Warehouse Robot Path Optimization Using Reinforcement Learning

Team members :

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GitHub Link: https://github.com/CSCN8040-Water-Wastage-in-Urban-Areas/CSCN8020-RL-Warehouse-Robot-Optimization

Azure Link: https://dev.azure.com/Rkarunanithi3408/CSCN8020-RL-Warehouse%20Robot%20Optimization

Abstract

• As the need for automation in warehouse logistics grows, autonomous mobile robots (AMRs) are being used more and more to improve item handling, lower human error, and boost productivity. Robot path planning techniques like A* and Dijkstra's algorithm are not flexible enough for dynamic situations where layouts or objectives change often. This study explores how warehouse robots might acquire the best navigational methods in grid-based settings by using Reinforcement Learning (RL) techniques, namely Q-Learning and Deep Q-Networks (DQN). In a simulated Robotic Warehouse Environment (RWARE), the emphasis is on energy-efficient trajectories, shorter trip times, and collision-free navigation. Our suggested strategy shows how RL agents may scale effectively with little user intervention and generalize to unseen warehouse layouts through methodical training and evaluation. According to experimental results, the DQN model uses deep neural networks' function approximation skills to outperform Q-Learning in dynamic situations.

Introduction

- The need for automation in storage and logistics has increased as of April 2025. Autonomous robots are used by businesses to handle transportation and storage in expansive warehouse settings. For activities like choosing and arranging objects to be completed without collisions or needless energy use, these robots must plan the best routes.
- The goal of this research is to create a reinforcement learning (RL) agent that can employ Deep Q-Networks (DQN) to optimize warehouse robot mobility. In order to replicate intelligent path planning utilized in actual smart warehouses, such as those run by Amazon or Alibaba, the agent will be trained to move across a warehouse grid, avoid obstacles, and get to target areas quickly.

Problem statement

• We are working in a dynamic setting to solve a sequential decision-making job. To go from a starting point to a destination in a grid-based warehouse setting, the robot (agent) needs to learn the best course of action. The environment consists of possibly dynamic components (like other robots) as well as static impediments (like shelves).

The following are the main obstacles:

- · Complex and dynamic settings
- Trade-off between collision avoidance and the quickest path
- Generalizing to unknown warehouse layouts

Goal of the Project

The development and assessment of a reinforcement learning-based system for autonomous warehouse robot navigation is the main objective of this research project. In particular, the goals consist of:

- Employing Deep Q-Network (DQN) and Q-Learning techniques to develop agents that can navigate grid-based warehouse settings.
- · Ensuring that skilled agents are able to function in dynamic environments, avoid barriers, and accomplish goals quickly.
- Evaluating DQN's performance against that of conventional Q-Learning in terms of accuracy, scalability, speed, and flexibility.
- Utilizing OpenAl Gym to simulate a realistic warehouse layout and assessing the models' resilience in both single-agent and multiagent scenarios.
- Showcasing RL's potential as a sophisticated and affordable substitute for conventional navigation systems in warehouse automation.

Application Overview

Using Reinforcement Learning (RL) approaches to optimize warehouse robot path planning is the main application of this research. By

allowing robots to navigate complicated situations with little assistance from humans, the solution seeks to improve the intelligence, efficiency, and adaptability of warehouse automation systems.

· System Functionality

The application's main function is to replicate a warehouse setting in which an autonomous mobile robot (AMR) is being trained to perform pickup and delivery duties. Each cell in the gridworld model of the warehouse represents a target destination, an impediment, or a navigable area. In addition to choosing actions (moving up, down, left, and right) and receiving incentives based on its movement (positive for striking obstacles or taking extra steps, and negative for reaching the destination), the agent is given state information, which includes its present location and surroundings.

Through trial-and-error contact with the environment, the robot can gradually develop an effective path selection policy using the reinforcement learning models Q-Learning and DQN.

· Features of the Application

Autonomous Navigation: The robot moves across a grid warehouse simulation without following any preset routes. Obstacle Avoidance: The robot gains the ability to steer clear of both static and dynamic environmental hazards. Goal Achievement: The agent is taught to save time and effort by getting to target places quickly. Adaptability: The model exhibits good generalization to novel layouts and situations that are not encountered during training. Multi-agent Support: Extension to multi-agent scenarios, in which several robots communicate and avoid collisions, is possible thanks to the system design. Reward-driven Learning: Rewards and punishments encourage the agent to investigate the most effective tactics.

• Real-World Relevance

The created system imitates the actions of robots found in actual warehouses run by businesses such as Walmart Logistics, Alibaba Cainiao, and Amazon Robotics. These robots have to maneuver through constantly shifting environments, adjust to new configurations, and stay clear of collisions with other equipment or human workers.

Using Reinforcement Learning in such scenarios offers several real-world advantages:

Decreased dependence on path scripting or manual coding Enhanced flexibility in responding to changes in warehouse arrangements Delivery and item handling times that are quicker Scalability for massive fleets of robots

• Simulation Environment:

A warehouse grid (e.g., 5x5 or 10x10). Each cell may contain:

- Free space
- Obstacles (walls, shelves)
- Starting position
- Goal position (e.g., delivery point)
- 1. Agent

The warehouse robot. It interacts with the environment:

- · Receives observations (position, surroundings)
- · Takes actions (move up, down, left, right)
- Receives rewards and learns to improve over time
- 2. State

What the robot sees. Simplest form:

- (x, y) coordinates of the robot
- Goal location
- Optional: obstacle map
- 3. Actions
- Move Up
- Move Down
- Move Left
- Move Right
- Stay (optional)

Phase 1: Environment Setup

Step 1: Install Required Packages

Make sure you have Python installed.

```
In [1]: !pip install numpy matplotlib torch gymnasium rware
```

Requirement already satisfied: numpy in /Users/keerthigonuguntla/.pyenv/versions/3.12.1/lib/python3.12/site-pack ages (1.26.4)

Requirement already satisfied: matplotlib in /Users/keerthigonuguntla/.pyenv/versions/3.12.1/lib/python3.12/site -packages (3.10.1)

Requirement already satisfied: torch in /Users/keerthigonuguntla/.pyenv/versions/3.12.1/lib/python3.12/site-pack ages (2.6.0)

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Requirement already satisfied: rware in /Users/keerthigonuguntla/Library/Containers/net.whatsapp.WhatsApp/Data/tmp/documents/BC85D311-64B3-482F-8283-0AFE09C05CAD/robotic-warehouse (2.0.0)

Requirement already satisfied: contourpy>=1.0.1 in /Users/keerthigonuguntla/.pyenv/versions/3.12.1/lib/python3.1 2/site-packages (from matplotlib) (1.3.1)

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Requirement already satisfied: pillow>=8 in /Users/keerthigonuguntla/.pyenv/versions/3.12.1/lib/python3.12/site-

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Requirement already satisfied: filelock in /Users/keerthigonuguntla/.pyenv/versions/3.12.1/lib/python3.12/site-p ackages (from torch) (3.18.0)

Requirement already satisfied: typing-extensions>=4.10.0 in /Users/keerthigonuguntla/.pyenv/versions/3.12.1/lib/python3.12/site-packages (from torch) (4.12.2)

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Requirement already satisfied: setuptools in /Users/keerthigonuguntla/.pyenv/versions/3.12.1/lib/python3.12/site -packages (from torch) (77.0.3)

Requirement already satisfied: sympy==1.13.1 in /Users/keerthigonuguntla/.pyenv/versions/3.12.1/lib/python3.12/s ite-packages (from torch) (1.13.1)

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Requirement already satisfied: cloudpickle>=1.2.0 in /Users/keerthigonuguntla/.pyenv/versions/3.12.1/lib/python3 .12/site-packages (from gymnasium) (3.1.1)

Requirement already satisfied: farama-notifications>=0.0.1 in /Users/keerthigonuguntla/.pyenv/versions/3.12.1/li b/python3.12/site-packages (from gymnasium) (0.0.4)

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Requirement already satisfied: six>=1.5 in /Users/keerthigonuguntla/.pyenv/versions/3.12.1/lib/python3.12/site-p ackages (from python-dateutil>=2.7->matplotlib) (1.17.0)

Requirement already satisfied: MarkupSafe>=2.0 in /Users/keerthigonuguntla/.pyenv/versions/3.12.1/lib/python3.12 /site-packages (from jinja2->torch) (3.0.2)

In [8]: !pip install --upgrade pip

Requirement already satisfied: pip in /Users/keerthigonuguntla/.pyenv/versions/3.12.1/lib/python3.12/site-packag es (25.0.1)

In [2]: !pip install gym

!pip install torch torchvision

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Requirement already satisfied: gym in /Users/keerthigonuguntla/.pyenv/versions/3.12.1/lib/python3.12/site-packag
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/site-packages (from jinja2->torch) (3.0.2)
```

In [3]: !pip install pytest

Requirement already satisfied: pytest in /Users/keerthigonuguntla/.pyenv/versions/3.12.1/lib/python3.12/site-pac kages (8.3.5)
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packages (from pytest) (24.2)

Requirement already satisfied: pluggy<2,>=1.5 in /Users/keerthigonuguntla/.pyenv/versions/3.12.1/lib/python3.12/

Step 2: Clone the RWARE Repository

site-packages (from pytest) (1.5.0)

In [4]: !git clone https://github.com/semitable/robotic-warehouse.git

```
Cloning into 'robotic-warehouse'...
remote: Enumerating objects: 879, done.
remote: Counting objects: 100% (331/331), done.
remote: Compressing objects: 100% (55/55), done.
remote: Total 879 (delta 298), reused 276 (delta 276), pack-reused 548 (from 2)
Receiving objects: 100% (879/879), 2.49 MiB | 14.19 MiB/s, done.
Resolving deltas: 100% (510/510), done.
```

Step 3: Install the RWARE Package in Editable Mode

In [5]: %cd robotic-warehouse
!pip install -e .

```
/Users/keerthigonuguntla/Documents/AI & ML - SEM 2/Reinforcement Learning/project/robotic-warehouse
Obtaining file:///Users/keerthigonuguntla/Documents/AI%20%26%20ML%20-%20SEM%202/Reinforcement%20Learning/project
/robotic-warehouse
 Preparing metadata (setup.py) ... done
Requirement already satisfied: numpy in /Users/keerthigonuguntla/.pyenv/versions/3.12.1/lib/python3.12/site-pack
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Requirement already satisfied: typing-extensions>=4.3.0 in /Users/keerthigonuguntla/.pyenv/versions/3.12.1/lib/p
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Requirement already satisfied: farama-notifications>=0.0.1 in /Users/keerthigonuguntla/.pyenv/versions/3.12.1/li
b/python3.12/site-packages (from gymnasium->rware==2.0.0) (0.0.4)
Installing collected packages: rware
  Attempting uninstall: rware
    Found existing installation: rware 2.0.0
   Uninstalling rware-2.0.0:
      Successfully uninstalled rware-2.0.0
 DEPRECATION: Legacy editable install of rware==2.0.0 from file:///Users/keerthigonuguntla/Documents/AI%20%26%2
OML%20-%20SEM%202/Reinforcement%20Learning/project/robotic-warehouse (setup.py develop) is deprecated. pip 25.1
will enforce this behaviour change. A possible replacement is to add a pyproject.toml or enable --use-pep517, an
d use setuptools >= 64. If the resulting installation is not behaving as expected, try using --config-settings e
ditable_mode=compat. Please consult the setuptools documentation for more information. Discussion can be found a
t https://github.com/pypa/pip/issues/11457
  Running setup.py develop for rware
Successfully installed rware-2.0.0
```

Step 4: Test RWARE Installation

Check if the environments are registered correctly:

we will utilize Gymnasium (the revised OpenAl Gym) as the RL environment interface, RWARE for the particular warehouse environment, PyTorch for the DQN, Matplotlib for charting results, and NumPy for numerical operations (such as the Q-table).

This installs the environment in editable mode so you can modify its internals.

```
import gymnasium as gym

# List available rware environments
for env_id in gym.envs.registry.keys():
    if "rware" in env_id:
        print(env_id)
```

Step 5: Visualize a RWARE Environment

```
In [7]: import gymnasium as gym
        import rware
        import time
        import warnings
        # Suppress gymnasium warnings
        warnings.filterwarnings("ignore", category=UserWarning)
        # Create environment
        env = gym.make("rware-tiny-2ag-v2", render_mode="human")
        obs, _ = env.reset()
        _ = env.render()
        steps = 0
        MAX STEPS = 10
        while steps < MAX STEPS:</pre>
            actions = [space.sample() for space in env.action_space]
            obs, rewards, terminated, truncated, info = env.step(actions)
            reward = rewards[0] if isinstance(rewards, list) else rewards # Fix reward type
              = env.render() # Render cleanly
            time.sleep(0.5)
            if terminated or truncated:
                obs, _ = env.reset() # Restart the episode if done
            steps += 1
        input("

Simulation complete! Press ENTER to close.")
```

Out[7]: "

Note: Once you have run this environment in order to move to the next step Press Enter in the pop-up which shows up After few minutes running environment

Orange Hexagons (with arrow)

- Meaning: These are the robots (agents).
- · Arrow inside: Indicates the direction the agent is facing.
- The agent can move forward, turn, or pick up/drop shelves.

Blue Squares

- Meaning: These are shelves in the warehouse.
- Shelves are static unless picked up by an agent.

Teal (Cyan-Greenish) Shelves

- Meaning: These are requested shelves (active delivery tasks).
- Agents are expected to pick up these shelves and deliver them to the goal (G) locations.
- Black Squares with G
 - Meaning: These are the goal locations.
 - Agents need to drop the requested shelves here to complete delivery tasks and earn rewards.

□ White Squares

• Meaning: These are free/empty tiles where agents can move.

Q-Learning Explanation

What is Q-Learning?

Reinforcement without a model is Q-Learning. The best course of action for an agent interacting with its surroundings is determined by a learning algorithm. Maximizing the cumulative benefit over time is the aim.

Basic Idea:

An agent learns to make decisions by:

- Exploring the environment
- Taking actions
- Receiving rewards
- Updating its Q-values (quality values) to reflect the expected utility of taking a certain action in a given state

Q-Learning Formula (Bellman Equation):

$$Q(s, a) = Q(s, a) + \alpha [r + \gamma \cdot maxa' Q(s', a') - Q(s, a)]$$

Where:

Symbol	Meaning	
s	Current state	
а	Current action	
r	Reward received after taking action a in state s	
s'	Next state	
a'	Next possible actions	
α	Learning rate (how much to update Q)	
γ	Discount factor (importance of future rewards)	
Q(s, a)	Q-value: expected future reward for taking action a in state s	

How It Works (Step-by-Step):

- 1. Initialize Q-table (state × action values) to zero
- 2. Repeat for each episode:
- Start from the initial state s
- Repeat until goal or terminal state:

- Choose an action a using ε-greedy strategy (exploration vs exploitation)
- ullet Perform the action o observe reward r and new state s'
- Update the Q-value using the formula above
- Set s ← s'
- 3. Continue training over multiple episodes to converge toward optimal policy.

Goal:

The agent learns the optimal policy, which is the best action to take in each state to maximize total reward over time.

```
\pi^* (s) = argmax<sub>a</sub> Q(s, a)
```

Key Features of Q-Learning:

Feature	Description
Model-free	Doesn't need to know environment dynamics (no transition probabilities)
Off-policy	Learns the best policy regardless of how the agent is currently behaving
Simple & Effective	Great for small and discrete state spaces

Limitations:

- Doesn't scale well to large or continuous state spaces
- · Needs a big Q-table for big environments

That's why we use Deep Q-Learning (DQN), which uses a neural network instead of a table to estimate Q-values.

Phase 2: Q-learning Implementation for Warehouse

Goal

Train a robot (agent) to navigate the warehouse, pick up requested shelves, and deliver them to goal locations using Q-learning.

Step 1: Q-Learning Setup Overview

Environment Assumptions:

- We'll use rware-tiny-2ag-v2 (Tiny map, 2 agents).
- Focus on a single agent for simplicity.
- Use a discretized state and action space.

Q-Learning Components:

Component	Details
State space	Discrete representation of the environment (position, direction)
Action space	env.action_space[0] for agent 0 (usually 5 actions)
Q-table	Q[state][action] values
Policy	ε-greedy
Learning loop	Agent selects \rightarrow acts \rightarrow updates Q

Step 2: Implementation (Q-Learning Core)

```
In [8]: import numpy as np
        import random
        import matplotlib.pyplot as plt
        from collections import defaultdict
        # Step 1: Define environment with reward shaping
        class MoveToGoalEnv:
            def __init _(self, grid size=(10, 10), goal=(9, 9), obstacles=None):
                self.grid_size = grid_size
                self.goal = goal
                self.start = (0, 0)
                self.position = self.start
                self.actions = ['up', 'down', 'left', 'right']
                self.obstacles = obstacles if obstacles else []
            def reset(self):
                self.position = self.start
                return self.position
```

```
def manhattan(self, p1, p2):
    return abs(p1[0] - p2[0]) + abs(p1[1] - p2[1])
def step(self, action):
   x, y = self.position
   old_distance = self.manhattan(self.position, self.goal)
   if action == 'up':
        x -= 1
    elif action == 'down':
        x += 1
   elif action == 'left':
       y -= 1
    elif action == 'right':
        y += 1
   new pos = (x, y)
    # Check boundaries
   if not (0 <= x < self.grid_size[0] and 0 <= y < self.grid_size[1]):</pre>
        return self.position, -10, True # Invalid move
   # Check obstacle
    if new pos in self.obstacles:
        return self.position, -10, True # Collision
    # Check if goal reached
   if new pos == self.goal:
        self.position = new_pos
        return self.position, +10, True
   # Update position and apply shaping
   self.position = new_pos
   new distance = self.manhattan(self.position, self.goal)
   reward = -1
   if new_distance < old_distance:</pre>
        reward += 0.5 # reward for moving closer
    return self.position, reward, False
```

Step 3: Define Obstacles and Initialize Environment

