95%|
                          | 95394/100000 [26:05<01:18, 59.04it/s]
Training Step:
                95%|
                          | 95401/100000 [26:05<01:16, 60.40it/s]
                          | 95408/100000 [26:05<01:16, 60.06it/s]
Training Step:
                95%|
                          | 95415/100000 [26:05<01:16, 60.12it/s]
Training Step:
                95%|
                          | 95422/100000 [26:06<01:14, 61.29it/s]
Training Step:
                95%|
                          95430/100000 [26:06<01:09, 65.54it/s]
Training Step:
                95%|
Training Step:
                95%|
                          | 95438/100000 [26:06<01:07, 67.88it/s]
Training Step:
                95%|
                          | 95446/100000 [26:06<01:05,
69.71it/s][INFO] Episode ended! Scenario Index: 1008 Reason:
arrive_dest.
```

95453/100000 [26:06<01:15, 60.58it/s] Training Step: 95%| | 95461/100000 [26:06<01:10, 64.28it/s] Training Step: 95%| Training Step: | 95469/100000 [26:06<01:06, 68.10it/s] 95%| Training Step: 95%| 95476/100000 [26:06<01:07, 67.51it/s] Training Step: | 95483/100000 [26:06<01:06, 68.01it/s] 95%| | 95491/100000 [26:07<01:04, 70.02it/s] Training Step: 95%| Training Step: 95%| | 95499/100000 [26:07<01:04, 70.26it/s] Training Step: 96%1 95507/100000 [26:07<01:02, 71.99it/s] Training Step: 96%| | 95515/100000 [26:07<01:03, 70.46it/s] Training Step: 95523/100000 [26:07<01:06, 67.66it/s] 96%| | 95530/100000 [26:07<01:07, 66.33it/s] Training Step: 96%| Training Step: 96%1 | 95537/100000 [26:07<01:07, 66.25it/s] Training Step: 96%| | 95544/100000 [26:07<01:08, 65.30it/s] Training Step: 96%| | 95551/100000 [26:07<01:08, 64.98it/s]

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Training Step:
                96%1
                          | 95558/100000 [26:08<01:12, 61.10it/s]
                96%1
                          | 95565/100000 [26:08<01:12, 60.94it/s]
Training Step:
Training Step:
                96%1
                          | 95572/100000 [26:08<01:13, 60.04it/s]
Training Step:
                96%|
                          | 95579/100000 [26:08<01:13, 59.98it/s]
Training Step:
                          95586/100000 [26:08<01:12, 60.71it/s]
                96%1
Training Step:
                96%|
                          | 95593/100000 [26:08<01:11, 61.88it/s]
Training Step:
                96%|
                          95600/100000 [26:08<01:11, 61.74it/s]
                          95607/100000 [26:08<01:10, 62.63it/s]
Training Step:
                96%1
Training Step:
                96%|
                          95614/100000 [26:09<01:10, 62.59it/s]
                          | 95621/100000 [26:09<01:08, 64.28it/s]
Training Step:
                96%|
                96%1
                          | 95628/100000 [26:09<01:08, 63.74it/s]
Training Step:
Training Step:
                96%1
                          | 95635/100000 [26:09<01:08, 63.88it/s]
                96%1
                          | 95642/100000 [26:09<01:10, 61.46it/s]
Training Step:
Training Step:
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                          95649/100000 [26:09<01:14, 58.37it/s]
                          | 95655/100000 [26:09<01:17, 55.86it/s]
Training Step:
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Training Step:
                96%1
                          | 95661/100000 [26:09<01:21, 53.56it/s]
Training Step:
                96%1
                          | 95667/100000 [26:09<01:22, 52.37it/s]
Training Step:
                96%1
                          | 95673/100000 [26:10<01:25, 50.41it/s]
Training Step:
                96%|
                          | 95679/100000 [26:10<01:26, 50.05it/s]
Training Step:
                96%1
                          95685/100000 [26:10<01:28, 48.60it/s]
Training Step:
                96%|
                          95690/100000 [26:10<01:31, 47.09it/s]
Training Step:
                          | 95695/100000 [26:10<01:31, 47.17it/s]
                96%|
Training Step:
                96%|
                          | 95700/100000 [26:10<01:30, 47.67it/s]
Training Step:
                96%|
                          95705/100000 [26:10<01:28, 48.31it/s]
                          | 95711/100000 [26:10<01:26, 49.38it/s]
Training Step:
                96%|
Training Step:
                96%1
                          | 95716/100000 [26:10<01:26, 49.55it/s]
                          | 95722/100000 [26:11<01:26, 49.56it/s]
Training Step:
                96%1
                          | 95728/100000 [26:11<01:25, 49.70it/s]
Training Step:
                96%1
                          | 95734/100000 [26:11<01:24, 50.45it/s]
Training Step:
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Training Step:
                96%1
                          | 95740/100000 [26:11<01:22, 51.78it/s]
Training Step:
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                          | 95746/100000 [26:11<01:21, 51.90it/s]
Training Step:
                96%1
                          | 95752/100000 [26:11<01:20, 52.96it/s]
Training Step:
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                          | 95758/100000 [26:11<01:18, 53.72it/s]
Training Step:
                96%|
                          95764/100000 [26:11<01:23, 50.66it/s]
Training Step:
                96%|
                          | 95770/100000 [26:12<01:23, 50.85it/s]
                          | 95776/100000 [26:12<01:20, 52.32it/s]
Training Step:
                96%|
Training Step:
                          | 95782/100000 [26:12<01:19, 53.11it/s]
                96%|
Training Step:
                96%1
                          95788/100000 [26:12<01:17, 54.41it/s]
Training Step:
                96%|
                          | 95795/100000 [26:12<01:13, 57.02it/s]
                          | 95801/100000 [26:12<01:12, 57.69it/s]
Training Step:
                96%|
Training Step:
                96%|
                          | 95807/100000 [26:12<01:13, 57.14it/s]
Training Step:
                96%1
                          95814/100000 [26:12<01:11, 58.61it/s]
Training Step:
                96%1
                          | 95821/100000 [26:12<01:08, 60.62it/s]
Training Step:
                96%1
                          95828/100000 [26:13<01:09, 60.21it/s]
                          | 95835/100000 [26:13<01:07, 61.39it/s]
Training Step:
                96%1
Training Step:
                96%1
                          | 95842/100000 [26:13<01:06, 62.92it/s]
Training Step:
                96%1
                          | 95850/100000 [26:13<01:03, 64.99it/s]
Training Step:
                96%1
                          | 95858/100000 [26:13<01:02, 66.40it/s]
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Training Step:
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                          | 95866/100000 [26:13<01:00, 68.27it/s]
Training Step:
                96%|
                          | 95874/100000 [26:13<00:58, 70.36it/s]
Training Step:
                96%1
                          | 95882/100000 [26:13<00:57, 71.46it/s]
Training Step:
                96%|
                          | 95890/100000 [26:13<00:55, 73.66it/s]
Training Step:
                          95899/100000 [26:13<00:53, 77.23it/s]
                96%1
Training Step:
                96%|
                          95908/100000 [26:14<00:51, 79.53it/s]
Training Step:
                96%|
                          95917/100000 [26:14<00:50,
81.14it/s][INFO] Episode ended! Scenario Index: 1002 Reason:
arrive dest.
                          | 95926/100000 [26:14<01:00, 67.72it/s]
Training Step:
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Training Step:
                          | 95934/100000 [26:14<00:57, 70.77it/s]
                96%|
                          | 95943/100000 [26:14<00:55, 73.70it/s]
Training Step:
                96%|
                          95951/100000 [26:14<00:54, 74.59it/s]
Training Step:
                96%1
                          | 95959/100000 [26:14<00:54, 74.44it/s]
Training Step:
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Training Step:
                96%1
                          | 95967/100000 [26:14<00:53, 75.35it/s]
Training Step:
                96%|
                          | 95975/100000 [26:15<00:53, 75.90it/s]
Training Step:
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                          | 95983/100000 [26:15<00:52, 76.42it/s]
Training Step:
                96%|
                          | 95991/100000 [26:15<00:52, 76.78it/s]
Training Step:
                96%1
                          | 95999/100000 [26:15<00:52, 75.96it/s]
Training Step:
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                          96007/100000 [26:15<00:56, 70.99it/s]
Training Step:
                          | 96015/100000 [26:15<00:54, 72.47it/s]
                96%|
Training Step:
                96%|
                          96023/100000 [26:15<00:54, 72.94it/s]
Training Step:
                          | 96031/100000 [26:15<00:56, 70.57it/s]
                96%|
Training Step:
                96%|
                          | 96039/100000 [26:15<00:57, 68.81it/s]
                          | 96046/100000 [26:16<00:58, 67.15it/s]
Training Step:
                96%|
                          | 96053/100000 [26:16<00:59, 66.65it/s]
Training Step:
                96%|
                          | 96060/100000 [26:16<01:00, 65.59it/s]
Training Step:
                96%1
                          | 96067/100000 [26:16<01:00, 65.36it/s]
Training Step:
                96%|
Training Step:
                96%1
                          | 96074/100000 [26:16<01:02, 62.47it/s]
```

Training Step:

Training Step:

Training Step:

96%1

96%|

96%|

| 96081/100000 [26:16<01:03, 62.16it/s]

| 96088/100000 [26:16<01:04, 60.19it/s]

| 96095/100000 [26:16<01:05, 59.33it/s]

```
Training Step:
                96%|
                          | 96201/100000 [26:18<01:03, 60.26it/s]
Training Step:
                96%|
                          | 96208/100000 [26:18<01:04, 58.61it/s]
Training Step:
                96%1
                          | 96214/100000 [26:18<01:05, 58.06it/s]
Training Step:
                96%|
                          | 96220/100000 [26:18<01:06, 56.89it/s]
Training Step:
                          96226/100000 [26:19<01:06, 56.81it/s]
                96%1
Training Step:
                96%|
                          96232/100000 [26:19<01:06, 56.75it/s]
Training Step:
                96%|
                          | 96238/100000 [26:19<01:06, 56.75it/s]
                          | 96245/100000 [26:19<01:03, 58.87it/s]
Training Step:
                96%|
Training Step:
                          96252/100000 [26:19<01:02, 60.04it/s]
                96%|
Training Step:
                96%|
                          | 96259/100000 [26:19<00:59, 62.48it/s]
                96%|
                          | 96266/100000 [26:19<01:00, 61.98it/s]
Training Step:
Training Step:
                96%|
                          | 96273/100000 [26:19<00:59, 62.31it/s]
                          | 96280/100000 [26:19<00:58, 63.22it/s]
Training Step:
                96%|
                          96288/100000 [26:20<00:57, 65.02it/s]
Training Step:
                96%|
                          | 96296/100000 [26:20<00:55, 67.13it/s]
Training Step:
                96%|
Training Step:
                96%|
                          | 96304/100000 [26:20<00:53, 68.80it/s]
Training Step:
                96%1
                          | 96312/100000 [26:20<00:51,
71.52it/s][INFO] Episode ended! Scenario Index: 1001 Reason:
arrive_dest.
```

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Training Step:
                96%|
                          96320/100000 [26:20<01:00, 60.96it/s]
Training Step:
                          | 96328/100000 [26:20<00:56, 64.75it/s]
                96%|
Training Step:
                96%|
                          | 96336/100000 [26:20<00:54, 66.98it/s]
Training Step:
                          96343/100000 [26:20<00:55, 66.20it/s]
                96%|
Training Step:
                96%|
                          | 96350/100000 [26:20<00:56, 64.60it/s]
                          | 96358/100000 [26:21<00:54, 66.79it/s]
Training Step:
                96%|
                          | 96366/100000 [26:21<00:53, 67.80it/s]
Training Step:
                96%|
                          | 96373/100000 [26:21<00:53, 67.48it/s]
Training Step:
                96%|
                          | 96380/100000 [26:21<00:53, 67.43it/s]
Training Step:
                96%|
Training Step:
                96%1
                          | 96387/100000 [26:21<00:54, 66.30it/s]
Training Step:
                96%1
                          | 96394/100000 [26:21<00:55, 64.58it/s]
Training Step:
                96%|
                          | 96401/100000 [26:21<00:56, 63.61it/s]
Training Step:
                96%|
                          | 96408/100000 [26:21<00:57, 62.44it/s]
Training Step:
                96%|
                          | 96415/100000 [26:21<00:56, 63.13it/s]
Training Step:
                          96422/100000 [26:22<00:56, 63.11it/s]
                96%|
                          | 96429/100000 [26:22<00:59, 60.18it/s]
Training Step:
                96%|
Training Step:
                          96436/100000 [26:22<01:00, 58.87it/s]
                96%|
Training Step:
                96%1
                          96442/100000 [26:22<01:06, 53.13it/s]
Training Step:
                          | 96448/100000 [26:22<01:05, 54.18it/s]
                96%|
                          | 96454/100000 [26:22<01:04, 54.85it/s]
Training Step:
                96%|
Training Step:
                96%|
                          | 96460/100000 [26:22<01:04, 55.19it/s]
Training Step:
                96%1
                          96466/100000 [26:22<01:02, 56.51it/s]
Training Step:
                96%|
                          | 96473/100000 [26:22<00:59, 59.15it/s]
Training Step:
                          96480/100000 [26:23<00:58, 59.85it/s]
                96%|
                          | 96487/100000 [26:23<00:58, 60.33it/s]
Training Step:
                96%|
Training Step:
                96%1
                          | 96494/100000 [26:23<00:58, 60.17it/s]
Training Step:
                97%|
                          | 96501/100000 [26:23<00:58, 59.44it/s]
Training Step:
                97%|
                          | 96507/100000 [26:23<00:59, 59.11it/s]
```

```
Training Step:
                97%|
                          | 96513/100000 [26:23<01:00, 57.68it/s]
                          | 96519/100000 [26:23<01:00, 57.41it/s]
Training Step:
                97%|
Training Step:
                97%|
                          | 96525/100000 [26:23<01:01, 56.55it/s]
Training Step:
                97%|
                          | 96531/100000 [26:23<01:01, 56.10it/s]
Training Step:
                          96537/100000 [26:24<01:01, 56.09it/s]
                97%1
Training Step:
                97%|
                          96543/100000 [26:24<01:01, 55.78it/s]
Training Step:
                97%|
                          | 96549/100000 [26:24<01:02, 54.80it/s]
                          | 96555/100000 [26:24<01:04, 53.56it/s]
Training Step:
                97%|
Training Step:
                          96561/100000 [26:24<01:03, 54.43it/s]
                97%|
                          | 96567/100000 [26:24<01:03, 54.32it/s]
Training Step:
                97%|
                97%|
                          | 96573/100000 [26:24<01:03, 54.39it/s]
Training Step:
Training Step:
                          | 96580/100000 [26:24<01:00, 56.24it/s]
                97%|
                          | 96587/100000 [26:24<00:57, 59.55it/s]
Training Step:
                97%|
                          96594/100000 [26:25<00:55, 61.28it/s]
Training Step:
                97%|
                          | 96602/100000 [26:25<00:53, 63.69it/s]
Training Step:
                97%|
Training Step:
                97%|
                          | 96609/100000 [26:25<00:53, 63.68it/s]
Training Step:
                97%|
                          | 96616/100000 [26:25<00:52, 64.36it/s]
Training Step:
                97%|
                          | 96623/100000 [26:25<00:51, 65.22it/s]
Training Step:
                97%|
                          | 96630/100000 [26:25<00:51, 65.83it/s]
Training Step:
                97%1
                          96638/100000 [26:25<00:49, 68.33it/s]
                          96646/100000 [26:25<00:47, 70.65it/s]
Training Step:
                97%|
Training Step:
                97%|
                          96654/100000 [26:25<00:47,
70.42it/s][INFO] Episode ended! Scenario Index: 1016 Reason:
arrive_dest.
```

Training Step: 97%| | 96662/100000 [26:26<00:56, 59.57it/s] Training Step: 97%| | 96670/100000 [26:26<00:52, 63.22it/s] | 96678/100000 [26:26<00:50, 65.83it/s] Training Step: 97%| | 96685/100000 [26:26<00:49, 66.76it/s] Training Step: 97%| Training Step: 97%| | 96692/100000 [26:26<00:49, 66.73it/s] Training Step: 97%| | 96699/100000 [26:26<00:49, 66.90it/s] Training Step: 97%| | 96706/100000 [26:26<00:50, 65.55it/s] Training Step: 97%| | 96713/100000 [26:26<00:49, 66.61it/s] Training Step: 97%| | 96720/100000 [26:27<00:52, 62.58it/s] Training Step: | 96727/100000 [26:27<00:52, 62.89it/s] 97%| | 96734/100000 [26:27<00:53, 61.46it/s] Training Step: 97%| Training Step: | 96741/100000 [26:27<00:52, 62.26it/s] 97%| Training Step: 97%1 | 96748/100000 [26:27<00:52, 61.51it/s] Training Step: | 96755/100000 [26:27<00:52, 61.32it/s] 97%| | 96762/100000 [26:27<00:55, 58.58it/s] Training Step: 97%| Training Step: 97%| | 96768/100000 [26:27<00:55, 58.34it/s] 96774/100000 [26:27<00:56, 57.08it/s] Training Step: 97%1 Training Step: 97%| | 96780/100000 [26:28<00:56, 56.95it/s] 96786/100000 [26:28<00:58, 54.98it/s] Training Step: 97%| | 96792/100000 [26:28<00:58, 54.68it/s] Training Step: 97%| Training Step: 97%| | 96798/100000 [26:28<00:58, 54.50it/s] Training Step: 97%| | 96804/100000 [26:28<00:58, 54.51it/s] Training Step: 97%| | 96810/100000 [26:28<00:58, 54.52it/s]

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Training Step:
                97%|
                          | 96816/100000 [26:28<00:58, 54.24it/s]
Training Step:
                97%|
                          | 96822/100000 [26:28<00:58, 53.89it/s]
Training Step:
                97%1
                          | 96828/100000 [26:28<00:59, 53.65it/s]
Training Step:
                97%|
                          96834/100000 [26:29<00:58, 54.35it/s]
Training Step:
                          96840/100000 [26:29<00:59, 53.40it/s]
                97%1
Training Step:
                97%|
                          96846/100000 [26:29<00:59, 53.44it/s]
Training Step:
                97%|
                          | 96852/100000 [26:29<01:00, 52.37it/s]
                          96858/100000 [26:29<00:59, 52.58it/s]
Training Step:
                97%|
Training Step:
                          96864/100000 [26:29<01:02, 50.10it/s]
                97%|
                          | 96870/100000 [26:29<01:02, 50.32it/s]
Training Step:
                97%|
                97%|
                          | 96876/100000 [26:29<01:00, 52.05it/s]
Training Step:
Training Step:
                          | 96882/100000 [26:29<01:00, 51.95it/s]
                97%|
                97%|
                          | 96888/100000 [26:30<00:59, 52.43it/s]
Training Step:
Training Step:
                          96894/100000 [26:30<00:57, 53.61it/s]
                97%|
                          | 96900/100000 [26:30<00:58, 52.97it/s]
Training Step:
                97%1
Training Step:
                97%1
                          | 96906/100000 [26:30<00:59, 52.43it/s]
Training Step:
                97%|
                          | 96912/100000 [26:30<00:59, 52.28it/s]
Training Step:
                97%1
                          | 96918/100000 [26:30<00:58, 52.80it/s]
Training Step:
                97%|
                          96924/100000 [26:30<01:00, 51.13it/s]
Training Step:
                97%1
                          96930/100000 [26:30<01:03, 48.68it/s]
Training Step:
                97%|
                          96935/100000 [26:31<01:05, 47.08it/s]
                          | 96940/100000 [26:31<01:07, 45.35it/s]
Training Step:
                97%|
Training Step:
                97%|
                          | 96945/100000 [26:31<01:08, 44.92it/s]
Training Step:
                97%|
                          96950/100000 [26:31<01:09, 44.05it/s]
Training Step:
                97%|
                          | 96955/100000 [26:31<01:08, 44.22it/s]
                97%|
                          | 96960/100000 [26:31<01:08, 44.23it/s]
Training Step:
                          | 96965/100000 [26:31<01:09, 43.89it/s]
Training Step:
                97%1
                          | 96970/100000 [26:31<01:09, 43.32it/s]
Training Step:
                97%|
                          | 96975/100000 [26:31<01:08, 44.16it/s]
Training Step:
                97%1
Training Step:
                97%1
                          | 96980/100000 [26:32<01:10, 43.05it/s]
Training Step:
                97%1
                          | 96985/100000 [26:32<01:09, 43.18it/s]
Training Step:
                97%|
                          | 96990/100000 [26:32<01:11, 41.96it/s]
Training Step:
                97%1
                          | 96995/100000 [26:32<01:11, 42.09it/s]
Training Step:
                97%|
                          97000/100000 [26:32<01:12, 41.27it/s]
Training Step:
                          97005/100000 [26:32<01:11, 42.14it/s]
                97%|
                          | 97010/100000 [26:32<01:12, 41.37it/s]
Training Step:
                97%|
                          | 97015/100000 [26:32<01:11, 41.77it/s]
Training Step:
                97%|
Training Step:
                97%|
                          97020/100000 [26:33<01:11, 41.43it/s]
Training Step:
                          | 97025/100000 [26:33<01:11, 41.71it/s]
                97%|
                          97030/100000 [26:33<01:12, 41.18it/s]
Training Step:
                97%|
Training Step:
                97%|
                          | 97035/100000 [26:33<01:11, 41.53it/s]
Training Step:
                97%1
                          97040/100000 [26:33<01:11, 41.68it/s]
Training Step:
                97%|
                          | 97045/100000 [26:33<01:09, 42.31it/s]
Training Step:
                          97050/100000 [26:33<01:08, 42.87it/s]
                97%|
                          | 97055/100000 [26:33<01:06, 44.55it/s]
Training Step:
                97%|
Training Step:
                97%1
                          97060/100000 [26:33<01:05, 44.82it/s]
Training Step:
                97%|
                          | 97065/100000 [26:34<01:03, 46.00it/s]
Training Step:
                97%1
                          | 97071/100000 [26:34<01:01, 47.80it/s]
```