```
In [9]: # Step 2: Initialize Environment
env = MoveToGoalEnv(
    grid_size=(10, 10),
    goal=(9, 9),
    obstacles=[(2, 2), (3, 3), (4, 4), (5, 5)]
)
```

Step 4: Q-Learning Training Loop

```
In [10]: Q = defaultdict(lambda: np.zeros(len(env.actions)))
         alpha = 0.1
         gamma = 0.9
         epsilon = 1.0
         min_epsilon = 0.1
         epsilon decay = 0.995
         episodes = 5000
         total_rewards = []
         # Step 3: Training Loop
         for episode in range(episodes):
             state = env.reset()
             total_reward = 0
             done = False
             while not done:
                 if random.random() < epsilon:</pre>
                     action_idx = random.randint(0, len(env.actions) - 1)
                 else:
                     action_idx = np.argmax(Q[state])
                 next_state, reward, done = env.step(env.actions[action_idx])
                 total_reward += reward
                 Q[state][action idx] += alpha * (
                     reward + gamma * np.max(Q[next_state]) - Q[state][action_idx]
                 state = next_state
```

```
epsilon = max(min epsilon, epsilon * epsilon decay)
     total rewards.append(total reward)
     print(f"Episode {episode + 1} | Total Reward: {total reward:.2f} | Epsilon: {epsilon:.3f}")
Episode 1 | Total Reward: -11.50 | Epsilon: 0.995
Episode 2 | Total Reward: -10.00 | Epsilon: 0.990
Episode 3 | Total Reward: -10.00 | Epsilon: 0.985
Episode 4 | Total Reward: -12.00 | Epsilon: 0.980
Episode 5 | Total Reward: -11.00 | Epsilon: 0.975
Episode 6 | Total Reward: -13.00 | Epsilon: 0.970
Episode 7 | Total Reward: -10.00 | Epsilon: 0.966
Episode 8 | Total Reward: -10.00 | Epsilon: 0.961
Episode 9 | Total Reward: -11.50 | Epsilon: 0.956
Episode 10 | Total Reward: -10.00 | Epsilon: 0.951
Episode 11 | Total Reward: -10.00 | Epsilon: 0.946
Episode 12 | Total Reward: -10.50 | Epsilon: 0.942
Episode 13 | Total Reward: -10.00 | Epsilon: 0.937
Episode 14 | Total Reward: -12.00 | Epsilon: 0.932
Episode 15 | Total Reward: -11.50 | Epsilon: 0.928
Episode 16 | Total Reward: -10.00 | Epsilon: 0.923
Episode 17 | Total Reward: -10.00 | Epsilon: 0.918
Episode 18 | Total Reward: -10.00 | Epsilon: 0.914
Episode 19 | Total Reward: -12.00 | Epsilon: 0.909
Episode 20 | Total Reward: -10.50 | Epsilon: 0.905
Episode 21 | Total Reward: -10.00 | Epsilon: 0.900
Episode 22 | Total Reward: -11.50 | Epsilon: 0.896
Episode 23 | Total Reward: -10.00 | Epsilon: 0.891
Episode 24 | Total Reward: -14.50 | Epsilon: 0.887
Episode 25 | Total Reward: -11.00 | Epsilon: 0.882
Episode 26 | Total Reward: -13.50 | Epsilon: 0.878
Episode 27 | Total Reward: -10.00 | Epsilon: 0.873
Episode 28 | Total Reward: -10.50 | Epsilon: 0.869
Episode 29 | Total Reward: -12.00 | Epsilon: 0.865
Episode 30 | Total Reward: -16.50 | Epsilon: 0.860
Episode 31 | Total Reward: -10.00 | Epsilon: 0.856
Episode 32 | Total Reward: -10.00 | Epsilon: 0.852
Episode 33 | Total Reward: -10.00 | Epsilon: 0.848
Episode 34 | Total Reward: -11.00 | Epsilon: 0.843
Episode 35 | Total Reward: -10.50 | Epsilon: 0.839
Episode 36 | Total Reward: -14.50 | Epsilon: 0.835
Episode 37 | Total Reward: -26.00 | Epsilon: 0.831
Episode 38 | Total Reward: -17.00 | Epsilon: 0.827
Episode 39 | Total Reward: -10.00 | Epsilon: 0.822
Episode 40 | Total Reward: -10.00 | Epsilon: 0.818
Episode 41 | Total Reward: -10.00 | Epsilon: 0.814
Episode 42 | Total Reward: -10.00 | Epsilon: 0.810
Episode 43 | Total Reward: -15.00 | Epsilon: 0.806
Episode 44 | Total Reward: -10.00 | Epsilon: 0.802
Episode 45 | Total Reward: -22.00 | Epsilon: 0.798
Episode 46 | Total Reward: -10.00 | Epsilon: 0.794
Episode 47 | Total Reward: -11.50 | Epsilon: 0.790
Episode 48 | Total Reward: -12.50 | Epsilon: 0.786
Episode 49 | Total Reward: -10.00 | Epsilon: 0.782
Episode 50 | Total Reward: -12.00 | Epsilon: 0.778
Episode 51 | Total Reward: -12.00 | Epsilon: 0.774
Episode 52 | Total Reward: -10.00 | Epsilon: 0.771
Episode 53 | Total Reward: -10.00 | Epsilon: 0.767
Episode 54 | Total Reward: -20.00 | Epsilon: 0.763
Episode 55 | Total Reward: -10.00 | Epsilon: 0.759
Episode 56 | Total Reward: -13.00 | Epsilon: 0.755
Episode 57 | Total Reward: -14.00 | Epsilon: 0.751
Episode 58 | Total Reward: -13.00 | Epsilon: 0.748
Episode 59 | Total Reward: -21.50 | Epsilon: 0.744
Episode 60 | Total Reward: -12.50 | Epsilon: 0.740
Episode 61 | Total Reward: -10.50 | Epsilon: 0.737
Episode 62 | Total Reward: -23.50 | Epsilon: 0.733
Episode 63 | Total Reward: -13.50 | Epsilon: 0.729
Episode 64 | Total Reward: -17.50 | Epsilon: 0.726
Episode 65 | Total Reward: -14.50 | Epsilon: 0.722
Episode 66 | Total Reward: -24.50 | Epsilon: 0.718
Episode 67 | Total Reward: -10.00 | Epsilon: 0.715
Episode 68 | Total Reward: -11.50 | Epsilon: 0.711
Episode 69 | Total Reward: -14.00 | Epsilon: 0.708
Episode 70 | Total Reward: -11.00 | Epsilon: 0.704
Episode 71 | Total Reward: -10.50 | Epsilon: 0.701
Episode 72 | Total Reward: -10.50 | Epsilon: 0.697
Episode 73 | Total Reward: -14.50 | Epsilon: 0.694
Episode 74 | Total Reward: -10.00 | Epsilon: 0.690
Episode 75 | Total Reward: -14.50 | Epsilon: 0.687
Episode 76 | Total Reward: -14.00 | Epsilon: 0.683
```

Episode 77 | Total Reward: -12.50 | Epsilon: 0.680 Episode 78 | Total Reward: -10.00 | Epsilon: 0.676

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Episode 79 | Total Reward: -13.50 | Epsilon: 0.673
Episode 80 | Total Reward: -10.50 | Epsilon: 0.670
Episode 81 | Total Reward: -18.00
                                    Epsilon: 0.666
Episode 82 | Total Reward: -10.00
                                   I Epsilon: 0.663
Episode 83 | Total Reward: -10.00 | Epsilon: 0.660
Episode 84 | Total Reward: -10.00
                                   | Epsilon: 0.656
Episode 85
             Total Reward: -13.00
                                    Epsilon: 0.653
Episode 86 | Total Reward: -10.00
                                   | Epsilon: 0.650
Episode 87 | Total Reward: -18.50 | Epsilon: 0.647
Episode 88 | Total Reward: -25.50 | Epsilon: 0.643
Episode 89
             Total Reward: -24.00
                                    Epsilon: 0.640
Episode 90 | Total Reward: -10.00
                                    Epsilon: 0.637
Episode 91 | Total Reward: -10.50
                                    Epsilon: 0.634
Episode 92 |
             Total Reward: -10.00
                                    Epsilon: 0.631
Fnisode 93
             Total Reward: -13.00
                                     Epsilon: 0.627
Episode 94 | Total Reward: -11.50
                                    Fosilon: 0.624
Episode 95 | Total Reward: -11.00
                                   | Epsilon: 0.621
Episode 96 | Total Reward: -18.50
                                    Epsilon: 0.618
Episode 97
             Total Reward: -19.50
                                     Epsilon: 0.615
Episode 98 | Total Reward: -11.00 |
                                    Epsilon: 0.612
Episode 99 | Total Reward: -12.50 | Epsilon: 0.609
Episode 100 | Total Reward: -11.50 | Epsilon: 0.606
              Total Reward: -23.00
Episode 101
                                     Epsilon: 0.603
              Total Reward: -15.50
Episode 102
                                     Epsilon: 0.600
              Total Reward: -12.50
                                   | Epsilon: 0.597
Episode 103
Episode 104
              Total Reward: -10.50 | Epsilon: 0.594
Episode 105
              Total Reward: -11.50
                                     Epsilon: 0.591
              Total Reward: -10.00
Episode 106
                                     Epsilon: 0.588
              Total Reward: -13.50
                                     Epsilon: 0.585
Episode 107
              Total Reward: -24.00 |
Episode 108
                                     Epsilon: 0.582
Episode 109
              Total Reward: -10.50
                                     Epsilon: 0.579
Frisode 110
              Total Reward: -10.00 | Epsilon: 0.576
Episode 111
              Total Reward: -10.50 | Epsilon: 0.573
              Total Reward: -12.00 | Epsilon: 0.570
Fnisode 112
Episode 113
              Total Reward: -10.00
                                     Epsilon: 0.568
              Total Reward: -11.50 | Epsilon: 0.565
Episode 114
Episode 115
              Total Reward: -10.50 |
                                     Epsilon: 0.562
              Total Reward: -10.00
                                     Epsilon: 0.559
Episode 116
Episode 117
              Total Reward: -11.50
                                     Epsilon: 0.556
Episode 118
              Total Reward: -40.50 |
                                     Epsilon: 0.554
Episode 119
              Total Reward: -12.50 |
                                     Epsilon: 0.551
Episode 120
              Total Reward: -10.00
                                    | Epsilon: 0.548
Episode 121
              Total Reward: -10.00
                                     Epsilon: 0.545
              Total Reward: -15.50
                                     Epsilon: 0.543
Fnisode 122
Episode 123
              Total Reward: -10.00
                                     Epsilon: 0.540
Episode 124
              Total Reward: -10.00
                                     Epsilon: 0.537
              Total Reward: -10.00
Episode 125
                                     Epsilon: 0.534
Episode 126
              Total Reward: -10.50 | Epsilon: 0.532
Episode 127
              Total Reward: -19.00 | Epsilon: 0.529
Episode 128
              Total Reward: -13.50
                                     Epsilon: 0.526
Episode 129
              Total Reward: -17.50
                                     Epsilon: 0.524
Episode 130
              Total Reward: -10.00
                                     Epsilon: 0.521
Episode 131
              Total Reward: -17.00
                                     Epsilon: 0.519
              Total Reward: -17.50
Total Reward: -29.00
Episode 132
                                     Epsilon: 0.516
Episode 133
                                     Epsilon: 0.513
Episode 134
              Total Reward: -11.50
                                     Epsilon: 0.511
Episode 135
              Total Reward: -10.00 |
                                     Epsilon: 0.508
Episode 136
              Total Reward: -24.50
                                     Epsilon: 0.506
Episode 137
              Total Reward: -49.50
                                     Epsilon: 0.503
Episode 138
              Total Reward: -30.50
                                     Epsilon: 0.501
              Total Reward: -14.00
Episode 139
                                     Epsilon: 0.498
              Total Reward: -14.50
Total Reward: -10.00
Episode 140
                                     Epsilon: 0.496
Fnisode 141
                                     Ensilon: 0.493
              Total Reward: -12.50
Fnisode 142
                                   | Epsilon: 0.491
Episode 143
              Total Reward: -16.50 |
                                     Epsilon: 0.488
Episode 144
              Total Reward: -27.00
                                     Epsilon: 0.486
              Total Reward: -49.00
                                     Epsilon: 0.483
Episode 145
Episode 146
              Total Reward: -13.00
                                     Epsilon: 0.481
Episode 147
              Total Reward: -10.00
                                     Epsilon: 0.479
              Total Reward: -15.00
Episode 148
                                      Epsilon: 0.476
Episode 149
              Total Reward: -14.50
                                     Epsilon: 0.474
              Total Reward: -34.00 | Epsilon: 0.471
Episode 150
Enisode 151
              Total Reward: -13.00 | Epsilon: 0.469
              Total Reward: -12.50
Episode 152
                                     Epsilon: 0.467
              Total Reward: -15.00
Episode 153
                                    I Epsilon: 0.464
Episode 154
              Total Reward: -10.00
                                   | Epsilon: 0.462
Episode 155
              Total Reward: -13.50 |
                                     Epsilon: 0.460
Episode 156
              Total Reward: -10.00
                                     Epsilon: 0.458
              Total Reward: -20.00 | Epsilon: 0.455
Fnisode 157
Episode 158 |
              Total Reward: -12.00 | Epsilon: 0.453
Episode 159
              Total Reward: -10.50 | Epsilon: 0.451
              Total Reward: -10.00
Episode 160
                                    I Epsilon: 0.448
Episode 161 | Total Reward: -10.00 | Epsilon: 0.446
```

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Episode 162 | Total Reward: -10.50 | Epsilon: 0.444
Episode 163
              Total Reward: -11.50 | Epsilon: 0.442
Episode 164
              Total Reward: -44.00
                                    | Epsilon: 0.440
Episode 165
              Total Reward: -11.00
                                    I Epsilon: 0.437
Episode 166
              Total Reward: -15.50 | Epsilon: 0.435
Episode 167
              Total Reward: -12.50
                                      Epsilon: 0.433
Episode 168
              Total Reward: -10.00
                                      Epsilon: 0.431
              Total Reward: -18.00
                                      Epsilon: 0.429
Episode 169
              Total Reward: -10.00 | Epsilon: 0.427
Episode 170
              Total Reward: -16.50 |
Episode 171
                                      Epsilon: 0.424
Episode 172
              Total Reward: -11.00
                                      Epsilon: 0.422
Episode 173
              Total Reward: -11.50
                                      Epsilon: 0.420
Episode 174
              Total Reward: -10.50
                                      Epsilon: 0.418
Episode 175
              Total Reward: -32.00
                                      Epsilon: 0.416
Episode 176
              Total Reward: -10.00
                                      Epsilon: 0.414
              Total Reward: -14.00
Episode 177
                                      Ensilon: 0.412
              Total Reward: -20.50
Episode 178
                                    | Epsilon: 0.410
              Total Reward: -16.00 |
Episode 179
                                      Epsilon: 0.408
Episode 180
              Total Reward: -18.50
                                      Epsilon: 0.406
              Total Reward: -25.00
                                      Epsilon: 0.404
Episode 181
Episode 182
              Total Reward: -13.00
                                      Epsilon: 0.402
Episode 183
              Total Reward: -42.00
                                      Epsilon: 0.400
                                      Epsilon: 0.398
              Total Reward: -10.00
Episode 184
Episode 185
              Total Reward: -11.00
                                      Epsilon: 0.396
              Total Reward: -12.50
                                      Epsilon: 0.394
Episode 186
                                      Epsilon: 0.392
Episode 187
              Total Reward: -16.00 |
Episode 188
              Total Reward: -10.00
                                      Epsilon: 0.390
              Total Reward: -10.00
Episode 189
                                      Epsilon: 0.388
              Total Reward: -26.00
                                      Epsilon: 0.386
Episode 190
Episode 191
              Total Reward: -17.50
                                      Epsilon: 0.384
Episode 192
              Total Reward: -10.50
                                      Epsilon: 0.382
Fnisode 193
              Total Reward: -10.50
                                      Fosilon: 0.380
Episode 194
              Total Reward: -25.00
                                      Epsilon: 0.378
              Total Reward: -17.00
Fnisode 195
                                    | Epsilon: 0.376
Episode 196
              Total Reward: -10.00
                                      Epsilon: 0.374
              Total Reward: -10.00
Episode 197
                                    | Epsilon: 0.373
Episode 198
              Total Reward: -14.00
                                      Epsilon: 0.371
              Total Reward: -22.00
Episode 199
                                      Epsilon: 0.369
Episode 200
              Total Reward: -10.50
                                      Epsilon: 0.367
Episode 201
              Total Reward: -22.00
                                      Epsilon: 0.365
Episode 202
              Total Reward: -14.00 |
                                      Epsilon: 0.363
Episode 203
              Total Reward: -13.00
                                      Epsilon: 0.361
Episode 204
              Total Reward: -10.00
                                      Epsilon: 0.360
Episode 205
              Total Reward: -12.50
                                      Epsilon: 0.358
Episode 206
              Total Reward: -10.00
                                      Epsilon: 0.356
Episode 207
              Total Reward: -19.00
                                      Epsilon: 0.354
              Total Reward: -11.00
Episode 208
                                      Epsilon: 0.353
Episode 209
              Total Reward: -34.00 | Epsilon: 0.351
Episode 210
              Total Reward: -10.00 | Epsilon: 0.349
Episode 211
              Total Reward: -23.00
                                      Epsilon: 0.347
              Total Reward: -26.00
Episode 212
                                      Epsilon: 0.346
Episode 213
              Total Reward: -49.00
                                      Epsilon: 0.344
Episode 214
              Total Reward: -49.50
                                      Epsilon: 0.342
              Total Reward: -11.00
Total Reward: -10.00
Episode 215
                                      Epsilon: 0.340
Episode 216
                                      Epsilon: 0.339
Episode 217
              Total Reward: -20.00 | Epsilon: 0.337
Episode 218
              Total Reward: -10.00 | Epsilon: 0.335
Episode 219
              Total Reward: -22.50
                                    | Epsilon: 0.334
Episode 220
              Total Reward: -10.00
                                      Epsilon: 0.332
Episode 221
              Total Reward: -10.50 | Epsilon: 0.330
Episode 222
              Total Reward: -13.00 |
                                      Epsilon: 0.329
              Total Reward: -15.50 | Epsilon: 0.327
Total Reward: -13.00 | Epsilon: 0.325
Episode 223
Fnisode 224
              Total Reward: -33.00 | Epsilon: 0.324
Episode 225
Episode 226
              Total Reward: -30.00 | Epsilon: 0.322
Episode 227
              Total Reward: -20.00 | Epsilon: 0.321
Episode 228
              Total Reward: -21.00 | Epsilon: 0.319
Episode 229
              Total Reward: -6.00 | Epsilon: 0.317
Episode 230
              Total Reward: -10.50 | Epsilon: 0.316
              Total Reward: -29.00 | Epsilon: 0.314
Episode 231
              Total Reward: -9.00 | Epsilon: 0.313
Episode 232
Episode 233
              Total Reward: -16.50 | Epsilon: 0.311
Fnisode 234
              Total Reward: -24.50 | Epsilon: 0.309
Episode 235
              Total Reward: -23.50 | Epsilon: 0.308
              Total Reward: -12.50 | Epsilon: 0.306
Episode 236
Episode 237
              Total Reward: -24.00 | Epsilon: 0.305
Episode 238
              Total Reward: -22.50 | Epsilon: 0.303
Episode 239
              Total Reward: -10.50 | Epsilon: 0.302
              Total Reward: -9.00 | Epsilon: 0.300
Frisode 240
Episode 241
              Total Reward: -11.50 | Epsilon: 0.299
              Total Reward: -9.00 | Epsilon: 0.297
Episode 242
              Total Reward: -11.00 | Epsilon: 0.296
Episode 243
Episode 244 | Total Reward: -16.00 | Epsilon: 0.294
```

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Episode 245 |
              Total Reward: -38.50 | Epsilon: 0.293
Episode 246
              Total Reward: -28.50 | Epsilon: 0.291
Fnisode 247
              Total Reward: -16.00 | Epsilon: 0.290
              Total Reward: -6.00 | Epsilon: 0.288
Frisode 248
Episode 249
              Total Reward: -34.00 | Epsilon: 0.287
Episode 250
              Total Reward: -11.00 | Epsilon: 0.286
              Total Reward: -35.50 | Epsilon: 0.284
Total Reward: -14.00 | Epsilon: 0.283
Episode 251
Episode 252
              Total Reward: -11.50 | Epsilon: 0.281
Episode 253
Episode 254
              Total Reward: -17.50 | Epsilon: 0.280
Episode 255
              Total Reward: -11.50
                                     | Epsilon: 0.279
Episode 256
              Total Reward: -17.00
                                      Epsilon: 0.277
Episode 257
              Total Reward: -10.00 | Epsilon: 0.276
Episode 258
              Total Reward: -11.50 |
                                       Epsilon: 0.274
Episode 259
              Total Reward: -11.50
                                       Epsilon: 0.273
              Total Reward: -23.00 |
Fnisode 260
                                      Fosilon: 0.272
              Total Reward: -16.00 | Epsilon: 0.270
Episode 261
              Total Reward: -13.50 | Epsilon: 0.269
Episode 262
Episode 263
              Total Reward: -22.50
                                     I Epsilon: 0.268
Episode 264
              Total Reward: -31.00 | Epsilon: 0.266
Episode 265
              Total Reward: -12.50 | Epsilon: 0.265
Episode 266
              Total Reward: -20.00 |
                                       Epsilon: 0.264
               Total Reward: -10.00
Episode 267
                                       Epsilon: 0.262
              Total Reward: -48.00 |
Episode 268
                                      Epsilon: 0.261
Episode 269
              Total Reward: -10.00 | Epsilon: 0.260
Episode 270
              Total Reward: -15.50 | Epsilon: 0.258
Episode 271
              Total Reward: -11.00
                                    | Epsilon: 0.257
              Total Reward: -11.50 | Epsilon: 0.256
Episode 272
Episode 273
              Total Reward: -27.50 | Epsilon: 0.255
Episode 274
              Total Reward: -7.50 | Epsilon: 0.253
Episode 275
              Total Reward: -3.00 | Epsilon: 0.252
Fnisode 276
              Total Reward: -11.00 | Epsilon: 0.251
Episode 277
              Total Reward: -25.50 | Epsilon: 0.249
Episode 278
              Total Reward: -12.50 | Epsilon: 0.248
Episode 279
              Total Reward: -29.00 | Epsilon: 0.247
              Total Reward: -27.00 | Epsilon: 0.246
Episode 280
Episode 281
              Total Reward: -15.00 | Epsilon: 0.245
Episode 282
              Total Reward: -15.00 | Epsilon: 0.243
Episode 283
              Total Reward: -21.00 | Epsilon: 0.242
Episode 284
              Total Reward: -31.00 | Epsilon: 0.241
Episode 285
              Total Reward: 0.00 | Epsilon: 0.240
Episode 286
              Total Reward: -9.00 | Epsilon: 0.238
Episode 287
              Total Reward: -11.50 | Epsilon: 0.237
Episode 288
              Total Reward: -10.50 | Epsilon: 0.236
Episode 289
              Total Reward: -25.50 | Epsilon: 0.235
              Total Reward: -16.50 | Epsilon: 0.234
Total Reward: -7.50 | Epsilon: 0.233
Episode 290
Episode 291
Episode 292
              Total Reward: -27.50 | Epsilon: 0.231
Episode 293
              Total Reward: -19.00 | Epsilon: 0.230
Episode 294
              Total Reward: -22.50 | Epsilon: 0.229
              Total Reward: -21.00 | Epsilon: 0.228
Episode 295
Episode 296
              Total Reward: -13.50 | Epsilon: 0.227
Episode 297
              Total Reward: -35.50 | Epsilon: 0.226
              Total Reward: -12.50 | Epsilon: 0.225
Total Reward: -3.00 | Epsilon: 0.223
Episode 298
Episode 299
              Total Reward: -3.00 | Epsilon: 0.222
Episode 300
Episode 301
              Total Reward: -1.50 | Epsilon: 0.221
              Total Reward: -12.00 | Epsilon: 0.220
Total Reward: -10.00 | Epsilon: 0.219
Episode 302
Episode 303
Episode 304
              Total Reward: -12.00 | Epsilon: 0.218
Episode 305
              Total Reward: -23.50 | Epsilon: 0.217
Episode 306
               Total Reward: -9.00 | Epsilon: 0.216
              Total Reward: -33.50 | Epsilon: 0.215
Episode 307
              Total Reward: -11.50 | Epsilon: 0.214
Fnisode 308
Episode 309
              Total Reward: -10.50 | Epsilon: 0.212
Episode 310
              Total Reward: -3.00 | Epsilon: 0.211
              Total Reward: -31.50 | Epsilon: 0.210
Episode 311
Episode 312
              Total Reward: -10.50 | Epsilon: 0.209
Episode 313
              Total Reward: -18.00 | Epsilon: 0.208
               Total Reward: -10.00
Episode 314
                                    | Epsilon: 0.207
              Total Reward: -10.00 | Epsilon: 0.206
Episode 315
              Total Reward: -10.50 | Epsilon: 0.205
Episode 316
Episode 317
              Total Reward: -7.50 | Epsilon: 0.204
              Total Reward: -12.00 | Epsilon: 0.203
Episode 318
              Total Reward: 0.00 | Epsilon: 0.202
Episode 319
Episode 320
              Total Reward: -10.00 | Epsilon: 0.201
              Total Reward: -13.50 | Epsilon: 0.200
Episode 321
Episode 322
              Total Reward: -12.50 | Epsilon: 0.199
              Total Reward: -10.50 | Epsilon: 0.198
Fnisode 323
Episode 324
              Total Reward: -19.50 | Epsilon: 0.197
              Total Reward: -23.50 | Epsilon: 0.196
Episode 325
              Total Reward: -30.00 | Epsilon: 0.195
Episode 327 | Total Reward: -10.50 | Epsilon: 0.194
```