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Training Step:
                97%|
                          | 97076/100000 [26:34<01:02, 46.47it/s]
                          | 97081/100000 [26:34<01:03, 46.29it/s]
Training Step:
                97%|
Training Step:
                97%|
                          | 97086/100000 [26:34<01:04, 45.19it/s]
Training Step:
                97%|
                          | 97091/100000 [26:34<01:03, 45.88it/s]
Training Step:
                          97096/100000 [26:34<01:02, 46.36it/s]
                97%1
Training Step:
                97%|
                          | 97102/100000 [26:34<00:59, 48.88it/s]
Training Step:
                97%|
                          | 97108/100000 [26:34<00:56, 50.78it/s]
                          | 97114/100000 [26:35<00:56, 50.67it/s]
Training Step:
                97%|
Training Step:
                          | 97120/100000 [26:35<00:56, 50.86it/s]
                97%|
Training Step:
                97%|
                          | 97126/100000 [26:35<00:54, 52.93it/s]
                97%|
                          | 97132/100000 [26:35<00:54, 52.84it/s]
Training Step:
Training Step:
                          | 97138/100000 [26:35<00:53, 53.92it/s]
                97%|
Training Step:
                97%|
                          | 97144/100000 [26:35<00:51,
55.17it/s][INFO] Episode ended! Scenario Index: 1005 Reason:
arrive_dest.
```

Training Step: 97%| | 97150/100000 [26:35<01:00, 46.93it/s] Training Step: 97%| | 97156/100000 [26:35<00:57, 49.85it/s] Training Step: 97%| 97163/100000 [26:35<00:51, 54.87it/s] Training Step: 97%1 | 97170/100000 [26:36<00:49, 57.27it/s] | 97176/100000 [26:36<00:50, 55.88it/s] Training Step: 97%| | 97182/100000 [26:36<00:53, 53.08it/s] Training Step: 97%| Training Step: 97%| | 97188/100000 [26:36<00:54, 51.49it/s] Training Step: 97%| | 97194/100000 [26:36<00:54, 51.69it/s] Training Step: 97%| | 97200/100000 [26:36<00:54, 51.05it/s] | 97206/100000 [26:36<00:55, 49.98it/s] Training Step: 97%| | 97212/100000 [26:36<00:56, 49.67it/s] Training Step: 97%| | 97218/100000 [26:37<00:55, 50.05it/s] Training Step: 97%| | 97224/100000 [26:37<00:53, 51.50it/s] Training Step: 97%| Training Step: 97%| | 97230/100000 [26:37<00:52, 52.51it/s] Training Step: 97%| | 97236/100000 [26:37<00:53, 51.87it/s] Training Step: 97%| | 97242/100000 [26:37<00:53, 51.29it/s] Training Step: 97%| | 97248/100000 [26:37<00:52, 52.36it/s] Training Step: 97%| | 97254/100000 [26:37<00:51, 53.00it/s] Training Step: | 97260/100000 [26:37<00:50, 54.18it/s] 97%| | 97266/100000 [26:37<00:50, 53.85it/s] Training Step: 97%| Training Step: 97272/100000 [26:38<00:49, 54.80it/s] 97%| Training Step: 97%| | 97278/100000 [26:38<00:49, 54.72it/s] Training Step: | 97284/100000 [26:38<00:50, 53.36it/s] 97%| Training Step: 97%| | 97290/100000 [26:38<00:51, 52.72it/s] Training Step: 97%| | 97296/100000 [26:38<00:52, 51.87it/s] Training Step: 97%1 | 97302/100000 [26:38<00:52, 51.30it/s] Training Step: 97%| | 97308/100000 [26:38<00:52, 51.56it/s] 97314/100000 [26:38<00:50, 53.11it/s] Training Step: 97%| | 97320/100000 [26:38<00:50, 53.25it/s] Training Step: 97%| Training Step: 97%| | 97326/100000 [26:39<00:49, 54.07it/s] Training Step: 97%| | 97332/100000 [26:39<00:49, 53.39it/s] Training Step: 97%| | 97338/100000 [26:39<00:49, 53.57it/s]

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Training Step:
                97%|
                          | 97344/100000 [26:39<00:48, 54.30it/s]
Training Step:
                97%|
                          | 97350/100000 [26:39<00:48, 54.37it/s]
Training Step:
                97%|
                          | 97356/100000 [26:39<00:48, 54.13it/s]
Training Step:
                97%|
                          | 97362/100000 [26:39<00:48, 53.96it/s]
Training Step:
                          97368/100000 [26:39<00:48, 53.99it/s]
                97%1
Training Step:
                97%|
                          | 97374/100000 [26:39<00:48, 54.15it/s]
Training Step:
                97%|
                          97380/100000 [26:40<00:48, 53.98it/s]
Training Step:
                97%|
                          | 97386/100000 [26:40<00:49, 52.86it/s]
Training Step:
                          | 97392/100000 [26:40<00:50, 51.70it/s]
                97%|
Training Step:
                97%|
                          | 97398/100000 [26:40<00:49, 52.11it/s]
                97%|
                          | 97404/100000 [26:40<00:50, 51.73it/s]
Training Step:
Training Step:
                          | 97410/100000 [26:40<00:50, 51.33it/s]
                97%|
                          | 97416/100000 [26:40<00:52, 49.53it/s]
Training Step:
                97%|
                          97421/100000 [26:40<00:52, 49.40it/s]
Training Step:
                97%|
                          | 97427/100000 [26:41<00:51, 50.36it/s]
Training Step:
                97%|
                97%|
                          | 97433/100000 [26:41<00:50, 50.90it/s]
Training Step:
Training Step:
                97%|
                          | 97439/100000 [26:41<00:49, 51.96it/s]
Training Step:
                97%|
                          | 97445/100000 [26:41<00:54, 47.04it/s]
Training Step:
                97%|
                          | 97451/100000 [26:41<00:51, 49.38it/s]
Training Step:
                97%1
                          | 97457/100000 [26:41<00:49, 50.89it/s]
Training Step:
                97%|
                          | 97463/100000 [26:41<00:49, 51.67it/s]
                          | 97469/100000 [26:41<00:47, 52.78it/s]
Training Step:
                97%|
Training Step:
                97%|
                          | 97476/100000 [26:41<00:45, 55.23it/s]
Training Step:
                97%|
                          | 97483/100000 [26:42<00:43, 57.39it/s]
Training Step:
                97%|
                          | 97489/100000 [26:42<00:43, 57.63it/s]
                          | 97495/100000 [26:42<00:43, 57.65it/s]
Training Step:
                97%|
                          | 97501/100000 [26:42<00:43, 57.82it/s]
Training Step:
                98%|
Training Step:
                98%1
                          | 97507/100000 [26:42<00:43, 57.46it/s]
                          | 97514/100000 [26:42<00:42, 58.54it/s]
Training Step:
                98%|
Training Step:
                98%|
                          | 97521/100000 [26:42<00:41, 59.59it/s]
Training Step:
                98%|
                          | 97528/100000 [26:42<00:40, 60.63it/s]
Training Step:
                98%|
                          | 97535/100000 [26:42<00:40, 61.03it/s]
Training Step:
                98%|
                          | 97542/100000 [26:43<00:40, 60.50it/s]
Training Step:
                98%|
                          | 97549/100000 [26:43<00:39, 61.59it/s]
Training Step:
                          | 97556/100000 [26:43<00:41, 59.47it/s]
                98%|
                          | 97563/100000 [26:43<00:40, 60.51it/s]
Training Step:
                98%|
Training Step:
                          | 97570/100000 [26:43<00:39, 60.94it/s]
                98%|
Training Step:
                98%1
                          | 97577/100000 [26:43<00:39, 60.59it/s]
Training Step:
                          | 97584/100000 [26:43<00:39, 61.71it/s]
                98%|
Training Step:
                98%|
                          | 97591/100000 [26:43<00:38, 63.20it/s]
Training Step:
                98%|
                          | 97599/100000 [26:43<00:36, 66.23it/s]
Training Step:
                          | 97606/100000 [26:44<00:35,
                98%1
66.54it/s][INFO] Episode ended! Scenario Index: 1012 Reason:
arrive_dest.
Training Step:
                98%1
                          | 97614/100000 [26:44<00:43, 54.45it/s]
Training Step:
                98%|
                          | 97621/100000 [26:44<00:41, 57.82it/s]
```

| 97628/100000 [26:44<00:39, 60.14it/s]

Training Step:

98%1

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Training Step:
                98%1
                          | 97636/100000 [26:44<00:37, 62.41it/s]
                98%|
                          | 97643/100000 [26:44<00:38, 60.57it/s]
Training Step:
Training Step:
                98%1
                          | 97650/100000 [26:44<00:40, 58.59it/s]
Training Step:
                98%|
                          | 97656/100000 [26:44<00:41, 56.34it/s]
Training Step:
                          97662/100000 [26:45<00:41, 56.41it/s]
                98%1
Training Step:
                98%|
                          97668/100000 [26:45<00:40, 57.21it/s]
Training Step:
                98%|
                          | 97674/100000 [26:45<00:40, 57.67it/s]
                          97680/100000 [26:45<00:41, 56.26it/s]
Training Step:
                98%|
Training Step:
                          97686/100000 [26:45<00:42, 55.00it/s]
                98%|
Training Step:
                98%|
                          | 97692/100000 [26:45<00:42, 54.28it/s]
                98%|
                          | 97698/100000 [26:45<00:43, 53.50it/s]
Training Step:
Training Step:
                98%1
                          | 97704/100000 [26:45<00:43, 53.32it/s]
                98%|
                          | 97710/100000 [26:45<00:41, 54.61it/s]
Training Step:
Training Step:
                          97716/100000 [26:46<00:41, 55.56it/s]
                98%1
                          | 97722/100000 [26:46<00:40, 56.18it/s]
Training Step:
                98%1
Training Step:
                98%1
                          | 97728/100000 [26:46<00:39, 56.95it/s]
Training Step:
                98%1
                          | 97734/100000 [26:46<00:39, 57.00it/s]
Training Step:
                98%1
                          | 97740/100000 [26:46<00:39, 57.05it/s]
Training Step:
                98%|
                          97746/100000 [26:46<00:39, 57.08it/s]
Training Step:
                98%1
                          97752/100000 [26:46<00:39, 56.29it/s]
                          97758/100000 [26:46<00:40, 55.29it/s]
Training Step:
                98%|
                          | 97764/100000 [26:46<00:43, 51.13it/s]
Training Step:
                98%|
Training Step:
                98%|
                          97770/100000 [26:47<00:46, 48.45it/s]
Training Step:
                98%|
                          | 97775/100000 [26:47<00:46, 47.86it/s]
Training Step:
                98%|
                          | 97780/100000 [26:47<00:46, 47.42it/s]
                          | 97785/100000 [26:47<00:46, 47.61it/s]
Training Step:
                98%|
Training Step:
                98%1
                          | 97790/100000 [26:47<00:46, 47.10it/s]
                          | 97796/100000 [26:47<00:46, 47.89it/s]
Training Step:
                98%1
                          | 97801/100000 [26:47<00:46, 47.68it/s]
Training Step:
                98%|
Training Step:
                98%1
                          | 97806/100000 [26:47<00:47, 46.64it/s]
Training Step:
                98%1
                          | 97811/100000 [26:47<00:48, 44.96it/s]
Training Step:
                98%1
                          | 97816/100000 [26:48<00:49, 43.81it/s]
Training Step:
                98%1
                          | 97821/100000 [26:48<00:48, 44.56it/s]
Training Step:
                98%|
                          | 97826/100000 [26:48<00:49, 44.28it/s]
Training Step:
                          97831/100000 [26:48<00:48, 44.39it/s]
                98%|
                          | 97836/100000 [26:48<00:49, 44.11it/s]
Training Step:
                98%|
Training Step:
                          97841/100000 [26:48<00:48, 44.27it/s]
                98%|
Training Step:
                98%1
                          97846/100000 [26:48<00:49, 43.91it/s]
Training Step:
                          | 97851/100000 [26:48<00:48, 44.48it/s]
                98%|
Training Step:
                98%|
                          | 97856/100000 [26:48<00:48, 44.29it/s]
Training Step:
                98%|
                          | 97861/100000 [26:49<00:47, 44.76it/s]
Training Step:
                98%1
                          97866/100000 [26:49<00:48, 44.25it/s]
Training Step:
                98%1
                          | 97871/100000 [26:49<00:47, 44.84it/s]
Training Step:
                          97876/100000 [26:49<00:48, 43.84it/s]
                98%1
                          | 97881/100000 [26:49<00:47, 44.31it/s]
Training Step:
                98%1
Training Step:
                98%1
                          | 97886/100000 [26:49<00:46, 45.25it/s]
Training Step:
                98%1
                          | 97891/100000 [26:49<00:46, 45.69it/s]
Training Step:
                98%1
                          | 97896/100000 [26:49<00:46, 45.62it/s]
```

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Training Step:
                98%1
                          | 97901/100000 [26:49<00:45, 46.45it/s]
                98%|
                          | 97906/100000 [26:50<00:46, 45.03it/s]
Training Step:
Training Step:
                98%1
                          | 97911/100000 [26:50<00:47, 44.43it/s]
Training Step:
                98%|
                          | 97916/100000 [26:50<00:48, 42.59it/s]
Training Step:
                          97921/100000 [26:50<00:47, 43.74it/s]
                98%1
Training Step:
                98%|
                          97926/100000 [26:50<00:47, 43.43it/s]
Training Step:
                98%|
                          | 97931/100000 [26:50<00:47, 44.02it/s]
                          | 97936/100000 [26:50<00:48, 42.95it/s]
Training Step:
                98%|
Training Step:
                98%|
                          97941/100000 [26:50<00:47, 43.11it/s]
Training Step:
                98%|
                          | 97946/100000 [26:51<00:47, 43.56it/s]
                98%|
                          | 97951/100000 [26:51<00:45, 45.31it/s]
Training Step:
Training Step:
                98%1
                          | 97956/100000 [26:51<00:44, 45.85it/s]
                98%|
                          | 97961/100000 [26:51<00:43, 46.63it/s]
Training Step:
Training Step:
                          97966/100000 [26:51<00:44, 45.51it/s]
                98%1
                          | 97971/100000 [26:51<00:44, 46.00it/s]
Training Step:
                98%1
Training Step:
                98%1
                          | 97976/100000 [26:51<00:44, 45.58it/s]
Training Step:
                98%|
                          | 97981/100000 [26:51<00:44, 45.79it/s]
Training Step:
                98%1
                          | 97986/100000 [26:51<00:43, 45.82it/s]
Training Step:
                98%|
                          97991/100000 [26:51<00:43, 45.96it/s]
Training Step:
                98%1
                          | 97996/100000 [26:52<00:43, 46.32it/s]
Training Step:
                98%|
                          98001/100000 [26:52<00:44, 44.58it/s]
                          | 98006/100000 [26:52<00:44, 44.60it/s]
Training Step:
                98%|
Training Step:
                98%|
                          98011/100000 [26:52<00:43, 46.09it/s]
Training Step:
                98%|
                          98016/100000 [26:52<00:44, 44.57it/s]
Training Step:
                98%|
                          | 98021/100000 [26:52<00:43, 45.87it/s]
Training Step:
                          | 98026/100000 [26:52<00:43, 45.53it/s]
                98%|
                          | 98032/100000 [26:52<00:41, 46.96it/s]
Training Step:
                98%1
                          | 98037/100000 [26:52<00:42, 46.64it/s]
Training Step:
                98%1
                          | 98042/100000 [26:53<00:41, 46.92it/s]
Training Step:
                98%1
Training Step:
                98%1
                          | 98047/100000 [26:53<00:42, 46.23it/s]
Training Step:
                98%1
                          | 98052/100000 [26:53<00:43, 44.43it/s]
Training Step:
                98%1
                          | 98057/100000 [26:53<00:42, 45.21it/s]
Training Step:
                98%1
                          | 98062/100000 [26:53<00:43, 44.09it/s]
Training Step:
                98%|
                          | 98067/100000 [26:53<00:42, 45.46it/s]
Training Step:
                98%|
                          98072/100000 [26:53<00:42, 45.58it/s]
                          | 98077/100000 [26:53<00:42, 45.54it/s]
Training Step:
                98%|
Training Step:
                          98082/100000 [26:53<00:41, 45.89it/s]
                98%|
Training Step:
                98%1
                          98087/100000 [26:54<00:41, 46.52it/s]
Training Step:
                98%|
                          | 98092/100000 [26:54<00:40, 46.59it/s]
                          | 98098/100000 [26:54<00:39, 47.82it/s]
Training Step:
                98%|
Training Step:
                98%|
                          | 98104/100000 [26:54<00:38, 49.42it/s]
Training Step:
                98%1
                          98110/100000 [26:54<00:36, 51.22it/s]
Training Step:
                98%1
                          | 98116/100000 [26:54<00:36, 51.79it/s]
Training Step:
                          98122/100000 [26:54<00:36, 51.21it/s]
                98%1
                          | 98128/100000 [26:54<00:36, 51.97it/s]
Training Step:
                98%1
Training Step:
                98%1
                          98134/100000 [26:54<00:35, 52.23it/s]
Training Step:
                98%1
                          | 98140/100000 [26:55<00:34, 53.19it/s]
Training Step:
                98%1
                          | 98146/100000 [26:55<00:34, 54.03it/s]
```