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Episode 328 | Total Reward: -23.00 | Epsilon: 0.193
Episode 329
               Total Reward: -6.00 | Epsilon: 0.192
Episode 330
               Total Reward: -3.00 | Epsilon: 0.191
               Total Reward: -6.00 | Epsilon: 0.190
Episode 331
Episode 332
               Total Reward: -13.00 | Epsilon: 0.189
Episode 333
               Total Reward: -12.00 | Epsilon: 0.188
               Total Reward: -23.50 | Epsilon: 0.187
Total Reward: -10.00 | Epsilon: 0.187
Episode 334
Episode 335
               Total Reward: -18.00 | Epsilon: 0.186
Episode 336
Episode 337
               Total Reward: -10.00 | Epsilon: 0.185
               Total Reward: -19.00
Episode 338
                                     | Epsilon: 0.184
               Total Reward: -24.00 | Epsilon: 0.183
Episode 339
Episode 340
               Total Reward: -22.50 | Epsilon: 0.182
Episode 341
               Total Reward: -10.50 | Epsilon: 0.181
               Total Reward: -10.00
Episode 342
                                     | Epsilon: 0.180
               Total Reward: -28.50 | Epsilon: 0.179
Episode 343
               Total Reward: -18.00 | Epsilon: 0.178
Episode 344
               Total Reward: -10.50 | Epsilon: 0.177
Episode 345
Episode 346
               Total Reward: -10.50 | Epsilon: 0.177
Episode 347
               Total Reward: -13.50 | Epsilon: 0.176
               Total Reward: 0.00 | Epsilon: 0.175
Episode 348
Episode 349
               Total Reward: -33.00 | Epsilon: 0.174
Episode 350
               Total Reward: -11.00
                                     | Epsilon: 0.173
Episode 351
               Total Reward: -19.50 | Epsilon: 0.172
Episode 352
               Total Reward: -14.00 | Epsilon: 0.171
Episode 353
               Total Reward: -1.50 | Epsilon: 0.170
Episode 354
               Total Reward: -4.50 | Epsilon: 0.170
               Total Reward: -9.00 | Epsilon: 0.169
Episode 355
Episode 356
               Total Reward: -1.50 | Epsilon: 0.168
Episode 357
               Total Reward: -1.50 | Epsilon: 0.167
Episode 358
               Total Reward: -9.00 | Epsilon: 0.166
               Total Reward: -10.50 | Epsilon: 0.165
Fnisode 359
Episode 360
               Total Reward: -10.00 | Epsilon: 0.165
Episode 361
               Total Reward: -4.50 | Epsilon: 0.164
Episode 362
               Total Reward: -15.50 | Epsilon: 0.163
               Total Reward: -13.50 | Epsilon: 0.162
Episode 363
Episode 364
               Total Reward: -11.00 | Epsilon: 0.161
Episode 365
               Total Reward: -4.50 | Epsilon: 0.160
Episode 366
               Total Reward: -31.50 | Epsilon: 0.160
               Total Reward: -16.00 | Epsilon: 0.159
Episode 367
Episode 368
               Total Reward: -14.00 | Epsilon: 0.158
Episode 369
               Total Reward: -16.50 | Epsilon: 0.157
Episode 370
               Total Reward: -3.00 | Epsilon: 0.157
               Total Reward: -4.50 | Epsilon: 0.156
Episode 371
Episode 372
               Total Reward: -10.00 | Epsilon: 0.155
               Total Reward: -12.50 | Epsilon: 0.154
Total Reward: -16.50 | Epsilon: 0.153
Episode 373
Episode 374
Episode 375
               Total Reward: -27.50 | Epsilon: 0.153
Episode 376
               Total Reward: -3.00 | Epsilon: 0.152
Episode 377
               Total Reward: -28.00 | Epsilon: 0.151
               Total Reward: -25.50 | Epsilon: 0.150
Episode 378
Episode 379
               Total Reward: -27.50 | Epsilon: 0.150
Episode 380
               Total Reward: -6.00 | Epsilon: 0.149
               Total Reward: -16.00 | Epsilon: 0.148
Total Reward: -37.50 | Epsilon: 0.147
Episode 381
Episode 382
               Total Reward: -13.50 | Epsilon: 0.147
Episode 383
               Total Reward: 0.00 | Epsilon: 0.146
Episode 384
Episode 385
               Total Reward: -15.00 | Epsilon: 0.145
Episode 386
               Total Reward: -10.50 | Epsilon: 0.144
Episode 387
               Total Reward: -15.00 | Epsilon: 0.144
Episode 388
               Total Reward: -29.00 | Epsilon: 0.143
               Total Reward: -12.50 | Epsilon: 0.142
Total Reward: -19.00 | Epsilon: 0.142
Episode 389
Episode 390
               Total Reward: -15.00 | Epsilon: 0.141
Fnisode 391
Episode 392
               Total Reward: -3.00 | Epsilon: 0.140
               Total Reward: -17.00 | Epsilon: 0.139
Episode 393
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Episode 394
Episode 395
               Total Reward: -11.50 | Epsilon: 0.138
Episode 396
               Total Reward: -10.00 | Epsilon: 0.137
               Total Reward: -27.00 | Epsilon: 0.137
Episode 397
               Total Reward: -28.50 | Epsilon: 0.136
Episode 398
Episode 399
               Total Reward: -4.50 | Epsilon: 0.135
Episode 400
               Total Reward: -9.00 | Epsilon: 0.135
               Total Reward: -10.50 | Epsilon: 0.134
Episode 401
               Total Reward: -3.00 | Epsilon: 0.133
Episode 402
Episode 403
               Total Reward: -13.50 | Epsilon: 0.133
               Total Reward: 1.50 | Epsilon: 0.132
Episode 404
Episode 405
               Total Reward: 1.50 | Epsilon: 0.131
               Total Reward: -4.50 | Epsilon: 0.131
Fnisode 406
Episode 407
               Total Reward: -15.00 | Epsilon: 0.130
Episode 408
               Total Reward: -12.00 | Epsilon: 0.129
               Total Reward: -15.50 | Epsilon: 0.129
Episode 409
Episode 410 | Total Reward: -1.50 | Epsilon: 0.128
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Episode 411 | Total Reward: -10.00 | Epsilon: 0.127
Episode 412
              Total Reward: -7.50 | Epsilon: 0.127
Frisode 413
               Total Reward: -22.00 | Epsilon: 0.126
               Total Reward: -22.50 | Epsilon: 0.126
Episode 414
Episode 415
               Total Reward: -17.00 | Epsilon: 0.125
Episode 416
               Total Reward: 1.50 | Epsilon: 0.124
               Total Reward: -21.50 | Epsilon: 0.124
Total Reward: -7.50 | Epsilon: 0.123
Episode 417
Episode 418
               Total Reward: 0.00 | Epsilon: 0.122
Episode 419
Episode 420
               Total Reward: -14.50 | Epsilon: 0.122
               Total Reward: -10.00 | Epsilon: 0.121
Episode 421
               Total Reward: -24.50 | Epsilon: 0.121
Episode 422
Episode 423
               Total Reward: -7.50 | Epsilon: 0.120
Episode 424
               Total Reward: -13.50 | Epsilon: 0.119
Episode 425
               Total Reward: -6.00 | Epsilon: 0.119
               Total Reward: -10.50 | Epsilon: 0.118
Fnisode 426
               Total Reward: 0.00 | Epsilon: 0.118
Episode 427
               Total Reward: -18.50 | Epsilon: 0.117
Episode 428
Episode 429
               Total Reward: -23.00 | Epsilon: 0.116
Episode 430
               Total Reward: 1.50 | Epsilon: 0.116
               Total Reward: -26.50 | Epsilon: 0.115
Episode 431
Episode 432
               Total Reward: -12.00 | Epsilon: 0.115
Episode 433
               Total Reward: -13.00 | Epsilon: 0.114
               Total Reward: -13.50 | Epsilon: 0.114
Episode 434
Episode 435
               Total Reward: -12.00 | Epsilon: 0.113
Episode 436
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Episode 437
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Episode 438
Episode 439
               Total Reward: -13.00 | Epsilon: 0.111
Episode 440
               Total Reward: -10.50 | Epsilon: 0.110
Episode 441
               Total Reward: 0.00 | Epsilon: 0.110
Fnisode 442
               Total Reward: -10.00 | Epsilon: 0.109
Episode 443
               Total Reward: -13.50 | Epsilon: 0.109
Episode 444
               Total Reward: -16.50 | Epsilon: 0.108
Episode 445
               Total Reward: -10.00 | Epsilon: 0.107
Episode 446
               Total Reward: -4.50 | Epsilon: 0.107
Episode 447
               Total Reward: -1.50 | Epsilon: 0.106
Episode 448
               Total Reward: 1.50 | Epsilon: 0.106
Episode 449
               Total Reward: -10.50 | Epsilon: 0.105
Episode 450
               Total Reward: -6.00 | Epsilon: 0.105
Episode 451
               Total Reward: 1.50 | Epsilon: 0.104
Episode 452
               Total Reward: -19.50 | Epsilon: 0.104
               Total Reward: -10.50 | Epsilon: 0.103
Episode 453
Episode 454
               Total Reward: -3.00 | Epsilon: 0.103
Episode 455
               Total Reward: -12.50 | Epsilon: 0.102
              Total Reward: -7.50 | Epsilon: 0.102
Total Reward: -4.50 | Epsilon: 0.101
Episode 456
Episode 457
Episode 458
               Total Reward: -7.50 | Epsilon: 0.101
Episode 459
               Total Reward: -4.50 | Epsilon: 0.100
Episode 460
               Total Reward: 0.00 | Epsilon: 0.100
Episode 461
               Total Reward: -6.00 | Epsilon: 0.100
Episode 462
               Total Reward: -16.00 | Epsilon: 0.100
Episode 463
               Total Reward: -3.00 | Epsilon: 0.100
               Total Reward: -6.00 | Epsilon: 0.100
Total Reward: -7.50 | Epsilon: 0.100
Episode 464
Episode 465
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Episode 466
Episode 467
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               Total Reward: -13.50 | Epsilon: 0.100
Total Reward: -34.50 | Epsilon: 0.100
Episode 468
Episode 469
Episode 470
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Episode 471
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               Total Reward: -1.50 | Epsilon: 0.100
Total Reward: -11.50 | Epsilon: 0.100
Episode 472
Fnisode 473
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Episode 474
Episode 475
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               Total Reward: -7.50 | Epsilon: 0.100
Episode 476
               Total Reward: -7.50 | Epsilon: 0.100
Episode 477
Episode 478
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               Total Reward: -22.00 | Epsilon: 0.100
Episode 479
Episode 480
               Total Reward: -24.00 | Epsilon: 0.100
               Total Reward: -12.00 | Epsilon: 0.100
Episode 481
Episode 482
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Episode 483
               Total Reward: -11.50 | Epsilon: 0.100
Episode 484
Episode 485
               Total Reward: 0.00 | Epsilon: 0.100
Episode 486
               Total Reward: -13.00 | Epsilon: 0.100
Episode 487
               Total Reward: -13.50 | Epsilon: 0.100
Episode 488
               Total Reward: -3.00 | Epsilon: 0.100
               Total Reward: 0.00 | Epsilon: 0.100
Fnisode 489
Episode 490
              Total Reward: -4.50 | Epsilon: 0.100
Episode 491
               Total Reward: -7.50 | Epsilon: 0.100
               Total Reward: -16.50 | Epsilon: 0.100
Episode 492
Episode 493 | Total Reward: -24.50 | Epsilon: 0.100
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Episode 494 | Total Reward: -12.50 | Epsilon: 0.100
Episode 495
              Total Reward: -17.50 | Epsilon: 0.100
Fnisode 496
               Total Reward: -9.00 | Epsilon: 0.100
               Total Reward: -7.50 | Epsilon: 0.100
Episode 497
Episode 498
               Total Reward: -6.00 | Epsilon: 0.100
               Total Reward: -3.00 | Epsilon: 0.100
Episode 499
               Total Reward: -1.50 | Epsilon: 0.100
Total Reward: -1.50 | Epsilon: 0.100
Episode 500
Episode 501
               Total Reward: -20.50 | Epsilon: 0.100
Episode 502
Episode 503
               Total Reward: -16.50 | Epsilon: 0.100
               Total Reward: -6.00 | Epsilon: 0.100
Episode 504
Episode 505
               Total Reward: -6.00 | Epsilon: 0.100
Episode 506
               Total Reward: -17.50 | Epsilon: 0.100
Episode 507
               Total Reward: -16.50 | Epsilon: 0.100
              Total Reward: -11.00 | Epsilon: 0.100
Total Reward: -10.00 | Epsilon: 0.100
Episode 508
Episode 509
               Total Reward: -12.00 | Epsilon: 0.100
Episode 510
               Total Reward: 1.50 | Epsilon: 0.100
Episode 511
Episode 512
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Episode 513
               Total Reward: -23.00 | Epsilon: 0.100
               Total Reward: -10.50 | Epsilon: 0.100
Episode 514
Episode 515
               Total Reward: -13.50 | Epsilon: 0.100
Episode 516
               Total Reward: 0.00 | Epsilon: 0.100
Episode 517
               Total Reward: -19.00 | Epsilon: 0.100
Episode 518
               Total Reward: -13.50 | Epsilon: 0.100
Episode 519
               Total Reward: -4.50 | Epsilon: 0.100
Episode 520
               Total Reward: -4.50 | Epsilon: 0.100
               Total Reward: -1.50 | Epsilon: 0.100
Episode 521
Episode 522
               Total Reward: -10.50 | Epsilon: 0.100
Episode 523
               Total Reward: -1.50 | Epsilon: 0.100
Episode 524
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Fnisode 525
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Episode 526
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Episode 527
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Episode 528
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               Total Reward: -10.00 | Epsilon: 0.100
Episode 529
Episode 530
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               Total Reward: -3.00 | Epsilon: 0.100
Episode 531
Episode 532
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Episode 533
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Episode 534
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Episode 535
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Episode 536
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Episode 537
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Episode 538
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               Total Reward: -3.00 | Epsilon: 0.100
Total Reward: -19.00 | Epsilon: 0.100
Episode 539
Episode 540
Episode 541
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Episode 542
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Episode 543
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               Total Reward: -1.50 | Epsilon: 0.100
Episode 544
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Episode 546
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Episode 548
Episode 549
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Episode 550
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Total Reward: -7.50 | Epsilon: 0.100
Episode 551
Episode 552
Episode 553
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Episode 554
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Episode 555
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Episode 556
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Fnisode 557
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Episode 558
Episode 559
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               Total Reward: -10.50 | Epsilon: 0.100
Episode 560
Episode 561
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Episode 562
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               Total Reward: -4.50 | Epsilon: 0.100
Episode 563
Episode 564
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Episode 565
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               Total Reward: -10.50 | Epsilon: 0.100
Episode 566
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Episode 567
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Episode 568
Episode 569
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Episode 570
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Episode 571
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               Total Reward: -3.00 | Epsilon: 0.100
Fnisode 572
Episode 573
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               Total Reward: -7.50 | Epsilon: 0.100
Episode 574
               Total Reward: 1.50 | Epsilon: 0.100
Episode 575
Episode 576 | Total Reward: -3.00 | Epsilon: 0.100
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Episode 577 | Total Reward: -3.00 | Epsilon: 0.100
Episode 578
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Fnisode 579
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              Total Reward: -3.00 | Epsilon: 0.100
Episode 580
Episode 581
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Episode 582
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Episode 583
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              Total Reward: 0.00 | Epsilon: 0.100
Episode 584
Episode 585
              Total Reward: -3.00 | Epsilon: 0.100
Episode 586
              Total Reward: -17.00 | Epsilon: 0.100
Episode 587
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Episode 588
              Total Reward: 0.00 | Epsilon: 0.100
Episode 589
              Total Reward: 0.00 | Epsilon: 0.100
Fnisode 590
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              Total Reward: -21.00 | Epsilon: 0.100
Episode 591
              Total Reward: -15.00 | Epsilon: 0.100
Episode 592
              Total Reward: 1.50 | Epsilon: 0.100
Episode 593
              Total Reward: -22.00 | Epsilon: 0.100
Episode 594
Episode 595
              Total Reward: -10.50 | Epsilon: 0.100
Episode 596
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              Total Reward: -1.50 | Epsilon: 0.100
Episode 597
Episode 598
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Episode 599
              Total Reward: -12.00
                                   | Epsilon: 0.100
Episode 600
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Episode 601
              Total Reward: -10.00 | Epsilon: 0.100
Episode 602
              Total Reward: -11.00 | Epsilon: 0.100
Episode 603
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Episode 605
Episode 606
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Episode 607
              Total Reward: -12.50 | Epsilon: 0.100
Fnisode 608
              Total Reward: 0.00 | Epsilon: 0.100
Episode 609
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              Total Reward: 1.50 | Epsilon: 0.100
Frisode 610
Episode 611
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Episode 612
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Episode 613
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              Total Reward: -13.50 | Epsilon: 0.100
Episode 614
Episode 615
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Episode 616
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Episode 617
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Episode 618
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Episode 623
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Episode 625
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Episode 626
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Episode 627
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Episode 628
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Episode 630
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Episode 631
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Episode 633
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Episode 634
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Episode 635
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Episode 637
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Episode 638
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Fnisode 639
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Fnisode 640
Episode 641
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Episode 642
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Episode 643
Episode 644
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Episode 645
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              Total Reward: 0.00 | Epsilon: 0.100
Episode 646
Episode 647
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Episode 648
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Fnisode 649
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Episode 650
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Episode 651
Episode 652
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Episode 653
              Total Reward: -6.00 | Epsilon: 0.100
Episode 654
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              Total Reward: -1.50 | Epsilon: 0.100
Fnisode 655
Episode 656
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              Total Reward: -3.00 | Epsilon: 0.100
Episode 657
              Total Reward: 0.00 | Epsilon: 0.100
Episode 659 | Total Reward: -4.50 | Epsilon: 0.100
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Episode 660 | Total Reward: 1.50 | Epsilon: 0.100
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Episode 662
              Total Reward: 0.00 | Epsilon: 0.100
Episode 663
              Total Reward: 0.00 | Epsilon: 0.100
Episode 664
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Episode 665
              Total Reward: -1.50 | Epsilon: 0.100
Episode 666
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              Total Reward: -3.00 | Epsilon: 0.100
Episode 667
              Total Reward: -11.50 | Epsilon: 0.100
Episode 668
Episode 669
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Episode 670
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Episode 671
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Episode 672
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Episode 673
              Total Reward: -6.00 | Epsilon: 0.100
               Total Reward: 0.00 | Epsilon: 0.100
Episode 674
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Fnisode 675
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Episode 676
Episode 677
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Episode 678
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Episode 679
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Episode 681
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Episode 682
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Episode 683
Episode 684
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              Total Reward: 0.00 | Epsilon: 0.100
Episode 685
Episode 686
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Episode 687
              Total Reward: -7.50 | Epsilon: 0.100
Episode 688
Fnisode 689
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Episode 690
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              Total Reward: 0.00 | Epsilon: 0.100
Fnisode 691
Episode 692
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Episode 693
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Episode 694
              Total Reward: -3.00 | Epsilon: 0.100
              Total Reward: 0.00 | Epsilon: 0.100
Episode 695
Episode 696
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              Total Reward: -3.00 | Epsilon: 0.100
Episode 697
Episode 698
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Episode 699
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Episode 700
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Episode 701
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Episode 702
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Episode 703
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Episode 1074 | Total Reward: 0.00 | Epsilon: 0.100
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Episode 1322
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Episode 1403
               Total Reward: 1.50 | Epsilon: 0.100
Episode 1404
               Total Reward: 0.00 | Epsilon: 0.100
               Total Reward: 0.00 | Epsilon: 0.100
Episode 1405
Episode 1406 | Total Reward: 1.50 | Epsilon: 0.100
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Episode 1411
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Episode 1412
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Episode 1415
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Total Reward: -10.00 | Epsilon: 0.100
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Episode 1418
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Episode 1419
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Episode 1423
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Episode 1425
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Episode 1426
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Episode 1432
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Episode 1451
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Episode 1474
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Episode 1477
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Episode 1488
Episode 1489 | Total Reward: -3.00 | Epsilon: 0.100
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Episode 1496
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Episode 1498
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Episode 1502
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Episode 1504
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                                   | Epsilon: 0.100
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Fnisode 1505
Episode 1506
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Episode 1507
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Episode 1508
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Fnisode 1523
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Episode 1528
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Enisode 1533
Episode 1534
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Episode 1550
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Episode 1551
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Enisode 1552
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Enisode 1553
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Episode 1556
Episode 1557
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Episode 1558
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Episode 1560
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Fnisode 1562
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Episode 1565
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Fnisode 1568
Episode 1569
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Episode 1570
               Total Reward: 0.00 | Epsilon: 0.100
Episode 1572 | Total Reward: 1.50 | Epsilon: 0.100
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Episode 1573 | Total Reward: 1.50 | Epsilon: 0.100
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Episode 1575
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Frisode 1576
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Episode 1577
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Episode 1581
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Fnisode 1588
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Episode 1590
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Episode 1591
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Episode 1592
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Episode 1593
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Episode 1594
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Episode 1595
Episode 1596
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Episode 1597
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Episode 1598
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Episode 1599
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Episode 1603
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Frisode 1604
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Episode 1610
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Episode 1611
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Episode 1612
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Episode 1613
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Episode 1614
Episode 1615
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Episode 1617
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Episode 1618
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Episode 1621
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Episode 1622
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Episode 1623
Episode 1624
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Episode 1625
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Episode 1626
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Episode 1627
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Episode 1628
Episode 1629
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Episode 1630
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Episode 1632
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Episode 1633
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Episode 1634
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Episode 1638
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Episode 1639
Episode 1640
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Episode 1641
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Episode 1642
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                                   | Epsilon: 0.100
Episode 1643
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Episode 1644
Fnisode 1645
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Episode 1646
Episode 1647
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Episode 1648
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Episode 1649
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Episode 1652
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Episode 1653
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Episode 1654
Episode 1655 | Total Reward: 0.00 | Epsilon: 0.100
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Episode 1658
Episode 1659
Episode 1660
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Episode 1665
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Episode 1667
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Fnisode 1669
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Episode 1673
Episode 1674
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Episode 1675
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Episode 1676
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Episode 1677
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Episode 1678
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Episode 1679
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Episode 1680
Episode 1681
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Episode 1682
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Episode 1683
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Episode 1684
Fnisode 1685
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Fnisode 1687
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Episode 1688
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Fnisode 1689
Episode 1690
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Episode 1692
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Episode 1693
Episode 1694
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Episode 1695
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Episode 1696
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Episode 1698
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Fnisode 1699
Episode 1700
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Episode 1703
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Episode 1706
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Episode 1709
Episode 1710
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Episode 1711
Episode 1712
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Episode 1713
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Episode 1714
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Episode 1715
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Episode 1716
Episode 1717
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Episode 1723
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Episode 1727
Fnisode 1728
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Episode 1730
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Episode 1732
Episode 1733
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                                    | Epsilon: 0.100
Enisode 1734
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Episode 1735
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Episode 1736
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Episode 1737
Episode 1738 | Total Reward: -10.50 | Epsilon: 0.100
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Frisode 1742
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Episode 1743
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Episode 1744
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Episode 1745
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Episode 1747
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Episode 1748
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Episode 1749
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Episode 1750
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Episode 1751
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Episode 1843
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Fnisode 1845
Episode 1846
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Episode 1849
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Episode 1850
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Episode 1854
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Episode 1901
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Episode 1902
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Episode 1903
Episode 1904 | Total Reward: -12.00 | Epsilon: 0.100
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Episode 1909
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Episode 1910
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Episode 1911
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Episode 1922
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Enisode 1928
Episode 1929
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Episode 1931
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Episode 1935
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Episode 1943
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Episode 1949
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Episode 1952
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Episode 1958
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Episode 1972
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Episode 1978
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Episode 1980
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Episode 1984
Episode 1985
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Episode 1986
Episode 1987 | Total Reward: 0.00 | Epsilon: 0.100
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Episode 1992
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Episode 1996
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Episode 1997
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Episode 1998
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Episode 1999
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Enisode 2002
Episode 2003
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Episode 2004
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Episode 2010
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Episode 2011
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Frisode 2017
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Episode 2018
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Episode 2043
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Episode 2049
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Enisode 2050
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Fnisode 2051
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Episode 2052
Episode 2053
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Episode 2055
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Episode 2057
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Episode 2058
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Episode 2068
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Episode 2069
Episode 2070 | Total Reward: 0.00 | Epsilon: 0.100
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Episode 2090
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Episode 2092
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Episode 2099
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Episode 2103
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Episode 2733
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Episode 2814
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Episode 3480
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Episode 3729
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Episode 4552
Episode 4553
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Episode 4555
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Episode 4559
Episode 4560 | Total Reward: 1.50 | Epsilon: 0.100
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Episode 4570
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Episode 4573
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Episode 4643 | Total Reward: 1.50 | Epsilon: 0.100
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Episode 4663
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Episode 4670
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Episode 4679
Episode 4680
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Episode 4682
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Episode 4683
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Episode 4684
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Episode 4685
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Episode 4688
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Episode 4711
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Episode 4718
Episode 4719
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Frisode 4720
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Episode 4721
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Fnisode 4722
Episode 4723
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Episode 4724
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Episode 4725
Episode 4726 | Total Reward: -3.00 | Epsilon: 0.100
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Fnisode 4729
Episode 4730
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Episode 4732
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Episode 4733
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Episode 4735
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Episode 4736
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Total Reward: -1.50 | Epsilon: 0.100
Episode 4737
Episode 4738
Episode 4739
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Episode 4740
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Fnisode 4741
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Episode 4747
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Episode 4748
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Episode 4749
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Episode 4750
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Episode 4752
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Episode 4753
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Episode 4763
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Episode 4765
Episode 4766
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Episode 4768
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Episode 4769
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Episode 4770
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Episode 4772
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Episode 4773
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Episode 4777
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Episode 4779
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Episode 4782
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Episode 4783
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Episode 4784
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Episode 4787
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Episode 4788
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Fnisode 4789
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Episode 4793
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Episode 4795
Episode 4796
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Episode 4797
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Episode 4798
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Episode 4799
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Episode 4801
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Episode 4802
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Frisode 4803
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Episode 4804
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Episode 4806
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Episode 4807
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Episode 4808
Episode 4809 | Total Reward: -10.00 | Epsilon: 0.100
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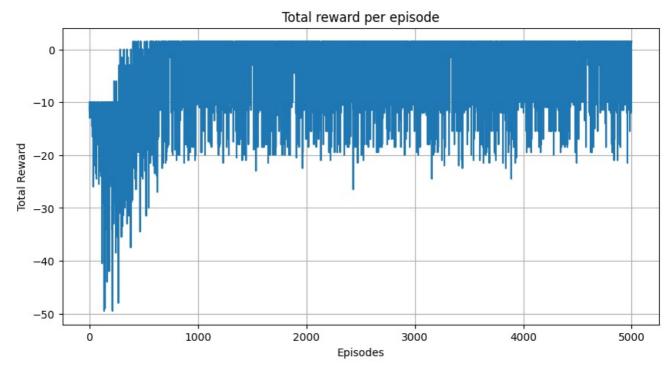
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Episode 4822
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Episode 4830
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Episode 4846
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Total Reward: -10.50 | Epsilon: 0.100
Episode 4855
Episode 4856
Episode 4857
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Episode 4862
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Episode 4870
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Episode 4883
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Episode 4884
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Fnisode 4895
Episode 4896
Episode 4897
               Total Reward: -18.50 | Epsilon: 0.100
Episode 4898
               Total Reward: -11.00 | Epsilon: 0.100
Episode 4899
               Total Reward: 1.50 | Epsilon: 0.100
               Total Reward: -1.50 | Epsilon: 0.100
Episode 4900
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4901
Episode 4902
               Total Reward: 1.50 | Epsilon: 0.100
               Total Reward: -10.00 | Epsilon: 0.100
Episode 4903
Episode 4904
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4905
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4906
               Total Reward: -1.50 | Epsilon: 0.100
               Total Reward: 0.00 | Epsilon: 0.100
Fnisode 4907
               Total Reward: 1.50 | Epsilon: 0.100
Fnisode 4908
Episode 4909
               Total Reward: 0.00 | Epsilon: 0.100
               Total Reward: -10.00 | Epsilon: 0.100
Episode 4910
Episode 4911
               Total Reward: -11.50 | Epsilon: 0.100
               Total Reward: -11.50 | Epsilon: 0.100
Episode 4912
Episode 4913
               Total Reward: -3.00 | Epsilon: 0.100
Episode 4914
               Total Reward: -3.00 | Epsilon: 0.100
Episode 4915
               Total Reward: -1.50
                                    | Epsilon: 0.100
               Total Reward: -4.50 | Epsilon: 0.100
Episode 4916
Episode 4917
               Total Reward: -1.50 | Epsilon: 0.100
Episode 4918
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4919
               Total Reward: -11.50 | Epsilon: 0.100
Episode 4920
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4921
               Total Reward: 1.50 | Epsilon: 0.100
Fnisode 4922
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4923
               Total Reward: 0.00 | Epsilon: 0.100
Fnisode 4924
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4925
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4926
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4927
               Total Reward: -11.50 | Epsilon: 0.100
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4928
Episode 4929
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4930
               Total Reward: -1.50 | Epsilon: 0.100
Episode 4931
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4932
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4933
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4934
               Total Reward: -1.50 | Epsilon: 0.100
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               Total Reward: 0.00 | Epsilon: 0.100
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               Total Reward: 0.00 | Epsilon: 0.100
Episode 4937
               Total Reward: 1.50 | Epsilon: 0.100
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               Total Reward: 0.00 | Epsilon: 0.100
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               Total Reward: 1.50 | Epsilon: 0.100
Episode 4941
               Total Reward: -10.50 | Epsilon: 0.100
Episode 4942
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4943
               Total Reward: -1.50 | Epsilon: 0.100
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4944
Episode 4945
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4946
               Total Reward: -1.50 | Epsilon: 0.100
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4947
Episode 4948
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4949
               Total Reward: -3.00 | Epsilon: 0.100
Episode 4950
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4951
               Total Reward: -4.50 | Epsilon: 0.100
Episode 4952
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4953
               Total Reward: 1.50 | Epsilon: 0.100
               Total Reward: -3.00 | Epsilon: 0.100
Episode 4954
Fnisode 4955
               Total Reward: 0.00 | Epsilon: 0.100
Fnisode 4956
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4957
               Total Reward: -12.00 | Epsilon: 0.100
               Total Reward: -1.50 | Epsilon: 0.100
Total Reward: -1.50 | Epsilon: 0.100
Episode 4958
Episode 4959
Episode 4960
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4961
               Total Reward: -11.00 | Epsilon: 0.100
Episode 4962
               Total Reward: -21.50 | Epsilon: 0.100
               Total Reward: -10.50 | Epsilon: 0.100
Episode 4963
Episode 4964
               Total Reward: 1.50 | Epsilon: 0.100
Fnisode 4965
               Total Reward: 0.00 | Epsilon: 0.100
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4966
Episode 4967
               Total Reward: -11.50 | Epsilon: 0.100
Episode 4968
               Total Reward: 1.50 | Epsilon: 0.100
               Total Reward: -10.00 | Epsilon: 0.100
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               Total Reward: 0.00 | Epsilon: 0.100
Fnisode 4971
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               Total Reward: 1.50 | Epsilon: 0.100
Episode 4973
               Total Reward: 1.50 | Epsilon: 0.100
               Total Reward: -11.00 | Epsilon: 0.100
Episode 4974
Episode 4975 | Total Reward: 1.50 | Epsilon: 0.100
```

```
Episode 4976 | Total Reward: 1.50 | Epsilon: 0.100
Episode 4977 | Total Reward: -4.50 | Epsilon: 0.100
Episode 4978 | Total Reward: 0.00 | Epsilon: 0.100
Episode 4979 | Total Reward: 1.50 | Epsilon: 0.100
Episode 4980 | Total Reward: 0.00 | Epsilon: 0.100
Episode 4981 | Total Reward: -10.00 | Epsilon: 0.100
Episode 4982 | Total Reward: 1.50 | Epsilon: 0.100
Episode 4983 | Total Reward: 0.00 | Epsilon: 0.100
Episode 4984 | Total Reward: -15.50 | Epsilon: 0.100
Episode 4985 | Total Reward: -11.00 | Epsilon: 0.100
Episode 4986
              Total Reward: -10.50 | Epsilon: 0.100
              Total Reward: -10.00 | Epsilon: 0.100
Episode 4987
Episode 4988 | Total Reward: -10.50 | Epsilon: 0.100
Episode 4989 | Total Reward: -11.50 | Epsilon: 0.100
Episode 4990
             | Total Reward: 0.00 | Epsilon: 0.100
Episode 4991 | Total Reward: -10.50 | Epsilon: 0.100
Episode 4992 | Total Reward: 1.50 | Epsilon: 0.100
Episode 4993 | Total Reward: 1.50 | Epsilon: 0.100
Episode 4994 | Total Reward: 0.00 | Epsilon: 0.100
Episode 4995 |
              Total Reward: -12.00 | Epsilon: 0.100
Episode 4996 | Total Reward: -4.50 | Epsilon: 0.100
              Total Reward: -1.50 | Epsilon: 0.100
Episode 4997
Episode 4998
              Total Reward: 1.50 | Epsilon: 0.100
Episode 4999 | Total Reward: 1.50 | Epsilon: 0.100
Episode 5000 | Total Reward: 1.50 | Epsilon: 0.100
```

Step 5: Plot the Rewards per episodes

```
In [11]: # Plotting the results
    plt.figure(figsize=(10, 5))
    plt.plot(total_rewards)
    plt.xlabel("Episodes")
    plt.ylabel("Total Reward")
    plt.title("Total reward per episode")
    plt.grid(True)
    plt.show()
```



Note: We have trained our Model again

Interpretation

Start (Episodes 0-500):

- The total rewards are mostly negative, with sharp drops. This shows:
- The agents are exploring randomly (ε-greedy).
- They're often hitting obstacles or making invalid moves.
- They're still "learning" what works.

Middle Phase (500-1500):

- You can see a clear increase in total rewards.
- · The agents are starting to learn from experience replay.

· Q-values are improving, and policies are being updated correctly.

Later Phase (1500-5000):

- The graph flattens around a stable reward range, usually between 0 and -20.
- This suggests the agents are learning reasonably well, but still occasionally:
- · Don't complete the task optimally.
- · Stability means convergence is happening.

Reward Oscillation (Through all episodes):

- Some spikes down (e.g., -40 to -50) even later in training:
- That's due to the exploration (even if ε is small).
- Or complex layouts that are harder to navigate.

Step 6: Visualize Trained Agent

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```
In [12]: import time
        import os
        def display_grid(agent_pos, goal, obstacles, grid_size=(10, 10)):
            os.system('clear') # use 'cls' for Windows
            for i in range(grid_size[0]):
               row = "
               for j in range(grid size[1]):
                   pos = (i, j)
                   if pos == agent_pos:
                       row += "
                   elif pos == goal:
                       row += "
                   elif pos in obstacles:
                      row += "
                   el se
                       row += "0 "
               print(row)
            print("\n")
        # Start from initial state
        state = env.reset()
        path = [state]
        done = False
        print(" Visualizing trained agent on 10x10 grid...")
        # Delay between steps (for animation)
        step delay = 0.5
        # Show grid before starting
        display_grid(state, env.goal, env.obstacles)
        while not done:
            time.sleep(step_delay)
            action_idx = np.argmax(Q[state])
            next_state, reward, done = env.step(env.actions[action idx])
            state = next state
            path.append(state)
            display grid(state, env.goal, env.obstacles)
        print("

Agent reached the goal or terminated.")
        print(" Final path:", path)
        Visualizing trained agent on 10x10 grid...
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Final path: [(0, 0), (0, 1), (0, 2), (0, 3), (0, 4), (1, 4), (2, 4), (2, 5), (3, 5), (3, 6), (4, 6), (5, 6), (5
```

Grid Representation

Each grid frame you see is a snapshot of the agent's position on a 10×10 grid:

, 7), (5, 8), (6, 8), (7, 8), (7, 9), (8, 9), (9, 9)]

Symbol	Meaning
	Agent's current position
	Obstacle (can't move through)
	Goal (the delivery location)
0	Empty/free space

What's Happening in Each Frame

- The agent starts at (0, 0) shown in the top-left as
- It moves step by step, avoiding obstacles
- Each step shows the updated position of on the grid
- $\bullet~$ When reaches , the run ends with: $\mathscr C$ Agent reached the goal or terminated.

Final path: [(0, 0), (1, 0), (2, 0), (3, 0), (3, 1), (4, 1), (5, 1), (5, 2), (5, 3), (6, 3), (7, 3), (7, 4), (8, 4), (9, 4), (9, 5), (9, 6), (9, 7), (9, 8), (9, 9)]

DQN Explanation

What is DQN?

Deep Q-Network, or DQN for short, is a Reinforcement Learning algorithm that blends Deep Learning and Q-Learning.

Conventional Q-learning involves the agent storing Q-values (anticipated future rewards) in a Q-table for each pair of states and actions. However, this method is not practical in the following situations:

- The state space is large or continuous (such as coordinates or pictures).
- We are unable to immediately save or update every Q-value.

DQN addresses this by approximating the Q-values using a neural network rather than a table.

How DQN Works

Step	Description
1. Neural Network	A deep neural network (usually fully connected or CNN) is used to approximate the Q-function: \$Q(s, a)\$.
2. Input	The state (like a grid, coordinates, or image) is fed into the network.
3. Output	The network outputs a Q-value for each possible action in that state.
4. Action Selection	The agent uses ϵ -greedy policy: choose the action with the highest Q-value most of the time, but sometimes explores randomly.
5. Training	After performing the action, the agent receives a reward and updates the network using the Bellman Equation.
6. Replay Buffer	Transitions (state, action, reward, next_state) are stored in memory and randomly sampled during training to stabilize learning.
7. Target Network	A copy of the network (target network) is used to compute the next Q-value to avoid unstable updates. It's updated every few steps.

Bellman Update Equation (used in DQN):

 $Q(s, a) = r + \gamma \cdot max_a Q(s', a)$

Where:

- Q(s, a) is the predicted value of taking action a in state s
- r is the reward received
- γ is the discount factor (future reward importance)
- maxa Q(s', a) is the maximum Q-value from the next state

Advantages of DQN

- Works with high-dimensional states (e.g., images, coordinates)
- Learns policies in complex environments like games or robotic simulations
- No need to store a large Q-table

Summary

DQN is a powerful algorithm that allows an agent to learn optimal actions in large or continuous environments by using a **neural network** to estimate future rewards and update itself through experience.

DQN Implementation for Warehouse

DQN Architecture Overview:

Component	Description
Input	(x, y) position of the agent
Output	Q-values for each of 4 actions
Network	Simple Feedforward Neural Network (MLP)
Optimizer	Adam
Loss Function	Mean Squared Error (MSE)
Technique	Experience Replay + ε-greedy

Phase 3: DQN Implementation for Warehouse

Step 1: Build the Neural Network & Replay Buffer

```
import torch
import torch.nn as nn
import torch.optim as optim
import random
import numpy as np
from collections import deque
import matplotlib.pyplot as plt
```

```
def __init__(self, grid_size=(10, 10), goal=(9, 9), obstacles=None):
                 self.grid_size = grid_size
                 self.goal = goal
                 self.start = (0, 0)
                 self.position = self.start
                 self.actions = ['up', 'down', 'left', 'right']
                 self.obstacles = obstacles if obstacles else []
             def reset(self):
                 self.position = self.start
                  return self.position
             def manhattan(self, p1, p2):
                 return abs(p1[0] - p2[0]) + abs(p1[1] - p2[1])
             def step(self, action):
                 x, y = self.position
                 old dist = self.manhattan(self.position, self.goal)
                 if action == 'up':
                     x -= 1
                 elif action == 'down':
                     x += 1
                 elif action == 'left':
                     y -= 1
                 elif action == 'right':
                     y += 1
                 new_pos = (x, y)
                 if not (0 \le x \le self.grid\_size[0] and 0 \le y \le self.grid\_size[1]):
                     return self.position, -10, True
                 if new pos in self.obstacles:
                     return self.position, -10, True
                 if new_pos == self.goal:
                     self.position = new_pos
                     return self.position, +10, True
                 self.position = new_pos
                 new_dist = self.manhattan(new_pos, self.goal)
                 reward = -1
                 if new dist < old dist:</pre>
                      reward += 0.5 # reward shaping
                 return self.position, reward, False
In [14]: class DQN(nn.Module):
             def __init__(self, input_dim=2, output_dim=4):
                  super(DQN, self).__init_
                 self.net = nn.Sequential(
                     nn.Linear(input_dim, 64),
                     nn.ReLU(),
                     nn.Linear(64, 32),
                     nn.ReLU()
                     nn.Linear(32, output_dim)
             def forward(self, x):
                 return self.net(x)
         class ReplayBuffer:
             def init (self, capacity=2000):
                 self.buffer = deque(maxlen=capacity)
             def push(self, state, action, reward, next_state, done):
                 self.buffer.append((state, action, reward, next_state, done))
             def sample(self, batch_size):
                 indices = random.sample(range(len(self.buffer)), batch_size)
                 batch = [self.buffer[i] for i in indices]
                 states, actions, rewards, next_states, dones = zip(*batch)
                 return (np.array(states), actions, rewards, np.array(next_states), dones)
             def len (self):
                  return len(self.buffer)
```