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Training Step:
                98%|
                          | 98152/100000 [26:55<00:33, 54.48it/s]
                98%|
Training Step:
                          | 98158/100000 [26:55<00:35, 51.28it/s]
Training Step:
                98%1
                          | 98164/100000 [26:55<00:34, 53.33it/s]
Training Step:
                98%|
                          | 98170/100000 [26:55<00:33, 54.42it/s]
Training Step:
                          98176/100000 [26:55<00:33, 54.76it/s]
                98%1
Training Step:
                98%|
                          98182/100000 [26:55<00:32, 55.76it/s]
Training Step:
                98%|
                          98189/100000 [26:55<00:31, 58.32it/s]
                          | 98195/100000 [26:56<00:31, 58.14it/s]
Training Step:
                98%|
Training Step:
                          98201/100000 [26:56<00:32, 55.64it/s]
                98%|
Training Step:
                98%|
                          | 98207/100000 [26:56<00:32, 55.32it/s]
                98%|
                          | 98213/100000 [26:56<00:33, 54.05it/s]
Training Step:
Training Step:
                          | 98219/100000 [26:56<00:32, 54.20it/s]
                98%|
                          | 98225/100000 [26:56<00:32, 54.60it/s]
Training Step:
                98%|
Training Step:
                          98231/100000 [26:56<00:32, 54.43it/s]
                98%1
                          | 98237/100000 [26:56<00:32, 53.45it/s]
Training Step:
                98%1
Training Step:
                98%1
                          | 98243/100000 [26:56<00:33, 52.60it/s]
Training Step:
                98%|
                          | 98250/100000 [26:57<00:32, 54.09it/s]
Training Step:
                98%1
                          | 98256/100000 [26:57<00:31, 54.94it/s]
Training Step:
                98%|
                          | 98262/100000 [26:57<00:31, 55.41it/s]
Training Step:
                98%1
                          | 98268/100000 [26:57<00:31, 55.61it/s]
Training Step:
                98%|
                          | 98275/100000 [26:57<00:29, 59.15it/s]
                          | 98282/100000 [26:57<00:28, 60.85it/s]
Training Step:
                98%|
Training Step:
                98%|
                          | 98289/100000 [26:57<00:27, 62.92it/s]
Training Step:
                98%|
                          | 98296/100000 [26:57<00:27, 62.96it/s]
Training Step:
                98%|
                          | 98303/100000 [26:57<00:26, 62.99it/s]
                          | 98310/100000 [26:58<00:27, 61.83it/s]
Training Step:
                98%|
                          | 98317/100000 [26:58<00:27, 60.89it/s]
Training Step:
                98%|
                          | 98324/100000 [26:58<00:27, 59.93it/s]
Training Step:
                98%1
                          | 98331/100000 [26:58<00:28, 59.60it/s]
Training Step:
                98%|
Training Step:
                98%1
                          | 98338/100000 [26:58<00:27, 61.24it/s]
Training Step:
                98%1
                          | 98346/100000 [26:58<00:26, 63.25it/s]
Training Step:
                98%|
                          | 98353/100000 [26:58<00:25, 64.91it/s]
Training Step:
                98%|
                          | 98360/100000 [26:58<00:25, 65.60it/s]
Training Step:
                98%|
                          | 98368/100000 [26:58<00:23, 68.50it/s]
Training Step:
                          | 98376/100000 [26:59<00:22, 71.57it/s]
                98%|
                          | 98384/100000 [26:59<00:22, 73.24it/s]
Training Step:
                98%|
Training Step:
                98%|
                          98392/100000 [26:59<00:21, 74.98it/s]
Training Step:
                98%1
                          98400/100000 [26:59<00:21,
75.83it/s][INFO] Episode ended! Scenario Index: 1003 Reason:
arrive_dest.
                          | 98408/100000 [26:59<00:25, 62.14it/s]
Training Step:
                98%|
Training Step:
                98%|
                          | 98416/100000 [26:59<00:24, 65.16it/s]
                          98424/100000 [26:59<00:23, 67.79it/s]
Training Step:
                98%1
                          | 98432/100000 [26:59<00:22, 69.21it/s]
Training Step:
                98%1
Training Step:
                98%1
                          | 98440/100000 [27:00<00:22, 70.42it/s]
Training Step:
                98%1
                          | 98448/100000 [27:00<00:22, 68.18it/s]
Training Step:
                98%1
                          | 98455/100000 [27:00<00:22, 67.76it/s]
```

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Training Step:
                98%1
                          | 98462/100000 [27:00<00:23, 64.48it/s]
                98%|
                          | 98469/100000 [27:00<00:23, 65.44it/s]
Training Step:
Training Step:
                98%1
                          | 98476/100000 [27:00<00:23, 64.05it/s]
Training Step:
                98%|
                          | 98483/100000 [27:00<00:24, 62.59it/s]
Training Step:
                          98490/100000 [27:00<00:24, 61.27it/s]
                98%1
Training Step:
                98%|
                          98497/100000 [27:00<00:24, 61.15it/s]
Training Step:
                99%|
                          | 98504/100000 [27:01<00:25, 57.62it/s]
                          98511/100000 [27:01<00:25, 59.00it/s]
Training Step:
                99%|
Training Step:
                          98518/100000 [27:01<00:25, 59.24it/s]
                99%|
Training Step:
                99%|
                          | 98524/100000 [27:01<00:24, 59.26it/s]
                99%1
                          | 98531/100000 [27:01<00:23, 61.56it/s]
Training Step:
Training Step:
                99%1
                          | 98538/100000 [27:01<00:23, 61.26it/s]
                          | 98545/100000 [27:01<00:23, 61.47it/s]
Training Step:
                99%|
Training Step:
                          98552/100000 [27:01<00:22, 63.30it/s]
                99%1
                          | 98560/100000 [27:01<00:21, 65.78it/s]
Training Step:
                99%1
Training Step:
                99%1
                          | 98567/100000 [27:02<00:21, 66.59it/s]
Training Step:
                99%1
                          | 98574/100000 [27:02<00:21, 65.15it/s]
Training Step:
                99%1
                          | 98581/100000 [27:02<00:22, 62.30it/s]
Training Step:
                99%|
                          98588/100000 [27:02<00:23, 59.22it/s]
Training Step:
                99%1
                          98594/100000 [27:02<00:23, 59.12it/s]
Training Step:
                99%|
                          98600/100000 [27:02<00:23, 59.20it/s]
                          | 98606/100000 [27:02<00:23, 59.09it/s]
Training Step:
                99%|
Training Step:
                99%|
                          | 98612/100000 [27:02<00:23, 58.03it/s]
Training Step:
                99%|
                          | 98618/100000 [27:02<00:24, 56.97it/s]
Training Step:
                99%|
                          | 98624/100000 [27:03<00:25, 54.29it/s]
                99%1
                          | 98630/100000 [27:03<00:25, 53.51it/s]
Training Step:
                          | 98636/100000 [27:03<00:25, 54.10it/s]
Training Step:
                99%1
                          | 98642/100000 [27:03<00:25, 53.23it/s]
Training Step:
                99%1
                          | 98648/100000 [27:03<00:25, 52.22it/s]
Training Step:
                99%1
Training Step:
                99%1
                          | 98654/100000 [27:03<00:26, 51.25it/s]
Training Step:
                99%1
                          | 98660/100000 [27:03<00:26, 51.50it/s]
Training Step:
                99%1
                          | 98666/100000 [27:03<00:25, 51.84it/s]
Training Step:
                99%1
                          | 98672/100000 [27:03<00:25, 51.14it/s]
Training Step:
                99%|
                          | 98678/100000 [27:04<00:26, 49.66it/s]
Training Step:
                          98684/100000 [27:04<00:25, 50.64it/s]
                99%|
                          | 98690/100000 [27:04<00:27, 47.57it/s]
Training Step:
                99%|
Training Step:
                          98696/100000 [27:04<00:26, 48.86it/s]
                99%|
Training Step:
                99%1
                          98702/100000 [27:04<00:26, 49.56it/s]
Training Step:
                          | 98708/100000 [27:04<00:25, 50.07it/s]
                99%|
                          | 98714/100000 [27:04<00:25, 49.80it/s]
Training Step:
                99%|
Training Step:
                99%|
                          | 98719/100000 [27:04<00:25, 49.85it/s]
Training Step:
                99%1
                          98724/100000 [27:05<00:26, 48.70it/s]
Training Step:
                99%1
                          | 98729/100000 [27:05<00:26, 48.79it/s]
Training Step:
                          98734/100000 [27:05<00:25, 48.99it/s]
                99%1
                          | 98740/100000 [27:05<00:25, 49.72it/s]
Training Step:
                99%1
Training Step:
                99%1
                          | 98746/100000 [27:05<00:25, 49.94it/s]
Training Step:
                99%1
                          | 98752/100000 [27:05<00:24, 50.22it/s]
Training Step:
                99%1
                          | 98758/100000 [27:05<00:24, 50.81it/s]
```

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Training Step:
                99%|
                          | 98764/100000 [27:05<00:24, 51.35it/s]
Training Step:
                99%|
                          | 98770/100000 [27:05<00:23, 52.76it/s]
Training Step:
                99%1
                          | 98776/100000 [27:06<00:23, 52.09it/s]
Training Step:
                99%|
                         | 98782/100000 [27:06<00:22, 53.66it/s]
Training Step:
                          98788/100000 [27:06<00:22, 54.97it/s]
                99%1
Training Step:
                99%|
                          98794/100000 [27:06<00:21, 55.92it/s]
Training Step:
                99%|
                          98801/100000 [27:06<00:20, 58.77it/s]
Training Step:
                99%1
                          98807/100000 [27:06<00:20, 58.95it/s]
Training Step:
                          98813/100000 [27:06<00:20, 58.75it/s]
                99%|
Training Step:
                99%|
                          | 98820/100000 [27:06<00:19, 60.27it/s]
                         | 98827/100000 [27:06<00:18, 62.35it/s]
Training Step:
                99%|
                          | 98834/100000 [27:07<00:18, 61.54it/s]
Training Step:
                99%|
                         | 98841/100000 [27:07<00:18, 62.00it/s]
Training Step:
                99%|
                          98848/100000 [27:07<00:18, 62.49it/s]
Training Step:
                99%1
                         | 98855/100000 [27:07<00:17, 64.06it/s]
Training Step:
                99%1
                99%|
                          | 98862/100000 [27:07<00:17, 63.23it/s]
Training Step:
Training Step:
                99%|
                          | 98870/100000 [27:07<00:17, 65.20it/s]
Training Step:
                99%1
                         | 98878/100000 [27:07<00:16, 67.44it/s]
Training Step:
                99%|
                          98885/100000 [27:07<00:16, 67.77it/s]
Training Step:
                99%1
                          98892/100000 [27:07<00:16, 68.02it/s]
Training Step:
                99%|
                          98900/100000 [27:08<00:15,
68.89it/s][INFO] Episode ended! Scenario Index: 1013 Reason:
arrive_dest.
```

Training Step: 99%| | 98907/100000 [27:08<00:18, 59.65it/s] 99%| | 98915/100000 [27:08<00:16, 64.32it/s] Training Step: Training Step: 99%1 | 98922/100000 [27:08<00:16, 64.97it/s] | 98929/100000 [27:08<00:16, 65.81it/s] Training Step: 99%1 | 98936/100000 [27:08<00:16, 64.63it/s] Training Step: 99%| Training Step: 99%1 | 98943/100000 [27:08<00:16, 65.58it/s] 99%1 | 98950/100000 [27:08<00:16, 63.42it/s] Training Step: Training Step: 99%| | 98957/100000 [27:08<00:16, 64.88it/s] Training Step: 99%1 | 98964/100000 [27:09<00:16, 64.68it/s] Training Step: 99%| | 98971/100000 [27:09<00:16, 64.02it/s] Training Step: 98978/100000 [27:09<00:15, 64.43it/s] 99%| | 98985/100000 [27:09<00:15, 63.67it/s] Training Step: 99%| 98992/100000 [27:09<00:16, 62.97it/s] Training Step: 99%| Training Step: 99%1 98999/100000 [27:09<00:15, 64.21it/s] Training Step: | 99006/100000 [27:09<00:16, 61.83it/s] 99%| Training Step: 99%| | 99013/100000 [27:09<00:15, 62.20it/s] Training Step: 99%| | 99020/100000 [27:09<00:15, 61.79it/s] Training Step: 99%1 99027/100000 [27:10<00:16, 60.24it/s] Training Step: 99%| | 99034/100000 [27:10<00:17, 55.67it/s] 99040/100000 [27:10<00:18, 52.69it/s] Training Step: 99%1 | 99046/100000 [27:10<00:17, 53.43it/s] Training Step: 99%1 Training Step: 99%| | 99052/100000 [27:10<00:17, 54.02it/s] Training Step: 99%| | 99058/100000 [27:10<00:17, 54.88it/s] Training Step: 99%1 | 99064/100000 [27:10<00:17, 54.35it/s]

```
Training Step: 99%|
                        | 99070/100000 [27:10<00:17, 54.55it/s]
               99%|
                         | 99076/100000 [27:10<00:16, 55.14it/s]
Training Step:
Training Step:
               99%|
                        | 99082/100000 [27:11<00:17, 52.95it/s]
Training Step:
               99%|
                        | 99088/100000 [27:11<00:16, 54.28it/s]
Training Step: 99%|
                        | 99095/100000 [27:11<00:16, 56.00it/s]
Training Step:
               99%|
                         | 99101/100000 [27:11<00:16, 55.87it/s]
Training Step: 99%
                         | 99107/100000 [27:11<00:15, 55.93it/s]
                         | 99113/100000 [27:11<00:16, 54.19it/s]
Training Step: 99%|
Training Step: 99%|
                         | 99119/100000 [27:11<00:16, 54.00it/s]
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
 ==== TD3 Training Step 1999 =====:
  actor_loss: .nan
  critic loss: .nan
  episode_reward: 8.018591272652802
 frame_per_second: 280
 log_dir: MetaDrive-Tut-Hard-v0
  success_rate: 0.0
 target_q: .nan
 total episodes: 2
 total_steps: 1999
 total_time: 7.121610164642334
Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at
<MetaDrive-Tut-Hard-v0\td3\progress.csv>.
 ==== TD3 Training Step 2999 =====:
  actor_loss: .nan
  critic_loss: .nan
  episode_reward: 8.125269971453509
 frame_per_second: 301
 log_dir: MetaDrive-Tut-Hard-v0
  success_rate: 0.0
 target_q: .nan
 total episodes: 3
 total_steps: 2999
  total_time: 9.952973127365112
 ==== TD3 Training Step 3885 ====:
 actor_loss: .nan
  critic_loss: .nan
  episode_reward: 7.154890265726485
```

frame_per_second: 304 log_dir: MetaDrive-Tut-Hard-v0 success_rate: 0.0 target_q: .nan total_episodes: 4 total_steps: 3885 total_time: 12.753015041351318 Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>. ===== TD3 Training Step 4885 =====: actor_loss: .nan critic_loss: .nan episode_reward: 8.15643019852702 frame_per_second: 309 log_dir: MetaDrive-Tut-Hard-v0 success_rate: 0.0 target_q: .nan total_episodes: 5 total_steps: 4885 total_time: 15.782542943954468 ===== TD3 Training Step 5582 =====: actor_loss: .nan critic_loss: .nan episode_reward: 6.651596381142124 frame_per_second: 313 log_dir: MetaDrive-Tut-Hard-v0 success_rate: 0.0 target_q: .nan total_episodes: 6 total_steps: 5582 total_time: 17.78105592727661 Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>. ===== TD3 Training Step 6582 =====: actor_loss: .nan

===== TD3 Training Step 6582 =====:
actor_loss: .nan
critic_loss: .nan
episode_reward: 6.863724840065722
frame_per_second: 312
log_dir: MetaDrive-Tut-Hard-v0
success_rate: 0.0

target_q: .nan total_episodes: 7 total_steps: 6582

total_time: 21.04958486557007

==== TD3 Training Step 7582 ====:

actor_loss: .nan
critic_loss: .nan

episode_reward: 6.986698462744094

frame_per_second: 304

log_dir: MetaDrive-Tut-Hard-v0

success_rate: 0.0
target_q: .nan
total_episodes: 8
total_steps: 7582

total_time: 24.894081354141235

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 8582 ====:

actor_loss: .nan
critic_loss: .nan

episode_reward: 7.062087885463126

frame_per_second: 306

log_dir: MetaDrive-Tut-Hard-v0

success_rate: 0.0
target_q: .nan
total_episodes: 9
total_steps: 8582

total_time: 27.981770753860474

==== TD3 Training Step 9582 ====:

actor_loss: .nan
critic_loss: .nan

episode_reward: 7.3246057478332265

frame_per_second: 306

log_dir: MetaDrive-Tut-Hard-v0

success_rate: 0.0
target_q: .nan
total_episodes: 10
total_steps: 9582

total_time: 31.238802194595337

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 10040 =====:

actor_loss: .nan

critic_loss: 0.0007402301416732371
current_q1: 0.009778104722499847
current_q2: -3.0775008781347424e-05
episode_reward: 6.887656246031477

frame_per_second: 299

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.008757011033594608

success_rate: 0.0

target_q: 0.009607535786926746

total_episodes: 11
total_steps: 10040

total_time: 33.5468213558197

==== TD3 Training Step 11009 ====:

actor_loss: -0.034582965075969696 critic_loss: 0.007982460781931877 current_q1: 0.03252961114048958 current_q2: 0.029109595343470573 episode_reward: -0.8063192604344053

frame_per_second: 202

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.019472304731607437

success_rate: 0.0

 $target_q: 0.059210628271102905$

total_episodes: 59
total_steps: 11009

total_time: 54.40884852409363

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 12075 ====:

actor_loss: -0.04097288101911545 critic_loss: 0.19524428248405457 current_q1: 0.020793801173567772 current_q2: 0.0271749310195446

episode_reward: -1.0496444328497783

frame_per_second: 169

log_dir: MetaDrive-Tut-Hard-v0
reward: -0.001968955621123314

success_rate: 0.0

target_q: 0.034693747758865356

total_episodes: 67
total_steps: 12075

total_time: 71.1876130104065

===== TD3 Training Step 13145 =====:
actor_loss: 0.020699910819530487
critic_loss: 0.2819039821624756
current_q1: -0.035128600895404816

current_q2: -0.005129088647663593 episode_reward: -1.381545770894193

frame_per_second: 149

log_dir: MetaDrive-Tut-Hard-v0
reward: -0.01943039521574974

success_rate: 0.0

target_q: 0.015101137571036816

total_episodes: 77
total_steps: 13145

total_time: 88.12323045730591

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 14132 ====:

actor_loss: .nan

critic_loss: 0.3823007345199585
current_q1: 0.1096072643995285
current_q2: 0.08792819082736969
episode_reward: -1.6569208719928945

frame_per_second: 135

log_dir: MetaDrive-Tut-Hard-v0
reward: -0.01869269832968712

success_rate: 0.0

target_q: 0.06822387874126434

total_episodes: 88
total_steps: 14132

total_time: 104.42018437385559

==== TD3 Training Step 15053 ====:

actor_loss: -0.12713131308555603 critic_loss: 0.5930222272872925 current_q1: 0.10270799696445465 current_q2: 0.08310940861701965 episode_reward: -1.3534621780986225

frame_per_second: 126

log_dir: MetaDrive-Tut-Hard-v0
reward: -0.06055734306573868

success_rate: 0.0

target_q: 0.017902657389640808

total_episodes: 94
total_steps: 15053

total_time: 119.44776558876038

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 16234 =====: actor loss: .nan

critic_loss: 0.714195966720581
current_q1: 0.09207169711589813
current_q2: 0.11196524649858475
episode_reward: -0.9972575597752802

frame_per_second: 117

log_dir: MetaDrive-Tut-Hard-v0
reward: -0.0522364005446434

success_rate: 0.0

target_q: 0.07457731664180756

total_episodes: 102
total_steps: 16234

total_time: 138.59134674072266

===== TD3 Training Step 17008 =====:

actor_loss: .nan

critic_loss: 0.017554372549057007
current_q1: 0.2031317502260208
current_q2: 0.2256988286972046

episode_reward: -1.2334105229257082

frame_per_second: 112

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.02406943589448929

success_rate: 0.0

target_q: 0.23016388714313507

total_episodes: 106 total_steps: 17008

total_time: 150.55475974082947

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

===== TD3 Training Step 18023 =====:

actor_loss: -0.249068021774292 critic_loss: 0.2701227068901062 current_q1: 0.22008900344371796 current_q2: 0.21038475632667542 episode_reward: -1.2061264327516672

frame_per_second: 108

log_dir: MetaDrive-Tut-Hard-v0
reward: -0.019494595006108284

success_rate: 0.0

target_q: 0.2243020236492157

total_episodes: 108 total_steps: 18023

total_time: 166.07503366470337

==== TD3 Training Step 19505 ====:

actor_loss: -0.3870089650154114 critic_loss: 0.15606996417045593 current_q1: 0.3301246166229248 current_q2: 0.34024927020072937 episode_reward: -1.188746756701786

frame_per_second: 101

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.005801163613796234

success_rate: 0.0

target_q: 0.33867523074150085

total_episodes: 112 total_steps: 19505

total_time: 191.89952278137207

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 20262 ====:

actor_loss: .nan

critic_loss: 0.23478347063064575
current_q1: 0.4253299832344055
current_q2: 0.43024200201034546
episode_reward: -0.14219949087742947

frame_per_second: 99

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.009098781272768974

success_rate: 0.0

target_q: 0.40135687589645386

total_episodes: 113
total_steps: 20262

 ${\tt total_time:~203.60914254188538}$

==== TD3 Training Step 21067 ====:

actor_loss: -0.6249439716339111 critic_loss: 0.12964634597301483 current_q1: 0.5625702142715454 current_q2: 0.5553330779075623 episode_reward: 4.975937612810056

frame_per_second: 96

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.022628825157880783

success_rate: 0.0

target_q: 0.5523651838302612

total_episodes: 120 total_steps: 21067

total_time: 218.62618613243103

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 22038 ====:

actor_loss: .nan

critic_loss: 0.04267924651503563
current_q1: 0.8536560535430908
current_q2: 0.8448131084442139
episode_reward: 11.905342363603143

frame_per_second: 93

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.09190906584262848

success_rate: 0.0

target_q: 0.8391997814178467

total_episodes: 129
total_steps: 22038

total_time: 236.74152731895447

===== TD3 Training Step 23083 =====:

actor_loss: -1.4510539770126343 critic_loss: 0.2807886600494385 current_q1: 1.2570388317108154 current_q2: 1.2694718837738037 episode_reward: 19.482267260590792

frame_per_second: 90

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.05820798873901367

success_rate: 0.0

target_q: 1.271310806274414

total_episodes: 134
total_steps: 23083

total_time: 255.83846187591553

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

===== TD3 Training Step 24107 =====: actor_loss: -2.3057408332824707 critic_loss: 0.4500018060207367

current_q1: 1.9352426528930664
current_q2: 1.9174833297729492
episode_reward: 27.687845700916842

frame_per_second: 87

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.1083611473441124

success_rate: 0.0

target_q: 1.9513356685638428

total_episodes: 139 total_steps: 24107

total_time: 276.9412398338318

==== TD3 Training Step 25170 =====:

actor_loss: .nan

critic_loss: 1.1593633890151978
current_q1: 2.6543972492218018
current_q2: 2.7447519302368164
episode_reward: 36.0990641477189

frame_per_second: 84

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.12387464940547943

success_rate: 0.0

target_q: 2.619955062866211

total_episodes: 147 total_steps: 25170

total_time: 297.8973422050476

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 26371 ====:

actor_loss: -3.9506874084472656 critic_loss: 0.09676216542720795

current_q1: 3.7336585521698
current_q2: 3.701082229614258
episode_reward: 45.49404254585218

frame_per_second: 82

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.19050998985767365

success_rate: 0.0

target_q: 3.654878616333008

total_episodes: 157
total_steps: 26371

total_time: 320.1389594078064

==== TD3 Training Step 27069 ====:

actor_loss: -4.533514022827148 critic_loss: 1.93355393409729 current_q1: 4.377626419067383 current_q2: 4.393542766571045 episode reward: 51.49256189067832

frame_per_second: 81

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.16946178674697876

success_rate: 0.0

target_q: 4.211267471313477

total_episodes: 162
total_steps: 27069

total_time: 332.2249057292938

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

===== TD3 Training Step 28125 =====:

actor_loss: -5.748549938201904 critic_loss: 0.9063429832458496 current_q1: 5.6437153816223145 current_q2: 5.597034454345703 episode_reward: 61.63046981920113

frame_per_second: 79

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.2319105863571167

success_rate: 0.0

target_q: 5.529651641845703

total_episodes: 172 total_steps: 28125

total_time: 352.2053906917572

===== TD3 Training Step 29129 =====:

actor_loss: -6.418254375457764 critic_loss: 1.092698097229004 current_q1: 5.9043378829956055 current_q2: 5.8170905113220215 episode_reward: 69.65413580430227

frame_per_second: 78

log_dir: MetaDrive-Tut-Hard-v0 reward: 0.21862202882766724

success_rate: 0.0

target_q: 6.035364151000977

total_episodes: 179
total_steps: 29129

 $total_time: 370.52931356430054$

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

===== TD3 Training Step 30041 =====:
actor_loss: -7.209561347961426
critic_loss: 4.111422538757324
current_q1: 6.949052333831787
current_q2: 7.038043975830078
episode_reward: 77.70825054160584
frame_per_second: 77
log_dir: MetaDrive-Tut-Hard-v0
reward: 0.2253577709197998
success_rate: 0.0

target_q: 6.971755504608154

total_episodes: 189
total_steps: 30041

total_time: 385.4774408340454

===== TD3 Training Step 31001 =====:

actor_loss: -9.660694122314453 critic_loss: 2.1130847930908203 current_q1: 9.184183120727539 current_q2: 9.109697341918945 episode_reward: 85.54073809836542

frame_per_second: 77

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.3656458258628845

success_rate: 0.0

target_q: 9.227762222290039

total_episodes: 199
total_steps: 31001

total_time: 400.88481068611145

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 32006 ====:

actor_loss: .nan

critic_loss: 5.258646011352539
current_q1: 9.569501876831055
current_q2: 9.515640258789062
episode_reward: 93.97216422769903

frame_per_second: 76

log_dir: MetaDrive-Tut-Hard-v0 reward: 0.30303239822387695

success_rate: 0.0

target_q: 9.537510871887207

total_episodes: 207 total_steps: 32006

total_time: 417.6931223869324

==== TD3 Training Step 33038 ====:

actor_loss: .nan

critic_loss: 6.6804070472717285
current_q1: 9.623023986816406
current_q2: 9.594562530517578
episode reward: 97.63195880742158

frame_per_second: 76

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.2594536542892456

success_rate: 0.0

target_q: 9.744376182556152

total_episodes: 219
total_steps: 33038

total_time: 433.9516336917877

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 34065 ====:

actor_loss: -11.264394760131836 critic_loss: 4.151665687561035 current_q1: 10.807294845581055 current_q2: 10.863875389099121 episode_reward: 92.5475567497852

frame_per_second: 75

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.28624314069747925

success_rate: 0.0

target_q: 11.07791519165039

total_episodes: 232 total_steps: 34065

total time: 450.5926468372345

===== TD3 Training Step 35068 =====:

actor_loss: .nan

critic_loss: 18.212020874023438
current_q1: 13.345407485961914
current_q2: 13.312185287475586
episode_reward: 82.59341172934609

frame_per_second: 75

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.26369795203208923

success_rate: 0.0

target_q: 13.279138565063477

total_episodes: 246
total_steps: 35068

total_time: 466.91118359565735

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 36110 =====:

actor_loss: .nan

critic_loss: 2.9813175201416016
current_q1: 13.796716690063477
current_q2: 13.746194839477539
episode_reward: 78.35086203011534

frame_per_second: 74

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.34811243414878845

success_rate: 0.0

target_q: 13.570189476013184

total_episodes: 258 total steps: 36110

total_time: 483.36745142936707

==== TD3 Training Step 37049 ====:

actor_loss: -15.159172058105469 critic_loss: 0.9171450734138489 current_q1: 14.59881591796875 current_q2: 14.495084762573242 episode_reward: 70.92527801771175

frame_per_second: 74

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.37969714403152466

success_rate: 0.0

target_q: 14.819060325622559

total_episodes: 272
total_steps: 37049

total_time: 498.1603584289551

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 38020 =====:

actor_loss: .nan

critic_loss: 16.429046630859375
current_q1: 16.31148910522461
current_q2: 16.158367156982422

episode_reward: 67.94375223663313

frame_per_second: 73

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.3421004116535187

success_rate: 0.0

target_q: 16.079513549804688

total_episodes: 284 total_steps: 38020

total_time: 513.8281228542328

==== TD3 Training Step 39054 ====:

actor_loss: .nan

critic_loss: 3.6772608757019043
current_q1: 17.189224243164062
current_q2: 17.146921157836914
episode_reward: 63.935416990792234

frame_per_second: 73

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.4116540253162384

success_rate: 0.0

target_q: 17.19619369506836

total_episodes: 298
total_steps: 39054

total_time: 529.8843479156494

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 40046 ====:

actor_loss: .nan

critic_loss: 2.9022536277770996
current_q1: 17.982017517089844
current_q2: 17.96036720275879
episode reward: 56.285218530848276

frame_per_second: 73

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.4143758714199066

success_rate: 0.0

target_q: 18.17617416381836

total_episodes: 313
total_steps: 40046

total_time: 545.6157751083374

==== TD3 Training Step 41037 ====: actor_loss: -19.091033935546875 critic_loss: 4.851839065551758

current_q1: 19.213607788085938
current_q2: 19.38378143310547
episode_reward: 55.34934296312082

frame_per_second: 73

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.37864673137664795

success_rate: 0.0

target_q: 18.752864837646484

total_episodes: 327 total_steps: 41037

total_time: 561.7745761871338

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 42096 ====:

actor_loss: .nan

critic_loss: 3.93875789642334
current_q1: 19.202699661254883
current_q2: 19.119361877441406
episode_reward: 58.395492174927675

frame_per_second: 72

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.3726353645324707

success_rate: 0.0

target_q: 18.958251953125

total_episodes: 337 total_steps: 42096

total_time: 578.9599764347076

==== TD3 Training Step 43024 ====:

actor_loss: .nan

critic_loss: 6.892699241638184
current_q1: 21.112974166870117
current_q2: 21.154315948486328
episode_reward: 63.20243449993772

frame_per_second: 72

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.3907388746738434

success_rate: 0.0

target_q: 21.02783966064453

total_episodes: 344 total_steps: 43024

total_time: 595.3796093463898

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 44072 ====:

actor_loss: .nan

critic_loss: 2.4045190811157227
current_q1: 21.638622283935547
current_q2: 22.01888656616211
episode_reward: 66.1585588089001

frame_per_second: 71

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.3853588104248047

success_rate: 0.0

target_q: 21.663375854492188

total_episodes: 352 total_steps: 44072

total_time: 612.2142169475555

==== TD3 Training Step 45278 =====:

actor_loss: .nan

critic_loss: 10.30881404876709
current_q1: 23.703292846679688
current_q2: 23.553442001342773
episode_reward: 73.13552248633852

frame_per_second: 71

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.40521538257598877

success_rate: 0.02

target_q: 23.185176849365234

total_episodes: 356 total_steps: 45278

total_time: 631.4088718891144

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 46160 =====:

actor loss: .nan

critic_loss: 5.821040630340576
current_q1: 22.99393081665039
current_q2: 22.92580795288086
episode_reward: 78.64634965513645

frame_per_second: 71

log_dir: MetaDrive-Tut-Hard-v0 reward: 0.43697667121887207

success_rate: 0.03

target_q: 23.321044921875

total_episodes: 359
total_steps: 46160

total_time: 646.7660365104675

```
===== TD3 Training Step 47292 =====: actor_loss: .nan critic_loss: 3.073310613632202
```

current_q1: 23.11327362060547
current_q2: 23.03066635131836
episode_reward: 85.93278422901689

frame_per_second: 70

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.4263698160648346

success_rate: 0.04

target_q: 23.197284698486328

total_episodes: 361
total_steps: 47292

total_time: 669.3205218315125

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 48271 ====:

actor_loss: -24.936769485473633 critic_loss: 5.220524787902832 current_q1: 24.61004066467285 current_q2: 24.495397567749023 episode_reward: 92.31028177142421

frame_per_second: 70

log_dir: MetaDrive-Tut-Hard-v0 reward: 0.4807194173336029

success_rate: 0.05

target_q: 24.601884841918945

total_episodes: 363
total_steps: 48271

total_time: 686.8302354812622

==== TD3 Training Step 49330 =====:

actor_loss: .nan

critic_loss: 5.414039611816406
current_q1: 24.756750106811523
current_q2: 24.7477970123291

episode_reward: 99.50714980649919

frame_per_second: 70

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.43752020597457886

success_rate: 0.07

target_q: 24.791240692138672

total_episodes: 366
total_steps: 49330

total_time: 703.5842156410217

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

===== TD3 Training Step 50683 =====:
actor_loss: -27.040298461914062
critic_loss: 8.119477272033691
current_q1: 26.448753356933594
current_q2: 26.742145538330078
episode_reward: 108.56215070914217

frame_per_second: 69

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.5203312039375305

success_rate: 0.09

target_q: 26.913124084472656

total_episodes: 369
total_steps: 50683

total_time: 726.3498651981354

==== TD3 Training Step 51207 =====:

actor_loss: -27.371456146240234 critic_loss: 9.820226669311523 current_q1: 26.616065979003906 current_q2: 26.35582733154297 episode_reward: 111.76038029195698

frame_per_second: 69

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.45516476035118103

success_rate: 0.1

target_q: 26.555526733398438

total_episodes: 370 total_steps: 51207

total_time: 734.5879282951355

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 52168 =====:

actor_loss: .nan

critic_loss: 6.989531517028809
current_q1: 28.579303741455078
current_q2: 28.676616668701172
episode_reward: 119.14282204972302

frame_per_second: 69

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.4414035975933075

success_rate: 0.11

target_q: 28.6059513092041

total_episodes: 373 total_steps: 52168

total_time: 751.8588631153107

==== TD3 Training Step 53260 =====:

actor_loss: .nan

critic_loss: 9.348093032836914
current_q1: 27.673198699951172
current_q2: 27.718063354492188
episode_reward: 124.59483131278225

frame_per_second: 69

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.43604689836502075

success_rate: 0.12

target_q: 27.67171859741211

total_episodes: 377 total_steps: 53260

total_time: 769.9226505756378

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

===== TD3 Training Step 54143 =====:

actor_loss: -29.178180694580078
critic_loss: 5.294272422790527
current_q1: 28.244850158691406
current_q2: 28.4394588470459

episode_reward: 128.44856984177358

frame_per_second: 69

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.4655017852783203

success_rate: 0.12

target_q: 29.095489501953125

total_episodes: 381
total_steps: 54143

total_time: 784.1825518608093

==== TD3 Training Step 55193 ====:

actor_loss: -31.62112045288086 critic_loss: 5.273111343383789 current_q1: 31.00652313232422 current_q2: 31.370006561279297 episode_reward: 134.38577171673887

frame_per_second: 68

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.5029723644256592

success_rate: 0.13

target_q: 31.46136474609375

total_episodes: 384 total_steps: 55193

total_time: 802.2142331600189

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 56281 ====:

actor_loss: -32.43116760253906 critic_loss: 9.103351593017578 current_q1: 32.37354278564453 current_q2: 32.490234375

episode_reward: 141.09506521597143

frame_per_second: 68

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.4911245107650757

success_rate: 0.14

target_q: 32.074825286865234

total_episodes: 388
total_steps: 56281

total_time: 820.5874209403992

===== TD3 Training Step 57035 =====:

actor_loss: -32.34716033935547 critic_loss: 10.469945907592773 current_q1: 31.881662368774414 current_q2: 31.863431930541992 episode reward: 144.39160012405196

frame_per_second: 67

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.48224157094955444

success_rate: 0.14

target_q: 31.87099266052246

total_episodes: 391 total_steps: 57035

total_time: 840.8647458553314

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

===== TD3 Training Step 58405 =====:

actor_loss: -32.889991760253906 critic_loss: 6.545322418212891 current_q1: 31.838890075683594 current_q2: 31.955366134643555 episode reward: 152.60468973925157

frame_per_second: 67

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.5377810001373291

success_rate: 0.16

target_q: 32.84126281738281

total_episodes: 395
total_steps: 58405

total_time: 869.4687392711639

==== TD3 Training Step 59437 ====:

actor_loss: -34.74577331542969 critic_loss: 13.36832046508789 current_q1: 34.208168029785156 current_q2: 34.001190185546875 episode_reward: 158.2662670973181

frame_per_second: 66

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.45044976472854614

success_rate: 0.17

target_q: 34.097869873046875

total_episodes: 399 total_steps: 59437

total_time: 889.5033044815063

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 60762 ====:

actor_loss: .nan

critic_loss: 23.821441650390625
current_q1: 35.35200500488281
current_q2: 35.30064392089844

episode_reward: 166.84105161903707

frame_per_second: 66

log_dir: MetaDrive-Tut-Hard-v0 reward: 0.5656151175498962

success_rate: 0.19

target_q: 34.82777404785156

total_episodes: 401
total_steps: 60762

 ${\tt total_time:}\ 915.0870895385742$

===== TD3 Training Step 61217 =====:

actor_loss: -33.84992980957031 critic_loss: 17.772850036621094 current_q1: 33.48283386230469 current_q2: 33.522945404052734 episode_reward: 170.00991388108233

frame_per_second: 66

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.44221383333206177

success_rate: 0.2

target_q: 33.46259689331055

total_episodes: 402 total_steps: 61217

total_time: 924.120171546936

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 62294 =====:

actor_loss: .nan

critic_loss: 19.0653076171875
current_q1: 34.457298278808594
current_q2: 34.65772247314453
episode_reward: 177.4919814298422

frame_per_second: 66

log_dir: MetaDrive-Tut-Hard-v0 reward: 0.5538055896759033

success_rate: 0.22

target_q: 34.52204895019531

total_episodes: 405
total_steps: 62294

total_time: 942.8553307056427

==== TD3 Training Step 63363 =====:

actor_loss: -35.99772644042969 critic_loss: 4.460806846618652 current_q1: 35.206703186035156 current_q2: 35.09203338623047 episode_reward: 184.8305021834794

frame_per_second: 65

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.5062881708145142

success_rate: 0.24

target_q: 35.353431701660156

total_episodes: 407
total_steps: 63363

total_time: 962.7487676143646

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 64448 ====:

actor_loss: .nan

critic_loss: 3.5662753582000732
current_q1: 36.376922607421875
current_q2: 36.15394973754883
episode_reward: 192.69760297605717

frame_per_second: 65

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.5517473816871643

success_rate: 0.26

target_q: 36.03134536743164

total_episodes: 409
total_steps: 64448

total_time: 984.6605885028839

===== TD3 Training Step 65432 =====:

actor_loss: .nan

critic_loss: 13.66109848022461
current_q1: 37.86735534667969
current_q2: 37.944541931152344
episode_reward: 198.25695783003758

frame_per_second: 65

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.5476343631744385

success_rate: 0.28

target_q: 38.28981018066406

total_episodes: 411 total_steps: 65432

total_time: 1003.5002315044403

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 66395 =====:

actor_loss: -38.33892822265625 critic_loss: 4.896291732788086 current_q1: 37.50077438354492 current_q2: 37.42796325683594 episode_reward: 204.75550138978204

frame_per_second: 64

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.5675157308578491

success_rate: 0.3

target_q: 37.88788986206055

total_episodes: 413
total_steps: 66395

total_time: 1021.6786494255066

==== TD3 Training Step 67018 ====:

actor_loss: .nan

critic_loss: 19.191652297973633
current_q1: 36.54035949707031
current_q2: 36.281211853027344
episode_reward: 209.03267951635192

frame_per_second: 64

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.6474359631538391

success_rate: 0.31

target_q: 36.906829833984375

total_episodes: 415 total_steps: 67018

total_time: 1033.2303035259247

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 68012 ====:

actor_loss: .nan

critic_loss: 20.24378204345703
current_q1: 37.48526382446289
current_q2: 37.27428436279297

episode_reward: 215.20527468356755

frame_per_second: 64

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.5381467342376709

success_rate: 0.32

target_q: 37.21001434326172

total_episodes: 417 total_steps: 68012

total_time: 1051.981817483902

==== TD3 Training Step 69082 ====:

actor_loss: .nan

critic_loss: 15.355779647827148
current_q1: 38.57368469238281
current_q2: 38.70801544189453
episode_reward: 222.9524370007916

frame_per_second: 64

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.5477330088615417

success_rate: 0.34

target_q: 38.380279541015625

total_episodes: 420 total_steps: 69082

total_time: 1072.0032358169556

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 70071 ====:

actor_loss: -37.80284118652344 critic_loss: 4.1651225090026855 current_q1: 37.008758544921875 current_q2: 36.841392517089844 episode_reward: 230.0039827826171

frame_per_second: 64

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.540397047996521

success_rate: 0.35

target_q: 37.278499603271484

total_episodes: 424
total_steps: 70071

total_time: 1091.0807719230652

==== TD3 Training Step 71269 ====:

actor_loss: -40.271453857421875 critic_loss: 18.62574577331543 current_q1: 39.24294662475586 current_q2: 39.60492706298828

 ${\tt episode_reward:\ 237.85820359385002}$

frame_per_second: 64

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.6341487765312195

success_rate: 0.37

target_q: 39.90625762939453

total_episodes: 426 total_steps: 71269

total_time: 1112.8473031520844

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 72463 ====: actor_loss: -39.72401428222656

 ${\tt critic_loss:}\ 4.44386100769043$

current_q1: 39.34423065185547 current_q2: 39.470458984375

episode_reward: 243.8144061616441

frame_per_second: 63

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.6124625205993652

success_rate: 0.39

target_q: 39.38945770263672

total_episodes: 429 total_steps: 72463

total_time: 1136.0407242774963

==== TD3 Training Step 73111 ====:

actor_loss: -39.507694244384766 critic_loss: 14.12675666809082 current_q1: 39.4489860534668 current_q2: 39.89424133300781

episode_reward: 247.93999705262732

frame_per_second: 63

log_dir: MetaDrive-Tut-Hard-v0

reward: 0.586662769317627

success_rate: 0.4

target_q: 39.84886932373047

total_episodes: 431 total_steps: 73111

total_time: 1147.7560362815857

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 74023 ====:

actor_loss: -41.16447448730469 critic_loss: 17.437732696533203 current_q1: 40.62583923339844 current_q2: 40.62438201904297 episode_reward: 253.9217636409005

frame_per_second: 63

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.5443919897079468

success_rate: 0.42

target_q: 40.68867111206055

total_episodes: 433 total_steps: 74023

total_time: 1162.571833372116

===== TD3 Training Step 75198 =====:

actor_loss: .nan

critic_loss: 6.329891204833984
current_q1: 39.837806701660156
current_q2: 39.79389953613281
episode reward: 261.1586097267943

frame_per_second: 63

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.5966150164604187

success_rate: 0.44

target_q: 39.965843200683594

total_episodes: 436
total_steps: 75198

total_time: 1183.8698427677155

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 76084 ====:

actor_loss: .nan

critic_loss: 4.994423866271973
current_q1: 39.86577606201172
current_q2: 39.95725631713867
episode_reward: 266.5086436999975

frame_per_second: 63

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.5575382709503174

success_rate: 0.45

target_q: 40.08850860595703

total_episodes: 438 total_steps: 76084

total_time: 1203.460539340973

==== TD3 Training Step 77273 ====:

actor_loss: -40.41986083984375 critic_loss: 5.970009803771973 current_q1: 40.296142578125 current_q2: 40.44611740112305 episode_reward: 270.9096722057017

frame_per_second: 63

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.5177005529403687

success_rate: 0.46

target_q: 39.789764404296875

total_episodes: 442
total_steps: 77273

total_time: 1223.8759355545044

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

===== TD3 Training Step 78250 =====: actor_loss: .nan critic_loss: 8.093279838562012 current_q1: 41.31499099731445 current_q2: 41.265262603759766 episode_reward: 276.4486828478888 frame_per_second: 62 log_dir: MetaDrive-Tut-Hard-v0 reward: 0.6505638360977173 success_rate: 0.48 target_q: 41.94440460205078 total_episodes: 444 total_steps: 78250 total_time: 1242.7595827579498

===== TD3 Training Step 79195 =====:

actor_loss: -42.24710464477539 critic_loss: 4.432433128356934 current_q1: 42.063751220703125 current_q2: 42.07257843017578 episode_reward: 282.3765944921781

frame_per_second: 62

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.5522706508636475

success_rate: 0.49

target_q: 41.87608337402344

total_episodes: 446
total_steps: 79195

total_time: 1261.629903793335

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 80260 =====:
actor_loss: .nan
critic_loss: 5.04279899597168
current_q1: 41.300846099853516
current_q2: 41.48381805419922
episode_reward: 287.9387538276945

frame_per_second: 62

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.6125118732452393

success_rate: 0.51

target_q: 41.925559997558594

total_episodes: 449 total_steps: 80260

total_time: 1281.8912756443024

==== TD3 Training Step 81169 ====:

actor_loss: -42.99073791503906 critic_loss: 6.05125093460083 current_q1: 42.43492889404297 current_q2: 42.537353515625

episode_reward: 291.0312439772738

frame_per_second: 62

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.6242358088493347

success_rate: 0.52

target_q: 42.99528503417969

total_episodes: 453
total_steps: 81169

total_time: 1299.0961916446686

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 82433 ====:

actor_loss: -43.36133575439453 critic_loss: 42.9329833984375 current_q1: 42.74983215332031 current_q2: 42.733360290527344 episode_reward: 292.87576517949617

frame_per_second: 62

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.5347645282745361

success_rate: 0.52

target_q: 42.78640365600586

total_episodes: 457
total_steps: 82433

total_time: 1323.72274518013

==== TD3 Training Step 83352 ====:

actor_loss: .nan

critic_loss: 6.170157432556152
current_q1: 43.20994567871094
current_q2: 43.02693557739258
episode_reward: 294.4784630855895

frame_per_second: 62

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.6477465033531189

success_rate: 0.53

target_q: 42.60749435424805

total_episodes: 459
total_steps: 83352

total_time: 1341.3401455879211

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 84197 ====:

actor_loss: -43.450347900390625 critic_loss: 19.687969207763672 current_q1: 42.868247985839844 current_q2: 42.806488037109375 episode_reward: 293.05926322181244

frame_per_second: 61

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.5433827042579651

success_rate: 0.53

target_q: 42.727394104003906

total_episodes: 462 total_steps: 84197

total_time: 1358.1875805854797

==== TD3 Training Step 85199 =====:

actor_loss: -42.480552673339844 critic_loss: 8.825835227966309 current_q1: 42.03709411621094 current_q2: 42.06779479980469

episode_reward: 291.67421903964436

frame_per_second: 61

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.6397339105606079

success_rate: 0.53

target_q: 42.43993377685547

total_episodes: 464
total_steps: 85199

 ${\tt total_time:}\ 1376.6093575954437$

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 86053 =====:

actor_loss: -43.26774215698242 critic_loss: 5.1973114013671875 current_q1: 43.526039123535156 current_q2: 43.51776123046875 episode_reward: 293.94063769950947

frame_per_second: 61

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.6113402843475342

success_rate: 0.54

target_q: 43.214149475097656

total_episodes: 466 total_steps: 86053

total_time: 1392.2239291667938

==== TD3 Training Step 87420 ====:

actor_loss: .nan

critic_loss: 17.014129638671875
current_q1: 43.15303039550781
current_q2: 43.14452362060547
episode_reward: 299.1779163182866

frame_per_second: 61

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.5939995050430298

success_rate: 0.55

target_q: 43.44102478027344

total_episodes: 468 total_steps: 87420

total_time: 1419.6275725364685

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

===== TD3 Training Step 88237 =====:

actor_loss: -43.677757263183594 critic_loss: 16.19403076171875 current_q1: 43.6143798828125 current_q2: 43.6607780456543

episode_reward: 296.31515295577736

frame_per_second: 61

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.5638080835342407

success_rate: 0.54

target_q: 43.28253936767578

total_episodes: 470 total_steps: 88237

total_time: 1435.6329500675201

==== TD3 Training Step 89130 ====:

actor_loss: .nan

critic_loss: 36.131011962890625

current_q1: 45.422462463378906
current_q2: 45.581275939941406
episode_reward: 296.6484759122143

frame_per_second: 61

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.650600254535675

success_rate: 0.55

target_q: 44.64918899536133

total_episodes: 472 total_steps: 89130

total_time: 1451.8382086753845

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

===== TD3 Training Step 90141 =====:

actor_loss: -46.019569396972656 critic_loss: 6.2397284507751465 current_q1: 45.119293212890625 current_q2: 45.210731506347656 episode_reward: 300.9958488644981

frame_per_second: 61

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.6577918529510498

success_rate: 0.57

target_q: 45.59856414794922

total_episodes: 474 total_steps: 90141

total_time: 1471.0462753772736

==== TD3 Training Step 91079 ====:

actor_loss: -45.24763488769531 critic_loss: 17.529678344726562 current_q1: 44.967193603515625 current_q2: 45.19807052612305 episode_reward: 305.2817161817529

frame_per_second: 61

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.6011478900909424

success_rate: 0.59

target_q: 44.638648986816406

total_episodes: 476 total_steps: 91079

total_time: 1488.094500541687

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 92230 ====:

actor_loss: .nan

critic_loss: 14.035343170166016
current_q1: 43.76738357543945
current_q2: 43.63092041015625
episode_reward: 309.3978511705907

frame_per_second: 61

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.6601312160491943

success_rate: 0.6

target_q: 44.38661193847656

total_episodes: 478 total_steps: 92230

total_time: 1511.6235566139221

==== TD3 Training Step 93051 ====:

actor_loss: -45.26559829711914 critic_loss: 18.851032257080078 current_q1: 45.119293212890625 current_q2: 45.296592712402344 episode_reward: 313.3345596158498

frame_per_second: 60

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.5113409161567688

success_rate: 0.61

target_q: 44.787967681884766

total_episodes: 480 total_steps: 93051

total_time: 1527.0671503543854

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 94146 ====:

actor loss: .nan

critic_loss: 54.82818603515625
current_q1: 45.12366485595703
current_q2: 45.28687286376953

episode_reward: 312.31755541273384

frame_per_second: 60

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.5370218753814697

success_rate: 0.62

target_q: 45.07827377319336

total_episodes: 484 total_steps: 94146

total_time: 1544.3576321601868

==== TD3 Training Step 95448 ====:

actor_loss: .nan

critic_loss: 20.060874938964844
current_q1: 44.96190643310547
current_q2: 45.287925720214844
episode_reward: 318.01638981844536

frame_per_second: 60

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.5698071718215942

success_rate: 0.65

target_q: 44.46699523925781

total_episodes: 487
total_steps: 95448

total_time: 1566.4981136322021

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 96316 =====:

actor_loss: .nan

critic_loss: 9.328714370727539
current_q1: 45.902305603027344
current_q2: 46.00157165527344
episode_reward: 320.1901802107941

frame_per_second: 60

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.6057727336883545

success_rate: 0.66

target_q: 47.226036071777344

total_episodes: 489 total_steps: 96316

total_time: 1580.4752037525177

==== TD3 Training Step 97144 ====:

actor_loss: .nan

critic_loss: 9.477815628051758
current_q1: 47.05739212036133
current_q2: 47.22201156616211
episode_reward: 323.98743263383994

frame_per_second: 60

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.6139971613883972

success_rate: 0.68

target_q: 46.924320220947266

total_episodes: 491
total_steps: 97144

total_time: 1595.709157705307

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

==== TD3 Training Step 98400 ====:

actor_loss: .nan

critic_loss: 7.592137336730957
current_q1: 48.040618896484375
current_q2: 47.907752990722656
episode_reward: 327.1209323905292

frame_per_second: 60

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.5987216234207153

success_rate: 0.69

target_q: 47.837554931640625

total_episodes: 493 total steps: 98400

total_time: 1619.4768879413605

==== TD3 Training Step 99385 ====:

actor_loss: -47.642127990722656 critic_loss: 22.595001220703125 current_q1: 47.55455017089844 current_q2: 47.83530044555664 episode_reward: 328.41449387680535

frame_per_second: 60

log_dir: MetaDrive-Tut-Hard-v0
reward: 0.7198482155799866

success_rate: 0.7

target_q: 47.18674850463867

total_episodes: 495 total_steps: 99385

total_time: 1636.787963628769

Trainer is saved at <MetaDrive-Tut-Hard-v0\td3>. Progress is saved at <MetaDrive-Tut-Hard-v0\td3\progress.csv>.

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Training Step:
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Training Step:
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Training Step:
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55.91it/s][INFO] Episode ended! Scenario Index: 1010 Reason:
arrive dest.
Training Step:
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                99%1
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                99%|
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| 99167/100000 [27:12<00:16, 50.90it/s]

Training Step:

99%|

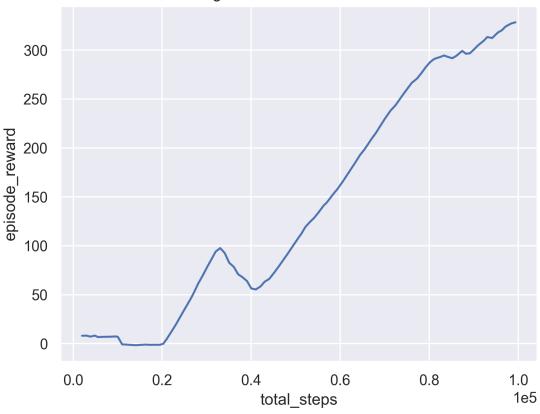
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Training Step:
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Training Step:
                         99449/100000 [27:18<00:17, 31.70it/s]
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Training Step:
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                99%|
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Training Step:
Training Step:
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Training Step:
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Training Step:
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Training Step:
                99%1
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Training Step:
                99%|
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Training Step: 100%
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                         99612/100000 [27:23<00:10, 38.49it/s]
Training Step: 100%|
                         | 99616/100000 [27:23<00:10, 36.54it/s]
Training Step: 100%
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Training Step: 100%
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Training Step: 100%|
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Training Step: 100%|
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Training Step: 100%
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                         | 99733/100000 [27:27<00:05, 46.59it/s]
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Training Step: 100%|
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Training Step: 100%|
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                         | 99752/100000 [27:27<00:06, 36.67it/s]
Training Step: 100%|
Training Step: 100%|
                         | 99756/100000 [27:27<00:06, 37.13it/s]
                         | 99760/100000 [27:27<00:06, 36.92it/s]
Training Step: 100%|
Training Step: 100%|
                         | 99765/100000 [27:27<00:06, 38.56it/s]
Training Step: 100%|
                         | 99770/100000 [27:28<00:05, 39.50it/s]
Training Step: 100%|
                         | 99775/100000 [27:28<00:05, 40.93it/s]
Training Step: 100%|
                         99780/100000 [27:28<00:05, 41.16it/s]
Training Step: 100%
                         | 99785/100000 [27:28<00:05, 42.07it/s]
Training Step: 100%
                         99790/100000 [27:28<00:04, 42.10it/s]
Training Step: 100%
                         99796/100000 [27:28<00:04, 44.56it/s]
Training Step: 100%|
                         | 99801/100000 [27:28<00:04, 45.65it/s]
Training Step: 100%|
                         | 99807/100000 [27:28<00:04, 48.01it/s]
Training Step: 100%|
                         | 99812/100000 [27:28<00:03, 48.19it/s]
                         99818/100000 [27:29<00:03, 49.24it/s]
Training Step: 100%|
Training Step: 100%|
                         | 99824/100000 [27:29<00:03, 50.12it/s]
Training Step: 100%|
                         99830/100000 [27:29<00:03, 51.70it/s]
                         | 99836/100000 [27:29<00:03, 51.51it/s]
Training Step: 100%|
Training Step: 100%|
                         99842/100000 [27:29<00:02, 52.82it/s]
Training Step: 100%|
                         | 99848/100000 [27:29<00:02, 51.12it/s]
Training Step: 100%|
                         | 99854/100000 [27:29<00:02, 50.01it/s]
```

```
Training Step: 100%|
                             | 99860/100000 [27:29<00:02, 51.16it/s]
                             | 99866/100000 [27:29<00:02, 53.24it/s]
    Training Step: 100%|
    Training Step: 100%|
                             | 99872/100000 [27:30<00:02, 53.63it/s]
    Training Step: 100%|
                             | 99878/100000 [27:30<00:02, 55.25it/s]
    Training Step: 100%
                             | 99884/100000 [27:30<00:02, 55.65it/s]
    Training Step: 100%
                             | 99890/100000 [27:30<00:01, 56.89it/s]
    Training Step: 100%
                             | 99897/100000 [27:30<00:01, 58.65it/s]
    Training Step: 100%
                             99903/100000 [27:30<00:01, 57.62it/s]
    Training Step: 100%
                             99909/100000 [27:30<00:01,
    58.30it/s][INFO] Episode ended! Scenario Index: 1007 Reason:
    arrive_dest.
                             | 99915/100000 [27:30<00:01, 50.16it/s]
    Training Step: 100%|
    Training Step: 100%|
                             | 99922/100000 [27:30<00:01, 54.47it/s]
                             | 99929/100000 [27:31<00:01, 58.01it/s]
    Training Step: 100%
    Training Step: 100%
                             | 99936/100000 [27:31<00:01, 58.57it/s]
                             | 99942/100000 [27:31<00:01, 57.55it/s]
    Training Step: 100%
    Training Step: 100%|
                             | 99948/100000 [27:31<00:00, 56.21it/s]
    Training Step: 100%|
                             | 99954/100000 [27:31<00:00, 56.40it/s]
                             | 99960/100000 [27:31<00:00, 56.00it/s]
    Training Step: 100%
    Training Step: 100%
                             | 99966/100000 [27:31<00:00, 55.41it/s]
    Training Step: 100%
                             | 99972/100000 [27:31<00:00, 55.18it/s]
    Training Step: 100%|
                             | 99978/100000 [27:31<00:00, 55.01it/s]
    Training Step: 100%|
                             | 99984/100000 [27:32<00:00, 54.16it/s]
    Training Step: 100%|
                             | 99990/100000 [27:32<00:00, 51.75it/s]
                             | 99996/100000 [27:32<00:00, 50.78it/s]
    Training Step: 100%|
                             | 100000/100000 [27:32<00:00, 60.52it/s]
    Training Step: 100%|
[9]: import pandas as pd
     import matplotlib.pyplot as plt
     import seaborn as sns
     progress = pd.read_csv("MetaDrive-Tut-Hard-v0/td3/progress.csv")
     print("The log contains these keys: ", progress.keys())
     plt.figure(dpi=300)
     sns.set("notebook", "darkgrid")
     ax = sns.lineplot(
        data=progress,
        x="total steps",
        y="episode_reward"
     ax.set_title("TD3 agent in MetaDrive-Tut-Hard-v0")
     ax.ticklabel_format(style='sci', scilimits=(0,0), axis='x')
     # TODO: You should remove this line in your code.
     # ax.annotate("REFERENCE", (0, 200), size=50, alpha=0.05)
```

```
plt.savefig('metadrive-hard-td3.png', format='png', dpi=300, dpi=3
```