Step 2 : DQN Training Code

class MoveToGoalEnv:

```
In [15]: env = MoveToGoalEnv(goal=(9, 9), obstacles=[(2, 2), (3, 3), (4, 4), (5, 5)])
         device = torch.device("cpu")
         model = DQN().to(device)
         target model = DQN().to(device)
         target model.load state dict(model.state dict())
         optimizer = optim.Adam(model.parameters(), lr=0.001)
         loss fn = nn.MSELoss()
         buffer = ReplayBuffer()
         # Training Parameters
         episodes = 5000
         batch_size = 32
         gamma = 0.95
         epsilon = 1.0
         epsilon decay = 0.995
         min_epsilon = 0.1
         target update = 10
         max_steps = 50
         rewards = []
         for episode in range(episodes):
             state = env.reset()
             total reward = 0
             done = False
             steps = 0
             while not done and steps < max steps:</pre>
                 state_tensor = torch.FloatTensor(state).unsqueeze(0).to(device)
                 if random.random() < epsilon:</pre>
                     action = random.randint(0, 3)
                     with torch.no_grad():
                         q vals = model(state_tensor)
                         action = q vals.argmax().item()
                 next_state, reward, done = env.step(env.actions[action])
                 buffer.push(state, action, reward, next state, done)
                 state = next_state
                 total_reward += reward
                 steps += 1
                 if len(buffer) >= batch size:
                     states, actions, rewards b, next states, dones = buffer.sample(batch size)
                     states = torch.FloatTensor(states).to(device)
                     next states = torch.FloatTensor(next states).to(device)
                     actions = torch.LongTensor(actions).unsqueeze(1).to(device)
                     rewards b = torch.FloatTensor(rewards b).unsqueeze(1).to(device)
                     dones = torch.FloatTensor(dones).unsqueeze(1).to(device)
                     q values = model(states).gather(1, actions)
                     next_q = target_model(next_states).max(1)[0].detach().unsqueeze(1)
                     target = rewards_b + gamma * next_q * (1 - dones)
                     loss = loss fn(q values, target)
                     optimizer.zero grad()
                     loss.backward()
                     optimizer.step()
             epsilon = max(min epsilon, epsilon * epsilon decay)
             rewards.append(total_reward)
             if episode % target_update == 0:
                 target model.load state dict(model.state dict())
             print(f"Episode {episode + 1} | Total Reward: {total reward:.2f} | Epsilon: {epsilon:.3f}")
        Episode 1 | Total Reward: -10.50 | Epsilon: 0.995
        Episode 2 | Total Reward: -13.00 | Epsilon: 0.990
        Episode 3 | Total Reward: -10.50 | Epsilon: 0.985
        Episode 4 | Total Reward: -10.00 | Epsilon: 0.980
        Episode 5 | Total Reward: -10.50 | Epsilon: 0.975
        Episode 6 | Total Reward: -10.00 | Epsilon: 0.970
        Episode 7 | Total Reward: -10.00 | Epsilon: 0.966
        Episode 8 | Total Reward: -10.50 | Epsilon: 0.961
        Episode 9 | Total Reward: -10.00 | Epsilon: 0.956
        Episode 10 | Total Reward: -10.00 | Epsilon: 0.951
        Episode 11 | Total Reward: -14.50 | Epsilon: 0.946
        Episode 12 | Total Reward: -10.00 | Epsilon: 0.942
        Episode 13 | Total Reward: -12.50 | Epsilon: 0.937
        Episode 14 | Total Reward: -26.00 | Epsilon: 0.932
```

```
Episode 15 | Total Reward: -10.00 | Epsilon: 0.928
Episode 16 | Total Reward: -11.50 | Epsilon: 0.923
Episode 17 | Total Reward: -11.00
                                  | Epsilon: 0.918
Episode 18 | Total Reward: -10.00 | Epsilon: 0.914
Episode 19 | Total Reward: -13.50 | Epsilon: 0.909
Episode 20 | Total Reward: -10.00 | Epsilon: 0.905
Episode 21 | Total Reward: -17.00
                                  | Epsilon: 0.900
Episode 22 | Total Reward: -10.00 | Epsilon: 0.896
Episode 23 | Total Reward: -13.00 | Epsilon: 0.891
Episode 24 | Total Reward: -10.00 | Epsilon: 0.887
Episode 25 L
            Total Reward: -12.00
                                  | Epsilon: 0.882
Episode 26 | Total Reward: -11.50 | Epsilon: 0.878
Episode 27 | Total Reward: -10.50 | Epsilon: 0.873
Episode 28 | Total Reward: -10.00
                                   Epsilon: 0.869
Enisode 29 L
            Total Reward: -24.50
                                    Epsilon: 0.865
Episode 30 | Total Reward: -10.00 | Epsilon: 0.860
Episode 31 | Total Reward: -17.50 | Epsilon: 0.856
Episode 32 | Total Reward: -12.50 | Epsilon: 0.852
Episode 33 | Total Reward: -11.50
                                   Epsilon: 0.848
Episode 34 | Total Reward: -12.00 | Epsilon: 0.843
Episode 35 | Total Reward: -10.50 | Epsilon: 0.839
Episode 36 | Total Reward: -11.50 | Epsilon: 0.835
            Total Reward: -10.00
Episode 37
                                    Epsilon: 0.831
Episode 38 | Total Reward: -13.00 | Epsilon: 0.827
Episode 39 | Total Reward: -10.50 | Epsilon: 0.822
Episode 40 | Total Reward: -12.00 | Epsilon: 0.818
Episode 41 |
            Total Reward: -16.00 | Epsilon: 0.814
Episode 42 | Total Reward: -10.50 | Epsilon: 0.810
Episode 43 | Total Reward: -10.50 | Epsilon: 0.806
Episode 44 | Total Reward: -10.00
                                  | Epsilon: 0.802
Episode 45 |
            Total Reward: -16.00
                                    Epsilon: 0.798
Episode 46 | Total Reward: -10.00 | Epsilon: 0.794
Episode 47 | Total Reward: -10.00 | Epsilon: 0.790
Episode 48 | Total Reward: -10.00 | Epsilon: 0.786
Episode 49 |
            Total Reward: -11.50
                                  | Epsilon: 0.782
Episode 50 | Total Reward: -16.00 | Epsilon: 0.778
Episode 51 | Total Reward: -10.00 | Epsilon: 0.774
Episode 52 | Total Reward: -13.50 | Epsilon: 0.771
Episode 53 | Total Reward: -19.00
                                  | Epsilon: 0.767
Episode 54 | Total Reward: -10.00 | Epsilon: 0.763
Episode 55 | Total Reward: -13.00 | Epsilon: 0.759
Episode 56 | Total Reward: -10.00 | Epsilon: 0.755
Episode 57 | Total Reward: -16.00
                                  | Epsilon: 0.751
Episode 58 | Total Reward: -10.00 | Epsilon: 0.748
Episode 59 | Total Reward: -10.00
                                  | Epsilon: 0.744
Episode 60 | Total Reward: -11.50
                                   Epsilon: 0.740
Episode 61 | Total Reward: -10.50
                                  I Epsilon: 0.737
Episode 62 | Total Reward: -10.50 | Epsilon: 0.733
Episode 63 | Total Reward: -10.00 | Epsilon: 0.729
Episode 64 | Total Reward: -10.00 | Epsilon: 0.726
Episode 65 | Total Reward: -10.00
                                   Epsilon: 0.722
Episode 66 | Total Reward: -13.00 | Epsilon: 0.718
Episode 67 | Total Reward: -13.00 | Epsilon: 0.715
Episode 68 | Total Reward: -10.00
                                  | Epsilon: 0.711
Episode 69 | Total Reward: -10.00 | Epsilon: 0.708
Episode 70 | Total Reward: -10.00 | Epsilon: 0.704
Episode 71 | Total Reward: -10.50 | Epsilon: 0.701
Episode 72 | Total Reward: -10.00
                                  | Epsilon: 0.697
Episode 73 | Total Reward: -10.00
                                  | Epsilon: 0.694
Episode 74 | Total Reward: -13.00 | Epsilon: 0.690
Episode 75 | Total Reward: -12.00
                                  I Epsilon: 0.687
Episode 76 | Total Reward: -10.00
                                    Epsilon: 0.683
Episode 77 | Total Reward: -10.50 | Epsilon: 0.680
Episode 78 | Total Reward: -10.00 | Epsilon: 0.676
Episode 79 | Total Reward: -10.50 | Epsilon: 0.673
Episode 80 | Total Reward: -10.50
                                  | Epsilon: 0.670
Episode 81 | Total Reward: -11.00 | Epsilon: 0.666
Episode 82 | Total Reward: -13.50 | Epsilon: 0.663
Episode 83 | Total Reward: -16.50 | Epsilon: 0.660
            Total Reward: -10.50
Episode 84 L
                                    Epsilon: 0.656
Episode 85 | Total Reward: -10.50 | Epsilon: 0.653
Episode 86 | Total Reward: -10.00 | Epsilon: 0.650
Episode 87 | Total Reward: -22.50 | Epsilon: 0.647
Episode 88 |
            Total Reward: -10.00
                                  | Epsilon: 0.643
Episode 89 | Total Reward: -10.00 | Epsilon: 0.640
Episode 90 | Total Reward: -20.00 | Epsilon: 0.637
Episode 91 | Total Reward: -14.00 | Epsilon: 0.634
Episode 92 | Total Reward: -12.50
                                  | Epsilon: 0.631
Episode 93 | Total Reward: -17.50 | Epsilon: 0.627
Episode 94 | Total Reward: -19.50 | Epsilon: 0.624
Episode 95 | Total Reward: -10.00 | Epsilon: 0.621
            Total Reward: -10.00 | Epsilon: 0.618
Episode 96 L
Episode 97 | Total Reward: -10.50 | Epsilon: 0.615
```

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Episode 98 | Total Reward: -19.50 | Epsilon: 0.612
Episode 99 | Total Reward: -10.00 | Epsilon: 0.609
Episode 100 | Total Reward: -32.50 | Epsilon: 0.606
Episode 101
              Total Reward: -11.50 | Epsilon: 0.603
Episode 102
              Total Reward: -17.50
                                   | Epsilon: 0.600
Episode 103
              Total Reward: -16.00
                                      Epsilon: 0.597
Episode 104
              Total Reward: -16.50
                                      Epsilon: 0.594
              Total Reward: -10.50
Episode 105
                                      Epsilon: 0.591
              Total Reward: -36.00 | Epsilon: 0.588
Episode 106
Episode 107
              Total Reward: -11.50 |
                                     Epsilon: 0.585
Episode 108
              Total Reward: -11.00
                                      Epsilon: 0.582
Episode 109
              Total Reward: -10.00
                                      Epsilon: 0.579
Episode 110
              Total Reward: -14.00
                                      Epsilon: 0.576
Episode 111
              Total Reward: -10.00
                                      Epsilon: 0.573
Episode 112
              Total Reward: -32.00
                                      Epsilon: 0.570
              Total Reward: -16.00
Fnisode 113
                                      Fosilon: 0.568
              Total Reward: -11.00
Episode 114
                                    | Epsilon: 0.565
              Total Reward: -35.00
Episode 115
                                      Epsilon: 0.562
              Total Reward: -10.00
Episode 116
                                      Epsilon: 0.559
              Total Reward: -10.00
                                      Epsilon: 0.556
Episode 117
              Total Reward: -10.00
Episode 118
                                      Epsilon: 0.554
Episode 119
              Total Reward: -10.50
                                      Epsilon: 0.551
                                      Epsilon: 0.548
              Total Reward: -14.00
Episode 120
              Total Reward: -12.00
                                      Epsilon: 0.545
Episode 121
Episode 122
              Total Reward: -36.00
                                      Epsilon: 0.543
              Total Reward: -37.00
                                     Epsilon: 0.540
Episode 123
Episode 124
              Total Reward: -10.00
                                      Epsilon: 0.537
              Total Reward: -11.50
Episode 125
                                      Epsilon: 0.534
              Total Reward: -10.00
                                      Epsilon: 0.532
Episode 126
Episode 127
              Total Reward: -10.00
                                      Epsilon: 0.529
Episode 128
              Total Reward: -12.00
                                      Epsilon: 0.526
Fnisode 129
              Total Reward: -14.00
                                     Ensilon: 0.524
Episode 130
              Total Reward: -13.00
                                      Epsilon: 0.521
              Total Reward: -11.00
                                     Epsilon: 0.519
Fnisode 131
Episode 132
              Total Reward: -15.00
                                      Epsilon: 0.516
              Total Reward: -19.00
Episode 133
                                     Epsilon: 0.513
Episode 134
              Total Reward: -10.00
                                      Epsilon: 0.511
              Total Reward: -15.00
Episode 135
                                      Epsilon: 0.508
Episode 136
              Total Reward: -34.50
                                      Epsilon: 0.506
Episode 137
              Total Reward: -10.50
                                      Epsilon: 0.503
Episode 138
              Total Reward: -34.50
                                      Epsilon: 0.501
Episode 139
              Total Reward: -11.50
                                      Epsilon: 0.498
Episode 140
              Total Reward: -38.50
                                      Epsilon: 0.496
              Total Reward: -11.50
                                      Epsilon: 0.493
Frisode 141
Episode 142
              Total Reward: -10.00
                                      Epsilon: 0.491
Episode 143
              Total Reward: -15.00
                                      Epsilon: 0.488
              Total Reward: -34.50
Episode 144
                                      Epsilon: 0.486
Episode 145
              Total Reward: -11.00 |
                                     Epsilon: 0.483
Episode 146
              Total Reward: -35.00 |
                                      Epsilon: 0.481
Episode 147
              Total Reward: -12.00
                                      Epsilon: 0.479
Episode 148
              Total Reward: -12.00
                                      Epsilon: 0.476
Episode 149
              Total Reward: -11.00
                                      Epsilon: 0.474
Episode 150
              Total Reward: -10.00
                                      Epsilon: 0.471
              Total Reward: -10.00
Total Reward: -10.00
Episode 151
                                      Epsilon: 0.469
Episode 152
                                      Epsilon: 0.467
Episode 153
              Total Reward: -11.50
                                      Epsilon: 0.464
Episode 154
              Total Reward: -10.00 |
                                      Epsilon: 0.462
Episode 155
              Total Reward: -27.50
                                      Epsilon: 0.460
Episode 156
              Total Reward: -35.50
                                      Epsilon: 0.458
Episode 157
              Total Reward: -24.00
                                      Epsilon: 0.455
Episode 158
              Total Reward: -15.50
                                      Epsilon: 0.453
              Total Reward: -34.50
Total Reward: -18.00
Episode 159
                                      Epsilon: 0.451
Frisode 160
                                      Fosilon: 0.448
              Total Reward: -36.50
Episode 161
                                      Epsilon: 0.446
Episode 162
              Total Reward: -13.00 |
                                     Epsilon: 0.444
Episode 163
              Total Reward: -41.50
                                      Epsilon: 0.442
              Total Reward: -37.00
                                      Epsilon: 0.440
Episode 164
Episode 165
              Total Reward: -10.00
                                      Epsilon: 0.437
Episode 166
              Total Reward: -28.00
                                      Epsilon: 0.435
Episode 167
              Total Reward: -11.00
                                      Epsilon: 0.433
Episode 168
              Total Reward: -10.00
                                      Epsilon: 0.431
              Total Reward: -14.50
Episode 169
                                      Epsilon: 0.429
Episode 170
              Total Reward: -35.50 |
                                     Epsilon: 0.427
Episode 171
              Total Reward: -14.00
                                      Epsilon: 0.424
              Total Reward: -14.00
Episode 172
                                     Epsilon: 0.422
Episode 173
              Total Reward: -21.00
                                    | Epsilon: 0.420
              Total Reward: -10.50
                                     Epsilon: 0.418
Episode 174
Episode 175
              Total Reward: -13.50
                                      Epsilon: 0.416
              Total Reward: -10.00
Fnisode 176
                                     Fosilon: 0.414
Episode 177
              Total Reward: -35.00 | Epsilon: 0.412
              Total Reward: -19.00 | Epsilon: 0.410
Episode 178
              Total Reward: -10.00
Episode 179
                                    I Epsilon: 0.408
Episode 180 | Total Reward: -34.50 | Epsilon: 0.406
```

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Episode 181 |
              Total Reward: -10.00 | Epsilon: 0.404
Episode 182
              Total Reward: -40.00 | Epsilon: 0.402
Episode 183
              Total Reward: -16.50
                                      Epsilon: 0.400
Episode 184
              Total Reward: -10.50
                                      Epsilon: 0.398
Episode 185
              Total Reward: -10.50
                                      Epsilon: 0.396
Episode 186
              Total Reward: -10.00
                                      Epsilon: 0.394
              Total Reward: -35.00
Total Reward: -10.50
Episode 187
                                      Epsilon: 0.392
Episode 188
                                      Epsilon: 0.390
Episode 189
              Total Reward: -25.50
                                      Epsilon: 0.388
Episode 190
              Total Reward: -13.00
                                      Epsilon: 0.386
Episode 191
              Total Reward: -12.50
                                      Epsilon: 0.384
Episode 192
              Total Reward: -12.50
                                      Epsilon: 0.382
Episode 193
              Total Reward: -26.50
                                      Epsilon: 0.380
Episode 194
              Total Reward: -16.00
                                      Epsilon: 0.378
Episode 195
              Total Reward: -10.00
                                      Epsilon: 0.376
              Total Reward: -10.50
Fnisode 196
                                      Ensilon: 0.374
Episode 197
              Total Reward: -42.50
                                      Epsilon: 0.373
Episode 198
              Total Reward: -18.00
                                      Epsilon: 0.371
Episode 199
              Total Reward: -14.50
                                      Epsilon: 0.369
              Total Reward: -10.00
Episode 200
                                      Epsilon: 0.367
              Total Reward: -22.50
Episode 201
                                      Epsilon: 0.365
Episode 202
              Total Reward: -12.00
                                      Epsilon: 0.363
Episode 203
              Total Reward: -12.50
                                      Epsilon: 0.361
Episode 204
              Total Reward: -11.50
                                      Epsilon: 0.360
Episode 205
              Total Reward: -28.00
                                      Epsilon: 0.358
                                      Epsilon: 0.356
Episode 206
              Total Reward: -37.50
Episode 207
              Total Reward: -11.50
                                      Epsilon: 0.354
              Total Reward: -10.50
Episode 208
                                      Epsilon: 0.353
Episode 209
              Total Reward: -29.50
                                      Epsilon: 0.351
              Total Reward: -14.50
Episode 210
                                      Epsilon: 0.349
Episode 211
              Total Reward: -35.50
                                      Epsilon: 0.347
Fnisode 212
              Total Reward: -10.00
                                      Ensilon: 0.346
Episode 213
              Total Reward: -23.00
                                      Epsilon: 0.344
              Total Reward: -19.50
Fnisode 214
                                      Epsilon: 0.342
Episode 215
              Total Reward: -10.00
                                      Epsilon: 0.340
              Total Reward: -19.50
Episode 216
                                      Epsilon: 0.339
Episode 217
              Total Reward: -10.00
                                      Epsilon: 0.337
              Total Reward: -10.00
                                      Epsilon: 0.335
Episode 218
Episode 219
              Total Reward: -13.50
                                      Epsilon: 0.334
Episode 220
              Total Reward: -10.50
                                      Epsilon: 0.332
Episode 221
              Total Reward: -26.00
                                      Epsilon: 0.330
Episode 222
              Total Reward: -16.00
                                      Epsilon: 0.329
Episode 223
              Total Reward: -11.00
                                      Epsilon: 0.327
Episode 224
              Total Reward: -15.00
                                      Epsilon: 0.325
Episode 225
              Total Reward: -21.00
                                      Epsilon: 0.324
Episode 226
              Total Reward: -10.00
                                      Epsilon: 0.322
              Total Reward: -22.50
Episode 227
                                      Epsilon: 0.321
Episode 228
              Total Reward: -20.00
                                      Epsilon: 0.319
Episode 229
              Total Reward: -35.00
                                      Epsilon: 0.317
Episode 230
              Total Reward: -15.50
                                      Epsilon: 0.316
Episode 231
              Total Reward: -10.50
                                      Epsilon: 0.314
Episode 232
              Total Reward: -13.00
                                      Epsilon: 0.313
Episode 233
              Total Reward: -23.00
                                      Epsilon: 0.311
              Total Reward: -11.50
Total Reward: -35.50
Episode 234
                                      Epsilon: 0.309
Episode 235
                                      Epsilon: 0.308
Episode 236
              Total Reward: -21.00
                                      Epsilon: 0.306
Episode 237
              Total Reward: -10.00 |
                                      Epsilon: 0.305
Episode 238
              Total Reward: -13.50
                                      Epsilon: 0.303
Episode 239
              Total Reward: -10.50
                                      Epsilon: 0.302
Episode 240
              Total Reward: -11.50
                                      Epsilon: 0.300
Episode 241
              Total Reward: -11.50
                                      Epsilon: 0.299
              Total Reward: -34.00
Total Reward: -13.00
Episode 242
                                      Epsilon: 0.297
Fnisode 243
                                      Ensilon: 0.296
              Total Reward: -19.00
Episode 244
                                      Epsilon: 0.294
Episode 245
              Total Reward: -10.00
                                      Epsilon: 0.293
Episode 246
              Total Reward: -30.00
                                      Epsilon: 0.291
              Total Reward: -34.00
Episode 247
                                      Epsilon: 0.290
Episode 248
              Total Reward: -26.50
                                      Epsilon: 0.288
              Total Reward: -18.50
                                      Epsilon: 0.287
Episode 249
Episode 250
              Total Reward: -42.50
                                      Epsilon: 0.286
Episode 251
              Total Reward: -17.50
                                      Epsilon: 0.284
Episode 252
              Total Reward: -16.00
                                      Epsilon: 0.283
Fnisode 253
              Total Reward: -12.00
                                      Epsilon: 0.281
Episode 254
              Total Reward: -14.00
                                      Epsilon: 0.280
              Total Reward: -29.50
Episode 255
                                      Epsilon: 0.279
Episode 256
              Total Reward: -10.00
                                      Epsilon: 0.277
              Total Reward: -12.00
                                      Epsilon: 0.276
Episode 257
Episode 258
              Total Reward: -14.50
                                      Epsilon: 0.274
              Total Reward: -30.50
                                      Epsilon: 0.273
Fnisode 259
Episode 260
              Total Reward: -11.50 |
                                      Epsilon: 0.272
              Total Reward: -17.50 | Epsilon: 0.270
Episode 261
              Total Reward: -12.50
Episode 262
                                      Epsilon: 0.269
Episode 263 | Total Reward: -11.50 | Epsilon: 0.268
```