TD3 agent in MetaDrive-Tut-Hard-v0



1.3.3 Demo 2.3: Evaluate TD3 in MetaDrive

```
[12]: !python eval_td3.py \[ \]
    --env-id="MetaDrive-Tut-Hard-v0" \
    --log-dir="MetaDrive-Tut-Hard-v0/td3"
```

```
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\core
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\core
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
```

```
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\core
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
```

```
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Finished 10/50 episodes. Average episode reward: 249.111
Finished 20/50 episodes. Average episode reward: 286.470
Finished 30/50 episodes. Average episode reward: 297.915
Finished 40/50 episodes. Average episode reward: 302.430
Finished 50/50 episodes. Average episode reward: 294.562
The average return after running TD3 agent for 50 episodes in MetaDrive-Tut-
Hard-v0 environment: 294.5623916406736.
Result is saved at: MetaDrive-Tut-Hard-v0/td3/eval results.csv
c:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-Easy-v0 already in registry.
  logger.warn(f"Overriding environment {new_spec.id} already in registry.")
c:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-Hard-v0 already in registry.
  logger.warn(f"Overriding environment {new_spec.id} already in registry.")
c:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-1Env-v0 already in registry.
  logger.warn(f"Overriding environment {new_spec.id} already in registry.")
c:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-5Env-v0 already in registry.
  logger.warn(f"Overriding environment {new_spec.id} already in registry.")
c:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-10Env-v0 already in registry.
```

```
logger.warn(f"Overriding environment {new_spec.id} already in registry.")
c:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-20Env-v0 already in registry.
  logger.warn(f"Overriding environment {new_spec.id} already in registry.")
c:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-50Env-v0 already in registry.
  logger.warn(f"Overriding environment {new_spec.id} already in registry.")
c:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-100Env-v0 already in registry.
  logger.warn(f"Overriding environment {new_spec.id} already in registry.")
c:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-Test-v0 already in registry.
  logger.warn(f"Overriding environment {new_spec.id} already in registry.")
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
\verb|c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\core\td3_train| \\
er.py:233: FutureWarning: You are using `torch.load` with `weights_only=False`
(the current default value), which uses the default pickle module implicitly. It
is possible to construct malicious pickle data which will execute arbitrary code
during unpickling (See
https://github.com/pytorch/pytorch/blob/main/SECURITY.md#untrusted-models for
more details). In a future release, the default value for `weights only` will be
flipped to `True`. This limits the functions that could be executed during
unpickling. Arbitrary objects will no longer be allowed to be loaded via this
mode unless they are explicitly allowlisted by the user via
`torch.serialization.add_safe_globals`. We recommend you start setting
`weights_only=True` for any use case where you don't have full control of the
loaded file. Please open an issue on GitHub for any issues related to this
experimental feature.
  self.critic.load_state_dict(torch.load(os.path.join(filename, "critic")))
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\core\td3_train
er.py:234: FutureWarning: You are using `torch.load` with `weights_only=False`
(the current default value), which uses the default pickle module implicitly. It
is possible to construct malicious pickle data which will execute arbitrary code
during unpickling (See
https://github.com/pytorch/pytorch/blob/main/SECURITY.md#untrusted-models for
more details). In a future release, the default value for `weights_only` will be
```

flipped to `True`. This limits the functions that could be executed during unpickling. Arbitrary objects will no longer be allowed to be loaded via this mode unless they are explicitly allowlisted by the user via `torch.serialization.add_safe_globals`. We recommend you start setting `weights only=True` for any use case where you don't have full control of the loaded file. Please open an issue on GitHub for any issues related to this experimental feature. self.critic_optimizer.load_state_dict(torch.load(os.path.join(filename, "critic_optimizer"))) c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\core\td3_train er.py:237: FutureWarning: You are using `torch.load` with `weights_only=False` (the current default value), which uses the default pickle module implicitly. It is possible to construct malicious pickle data which will execute arbitrary code during unpickling (See https://github.com/pytorch/pytorch/blob/main/SECURITY.md#untrusted-models for more details). In a future release, the default value for `weights only` will be flipped to `True`. This limits the functions that could be executed during unpickling. Arbitrary objects will no longer be allowed to be loaded via this mode unless they are explicitly allowlisted by the user via `torch.serialization.add safe globals`. We recommend you start setting `weights only=True` for any use case where you don't have full control of the loaded file. Please open an issue on GitHub for any issues related to this experimental feature. self.actor.load_state_dict(torch.load(os.path.join(filename, "actor"))) c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\core\td3_train er.py:238: FutureWarning: You are using `torch.load` with `weights_only=False` (the current default value), which uses the default pickle module implicitly. It is possible to construct malicious pickle data which will execute arbitrary code during unpickling (See https://github.com/pytorch/pytorch/blob/main/SECURITY.md#untrusted-models for more details). In a future release, the default value for `weights_only` will be flipped to `True`. This limits the functions that could be executed during unpickling. Arbitrary objects will no longer be allowed to be loaded via this mode unless they are explicitly allowlisted by the user via `torch.serialization.add safe globals`. We recommend you start setting `weights_only=True` for any use case where you don't have full control of the loaded file. Please open an issue on GitHub for any issues related to this experimental feature. self.actor_optimizer.load_state_dict(torch.load(os.path.join(filename, "actor_optimizer"))) [INFO] Environment: MetaDriveEnv [INFO] MetaDrive version: 0.4.3 [INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(), lane_line_detector: LaneLineDetector()] [INFO] Render Mode: none [INFO] Horizon (Max steps per agent): 1000 [INFO] Assets version: 0.4.3

[INFO] Environment: MetaDriveEnv

```
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane line detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Environment: MetaDriveEnv
```

```
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Assets version: 0.4.3
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Assets version: 0.4.3
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: arrive_dest.
[INFO] Episode ended! Scenario Index: 1017 Reason: arrive_dest.
[INFO] Episode ended! Scenario Index: 1008 Reason: arrive_dest.
[INFO] Episode ended! Scenario Index: 1013 Reason: arrive_dest.
[INFO] Episode ended! Scenario Index: 1010 Reason: arrive_dest.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: arrive_dest.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: arrive_dest.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: arrive_dest.
```

```
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
     [INFO] Episode ended! Scenario Index: 1001 Reason: arrive_dest.
     [INFO] Episode ended! Scenario Index: 1013 Reason: arrive_dest.
     [INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
     [INFO] Episode ended! Scenario Index: 1015 Reason: arrive_dest.
     [INFO] Episode ended! Scenario Index: 1019 Reason: arrive dest.
     [INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
     [INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
     [INFO] Episode ended! Scenario Index: 1004 Reason: arrive_dest.
     [INFO] Episode ended! Scenario Index: 1005 Reason: arrive_dest.
     [INFO] Episode ended! Scenario Index: 1004 Reason: arrive_dest.
     [INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
     [INFO] Episode ended! Scenario Index: 1001 Reason: arrive_dest.
     [INFO] Episode ended! Scenario Index: 1013 Reason: arrive_dest.
     [INFO] Episode ended! Scenario Index: 1000 Reason: arrive_dest.
     [INFO] Episode ended! Scenario Index: 1000 Reason: arrive_dest.
     [INFO] Episode ended! Scenario Index: 1004 Reason: arrive_dest.
     [INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
     [INFO] Episode ended! Scenario Index: 1018 Reason: arrive dest.
     [INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
     [INFO] Episode ended! Scenario Index: 1000 Reason: arrive dest.
     [INFO] Episode ended! Scenario Index: 1011 Reason: arrive_dest.
     [INFO] Episode ended! Scenario Index: 1011 Reason: arrive_dest.
     [INFO] Episode ended! Scenario Index: 1019 Reason: arrive_dest.
     [INFO] Episode ended! Scenario Index: 1019 Reason: arrive_dest.
     [INFO] Episode ended! Scenario Index: 1010 Reason: arrive_dest.
     [INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
     [INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
     [INFO] Episode ended! Scenario Index: 1010 Reason: arrive_dest.
     [INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
     [INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
     [INFO] Episode ended! Scenario Index: 1004 Reason: arrive_dest.
     [INFO] Episode ended! Scenario Index: 1014 Reason: arrive_dest.
     [INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
     [INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
     [INFO] Episode ended! Scenario Index: 1000 Reason: arrive dest.
     [INFO] Episode ended! Scenario Index: 1008 Reason: arrive_dest.
[13]: import pandas as pd
      import matplotlib.pyplot as plt
      import seaborn as sns
      td3_eval = pd.read_csv("MetaDrive-Tut-Hard-v0/td3/eval_results.csv")
      print("TD3 agent average reward: {}".format(td3_eval.rewards.mean()))
     TD3 agent average reward: 294.5623916406736
```

[INFO] Episode ended! Scenario Index: 1015 Reason: arrive_dest.

1.4 Demo 3: Train a PPO agent

You need to finish core/ppo_trainer.py, core/buffer.py and train_ppo.py.

Here we use GAE [1] (Generalized Advantage Estimation) to estimate the advantage. This technique is implemented in PPORolloutStorage.compute_returns in core/buffer.py. Concretely, we estimate the advantage of current state t via:

$$\delta_t = r_t + \gamma V(s_{t+1}) - V(s_t)$$

$$A_t^{GAE} = \sum_{l=0}^{\infty} (\gamma \lambda)^l \delta_{t+l}$$

wherein V is the state value function, λ is a hyper-parameter defined in PPOConfig["gae_lambda"].

You can find that when $\lambda = 0$, the GAE estimates advantage in an one-step TD manner. When $\lambda = 1$, the GAE reduces to Monte Carlo Estimation of the state value. Therefore by varying the λ , we can adjust the trade-off between the accuracy of the estimation, namely the bias, and the variance of the advantage.

[1]: Schulman, John , et al. "High-Dimensional Continuous Control Using Generalized Advantage Estimation." (2015).

1.4.1 Demo 3.1 Train and draw the learning curve of PPO in CartPole

```
[15]: !python train_ppo.py \\
    --env-id CartPole-v1 \\
    --log-dir CartPole-v1 \\
    --num-envs 10 \\
    --max-steps 300000
```

c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\core Start training!

c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\core

==== ppo Training Iteration 0 =====:

adv_mean: 8.544449806213379 entropy: 0.6854138829769232 episode_reward: 21.66

episode_reward: 21.66 frame_per_second: 1102

grad_norm: 38.449898421458705

iteration: 0

log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\Car

tPole-v1\ppo

policy_loss: -0.016986302443397924

ratio: 1.0010018738416524

total_episodes: 884

total_loss: 59.98056534987229

total_steps: 20000

total_time: 18.144805192947388 value_loss: 59.99755155123197

Trainer is saved at <c:\Users\Admin\Documents\cs260r-assignment-2025winter\assig nment3\CartPole-v1\ppo\checkpoint-iter0.pkl>. Progress is saved at <c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\CartPole-v1\ppo\progress.c sv>.

==== ppo Training Iteration 1 ====:

adv_mean: 7.805471897125244 entropy: 0.6582230188907721 episode_reward: 36.73

frame_per_second: 1243

grad_norm: 64.93233408805652

iteration: 1

 $\label{log_dir:c:Users} $$\log_{\text{cs}260r-assignment-2025winter}$ assignment $$\cs260r-assignment-2025winter$$ assignment $$\cs260r-assignment $$\cs260r-assignment-2025winter$$ assignment $$\cs260r-assignment $$\cs260r-a$

tPole-v1\ppo

policy_loss: -0.017280317433118725

ratio: 1.0006323653918046 total_episodes: 1474

total_loss: 69.787095167698

total_steps: 40000

total_time: 32.16666007041931 value_loss: 69.80437540396666

===== ppo Training Iteration 2 =====:

adv_mean: 7.918827056884766 entropy: 0.6198627297694866

episode_reward: 61.18
frame_per_second: 1315

grad_norm: 79.16028320972737

iteration: 2

log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\Car
tPole-v1\ppo

policy_loss: -0.016254089502856516

ratio: 1.0006686201462378

total_episodes: 1791
total_loss: 91.52559355711325

total_steps: 60000 total_time: 45.62497854232788 value_loss: 91.54184766916129 ==== ppo Training Iteration 3 ====: adv mean: 7.66693115234375 entropy: 0.5916525383790334 episode_reward: 113.36 frame_per_second: 1324 grad_norm: 85.17129224385971 iteration: 3 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\Car tPole-v1\ppo policy_loss: -0.01379286538487157 ratio: 0.9998971356031222 total_episodes: 1964 total_loss: 81.74220312069625 total_steps: 80000 total time: 60.41568040847778 value_loss: 81.75599593138084 ==== ppo Training Iteration 4 ====: adv_mean: 6.884119987487793 entropy: 0.5676217468885275 episode_reward: 172.56 frame_per_second: 1340 grad_norm: 89.5517792286017 iteration: 4 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\Car tPole-v1\ppo policy_loss: -0.009138690412211686 ratio: 1.000632280187729 total episodes: 2076 total_loss: 63.03479279493674 total_steps: 100000 total_time: 74.58256459236145 value_loss: 63.04393147199582 ===== ppo Training Iteration 5 =====: adv_mean: 6.424250602722168 entropy: 0.5508354941239724

episode_reward: 241.97
frame_per_second: 1363

iteration: 5

grad_norm: 83.33007957751934

```
log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\Car
tPole-v1\ppo
 policy_loss: -0.006220920545120652
 ratio: 1.0000033900523797
 total episodes: 2152
 total_loss: 54.261224773602606
 total steps: 120000
 total_time: 88.00755667686462
 value_loss: 54.267445640074904
 ==== ppo Training Iteration 6 ====:
  adv_mean: 5.658293724060059
  entropy: 0.541066371783232
  episode_reward: 323.33
  frame_per_second: 1387
  grad_norm: 82.30461833171356
  iteration: 6
 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\Car
tPole-v1\ppo
 policy loss: -0.004256672154252346
 ratio: 1.0001055784714528
 total_episodes: 2202
 total_loss: 68.2306154691256
 total_steps: 140000
 total_time: 100.89349889755249
 value_loss: 68.23487217731964
 ==== ppo Training Iteration 7 ====:
  adv_mean: 3.364748239517212
  entropy: 0.5220564071184549
  episode_reward: 359.88
  frame_per_second: 1409
  grad norm: 80.80690181683272
  iteration: 7
 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\Car
tPole-v1\ppo
 policy_loss: -0.005227738156771431
 ratio: 0.9984452479160749
 total_episodes: 2265
 total_loss: 64.88349187557515
  total_steps: 160000
 total_time: 113.48724579811096
 value_loss: 64.88871960517687
 ===== ppo Training Iteration 8 =====:
```

adv_mean: 2.8697426319122314 entropy: 0.5237191922771625 episode_reward: 329.7 frame_per_second: 1427 grad norm: 82.73101484347612 iteration: 8 log dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\Car tPole-v1\ppo policy_loss: -0.003677471618478497 ratio: 0.9994943488102693 total_episodes: 2325 total_loss: 68.33971511645194 total_steps: 180000 total_time: 126.07374119758606 value_loss: 68.34339257264749 ==== ppo Training Iteration 9 ====: adv_mean: 2.8306992053985596 entropy: 0.5293488712647022 episode_reward: 365.68 frame_per_second: 1444 grad_norm: 75.46685258914263 iteration: 9 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\Car tPole-v1\ppo policy_loss: -0.0020672905981206358 ratio: 0.9999283409271484 total_episodes: 2373 total_loss: 59.38832635634985 total_steps: 200000 total_time: 138.4512996673584 value_loss: 59.39039366795466 ==== ppo Training Iteration 10 =====: adv_mean: 2.3815512657165527 entropy: 0.53110685081054 episode_reward: 415.21 frame_per_second: 1455 grad_norm: 86.48286545826839 iteration: 10 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\Car tPole-v1\ppo policy_loss: -0.0025231875085200257 ratio: 1.0004668497886413 total_episodes: 2420

total_loss: 76.12831389598357

total_steps: 220000

total_time: 151.19837880134583 value_loss: 76.13083702478653

entropy: 0.5136956897301551

Trainer is saved at <c:\Users\Admin\Documents\cs260r-assignment-2025winter\assig nment3\CartPole-v1\ppo\checkpoint-iter10.pkl>. Progress is saved at <c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\CartPole-v1\ppo\progress.csv>.

===== ppo Training Iteration 11 =====: adv_mean: 1.7295873165130615 entropy: 0.5197424094264324 episode_reward: 443.63 frame_per_second: 1465 grad_norm: 83.92434832010514 iteration: 11 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\Car tPole-v1\ppo policy_loss: -0.0038527157590485727 ratio: 0.9983546947821592 total episodes: 2463 total_loss: 86.03309782468355 total_steps: 240000 total time: 163.7918186187744 value_loss: 86.03695057110909 ===== ppo Training Iteration 12 =====: adv_mean: 1.3464561700820923 entropy: 0.5175923965680294 episode_reward: 467.94 frame_per_second: 1472 grad_norm: 86.17529848538912 iteration: 12 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\Car tPole-v1\ppo policy loss: -0.0016427167768900592 ratio: 1.000009963222039 total_episodes: 2504 total_loss: 91.59338306769347 total_steps: 260000 total_time: 176.54438948631287 value_loss: 91.5950257619222 ==== ppo Training Iteration 13 ====: adv_mean: 0.6905569434165955

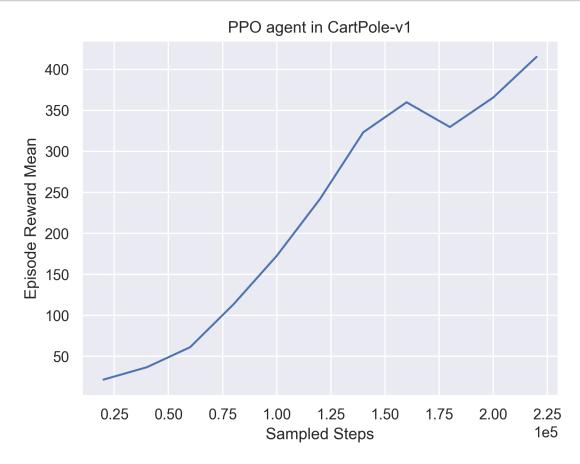
episode_reward: 487.71 frame_per_second: 1478 grad_norm: 72.13820686829396 iteration: 13 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\Car tPole-v1\ppo policy loss: -0.0017153173941784562 ratio: 0.9998789369295805 total_episodes: 2544 total_loss: 100.02329124059433 total_steps: 280000 total_time: 189.34766364097595 value_loss: 100.02500648743067 ==== ppo Training Iteration 14 ====: adv_mean: 0.17370158433914185 entropy: 0.5039704210483111 episode_reward: 498.91 frame_per_second: 1487 grad norm: 71.16864357728224 iteration: 14 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\Car tPole-v1\ppo policy_loss: -0.0016085956627741838 ratio: 1.0000775177509358 total_episodes: 2584 total_loss: 111.39452076447316 total_steps: 300000 total_time: 201.61612010002136 value_loss: 111.39612943698198 ===== ppo Training Iteration 15 =====: adv mean: 0.0024518310092389584 entropy: 0.4711626118574387 episode_reward: 499.83 frame_per_second: 1499 grad_norm: 70.17717073513911 iteration: 15 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\Car tPole-v1\ppo policy_loss: -0.001102644138229199 ratio: 0.9994311347985879 total_episodes: 2624 total_loss: 112.06761387556027 total_steps: 320000

total_time: 213.4462695121765

```
0%1
               | 0/300000 [00:00<?, ?it/s]
  7%1
              | 20000/300000 [00:15<03:32, 1317.94it/s]
 13%|
              | 40000/300000 [00:29<03:08, 1380.12it/s]
 13%|
              | 40000/300000 [00:40<03:08, 1380.12it/s]
              | 60000/300000 [00:42<02:48, 1426.56it/s]
 20%|
              | 80000/300000 [00:57<02:37, 1396.25it/s]
 27%1
27%1
             | 80000/300000 [01:10<02:37, 1396.25it/s]
             | 100000/300000 [01:11<02:22, 1401.80it/s]
 33%1
 40%1
             | 120000/300000 [01:25<02:05, 1430.51it/s]
             | 140000/300000 [01:37<01:48, 1468.11it/s]
 47%|
 47%|
             | 140000/300000 [01:50<01:48, 1468.11it/s]
            | 160000/300000 [01:50<01:33, 1504.29it/s]
 53%|
            | 180000/300000 [02:03<01:18, 1529.78it/s]
 60% l
67%1
            | 200000/300000 [02:15<01:04, 1555.35it/s]
           | 220000/300000 [02:28<00:51, 1559.24it/s]
73%1
 73%1
           | 220000/300000 [02:40<00:51, 1559.24it/s]
           | 240000/300000 [02:40<00:38, 1568.18it/s]
80%1
          | 260000/300000 [02:53<00:25, 1568.22it/s]
87%1
93%1
          | 280000/300000 [03:06<00:12, 1566.37it/s]
100%|
          | 300000/300000 [03:18<00:00, 1585.11it/s]
          | 300000/300000 [03:30<00:00, 1585.11it/s]
100%
320000it [03:30, 1615.41it/s]
320000it [03:30, 1520.42it/s]
```

```
[]: import pandas as pd
     import matplotlib.pyplot as plt
     import seaborn as sns
     ppo_progress = pd.read_csv("CartPole-v1/ppo/progress.csv")
     plt.figure(dpi=300)
     sns.set("notebook", "darkgrid")
     ax = sns.lineplot(
         data=ppo_progress,
         x="total_steps",
         y="episode_reward"
     ax.set_title("PPO agent in CartPole-v1")
     ax.set_ylabel("Episode Reward Mean")
     ax.set_xlabel("Sampled Steps")
     # You should remove this line in your code:
     # ax.annotate("REFERENCE", (ax.get_xlim()[1] / 10, ax.get_ylim()[1]*6/10), 
      \Rightarrowsize=50, alpha=0.05)
```

```
ax.ticklabel_format(style='sci', scilimits=(0,0), axis='x')
plt.savefig('cartpole-ppo.png', format='png', dpi=300, bbox_inches="tight")
```



1.4.2 Demo 3.2: Train and play with the PPO agent in MetaDrive Hard Env.

```
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
```

```
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
  0%1
               | 0/1000000 [00:00<?, ?it/s][INFO] Episode ended!
Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: max step
[INFO] Episode ended! Scenario Index: 1014 Reason: max step
```

```
[INFO] Episode ended! Scenario Index: 1002 Reason: max step
[INFO] Episode ended! Scenario Index: 1005 Reason: max step
[INFO] Episode ended! Scenario Index: 1005 Reason: max step
[INFO] Episode ended! Scenario Index: 1004 Reason: max step
[INFO] Episode ended! Scenario Index: 1003 Reason: max step
[INFO] Episode ended! Scenario Index: 1015 Reason: max step
[INFO] Episode ended! Scenario Index: 1017 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1000 Reason: max step
[INFO] Episode ended! Scenario Index: 1011 Reason: max step
[INFO] Episode ended! Scenario Index: 1013 Reason: max step
[INFO] Episode ended! Scenario Index: 1012 Reason: max step
[INFO] Episode ended! Scenario Index: 1013 Reason: max step
[INFO] Episode ended! Scenario Index: 1019 Reason: max step
[INFO] Episode ended! Scenario Index: 1005 Reason: max step
[INFO] Episode ended! Scenario Index: 1003 Reason: max step
[INFO] Episode ended! Scenario Index: 1015 Reason: max step
              | 20000/1000000 [00:33<27:17, 598.48it/s][INFO] Episode
  2%1
ended! Scenario Index: 1006 Reason: max step
[INFO] Episode ended! Scenario Index: 1015 Reason: max step
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1008 Reason: max step
[INFO] Episode ended! Scenario Index: 1017 Reason: max step
[INFO] Episode ended! Scenario Index: 1006 Reason: max step
[INFO] Episode ended! Scenario Index: 1016 Reason: max step
[INFO] Episode ended! Scenario Index: 1005 Reason: max step
[INFO] Episode ended! Scenario Index: 1004 Reason: max step
[INFO] Episode ended! Scenario Index: 1005 Reason: max step
  2%1
              | 20000/1000000 [00:50<27:17, 598.48it/s][INFO] Episode
ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: max step
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: max step
[INFO] Episode ended! Scenario Index: 1009 Reason: max step
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: max step
[INFO] Episode ended! Scenario Index: 1014 Reason: max step
[INFO] Episode ended! Scenario Index: 1010 Reason: max step
[INFO] Episode ended! Scenario Index: 1019 Reason: max step
  4%1
              | 40000/1000000 [01:09<27:49, 574.87it/s][INFO] Episode
ended! Scenario Index: 1008 Reason: max step
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: max step
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
```

```
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: max step
[INFO] Episode ended! Scenario Index: 1019 Reason: max step
              | 40000/1000000 [01:20<27:49, 574.87it/s][INFO] Episode
  4%1
ended! Scenario Index: 1015 Reason: max step
[INFO] Episode ended! Scenario Index: 1016 Reason: max step
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1004 Reason: max step
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: max step
[INFO] Episode ended! Scenario Index: 1000 Reason: max step
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: max step
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: max step
[INFO] Episode ended! Scenario Index: 1013 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
  6%1
              | 60000/1000000 [01:50<29:28, 531.38it/s][INFO] Episode
ended! Scenario Index: 1005 Reason: max step
[INFO] Episode ended! Scenario Index: 1013 Reason: max step
[INFO] Episode ended! Scenario Index: 1012 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: max step
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: max step
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
```

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[INFO] Episode ended! Scenario Index: 1015 Reason: max step
[INFO] Episode ended! Scenario Index: 1015 Reason: max step
  6% I
              | 60000/1000000 [02:10<29:28, 531.38it/s][INFO] Episode
ended! Scenario Index: 1008 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: max step
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
 8%1
              | 80000/1000000 [02:28<29:10, 525.68it/s][INFO] Episode
ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1012 Reason: max step
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: max step
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
  8%1
              | 80000/1000000 [02:40<29:10, 525.68it/s][INFO] Episode
ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: max step
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
```

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[INFO] Episode ended! Scenario Index: 1012 Reason: max step
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1000 Reason: max step
[INFO] Episode ended! Scenario Index: 1010 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1016 Reason: max step
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: max step
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
              | 100000/1000000 [03:22<32:43, 458.48it/s][INFO] Episode
ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: max step
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: max step
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
 10%|
               | 100000/1000000 [03:40<32:43, 458.48it/s][INFO] Episode
ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1012 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1012 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: max step
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
 12%
              | 120000/1000000 [04:06<32:09, 456.16it/s][INFO] Episode
ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out of road.
              | 120000/1000000 [04:20<32:09, 456.16it/s][INFO] Episode
ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: max step
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1016 Reason: max step
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
14%|
              | 140000/1000000 [04:47<30:47, 465.41it/s][INFO] Episode
ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1018 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out of road.
              | 140000/1000000 [05:00<30:47, 465.41it/s][INFO] Episode
ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
 16% l
              | 160000/1000000 [05:29<29:49, 469.51it/s][INFO] Episode
ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1001 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
              | 160000/1000000 [05:40<29:49, 469.51it/s][INFO] Episode
 16%|
ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1007 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
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              | 180000/1000000 [06:11<29:00, 471.19it/s][INFO] Episode
ended! Scenario Index: 1003 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1007 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
              | 180000/1000000 [06:30<29:00, 471.19it/s][INFO] Episode
 18%|
ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1012 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1001 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1009 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
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ended! Scenario Index: 1014 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
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              | 200000/1000000 [07:10<28:22, 469.88it/s][INFO] Episode
20%|
ended! Scenario Index: 1002 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
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22%1
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[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
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             | 220000/1000000 [08:00<28:19, 458.84it/s][INFO] Episode
22%1
ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1007 Reason: crash vehicle
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| 240000/1000000 [08:28<28:28, 444.92it/s][INFO] Episode
 24%1
ended! Scenario Index: 1017 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
             | 240000/1000000 [08:40<28:28, 444.92it/s][INFO] Episode
24%|
ended! Scenario Index: 1019 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1008 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1002 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1009 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
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26%
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ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1018 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
             | 260000/1000000 [09:30<28:07, 438.63it/s][INFO] Episode
ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out of road.
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28%1
ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
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28%1
             | 280000/1000000 [10:20<27:46, 431.97it/s][INFO] Episode
ended! Scenario Index: 1007 Reason: out_of_road.
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30%|
ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1009 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
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30%1
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ended! Scenario Index: 1019 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1000 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
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             | 320000/1000000 [11:38<26:35, 426.20it/s][INFO] Episode
ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1000 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out of road.
             | 320000/1000000 [11:50<26:35, 426.20it/s][INFO] Episode
ended! Scenario Index: 1003 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
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34%|
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ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
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34%|
ended! Scenario Index: 1003 Reason: out_of_road.
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36%1
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ended! Scenario Index: 1010 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
             | 360000/1000000 [13:20<24:44, 431.06it/s][INFO] Episode
36%1
ended! Scenario Index: 1009 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
38%1
             | 380000/1000000 [13:58<24:20, 424.55it/s][INFO] Episode
ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1002 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1009 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
38%1
             | 380000/1000000 [14:10<24:20, 424.55it/s][INFO] Episode
ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
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40%1
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ended! Scenario Index: 1002 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
             | 400000/1000000 [15:00<23:28, 425.91it/s][INFO] Episode
40%|
ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
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            420000/1000000 [15:35<23:12, 416.64it/s][INFO] Episode
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[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
             | 420000/1000000 [15:50<23:12, 416.64it/s][INFO] Episode
42%|
ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1017 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1008 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
44%|
             | 440000/1000000 [16:24<22:32, 414.05it/s][INFO] Episode
ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
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44%1
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ended! Scenario Index: 1000 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
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             | 460000/1000000 [17:13<21:45, 413.59it/s][INFO] Episode
46%1
ended! Scenario Index: 1011 Reason: out_of_road.
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             460000/1000000 [17:30<21:45, 413.59it/s][INFO] Episode
46%1
ended! Scenario Index: 1018 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
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             | 480000/1000000 [18:01<20:58, 413.11it/s][INFO] Episode
ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
```

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[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
```

```
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
48%1
             | 480000/1000000 [18:20<20:58, 413.11it/s][INFO] Episode
ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
```

```
[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
             | 500000/1000000 [18:49<20:02, 415.87it/s][INFO] Episode
ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
```

```
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
50%1
             | 500000/1000000 [19:00<20:02, 415.87it/s][INFO] Episode
ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
```

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[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1011 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: arrive_dest.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: arrive_dest.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
52%1
            | 520000/1000000 [19:36<19:09, 417.65it/s][INFO] Episode
ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
            | 520000/1000000 [19:50<19:09, 417.65it/s][INFO] Episode
ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
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```
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1006 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
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| 540000/1000000 [20:30<19:03, 402.28it/s][INFO] Episode
ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1006 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
            | 540000/1000000 [20:41<19:03, 402.28it/s][INFO] Episode
ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
            | 560000/1000000 [21:19<18:09, 403.94it/s][INFO] Episode
56%1
ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1013 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out of road.
56% l
            | 560000/1000000 [21:31<18:09, 403.94it/s][INFO] Episode
ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
            | 580000/1000000 [22:12<17:37, 397.04it/s][INFO] Episode
58%|
ended! Scenario Index: 1001 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.

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[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
            | 580000/1000000 [22:31<17:37, 397.04it/s][INFO] Episode
ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
```

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[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
```

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[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1005 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1005 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
            | 600000/1000000 [23:03<16:51, 395.33it/s][INFO] Episode
ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
```

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[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
```

```
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
            | 600000/1000000 [23:21<16:51, 395.33it/s][INFO] Episode
60%1
ended! Scenario Index: 1014 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1014 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
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| 620000/1000000 [23:51<15:46, 401.55it/s][INFO] Episode

62%1

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ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1018 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: out of road.
           | 620000/1000000 [24:01<15:46, 401.55it/s][INFO] Episode
ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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```
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
           | 640000/1000000 [24:39<14:47, 405.79it/s][INFO] Episode
64%|
ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1018 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
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           | 640000/1000000 [24:51<14:47, 405.79it/s][INFO] Episode
64%|
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66%1
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66%|
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68%|
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           | 680000/1000000 [26:31<12:59, 410.61it/s][INFO] Episode
68% l
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[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road. | 700000/1000000 [27:03<12:06, 412.82it/s][INFO] Episode 70%1 ended! Scenario Index: 1015 Reason: out_of_road. [INFO] Episode ended! Scenario Index: 1010 Reason: out of road. [INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle [INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle [INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road. [INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle [INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle [INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle [INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road. [INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road. [INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle [INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle [INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle [INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road. [INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle [INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road. [INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle [INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle [INFO] Episode ended! Scenario Index: 1001 Reason: out of road. [INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road. [INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle [INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road. [INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road. [INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road. [INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road. [INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle [INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle [INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle [INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle [INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road. [INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road. [INFO] Episode ended! Scenario Index: 1011 Reason: out of road. [INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle [INFO] Episode ended! Scenario Index: 1006 Reason: out of road. [INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle [INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road. [INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle [INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle [INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road. [INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle [INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road. [INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle [INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.