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Episode 264 |
              Total Reward: -23.50 | Epsilon: 0.266
Episode 265
              Total Reward: -28.50 |
                                     Epsilon: 0.265
Episode 266
              Total Reward: -31.00
                                      Epsilon: 0.264
Episode 267
              Total Reward: -17.50
                                      Epsilon: 0.262
Episode 268
              Total Reward: -34.50
                                      Epsilon: 0.261
Episode 269
              Total Reward: -35.50
                                      Epsilon: 0.260
Episode 270
              Total Reward: -11.50
                                      Epsilon: 0.258
              Total Reward: -10.00
                                      Epsilon: 0.257
Episode 271
              Total Reward: -19.00
Episode 272
                                      Epsilon: 0.256
              Total Reward: -38.00 |
Episode 273
                                      Epsilon: 0.255
Episode 274
              Total Reward: -35.00
                                      Epsilon: 0.253
Episode 275
              Total Reward: -17.00
                                      Epsilon: 0.252
Episode 276
              Total Reward: -11.50
                                      Epsilon: 0.251
Episode 277
              Total Reward: -35.50
                                      Epsilon: 0.249
Episode 278
              Total Reward: -12.00
                                      Epsilon: 0.248
              Total Reward: -35.50
Episode 279
                                      Ensilon: 0.247
Episode 280
              Total Reward: -11.50
                                      Epsilon: 0.246
Episode 281
              Total Reward: -35.50
                                      Epsilon: 0.245
Episode 282
              Total Reward: -36.00
                                      Epsilon: 0.243
              Total Reward: -10.00
                                      Epsilon: 0.242
Episode 283
              Total Reward: -12.00
Episode 284
                                      Epsilon: 0.241
Episode 285
              Total Reward: -36.00
                                      Epsilon: 0.240
Episode 286
                                      Epsilon: 0.238
              Total Reward: -20.50
Episode 287
              Total Reward: -10.50
                                      Epsilon: 0.237
Episode 288
              Total Reward: -29.00
                                      Epsilon: 0.236
Episode 289
              Total Reward: -34.50
                                      Epsilon: 0.235
Episode 290
              Total Reward: -13.50
                                      Epsilon: 0.234
              Total Reward: -36.50
Episode 291
                                      Epsilon: 0.233
Episode 292
              Total Reward: -35.50
                                      Epsilon: 0.231
Episode 293
              Total Reward: -35.50
                                      Epsilon: 0.230
Episode 294
              Total Reward: -42.00
                                      Epsilon: 0.229
Fnisode 295
              Total Reward: -13.00
                                      Ensilon: 0.228
Episode 296
              Total Reward: -29.00
                                      Epsilon: 0.227
Episode 297
              Total Reward: -35.00
                                      Epsilon: 0.226
Episode 298
              Total Reward: -10.00
                                      Epsilon: 0.225
              Total Reward: -11.00
Episode 299
                                      Epsilon: 0.223
Episode 300
              Total Reward: -19.00
                                      Epsilon: 0.222
Episode 301
              Total Reward: -11.50
                                      Epsilon: 0.221
Episode 302
              Total Reward: -12.50
                                      Epsilon: 0.220
Episode 303
              Total Reward: -35.00
                                      Epsilon: 0.219
Episode 304
              Total Reward: -12.00
                                      Epsilon: 0.218
Episode 305
              Total Reward: -24.00
                                      Epsilon: 0.217
Episode 306
              Total Reward: -22.50
                                      Epsilon: 0.216
Episode 307
              Total Reward: -22.50
                                      Epsilon: 0.215
Episode 308
              Total Reward: -11.50
                                      Epsilon: 0.214
Episode 309
              Total Reward: -18.00
                                      Epsilon: 0.212
              Total Reward: -12.50
Episode 310
                                      Epsilon: 0.211
Episode 311
              Total Reward: -14.50
                                      Epsilon: 0.210
Episode 312
              Total Reward: -23.50
                                      Epsilon: 0.209
Episode 313
              Total Reward: -27.00
                                      Epsilon: 0.208
Episode 314
              Total Reward: -35.50
                                      Epsilon: 0.207
Episode 315
              Total Reward: -34.50
                                      Epsilon: 0.206
Episode 316
              Total Reward: -10.50
                                      Epsilon: 0.205
              Total Reward: -36.00
Total Reward: -36.00
Episode 317
                                      Epsilon: 0.204
Episode 318
                                      Epsilon: 0.203
Episode 319
              Total Reward: -35.50
                                      Epsilon: 0.202
Episode 320
              Total Reward: -10.00 |
                                      Epsilon: 0.201
Episode 321
              Total Reward: -35.50
                                      Epsilon: 0.200
Episode 322
              Total Reward: -35.00
                                      Epsilon: 0.199
Episode 323
              Total Reward: -10.00
                                      Epsilon: 0.198
Episode 324
              Total Reward: -12.00
                                      Epsilon: 0.197
Episode 325
              Total Reward: -38.50
                                      Epsilon: 0.196
              Total Reward: -23.50
Fnisode 326
                                      Ensilon: 0.195
Fnisode 327
              Total Reward: -10.00
                                      Epsilon: 0.194
Episode 328
              Total Reward: -12.50 |
                                      Epsilon: 0.193
Episode 329
              Total Reward: -35.50
                                      Epsilon: 0.192
              Total Reward: -11.50
Episode 330
                                      Epsilon: 0.191
Episode 331
              Total Reward: -12.00
                                      Epsilon: 0.190
                                      Epsilon: 0.189
Episode 332
              Total Reward: -35.00
Episode 333
              Total Reward: -35.50
                                      Epsilon: 0.188
Episode 334
              Total Reward: -11.50
                                      Epsilon: 0.187
              Total Reward: -36.00
Episode 335
                                      Epsilon: 0.187
Episode 336
              Total Reward: -39.50 |
                                      Epsilon: 0.186
Episode 337
              Total Reward: -11.00
                                      Epsilon: 0.185
              Total Reward: -35.50
Episode 338
                                      Epsilon: 0.184
Episode 339
              Total Reward: -35.50
                                      Epsilon: 0.183
              Total Reward: -10.00
                                      Epsilon: 0.182
Episode 340
Episode 341
              Total Reward: -35.00
                                      Epsilon: 0.181
              Total Reward: -10.50
                                      Epsilon: 0.180
Fnisode 342
Episode 343
              Total Reward: -15.50 | Epsilon: 0.179
              Total Reward: -17.50 | Epsilon: 0.178
Episode 344
              Total Reward: -36.00
Episode 345
                                      Epsilon: 0.177
Episode 346 | Total Reward: -35.50 | Epsilon: 0.177
```

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Episode 347 |
             Total Reward: -40.00 | Epsilon: 0.176
Episode 348
              Total Reward: -11.50 | Epsilon: 0.175
Fnisode 349
              Total Reward: -26.00
                                    | Epsilon: 0.174
Episode 350
              Total Reward: -36.00
                                    | Epsilon: 0.173
Episode 351
              Total Reward: -14.00 | Epsilon: 0.172
Episode 352
              Total Reward: -35.00
                                     Epsilon: 0.171
Episode 353
              Total Reward: -11.00
                                     Epsilon: 0.170
              Total Reward: -41.00
                                     Epsilon: 0.170
Episode 354
              Total Reward: -35.00 | Epsilon: 0.169
Episode 355
Episode 356
              Total Reward: -35.00 |
                                     Epsilon: 0.168
Episode 357
              Total Reward: -35.50
                                     Epsilon: 0.167
Episode 358
              Total Reward: -35.00
                                     Epsilon: 0.166
Episode 359
              Total Reward: -14.00
                                     Epsilon: 0.165
Episode 360
              Total Reward: -24.50
                                     Epsilon: 0.165
              Total Reward: -10.00
Episode 361
                                     Epsilon: 0.164
Episode 362
              Total Reward: -26.50
                                     Ensilon: 0.163
Episode 363
              Total Reward: -11.00
                                   | Epsilon: 0.162
              Total Reward: -35.50
Episode 364
                                     Epsilon: 0.161
Episode 365
              Total Reward: -35.00
                                     Epsilon: 0.160
Episode 366
              Total Reward: -14.50
                                     Epsilon: 0.160
              Total Reward: -36.00
Episode 367
                                     Epsilon: 0.159
Episode 368
              Total Reward: -36.00
                                     Epsilon: 0.158
Episode 369
                                      Epsilon: 0.157
              Total Reward: -35.00
              Total Reward: -35.50
                                     Epsilon: 0.157
Episode 370
Episode 371
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              Total Reward: -36.00
                                     Epsilon: 0.155
Episode 372
Episode 373
              Total Reward: -33.00
                                     Epsilon: 0.154
Episode 374
              Total Reward: -16.00
                                     Epsilon: 0.153
Episode 375
              Total Reward: -16.00
                                     Epsilon: 0.153
Episode 376
              Total Reward: -36.00
                                     Epsilon: 0.152
Episode 377
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                                      Epsilon: 0.151
Fnisode 378
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                                     Ensilon: 0.150
Episode 379
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Episode 380
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                                     Epsilon: 0.149
Episode 381
              Total Reward: -12.50
                                     Epsilon: 0.148
              Total Reward: -10.00
                                     Epsilon: 0.147
Episode 382
Episode 383
              Total Reward: -15.50
                                     Epsilon: 0.147
              Total Reward: -23.00
Episode 384
                                     Epsilon: 0.146
Episode 385
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                                     Epsilon: 0.145
Episode 386
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                                     Epsilon: 0.144
Episode 387
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                                     Epsilon: 0.144
Episode 388
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Episode 389
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                                     Epsilon: 0.142
Episode 391
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Episode 393
                                     Epsilon: 0.139
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                                     Epsilon: 0.139
Episode 395
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                                     Epsilon: 0.138
Episode 396
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Episode 397
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Episode 399
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                                     Epsilon: 0.135
              Total Reward: -13.00
Episode 401
                                     Epsilon: 0.134
Episode 402
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Episode 403
              Total Reward: -19.00 | Epsilon: 0.133
Episode 404
              Total Reward: -34.50
                                     Epsilon: 0.132
Episode 405
              Total Reward: -14.50
                                     Epsilon: 0.131
Episode 406
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                                   | Epsilon: 0.131
Episode 407
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Total Reward: -11.50
Episode 408
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Fnisode 409
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Episode 416
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                                    | Epsilon: 0.124
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Episode 418
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              Total Reward: -35.00 | Epsilon: 0.122
Episode 419
Episode 420
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Episode 422
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              Total Reward: -12.00 | Epsilon: 0.120
Episode 423
Episode 424
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                                    | Epsilon: 0.119
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Fnisode 425
Episode 426
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Episode 427
              Total Reward: -31.00 | Epsilon: 0.118
              Total Reward: -23.50 | Epsilon: 0.117
Episode 428
Episode 429 | Total Reward: -34.50 | Epsilon: 0.116
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Episode 432
              Total Reward: -23.50 | Epsilon: 0.115
              Total Reward: -24.50 | Epsilon: 0.114
Episode 433
Episode 434
              Total Reward: -28.50 | Epsilon: 0.114
Episode 435
              Total Reward: -18.50 | Epsilon: 0.113
Episode 436
              Total Reward: -21.00 | Epsilon: 0.112
              Total Reward: -6.00 | Epsilon: 0.112
Episode 437
              Total Reward: -19.50 | Epsilon: 0.111
Episode 438
Episode 439
              Total Reward: -6.00 | Epsilon: 0.111
Episode 440
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Episode 441
              Total Reward: -3.00 | Epsilon: 0.110
Episode 442
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Episode 443
              Total Reward: -14.50 | Epsilon: 0.109
              Total Reward: -19.50 | Epsilon: 0.108
Episode 444
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Fnisode 445
Episode 446
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              Total Reward: -19.50 | Epsilon: 0.106
Episode 447
Episode 448
              Total Reward: -18.00 | Epsilon: 0.106
Episode 449
              Total Reward: 1.50 | Epsilon: 0.105
Episode 450
              Total Reward: 0.00 | Epsilon: 0.105
Episode 451
              Total Reward: -14.50 | Epsilon: 0.104
Episode 452
              Total Reward: -14.50
                                    | Epsilon: 0.104
Episode 453
              Total Reward: -18.50 | Epsilon: 0.103
Episode 454
              Total Reward: -21.50 | Epsilon: 0.103
Episode 455
              Total Reward: 0.00 | Epsilon: 0.102
Episode 456
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              Total Reward: -11.50 | Epsilon: 0.101
Episode 457
Episode 458
              Total Reward: -11.50 | Epsilon: 0.101
Episode 459
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Episode 460
              Total Reward: -11.50
                                    | Epsilon: 0.100
Fnisode 461
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Episode 462
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Episode 463
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Episode 464
              Total Reward: -11.50
                                   | Epsilon: 0.100
              Total Reward: -11.50 | Epsilon: 0.100
Episode 465
Episode 466
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Episode 467
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                                     Epsilon: 0.100
Episode 468
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                                     Epsilon: 0.100
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Episode 495
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Episode 497
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Episode 499
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Episode 502
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Episode 507
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Episode 511
Episode 512 | Total Reward: -12.00 | Epsilon: 0.100
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              Total Reward: -3.00 | Epsilon: 0.100
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Episode 526
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Episode 530
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Episode 543
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Episode 544
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Episode 549
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Episode 577
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Episode 587
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Episode 594
Episode 595 | Total Reward: -20.00 | Epsilon: 0.100
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Episode 603
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Episode 606
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Fnisode 609
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Episode 610
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Fnisode 611
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Episode 613
Episode 614
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Episode 615
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Episode 617
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Episode 618
Episode 619
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Fnisode 659
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Episode 673
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Fnisode 674
Episode 675
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Episode 678 | Total Reward: -11.50 | Epsilon: 0.100
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Episode 687
Episode 688
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Episode 689
Episode 690
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Episode 691
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Fnisode 692
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Episode 695
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Episode 1092
Episode 1093 | Total Reward: 1.50 | Epsilon: 0.100
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Episode 1423
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Episode 1424
Episode 1425 | Total Reward: 1.50 | Epsilon: 0.100
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Episode 1769
Episode 1770
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Episode 1786
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Episode 1788
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Episode 1792
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Episode 1794
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Episode 1796
Episode 1797
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Episode 1839
Episode 1840 | Total Reward: -16.50 | Epsilon: 0.100
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Episode 1852
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Episode 1853
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Episode 1859
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Episode 1865
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Episode 1866
Episode 1867
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Episode 1868
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Episode 1871
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Fnisode 1872
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Episode 1875
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Fnisode 1884
Episode 1885
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Episode 1886
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Episode 1889
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Episode 1896
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Episode 1897
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Episode 1899
Episode 1900
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Episode 1901
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Episode 1902
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Fnisode 1904
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Episode 1905
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Episode 1906
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Episode 1907
Episode 1908
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Episode 1909
Episode 1910
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Episode 1918
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Episode 1920
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               Total Reward: 0.00 | Epsilon: 0.100
Fnisode 1921
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Episode 1927
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Episode 1930
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Episode 1934
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Fnisode 1938
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Episode 1945
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Fnisode 1953
Episode 1954
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Fnisode 1955
Episode 1956
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Episode 1964
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Episode 1966
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Episode 1968
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Episode 1970
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Episode 1978
Episode 1979
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Episode 1981
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Fnisode 1987
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Episode 1991
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Episode 2000
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Episode 2003
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Episode 2004
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Episode 2005
Episode 2006 | Total Reward: 1.50 | Epsilon: 0.100
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Enisode 2021
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Episode 2027
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Episode 2034
Episode 2035
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Episode 2081
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Frisode 2085
Episode 2086
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Episode 2087
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                Total Reward: -3.00 | Epsilon: 0.100
Episode 2088
Episode 2089 | Total Reward: 1.50 | Epsilon: 0.100
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Frisode 2093
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Episode 2095
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Episode 3831
Episode 3832 | Total Reward: -17.50 | Epsilon: 0.100
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Episode 4744
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Episode 4759
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Episode 4909
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Episode 4913 | Total Reward: -15.50 | Epsilon: 0.100
Fnisode 4914
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4915
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4916
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4917
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4918
               Total Reward: 1.50 | Epsilon: 0.100
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4919
Episode 4920
               Total Reward: -3.00 | Epsilon: 0.100
Episode 4921
               Total Reward: 1.50 | Epsilon: 0.100
               Total Reward: -11.00 | Epsilon: 0.100
Total Reward: -1.50 | Epsilon: 0.100
Episode 4922
Episode 4923
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4924
Episode 4925
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4926
               Total Reward: 1.50 | Epsilon: 0.100
               Total Reward: 1.50 | Epsilon: 0.100
Fnisode 4927
Episode 4928
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4929
               Total Reward: -11.00 | Epsilon: 0.100
Episode 4930
               Total Reward: -13.00 | Epsilon: 0.100
Episode 4931
               Total Reward: 0.00 | Epsilon: 0.100
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4932
Episode 4933
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4934
               Total Reward: 1.50
                                   | Epsilon: 0.100
Episode 4935
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4936
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4937
               Total Reward: -11.00 | Epsilon: 0.100
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4938
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4939
Episode 4940
               Total Reward: 1.50 | Epsilon: 0.100
Fnisode 4941
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4942
               Total Reward: 1.50
                                   I Epsilon: 0.100
Fnisode 4943
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4944
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4945
               Total Reward: -1.50 | Epsilon: 0.100
Episode 4946
               Total Reward: 0.00 | Epsilon: 0.100
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4947
Episode 4948
               Total Reward: -1.50 | Epsilon: 0.100
Episode 4949
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4950
               Total Reward: -1.50 | Epsilon: 0.100
Episode 4951
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4952
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4953
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4954
               Total Reward: -3.00 | Epsilon: 0.100
Episode 4955
               Total Reward: -10.00 | Epsilon: 0.100
Episode 4956
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4957
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4958
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4959
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4960
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4961
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4962
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4963
               Total Reward: -14.50 | Epsilon: 0.100
Episode 4964
               Total Reward: -1.50 | Epsilon: 0.100
               Total Reward: -4.50 | Epsilon: 0.100
Episode 4965
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4966
Episode 4967
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4968
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4969
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4970
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4971
               Total Reward: -11.00 | Epsilon: 0.100
Episode 4972
               Total Reward: 1.50 | Epsilon: 0.100
               Total Reward: -3.00 | Epsilon: 0.100
Total Reward: -10.00 | Epsilon: 0.100
Episode 4973
Fnisode 4974
               Total Reward: 1.50 | Epsilon: 0.100
Fnisode 4975
Episode 4976
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4977
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4978
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4979
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4980
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4981
               Total Reward: -15.50 | Epsilon: 0.100
               Total Reward: -4.50 | Epsilon: 0.100
Episode 4982
Episode 4983
               Total Reward: -1.50 | Epsilon: 0.100
Fnisode 4984
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4985
               Total Reward: 0.00 | Epsilon: 0.100
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4986
Episode 4987
               Total Reward: 0.00 | Epsilon: 0.100
               Total Reward: -10.00 | Epsilon: 0.100
Frisode 4988
Episode 4989
               Total Reward: 1.50 | Epsilon: 0.100
Fnisode 4990
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4991
               Total Reward: 1.50 | Epsilon: 0.100
Episode 4992
               Total Reward: 1.50 | Epsilon: 0.100
               Total Reward: 0.00 | Epsilon: 0.100
Episode 4993
Episode 4994 | Total Reward: -12.50 | Epsilon: 0.100
```

```
Episode 4995 | Total Reward: -4.50 | Epsilon: 0.100

Episode 4996 | Total Reward: 1.50 | Epsilon: 0.100

Episode 4997 | Total Reward: -1.50 | Epsilon: 0.100

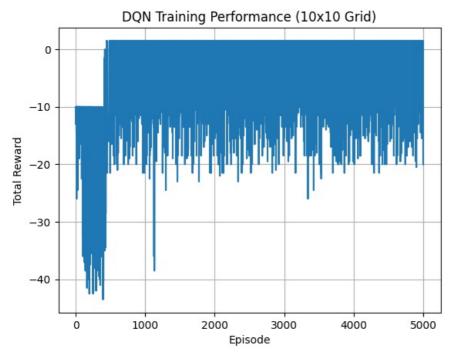
Episode 4998 | Total Reward: -1.50 | Epsilon: 0.100

Episode 4999 | Total Reward: -11.00 | Epsilon: 0.100

Episode 5000 | Total Reward: -20.00 | Epsilon: 0.100
```