[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle

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[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
70%|
           | 700000/1000000 [27:21<12:06, 412.82it/s][INFO] Episode
ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle

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[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
           | 720000/1000000 [27:50<11:13, 415.70it/s][INFO] Episode
ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
72%|
           | 720000/1000000 [28:01<11:13, 415.70it/s][INFO] Episode
ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1015 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
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           | 740000/1000000 [28:38<10:25, 415.96it/s][INFO] Episode
ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
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| 740000/1000000 [28:51<10:25, 415.96it/s][INFO] Episode
74%|
ended! Scenario Index: 1015 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1001 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
```

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[INFO] Episode ended! Scenario Index: 1000 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
76%1
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[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
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           | 760000/1000000 [29:41<09:35, 416.88it/s][INFO] Episode
76%|
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[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
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78%|
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[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
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82%1
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82%|
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[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
84%|
           | 840000/1000000 [32:35<06:19, 421.68it/s][INFO] Episode
ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1007 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
           | 840000/1000000 [32:51<06:19, 421.68it/s][INFO] Episode
84%|
ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
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86%1
           | 860000/1000000 [33:22<05:32, 421.59it/s][INFO] Episode
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[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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86%|
           | 860000/1000000 [33:41<05:32, 421.59it/s][INFO] Episode
ended! Scenario Index: 1006 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
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88%|
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[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
           | 880000/1000000 [34:21<04:46, 418.32it/s][INFO] Episode
88%1
ended! Scenario Index: 1018 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
```

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[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
```

```
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
           | 900000/1000000 [35:00<04:00, 415.32it/s][INFO] Episode
ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.

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[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
90%1
           | 900000/1000000 [35:11<04:00, 415.32it/s][INFO] Episode
ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
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```
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
```

```
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1011 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
92%1
          | 920000/1000000 [35:49<03:13, 413.56it/s][INFO] Episode
```

ended! Scenario Index: 1000 Reason: out_of_road.

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[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1019 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
```

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| 920000/1000000 [36:01<03:13, 413.56it/s][INFO] Episode
ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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```
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1019 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1019 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
          | 940000/1000000 [36:38<02:25, 412.40it/s][INFO] Episode
94%|
ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
          | 940000/1000000 [36:51<02:25, 412.40it/s][INFO] Episode
94%|
ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out of road.
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[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
96%1
          | 960000/1000000 [37:27<01:37, 410.95it/s][INFO] Episode
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[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1008 Reason: out_of_road.
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          | 960000/1000000 [37:41<01:37, 410.95it/s][INFO] Episode
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98%|
          | 980000/1000000 [38:13<00:47, 417.79it/s][INFO] Episode
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[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
98%1
          980000/1000000 [38:31<00:47, 417.79it/s][INFO] Episode
ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
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[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
```

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[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
          | 1000000/1000000 [39:02<00:00, 415.19it/s][INFO] Episode
ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1011 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1004 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
          | 1000000/1000000 [39:21<00:00, 415.19it/s][INFO] Episode
ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1003 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1006 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1005 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
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[INFO] Episode ended! Scenario Index: 1014 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1015 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
1020000it [39:50, 414.03it/s]
1020000it [39:50, 426.65it/s]
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Start training!
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\core
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
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'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
 ==== ppo Training Iteration 0 ====:
   adv mean: 0.15893812477588654
    entropy: 2.7697850481057777
    episode reward: 8.696733586426019
   frame_per_second: 532
    grad_norm: 1.0324745737589323
    iteration: 0
    log_dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
Hard-v0\ppo
   policy_loss: -0.015310559125963408
   ratio: 1.0005055899039292
    success_rate: 0.0
   total_episodes: 20
   total_loss: 0.03251583390296078
   total_steps: 20000
   total time: 37.5765905380249
   value loss: 0.04782639297370154
Trainer is saved at
<c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-</pre>
Tut-Hard-v0\ppo\checkpoint-iter0.pkl>. Progress is saved at
\verb|\c:\Users\Admin\Documents\cs:260r-assignment-2025winter\assignment3\\| MetaDrive-level | Color | Co
Tut-Hard-v0\ppo\progress.csv>.
  ==== ppo Training Iteration 1 ====:
    adv_mean: 0.22378939390182495
    entropy: 2.722475115458171
    episode_reward: 10.555017565496248
    frame_per_second: 545
```

```
grad_norm: 1.1587602375027461
  iteration: 1
  log_dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
Hard-v0\ppo
  policy_loss: -0.013335705816578598
  ratio: 1.000473363353656
  success_rate: 0.0
  total_episodes: 42
  total_loss: 0.08118551702787861
  total_steps: 40000
  total_time: 73.33875226974487
  value_loss: 0.09452122306355681
 ==== ppo Training Iteration 2 ====:
  adv_mean: 0.25357455015182495
  entropy: 2.6280397405991187
  episode_reward: 10.48836348453759
  frame_per_second: 524
  grad norm: 1.4946618561943372
  iteration: 2
  log_dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
Hard-v0\ppo
  policy_loss: -0.009094066353729712
 ratio: 0.9997981558243434
  success_rate: 0.0
  total_episodes: 74
  total_loss: 0.3234614543998853
  total_steps: 60000
  total_time: 114.36521911621094
  value_loss: 0.3325555201333303
 ===== ppo Training Iteration 3 =====:
  adv_mean: 0.3314647376537323
  entropy: 2.5668575366338096
  episode_reward: 12.868045056312397
  frame_per_second: 522
  grad_norm: 1.807570918630331
  iteration: 3
  log_dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
Hard-v0\ppo
 policy_loss: -0.009675627859691397
  ratio: 0.9980129311482112
  success_rate: 0.0
```

total_loss: 0.4428851161438685 total_steps: 80000 total_time: 153.03752660751343 value_loss: 0.45256074505547683 ===== ppo Training Iteration 4 =====: adv_mean: 0.5600343346595764 entropy: 2.460848311583201 episode_reward: 17.16580608195459 frame_per_second: 484 grad_norm: 2.256459745210715 iteration: 4 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo policy_loss: -0.009425511313244128 ratio: 1.000111852853726 success rate: 0.0 total_episodes: 145 total loss: 0.6824503422165529 total_steps: 100000 total_time: 206.54643774032593 value_loss: 0.6918758555482596 ==== ppo Training Iteration 5 ====: adv_mean: 0.6436170935630798 entropy: 2.371690212151943 episode_reward: 21.524352113299766 frame_per_second: 478 grad_norm: 3.6559932702626936 iteration: 5 log dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo policy_loss: -0.009354088997516113 ratio: 1.0008268914925746 success_rate: 0.0 total_episodes: 205 total_loss: 1.3454577507881018 total_steps: 120000 total_time: 250.82181215286255 value_loss: 1.3548118422428768 ==== ppo Training Iteration 6 ====:

total_episodes: 106

adv_mean: 0.8377015590667725 entropy: 2.328560474897042 episode_reward: 20.831802971313984 frame_per_second: 479 grad norm: 6.582741456918227 iteration: 6 log dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo policy_loss: -0.008822247777014779 ratio: 1.0009171796150698 success_rate: 0.0 total_episodes: 276 total_loss: 2.0327411914483093 total_steps: 140000 total_time: 292.0001094341278 value_loss: 2.0415634386814556 ===== ppo Training Iteration 7 =====: adv_mean: 1.2478811740875244 entropy: 2.2405825981727014 episode_reward: 30.107041158874775 frame_per_second: 479 grad_norm: 13.341524418042257 iteration: 7 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tutpolicy_loss: -0.010601807312251856 ratio: 1.0014493509744986 success_rate: 0.0 total_episodes: 348 total_loss: 2.7745906337713584 total steps: 160000 total_time: 333.79602909088135 value_loss: 2.7851924448441236 ===== ppo Training Iteration 8 =====: adv_mean: 1.6386144161224365 entropy: 2.0911079296698936 episode_reward: 37.18077820190481 frame_per_second: 478 grad_norm: 20.487649347843266 iteration: 8 log_dir:

c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-

```
Hard-v0\ppo
 policy_loss: -0.0066918375585467
 ratio: 1.0000297183409714
  success_rate: 0.0
 total episodes: 445
 total_loss: 7.638481367245698
 total steps: 180000
 total_time: 375.906210899353
 value_loss: 7.645173209752792
 ==== ppo Training Iteration 9 ====:
  adv_mean: 2.368950128555298
  entropy: 1.9713052054246267
  episode_reward: 48.699047152920315
  frame_per_second: 477
  grad_norm: 34.029939693671004
  iteration: 9
 log_dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
 policy_loss: -0.007817953285904457
 ratio: 0.9984582408116414
 success rate: 0.0
 total_episodes: 548
 total_loss: 10.462739330682998
 total_steps: 200000
  total_time: 418.73403882980347
 value_loss: 10.470557289857132
 ==== ppo Training Iteration 10 =====:
 adv_mean: 3.4585695266723633
  entropy: 1.8305716357170008
  episode reward: 62.014808993950645
  frame_per_second: 473
 grad norm: 51.72893920067029
  iteration: 10
 log_dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
Hard-v0\ppo
 policy_loss: -0.004763323708604544
 ratio: 1.000016896464886
  success_rate: 0.0
 total_episodes: 674
  total_loss: 21.33725705635853
  total_steps: 220000
 total_time: 464.6344292163849
```

Trainer is saved at <c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-</pre> Tut-Hard-v0\ppo\checkpoint-iter10.pkl>. Progress is saved at <c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-</pre> Tut-Hard-v0\ppo\progress.csv>. ==== ppo Training Iteration 11 ====: adv_mean: 4.369524955749512 entropy: 1.7989444381151445 episode_reward: 90.56782721191831 frame_per_second: 468 grad_norm: 77.3815064063439 iteration: 11 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo policy_loss: -0.004213356351456008 ratio: 0.9996728523419454 success rate: 0.0 total episodes: 775 total_loss: 25.537873848890648 total_steps: 240000 total_time: 512.7150371074677 value_loss: 25.54208722725893 ===== ppo Training Iteration 12 =====: adv_mean: 4.205987930297852 entropy: 1.701548648950381 episode_reward: 99.61840523711308 frame_per_second: 464 grad_norm: 98.19090946393135 iteration: 12 log dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo policy_loss: -0.004074583431849113 ratio: 0.9996044786312641 success_rate: 0.0 total_episodes: 883

value_loss: 21.342020379579985

total_loss: 35.51705816709078

total_time: 559.7945909500122 value_loss: 35.52113276995146

total_steps: 260000

```
==== ppo Training Iteration 13 ====:
  adv_mean: 4.711177825927734
  entropy: 1.5952981306956364
  episode_reward: 109.97311995479427
  frame_per_second: 460
  grad_norm: 142.31771541497648
  iteration: 13
 log_dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
Hard-v0\ppo
 policy_loss: -0.0013708695429019058
 ratio: 0.9995714014157271
  success_rate: 0.0
 total_episodes: 997
  total_loss: 50.43176474938026
 total_steps: 280000
 total_time: 607.7178580760956
 value_loss: 50.43313554372543
 ===== ppo Training Iteration 14 =====:
  adv_mean: 4.042733669281006
  entropy: 1.556908672589522
  episode_reward: 111.81299608221696
 frame_per_second: 457
  grad_norm: 186.38059569138747
  iteration: 14
  log_dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
Hard-v0\ppo
 policy_loss: -0.00287807134923358
 ratio: 1.0000264243437693
  success_rate: 0.0
 total_episodes: 1110
 total loss: 54.09511126493796
 total_steps: 300000
 total time: 655.5432696342468
 value_loss: 54.09798935132149
 ==== ppo Training Iteration 15 ====:
  adv_mean: 3.868597984313965
  entropy: 1.4279832060520465
  episode_reward: 113.65359751236144
  frame_per_second: 455
  grad_norm: 230.98685768323068
  iteration: 15
  log_dir:
```

```
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
Hard-v0\ppo
    policy_loss: -0.002619938339250019
    ratio: 0.9999106258153916
     success rate: 0.0
     total_episodes: 1235
     total loss: 62.773812470069295
     total_steps: 320000
     total time: 702.8594026565552
     value_loss: 62.77643252641727
  ==== ppo Training Iteration 16 =====:
     adv_mean: 3.4465432167053223
     entropy: 1.3966459087836436
     episode_reward: 114.10467206419855
     frame_per_second: 454
     grad_norm: 285.13575744628906
     iteration: 16
     log dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
Hard-v0\ppo
    policy_loss: -0.0017275066586593406
     ratio: 0.9995095612911078
     success_rate: 0.0
     total_episodes: 1358
     total_loss: 67.54943646651049
     total_steps: 340000
     total_time: 747.3073351383209
     value_loss: 67.55116392771403
  ==== ppo Training Iteration 17 ====:
     adv_mean: 3.0545358657836914
     entropy: 1.3249015176907564
     episode_reward: 122.85809755193822
     frame_per_second: 453
     grad_norm: 357.49475377400717
     iteration: 17
     log_dir:
\verb|c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\\| MetaDrive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-
Hard-v0\ppo
     policy_loss: -0.0012803587435673064
    ratio: 0.9991656664090279
     success_rate: 0.0
     total_episodes: 1483
     total_loss: 73.3028194134052
     total_steps: 360000
```

total_time: 794.2070734500885 value_loss: 73.30409970894839 ===== ppo Training Iteration 18 =====: adv_mean: 2.8554375171661377 entropy: 1.2010297494056896 episode_reward: 121.74030734661287 frame_per_second: 450 grad_norm: 435.22648716461964 iteration: 18 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo policy_loss: -0.0020763257428860434 ratio: 0.999949934772956 success_rate: 0.0 total_episodes: 1619 total_loss: 85.44056834196434 total_steps: 380000 total_time: 842.9742865562439 value loss: 85.44264471592048 ==== ppo Training Iteration 19 =====: adv_mean: 1.5509034395217896 entropy: 1.161523764867049 episode_reward: 116.30881603517815 frame_per_second: 449 grad_norm: 549.8540368495843 iteration: 19 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo policy loss: -0.0011068346802718364 ratio: 0.9997408075210376 success_rate: 0.0 total_episodes: 1765 total_loss: 94.21940444555038 total_steps: 400000 total_time: 889.5810170173645 value_loss: 94.2205112408369 ==== ppo Training Iteration 20 ====: adv_mean: 1.5753374099731445 entropy: 1.1024972684872456

episode_reward: 117.2894823141187

frame_per_second: 446 grad_norm: 559.5917807163337 iteration: 20 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo policy loss: 0.0008211328409230097 ratio: 0.9997234305510154 success_rate: 0.0 total_episodes: 1911 total_loss: 97.61420219617013 total_steps: 420000 total_time: 940.0093111991882 value_loss: 97.6133810825837 Trainer is saved at <c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-</pre> Tut-Hard-v0\ppo\checkpoint-iter20.pkl>. Progress is saved at <c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-</pre> Tut-Hard-v0\ppo\progress.csv>. ===== ppo Training Iteration 21 =====: adv_mean: 1.562860131263733 entropy: 1.0651215400451268 episode_reward: 121.38221963306738 frame_per_second: 444 grad_norm: 600.4214387746957 iteration: 21 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo policy_loss: 0.0010869625179717938 ratio: 1.0001026148215317 success_rate: 0.0 total episodes: 2055 total_loss: 87.174840428279 total steps: 440000 total_time: 989.0242087841034 value_loss: 87.17375340094934 ===== ppo Training Iteration 22 =====: adv_mean: 1.9033446311950684 entropy: 1.05012320685081 episode_reward: 131.40482398352043 frame_per_second: 443 grad_norm: 685.7462913317559 iteration: 22

```
log_dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
Hard-v0\ppo
 policy_loss: 0.0003175391529041987
 ratio: 1.0002679479427827
  success_rate: 0.0
 total_episodes: 2197
  total_loss: 87.53967740474603
  total_steps: 460000
 total_time: 1037.5051493644714
  value_loss: 87.53935978718293
 ===== ppo Training Iteration 23 =====:
  adv_mean: 0.5179618000984192
  entropy: 1.0458986115761293
  episode_reward: 117.2743173518773
  frame_per_second: 441
  grad_norm: 747.7814006707607
  iteration: 23
  log dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
Hard-v0\ppo
 policy_loss: 0.0009341051363242933
 ratio: 0.999640975625087
  success_rate: 0.0
  total_episodes: 2346
  total_loss: 96.93954694209954
  total_steps: 480000
  total_time: 1086.0511724948883
  value_loss: 96.93861274719238
 ===== ppo Training Iteration 24 =====:
  adv mean: 1.7156468629837036
  entropy: 0.9809121606441644
  episode_reward: 124.77550162906236
  frame_per_second: 441
  grad_norm: 762.5643440637833
  iteration: 24
  log_dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
Hard-v0\ppo
 policy_loss: 0.00044257678390026856
  ratio: 0.9989531041719975
  success_rate: 0.0
  total_episodes: 2486
```

total_loss: 77.55814162034255

total_steps: 500000 total_time: 1133.3937253952026 value_loss: 77.55769899808443 ===== ppo Training Iteration 25 =====: adv mean: 1.321205973625183 entropy: 0.9291484533976286 episode_reward: 137.45783330660248 frame_per_second: 440 grad_norm: 928.8068102714343 iteration: 25 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo policy_loss: 0.0018009547776996326 ratio: 1.0000596164128719 success_rate: 0.02 total_episodes: 2628 total loss: 84.10368181375357 total_steps: 520000 total time: 1180.8032367229462 value_loss: 84.10188085115873 ===== ppo Training Iteration 26 =====: adv_mean: 1.0413181781768799 entropy: 0.9040822679415728 episode_reward: 136.00094835689592 frame_per_second: 437 grad_norm: 963.3604522313827 iteration: 26 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo policy_loss: 0.001170290178523805 ratio: 0.9998653129125252 success_rate: 0.0 total_episodes: 2773 total_loss: 87.54250642336332 total_steps: 540000 total_time: 1234.7870464324951 value_loss: 87.54133617205497 ==== ppo Training Iteration 27 ====:

adv_mean: 0.49023348093032837 entropy: 0.8561426236843451

```
episode_reward: 124.68678621591846
  frame_per_second: 436
  grad_norm: 1011.3346094767253
  iteration: 27
 log dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
Hard-v0\ppo
 policy_loss: -0.0003734847268041892
 ratio: 0.9992623719649437
 success_rate: 0.0
 total_episodes: 2925
 total_loss: 92.36061242910532
 total_steps: 560000
 total_time: 1283.8226306438446
 value_loss: 92.36098584395188
 ==== ppo Training Iteration 28 ====:
 adv_mean: 0.5052575469017029
  entropy: 0.8686931571899317
  episode_reward: 125.06562743101638
 frame_per_second: 434
 grad_norm: 1141.4108036530324
  iteration: 28
 log_dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
Hard-v0\ppo
 policy_loss: 0.001935682764563423
 ratio: 0.9993170100144851
  success_rate: 0.0
 total_episodes: 3078
 total_loss: 95.25466883732723
 total_steps: 580000
 total_time: 1336.2045986652374
 value_loss: 95.25273307409041
 ==== ppo Training Iteration 29 =====:
 adv_mean: 1.0904918909072876
  entropy: 0.8756973718985533
  episode_reward: 129.35751950922153
  frame_per_second: 432
  grad_norm: 1145.287903105907
  iteration: 29
  log_dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
Hard-v0\ppo
 policy_loss: 0.0005285567771165799
```

ratio: 0.9997172761421937 success_rate: 0.0 total_episodes: 3226 total_loss: 94.60938741243802 total steps: 600000 total time: 1387.3013138771057 value loss: 94.6088588763506 ==== ppo Training Iteration 30 =====: adv_mean: 0.9127435088157654 entropy: 0.8624210426440606 episode_reward: 130.45169401314243 frame_per_second: 431 grad_norm: 1186.9078743567834 iteration: 30 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo policy loss: 0.0014008795872378426 ratio: 0.99839644409143 success rate: 0.0 total_episodes: 3375 total loss: 81.50985510410406 total_steps: 620000 total_time: 1435.2737214565277 value_loss: 81.50845431303367 Trainer is saved at <c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-</pre> Tut-Hard-v0\ppo\checkpoint-iter30.pkl>. Progress is saved at <c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-</pre> Tut-Hard-v0\ppo\progress.csv>. ===== ppo Training Iteration 31 =====: adv_mean: 0.7923306822776794 entropy: 0.8234334146365141 episode_reward: 131.14428865035634 frame_per_second: 431 grad_norm: 1215.1578956799628 iteration: 31 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo policy_loss: 0.0023126947783076992 ratio: 0.9996244532175553 success_rate: 0.0

total_episodes: 3526

total_loss: 86.48153761839255 total_steps: 640000 total_time: 1483.352445602417 value_loss: 86.47922498262845 ===== ppo Training Iteration 32 =====: adv_mean: 1.133743166923523 entropy: 0.7532585885280217 episode_reward: 136.07331958478053 frame_per_second: 431 grad_norm: 1337.5721260266425 iteration: 32 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo policy_loss: 0.0009068259909653511 ratio: 0.9992733852985578 success_rate: 0.0 total episodes: 3677 total_loss: 98.45435677552834 total steps: 660000 total_time: 1531.0291378498077 value_loss: 98.45344992417556 ===== ppo Training Iteration 33 =====: adv_mean: 1.176138997077942 entropy: 0.6792472114929786 episode_reward: 136.7641680388203 frame_per_second: 430 grad_norm: 1479.2476024529872 iteration: 33 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo policy loss: 0.0022816279876189164 ratio: 0.9997182294344291 success_rate: 0.0 total_episodes: 3828 total_loss: 86.22718459887382 total_steps: 680000 total_time: 1579.5130698680878 value_loss: 86.22490303822053 ==== ppo Training Iteration 34 ====: adv_mean: 1.232023000717163

```
entropy: 0.6646635580521364
  episode_reward: 135.30988304119217
  frame_per_second: 430
  grad_norm: 1434.4169884314904
  iteration: 34
  log dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
Hard-v0\ppo
 policy_loss: 0.00392083268170842
  ratio: 1.0003063874366955
  success_rate: 0.0
  total_episodes: 3983
  total_loss: 103.73951910459078
  total_steps: 700000
  total_time: 1627.3506033420563
  value_loss: 103.73559831961607
 ===== ppo Training Iteration 35 =====:
  adv mean: 0.6049096584320068
  entropy: 0.6708178232113521
  episode_reward: 127.00582420422077
  frame_per_second: 429
  grad_norm: 1339.0134623209635
  iteration: 35
  log_dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
Hard-v0\ppo
  policy_loss: 0.002249775357090701
 ratio: 0.9995219363616064
  success_rate: 0.0
  total_episodes: 4142
  total_loss: 91.89674683106252
  total_steps: 720000
  total time: 1674.6808378696442
  value_loss: 91.89449702042799
 ==== ppo Training Iteration 36 ====:
  adv_mean: 0.6151262521743774
  entropy: 0.6715768533639419
  episode_reward: 128.53484581931315
  frame_per_second: 429
  grad_norm: 1550.0897612351637
  iteration: 36
  log_dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
```

Hard-v0\ppo

policy_loss: -0.0011351743748841377 ratio: 0.9991088278018512 success_rate: 0.0 total_episodes: 4302 total loss: 89.18305532504351 total_steps: 740000 total time: 1722.6912276744843 value_loss: 89.18419048113701 ==== ppo Training Iteration 37 =====: adv_mean: -0.05221989005804062 entropy: 0.6378525420641288 episode_reward: 122.48598099489568 frame_per_second: 429 grad_norm: 1539.2405750763721 iteration: 37 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo policy loss: 0.000798678649470019 ratio: 0.9990734266164976 success_rate: 0.0 total_episodes: 4466 total_loss: 82.18809218284412 total_steps: 760000 total_time: 1770.4187383651733 value_loss: 82.18729358575283 ==== ppo Training Iteration 38 ====: adv_mean: 0.7743677496910095 entropy: 0.6058607080043891 episode_reward: 125.02201999712645 frame_per_second: 429 grad norm: 1709.5277857071314 iteration: 38 log dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo policy_loss: 0.0025171639761911373 ratio: 0.9999931156635284 success_rate: 0.0 total_episodes: 4624 total_loss: 88.26796302306346 total_steps: 780000 total_time: 1817.9069657325745

value_loss: 88.26544578258807

```
==== ppo Training Iteration 39 =====:
  adv_mean: -0.36294570565223694
  entropy: 0.6073212525019279
  episode_reward: 122.23691755858043
  frame_per_second: 428
  grad_norm: 1834.1740303235176
  iteration: 39
  log_dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
Hard-v0\ppo
 policy_loss: 0.002369927719402581
 ratio: 1.0001669127971697
  success_rate: 0.0
  total_episodes: 4786
  total_loss: 84.82547427935478
  total_steps: 800000
  total_time: 1865.0010046958923
  value_loss: 84.82310423728747
 ==== ppo Training Iteration 40 =====:
  adv_mean: 0.17989033460617065
  entropy: 0.6105930812083757
  episode_reward: 123.45097821400883
  frame_per_second: 428
  grad_norm: 1756.1040995279948
  iteration: 40
  log_dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
Hard-v0\ppo
  policy_loss: -0.0002976112694551165
 ratio: 1.0001084541663146
  success rate: 0.0
 total_episodes: 4947
 total loss: 88.59293968983185
  total_steps: 820000
 total_time: 1912.3599257469177
  value_loss: 88.59323719709347
Trainer is saved at
<c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-</pre>
Tut-Hard-v0\ppo\checkpoint-iter40.pkl>. Progress is saved at
<c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-</pre>
Tut-Hard-v0\ppo\progress.csv>.
```

==== ppo Training Iteration 41 ====:

adv_mean: 0.26354673504829407 entropy: 0.5388729237593137 episode_reward: 118.94470788363658 frame_per_second: 428 grad norm: 1908.6727259318034 iteration: 41 log dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo policy_loss: 0.002040062095516194 ratio: 1.0001089478914553 success_rate: 0.0 total_episodes: 5115 total_loss: 91.63700441702818 total_steps: 840000 total_time: 1959.546966791153 value_loss: 91.63496450766539 ===== ppo Training Iteration 42 =====: adv_mean: 0.3174631893634796 entropy: 0.5341009617998049 episode_reward: 124.3958172967812 frame_per_second: 428 grad_norm: 1940.2250844710913 iteration: 42 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo policy_loss: 0.003224645929936415 ratio: 1.0004827536833591 success_rate: 0.0 total_episodes: 5277 total_loss: 101.52429078909067 total steps: 860000 total_time: 2007.0128905773163 value_loss: 101.52106624994522 ===== ppo Training Iteration 43 =====: adv_mean: 0.5712101459503174 entropy: 0.5994717262876339 episode_reward: 125.85967397509897 frame_per_second: 428 grad_norm: 1904.7251149886695 iteration: 43 log_dir:

c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-

```
Hard-v0\ppo
    policy_loss: -0.00048755292709057145
     ratio: 0.9998250978879439
     success_rate: 0.0
     total episodes: 5435
     total_loss: 94.00128152798383
     total steps: 880000
     total_time: 2055.686676979065
     value_loss: 94.0017691000914
  ===== ppo Training Iteration 44 =====:
     adv_mean: 1.1545789241790771
     entropy: 0.600934710410925
     episode_reward: 135.50458196123273
     frame_per_second: 427
     grad_norm: 1643.9432944664588
     iteration: 44
     log_dir:
\verb|c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\\| MetaDrive-Tut-description of the context of the contex
     policy_loss: 0.0014415250607551292
    ratio: 1.001245012344458
     success_rate: 0.01
    total_episodes: 5593
     total_loss: 99.93969866434733
     total_steps: 900000
     total_time: 2104.6494493484497
     value_loss: 99.93825719295404
  ==== ppo Training Iteration 45 ====:
     adv_mean: 0.9790263175964355
     entropy: 0.5775783810860071
     episode reward: 135.4143697993832
     frame_per_second: 427
     grad_norm: 1684.433218344664
     iteration: 45
     log_dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
Hard-v0\ppo
     policy_loss: 0.0014244835149162473
    ratio: 0.9994150795233555
     success_rate: 0.0
     total_episodes: 5748
     total_loss: 80.48325623243284
     total_steps: 920000
     total_time: 2153.488038301468
```

value_loss: 80.48183177556747

```
==== ppo Training Iteration 46 ====:
  adv mean: -0.24083107709884644
  entropy: 0.5983793707230152
  episode_reward: 129.80840471377857
 frame_per_second: 426
 grad_norm: 2132.665978964781
  iteration: 46
 log_dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
Hard-v0\ppo
 policy_loss: -0.00014514839575172235
 ratio: 1.0002659621911172
 success_rate: 0.0
 total_episodes: 5909
 total_loss: 88.43875820942414
 total_steps: 940000
 total time: 2202.3020441532135
 value_loss: 88.43890347113977
 ==== ppo Training Iteration 47 ====:
 adv_mean: 0.7840365767478943
  entropy: 0.6252788446652584
  episode_reward: 128.2798686016731
 frame_per_second: 426
  grad_norm: 1820.786463615222
  iteration: 47
  log_dir:
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-
Hard-v0\ppo
 policy_loss: 0.0007184807891742541
 ratio: 0.9997198312710494
  success_rate: 0.0
 total_episodes: 6068
 total_loss: 84.5890501560309
 total_steps: 960000
 total_time: 2251.3681421279907
 value_loss: 84.58833168714474
 ==== ppo Training Iteration 48 ====:
  adv_mean: -0.45436951518058777
  entropy: 0.5578380942726746
  episode_reward: 127.31745874575894
  frame_per_second: 426
```

grad_norm: 2206.309127651117 iteration: 48 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo policy_loss: 0.005402001977348939 ratio: 0.9995260159174602 success_rate: 0.0 total_episodes: 6231 total_loss: 85.52285236456456 total_steps: 980000 total_time: 2297.380360841751 value_loss: 85.51745034242288 ==== ppo Training Iteration 49 =====: adv_mean: 0.4141065180301666 entropy: 0.5596995832064213 episode_reward: 130.00046806320944 frame per second: 426 grad norm: 2163.4498747605544 iteration: 49 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo policy_loss: 0.0001219147470039435 ratio: 0.998995475203563 success_rate: 0.0 total_episodes: 6391 total_loss: 86.12796429854173 total_steps: 1000000 total_time: 2346.251033306122 value_loss: 86.12784233093262 ==== ppo Training Iteration 50 =====: adv_mean: 0.6942201256752014 entropy: 0.5536105487973262 episode_reward: 134.00954214556938 frame_per_second: 425 grad_norm: 2056.128746854342 iteration: 50 log_dir: c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo policy_loss: 0.0023981278678641103 ratio: 1.0000996676010963

success_rate: 0.0

```
total_episodes: 6548

total_loss: 97.1063854559874

total_steps: 1020000

total_time: 2394.862555503845

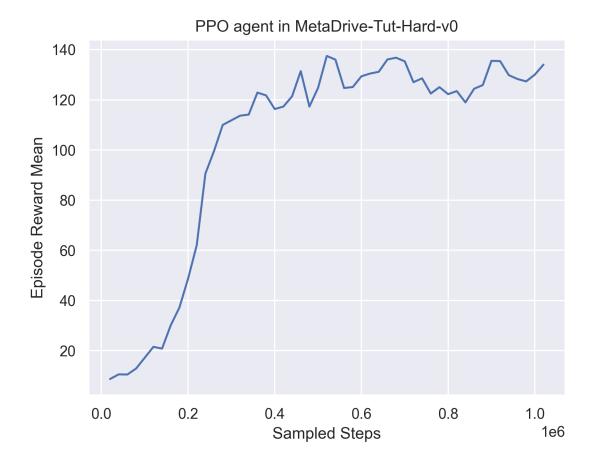
value_loss: 97.10398743458283

Trainer is saved at

<c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-
Tut-Hard-v0\ppo\checkpoint-iter50.pkl>. Progress is saved at

<c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-
Tut-Hard-v0\ppo\progress.csv>.
```

```
[26]: import pandas as pd
      import matplotlib.pyplot as plt
      import seaborn as sns
      ppo_progress = pd.read_csv("MetaDrive-Tut-Hard-v0/ppo/progress.csv")
      plt.figure(dpi=300)
      sns.set("notebook", "darkgrid")
      ax = sns.lineplot(
          data=ppo_progress,
          x="total_steps",
          y="episode_reward"
      ax.set_title("PPO agent in MetaDrive-Tut-Hard-v0")
      ax.set ylabel("Episode Reward Mean")
      ax.set_xlabel("Sampled Steps")
      ax.ticklabel_format(style='sci', scilimits=(0,0), axis='x')
      # TODO: Remove this line
      # ax.annotate("REFERENCE", (0, ax.get_ylim()[1]*6/10), size=50, alpha=0.05)
      plt.savefig('metadrive-hard-ppo.png', format='png', dpi=300, __
       ⇔bbox_inches="tight")
```



1.4.3 Demo 3.3: Evaluate PPO in MetaDrive

[21]: !python eval_ppo.py \

```
--env-id="MetaDrive-Tut-Hard-v0" \
        --log-dir="MetaDrive-Tut-Hard-v0/ppo"
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\core
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\core
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
 'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
 'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
 'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
 'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
 'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully load weights from
\verb|C:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\\| MetaDrive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-drive-Tut-
Hard-v0\ppo\checkpoint-final.pkl!
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\core
```

```
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\core
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
```

```
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Finished 10/50 episodes. Average episode reward: 136.337
Finished 20/50 episodes. Average episode reward: 124.369
Finished 30/50 episodes. Average episode reward: 136.927
Finished 40/50 episodes. Average episode reward: 136.794
Finished 50/50 episodes. Average episode reward: 141.582
The average return after running PPO agent for 50 episodes in MetaDrive-Tut-
Hard-v0 environment: 141.58228479157083.
Result is saved at: MetaDrive-Tut-Hard-v0/ppo/eval_results.csv
c:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-Easy-v0 already in registry.
  logger.warn(f"Overriding environment {new_spec.id} already in registry.")
c:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-Hard-v0 already in registry.
  logger.warn(f"Overriding environment {new spec.id} already in registry.")
c:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-1Env-v0 already in registry.
  logger.warn(f"Overriding environment {new_spec.id} already in registry.")
c:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-5Env-v0 already in registry.
  logger.warn(f"Overriding environment {new_spec.id} already in registry.")
c:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-10Env-v0 already in registry.
  logger.warn(f"Overriding environment {new_spec.id} already in registry.")
c:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-20Env-v0 already in registry.
  logger.warn(f"Overriding environment {new_spec.id} already in registry.")
c:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
```

```
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-50Env-v0 already in registry.
  logger.warn(f"Overriding environment {new_spec.id} already in registry.")
c:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-100Env-v0 already in registry.
  logger.warn(f"Overriding environment {new_spec.id} already in registry.")
c:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-Test-v0 already in registry.
  logger.warn(f"Overriding environment {new_spec.id} already in registry.")
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
c:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\core\ppo_train
er.py:202: FutureWarning: You are using `torch.load` with `weights_only=False`
(the current default value), which uses the default pickle module implicitly. It
is possible to construct malicious pickle data which will execute arbitrary code
during unpickling (See
https://github.com/pytorch/pytorch/blob/main/SECURITY.md#untrusted-models for
more details). In a future release, the default value for `weights only` will be
flipped to `True`. This limits the functions that could be executed during
unpickling. Arbitrary objects will no longer be allowed to be loaded via this
mode unless they are explicitly allowlisted by the user via
`torch.serialization.add_safe_globals`. We recommend you start setting
`weights_only=True` for any use case where you don't have full control of the
loaded file. Please open an issue on GitHub for any issues related to this
experimental feature.
  state_dict = torch.load(save_path, torch.device('cpu') if not
torch.cuda.is available() else None)
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane line detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
```

```
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Assets version: 0.4.3
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Assets version: 0.4.3
[INFO] Assets version: 0.4.3
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Environment: MetaDriveEnv
```

```
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Assets version: 0.4.3
[INFO] Start Scenario Index: 1000, Num Scenarios : 20
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
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[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1010 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1007 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out of road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1012 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1000 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1014 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1001 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
[INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
[INFO] Episode ended! Scenario Index: 1018 Reason: out_of_road.
```

```
[INFO] Episode ended! Scenario Index: 1011 Reason: crash vehicle
    [INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
    [INFO] Episode ended! Scenario Index: 1009 Reason: out_of_road.
    [INFO] Episode ended! Scenario Index: 1011 Reason: out of road.
    [INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
    [INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
    [INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
    [INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
    [INFO] Episode ended! Scenario Index: 1009 Reason: crash vehicle
    [INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
    [INFO] Episode ended! Scenario Index: 1006 Reason: crash vehicle
    [INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
    [INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
    [INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
    [INFO] Episode ended! Scenario Index: 1013 Reason: out_of_road.
    [INFO] Episode ended! Scenario Index: 1016 Reason: out_of_road.
    [INFO] Episode ended! Scenario Index: 1003 Reason: crash vehicle
    [INFO] Episode ended! Scenario Index: 1012 Reason: out_of_road.
    [INFO] Episode ended! Scenario Index: 1005 Reason: crash vehicle
    [INFO] Episode ended! Scenario Index: 1004 Reason: out of road.
    [INFO] Episode ended! Scenario Index: 1002 Reason: out of road.
    [INFO] Episode ended! Scenario Index: 1002 Reason: out_of_road.
    [INFO] Episode ended! Scenario Index: 1008 Reason: crash vehicle
    [INFO] Episode ended! Scenario Index: 1017 Reason: out_of_road.
    [INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
    [INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
    [INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
    [INFO] Episode ended! Scenario Index: 1013 Reason: crash vehicle
    [INFO] Episode ended! Scenario Index: 1004 Reason: crash vehicle
    [INFO] Episode ended! Scenario Index: 1015 Reason: crash vehicle
    [INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
    [INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle
    [INFO] Episode ended! Scenario Index: 1019 Reason: out_of_road.
    [INFO] Episode ended! Scenario Index: 1002 Reason: out of road.
    [INFO] Episode ended! Scenario Index: 1002 Reason: crash vehicle
[2]: import pandas as pd
     import matplotlib.pyplot as plt
     import seaborn as sns
     ppo_eval = pd.read_csv("MetaDrive-Tut-Hard-v0/ppo/eval_results.csv")
     print("PPO agent average reward: {}".format(ppo_eval.rewards.mean()))
```

[INFO] Episode ended! Scenario Index: 1011 Reason: out_of_road.

PPO agent average reward: 141.58228479157083

1.4.4 Demo 3.4: Visualize the performance of PPO in MetaDrive Hard Env.

You might have different maps in your visualization, that's expected.

```
[2]: # Load the agent using PolicyAPI (easy to use interface to get policy)
     from core.envs import make envs
     import gymnasium as gym
     from vis import PPOPolicy, evaluate, animate
     import pygame
     env_name = "MetaDrive-Tut-Hard-v0"
     policy = PPOPolicy(
         env_name, # In order to get the observation shape
         num_envs=1,
         log_dir="MetaDrive-Tut-Hard-v0/ppo/",
         suffix="final"
     )
     # Render the learned behavior
     # NOTE: The learned agent is marked by green color.
     eval_reward, eval_info = evaluate(
         policy=policy,
         num_episodes=1,
         env_name=env_name,
         render="topdown", # Visualize the behaviors in top-down view
         verbose=True
     )
     animate(eval_info["frames"])
     print("PPO agent achieves {} return in MetaDrive Hard environment.".
      →format(eval_reward))
    C:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
    packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
    environment MetaDrive-Tut-Easy-v0 already in registry.
      logger.warn(f"Overriding environment {new_spec.id} already in registry.")
    C:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
    packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
    environment MetaDrive-Tut-Hard-v0 already in registry.
      logger.warn(f"Overriding environment {new_spec.id} already in registry.")
    C:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
    packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
    environment MetaDrive-Tut-1Env-v0 already in registry.
      logger.warn(f"Overriding environment {new_spec.id} already in registry.")
```

```
C:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-5Env-v0 already in registry.
  logger.warn(f"Overriding environment {new spec.id} already in registry.")
C:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-10Env-v0 already in registry.
  logger.warn(f"Overriding environment {new_spec.id} already in registry.")
C:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-20Env-v0 already in registry.
  logger.warn(f"Overriding environment {new_spec.id} already in registry.")
C:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-50Env-v0 already in registry.
  logger.warn(f"Overriding environment {new_spec.id} already in registry.")
C:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-100Env-v0 already in registry.
  logger.warn(f"Overriding environment {new_spec.id} already in registry.")
C:\Users\Admin\AppData\Local\Programs\Python\Python39\lib\site-
packages\gymnasium\envs\registration.py:693: UserWarning: WARN: Overriding
environment MetaDrive-Tut-Test-v0 already in registry.
  logger.warn(f"Overriding environment {new_spec.id} already in registry.")
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Environment: MetaDriveEnv
[INFO] MetaDrive version: 0.4.3
[INFO] Sensors: [lidar: Lidar(), side_detector: SideDetector(),
lane_line_detector: LaneLineDetector()]
[INFO] Render Mode: none
[INFO] Horizon (Max steps per agent): 1000
[INFO] Assets version: 0.4.3
[INFO] Known Pipes: wglGraphicsPipe
[INFO] Start Scenario Index: 1000, Num Scenarios: 20
Successfully registered MetaDrive environments: ['MetaDrive-Tut-Easy-v0',
'MetaDrive-Tut-Hard-v0', 'MetaDrive-Tut-1Env-v0', 'MetaDrive-Tut-5Env-v0',
'MetaDrive-Tut-10Env-v0', 'MetaDrive-Tut-20Env-v0', 'MetaDrive-Tut-50Env-v0',
'MetaDrive-Tut-100Env-v0', 'MetaDrive-Tut-Test-v0']
Successfully load weights from
```

C:\Users\Admin\Documents\cs260r-assignment-2025winter\assignment3\MetaDrive-Tut-Hard-v0\ppo\checkpoint-final.pkl!

Evaluating 1/1 episodes. We are in 1/1000 steps. Current episode reward: 0.007 Evaluating 1/1 episodes. We are in 51/1000 steps. Current episode reward: 30.541 Evaluating 1/1 episodes. We are in 101/1000 steps. Current episode reward: 101.309

Evaluating 1/1 episodes. We are in 151/1000 steps. Current episode reward: 197.365

[INFO] Episode ended! Scenario Index: 1018 Reason: crash vehicle

<IPython.core.display.HTML object>

PPO agent achieves 285.5014400746799 return in MetaDrive Hard environment.