Step 3: Plot the Rewards for Episodes

```
In [16]:
    plt.plot(rewards)
    plt.xlabel("Episode")
    plt.ylabel("Total Reward")
    plt.title("DQN Training Performance (10x10 Grid)")
    plt.grid(True)
    plt.show()
```



Note: We have Trained model again

Interpretations

- 1. First Phase of Learning (Episodes 0-500)
- Low and extremely unfavourable rewards are continuously given to the agent.
- Given that the agent is haphazardly exploring the surroundings and is ignorant of the best course of action, this is to be expected.
- 2. Phase of Improvement (Episodes 500-1200)
- The agent is starting to learn efficient behaviours and avoid barriers when the total reward starts to rise with fewer sharp negative spikes.
- 3. Phase of Stability (Episodes ~1200 onward)
- The agent routinely receives rewards that are nearly zero, indicating that it is either:
 - Achieving the objective with little penalty.
 - Reducing -1 step penalties by walking fewer steps.
- The less frequent significant negative dips point to sporadic investigation or failures brought on by the complexity of the environment.
- 4. Variability in Exploration (Continuous till 5000)
- Even late in training, the rare drops below -20 indicate that:
 - the agent is still exploring because of the ε-greedy policy (exploration rate epsilon).
 - Occasionally, bad pathways may result from random initialization or environment fluctuation.
- Even trained agents may occasionally exhibit inferior performance in environments with scarce rewards, such as RWARE.

Step 4: Visualizing Trained Agent

```
In [17]:
    def print_grid(state, goal, obstacles, grid_size=(10, 10)):
        grid = ""
        for i in range(grid_size[0]):
            for j in range(grid_size[1]):
            if (i, j) == state:
```

```
grid += " "
                  elif (i, j) == goal:
                      grid += " '
                  elif (i, j) in obstacles:
                     grid += " "
                  else:
                      grid += "o "
               grid += "\n"
           return grid
        def run trained agent(env, model, device, delay=0.3):
           state = env.reset()
           done = False
           path = [state]
           print(" Visualizing trained agent on 10x10 grid...\n")
           step = 1
           while not done:
               print(f"Step {step}:")
               print(print grid(state, env.goal, env.obstacles))
               time.sleep(delay)
               with torch.no grad():
                  state_tensor = torch.FloatTensor(state).unsqueeze(0).to(device)
                  action = model(state_tensor).argmax().item()
               next_state, reward, done = env.step(env.actions[action])
               state = next state
               path.append(state)
               step += 1
           print(f"Step {step}:")
           print(print_grid(state, env.goal, env.obstacles))
           print("

Agent reached the goal or terminated.\n")
           print(" Full path visited:")
           for i, p in enumerate(path):
               print(f"Step {i + 1}: {p}")
In [18]: run trained agent(env, model, device)
       Visualizing trained agent on 10x10 grid...
       Step 1:
       . . . . . . . . . .
       . . . . . . . . . .
       . . . . . . . . . . .
       . . . . . . . . . . .
       . . . . . . . . . . .
       0 0 0 0 0 0 0 0 0
       Step 2:
```

0 0 0 0 0

0 0

Step 3:

Step 4:

0	_ _	0	0	0	0	0	0	0	_ _
Ste	p	5:							
	p	6:							
_ _	p	7: 							
Ste	p	8:							
Ste	p -	9:							
_ _	P	10:							
Ste	p 	11:							

St	St	St	St	St	St	St	0
ep	ep	ep	ep	ep	ep	ep	0
18	17:	16:	15:	14:	13:	12:	0
			0				0
							0
0							0
0							0
0							0
0							0
0							

```
. . . . . . . . . . .
Step 19:
. . . . . . . . . . .
0 0 0 0 0 0 0 0
. . . . . . . . . .
Full path visited:
Step 1: (0, 0)
Step 2: (0, 1)
Step 3: (0, 2)
Step 4: (0, 3)
Step 5: (0, 4)
Step 6: (0, 5)
Step 7: (0, 6)
Step 8: (0, 7)
Step 9: (0, 8)
Step 10: (0, 9)
Step 11: (1, 9)
Step 12: (2, 9)
Step 13: (3, 9)
Step 14: (4, 9)
Step 15: (5, 9)
Step 16: (6, 9)
Step 17: (7, 9)
Step 18: (8, 9)
Step 19: (9, 9)
```

Phase 4: Deep Q-Network for Multi-Agent

Step 1: Multi-Agent RWARE- Style Environment

```
In [19]: import torch
          import torch.nn as nn
          {\color{red} \textbf{import}} \  \, \text{torch.optim} \  \, {\color{red} \textbf{as}} \  \, \text{optim}
          import random
          import numpy as np
          from collections import deque
          import matplotlib.pyplot as plt
          from IPython.display import clear_output
          import time
          # Multi-Agent RWARE-style Environment
          # -----
          class MultiAgentWarehouse:
              def __init__(self, grid_size=(10, 10), goal=(9, 9), obstacles=None, n_agents=2):
                  self.grid_size = grid_size
                  self.goal = goal
                  self.start_positions = [(0, 0 + i) \text{ for } i \text{ in } range(n_agents)]
                  self.positions = list(self.start_positions)
                  self.n_agents = n_agents
                  self.actions = ['up', 'down', 'left', 'right']
                  self.obstacles = obstacles if obstacles else []
              def reset(self):
                  self.positions = list(self.start positions)
                  return list(self.positions)
              def manhattan(self, p1, p2):
                  return abs(p1[0] - p2[0]) + abs(p1[1] - p2[1])
              def step(self, actions):
                  rewards, dones, next_states = [], [], []
                  for idx, (pos, action) in enumerate(zip(self.positions, actions)):
                       x, y = pos
                      old distance = self.manhattan(pos, self.goal)
                       if action == 'up': x -= 1
```

```
elif action == 'down': x += 1
    elif action == 'left': y -= 1
    elif action == 'right': y += 1
    new_pos = (x, y)
    if not (0 <= x < self.grid_size[0] and 0 <= y < self.grid_size[1]) or new_pos in self.obstacles:</pre>
        rewards.append(-10)
        dones.append(True)
        next_states.append(pos)
        continue
    if new_pos == self.goal:
        rewards.append(10)
        dones.append(True)
        next states.append(new pos)
        continue
   new_distance = self.manhattan(new_pos, self.goal)
    reward = -1
   if new_distance < old_distance:</pre>
        reward += 0.5
    rewards.append(reward)
    dones.append(False)
   next states.append(new pos)
self.positions = next states
return next_states, rewards, dones
```

Step 2: DQN Model for Multiple agents

Step 3: Replay Buffer For Multiple agents

Step 4 : Multi-Agent DQN Training

```
# Multi-Agent DQN Training
# 
def train_multi_agent_dqn(n_agents=2, episodes=5000, grid_size=(10, 10), goal=(9, 9), obstacles=None):
    env = MultiAgentWarehouse(grid_size=grid_size, goal=goal, obstacles=obstacles, n_agents=n_agents)
    device = torch.device("cpu")

models = [DQN().to(device) for _ in range(n_agents)]
    target_models = [DQN().to(device) for _ in range(n_agents)]
    for t, m in zip(target_models, models):
        t.load_state_dict(m.state_dict())

optimizers = [optim.Adam(model.parameters(), lr=0.001) for model in models]
    loss_fn = nn.MSELoss()
    buffers = [ReplayBuffer() for _ in range(n_agents)]

batch_size = 32
```

```
gamma = 0.95
             epsilon = 1.0
             epsilon decay = 0.995
             min_epsilon = 0.1
             target_update = 10
             max steps = 50
             rewards_per_agent = [[] for _ in range(n_agents)]
             for ep in range(episodes):
                 states = env.reset()
                 done_flags = [False] * n_agents
                 total_rewards = [0] * n_agents
                 steps = 0
                 while not all(done flags) and steps < max steps:</pre>
                     actions = []
                     for i in range(n_agents):
                         if done flags[i]:
                             actions.append(0)
                         else:
                             state_tensor = torch.FloatTensor(states[i]).unsqueeze(0).to(device)
                             if random.random() < epsilon:</pre>
                                  actions.append(random.randint(0, 3))
                                 actions.append(models[i](state_tensor).argmax().item())
                     next_states, rewards, dones = env.step([env.actions[a] for a in actions])
                     for i in range(n_agents):
                         if not done_flags[i]:
                             buffers[i].push(states[i], actions[i], rewards[i], next_states[i], dones[i])
                             total_rewards[i] += rewards[i]
                             done_flags[i] = dones[i]
                     states = next_states
                     steps += 1
                     for i in range(n_agents):
                         if len(buffers[i]) >= batch size:
                             s, a, r, ns, d = buffers[i].sample(batch_size)
                             s = torch.FloatTensor(s).to(device)
                             ns = torch.FloatTensor(ns).to(device)
                             a = torch.LongTensor(a).unsqueeze(1).to(device)
                             r = torch.FloatTensor(r).unsqueeze(1).to(device)
                             d = torch.FloatTensor(d).unsqueeze(1).to(device)
                             q_vals = models[i](s).gather(1, a)
                             max_next_q = target_models[i](ns).max(1)[0].unsqueeze(1).detach()
                             target = r + gamma * max_next_q * (1 - d)
                             loss = loss_fn(q_vals, target)
                             optimizers[i].zero_grad()
                             loss.backward()
                             optimizers[i].step()
                 for i in range(n_agents):
                     rewards_per_agent[i].append(total_rewards[i])
                 epsilon = max(min epsilon, epsilon * epsilon decay)
                 if ep % target update == 0:
                     for t, m in zip(target models, models):
                         t.load state dict(m.state dict())
                 print(f"Episode {ep+1}")
                 for i in range(n_agents):
                     print(f" Agent {i} | Total Reward: {total_rewards[i]:.2f} | Epsilon: {epsilon:.3f}")
             return models, rewards per agent
In [23]: models, rewards = train multi agent dqn(n agents=2, episodes=5000)
        Episode 1
          Agent 0 | Total Reward: -10.00 | Epsilon: 0.995
          Agent 1 | Total Reward: -16.50 | Epsilon: 0.995
        Episode 2
          Agent 0 | Total Reward: -14.50 | Epsilon: 0.990
          Agent 1 | Total Reward: -10.00 | Epsilon: 0.990
        Episode 3
          Agent 0 | Total Reward: -10.50 | Epsilon: 0.985
          Agent 1 | Total Reward: -12.00 | Epsilon: 0.985
        Episode 4
```

```
Agent 0 | Total Reward: -10.00 | Epsilon: 0.980
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.980
Episode 5
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.975
  Agent 1 | Total Reward: -30.50 | Epsilon: 0.975
Episode 6
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.970
  Agent 1 | Total Reward: -13.00 | Epsilon: 0.970
Episode 7
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.966
  Agent 1 | Total Reward: -13.00 | Epsilon: 0.966
Episode 8
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.961
  Agent 1 | Total Reward: -12.50 | Epsilon: 0.961
Episode 9
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.956
 Agent 1 | Total Reward: -13.50 | Epsilon: 0.956
Episode 10
 Agent 0 | Total Reward: -20.00 | Epsilon: 0.951
 Agent 1 | Total Reward: -10.50 | Epsilon: 0.951
Episode 11
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.946
  Agent 1 | Total Reward: -24.50 | Epsilon: 0.946
Episode 12
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.942
 Agent 1 | Total Reward: -12.00 | Epsilon: 0.942
Episode 13
 Agent 0 | Total Reward: -13.00 | Epsilon: 0.937
 Agent 1 | Total Reward: -20.50 | Epsilon: 0.937
Episode 14
  Agent 0 | Total Reward: -12.00 | Epsilon: 0.932
 Agent 1 | Total Reward: -19.00 | Epsilon: 0.932
Episode 15
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.928
  Agent 1 | Total Reward: -11.00 | Epsilon: 0.928
Episode 16
 Agent 0 | Total Reward: -13.00 | Epsilon: 0.923
  Agent 1 | Total Reward: -12.00 | Epsilon: 0.923
Episode 17
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.918
  Agent 1 | Total Reward: -11.50 | Epsilon: 0.918
Episode 18
 Agent 0 | Total Reward: -15.00 | Epsilon: 0.914
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.914
Episode 19
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.909
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.909
Episode 20
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.905
 Agent 1 | Total Reward: -11.00 | Epsilon: 0.905
Episode 21
 Agent 0 | Total Reward: -31.00 | Epsilon: 0.900
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.900
Episode 22
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.896
  Agent 1 | Total Reward: -21.50 | Epsilon: 0.896
Episode 23
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.891 Agent 1 | Total Reward: -35.00 | Epsilon: 0.891
Episode 24
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.887
  Agent 1 | Total Reward: -29.00 | Epsilon: 0.887
Episode 25
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.882
 Agent 1 | Total Reward: -11.00 | Epsilon: 0.882
Episode 26
  Agent 0 | Total Reward: -14.50 | Epsilon: 0.878
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.878
Episode 27
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.873
  Agent 1 | Total Reward: -15.00 | Epsilon: 0.873
Episode 28
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.869
 Agent 1 | Total Reward: -13.00 | Epsilon: 0.869
Episode 29
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.865
 Agent 1 | Total Reward: -11.00 | Epsilon: 0.865
Episode 30
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.860
  Agent 1 | Total Reward: -12.00 | Epsilon: 0.860
Episode 31
  Agent 0 | Total Reward: -15.00 | Epsilon: 0.856
  Agent 1 | Total Reward: -11.00 | Epsilon: 0.856
```

```
Episode 32
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.852
  Agent 1 | Total Reward: -27.00 | Epsilon: 0.852
Episode 33
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.848
  Agent 1 | Total Reward: -13.00 | Epsilon: 0.848
Episode 34
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.843
  Agent 1 | Total Reward: -35.50 | Epsilon: 0.843
Episode 35
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.839
  Agent 1 | Total Reward: -12.50 | Epsilon: 0.839
Episode 36
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.835
  Agent 1 | Total Reward: -11.00 | Epsilon: 0.835
Frisode 37
  Agent 0 | Total Reward: -23.00 | Epsilon: 0.831
 Agent 1 | Total Reward: -25.50 | Epsilon: 0.831
Episode 38
 Agent 0 | Total Reward: -14.00 | Epsilon: 0.827
 Agent 1 | Total Reward: -11.00 | Epsilon: 0.827
Episode 39
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.822
  Agent 1 | Total Reward: -35.50 | Epsilon: 0.822
Episode 40
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.818
  Agent 1 | Total Reward: -30.00 | Epsilon: 0.818
Episode 41
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.814
  Agent 1 | Total Reward: -26.00 | Epsilon: 0.814
Episode 42
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.810
  Agent 1 | Total Reward: -22.50 | Epsilon: 0.810
Fnisode 43
  Agent 0 | Total Reward: -18.00 | Epsilon: 0.806
 Agent 1 | Total Reward: -11.50 | Epsilon: 0.806
Episode 44
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.802
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.802
Episode 45
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.798
 Agent 1 | Total Reward: -23.50 | Epsilon: 0.798
Episode 46
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.794
  Agent 1 | Total Reward: -11.00 | Epsilon: 0.794
Episode 47
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.790
 Agent 1 | Total Reward: -11.00 | Epsilon: 0.790
Episode 48
 Agent 0 | Total Reward: -11.00 | Epsilon: 0.786
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.786
Episode 49
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.782
  Agent 1 | Total Reward: -37.50 | Epsilon: 0.782
Episode 50
  Agent 0 | Total Reward: -38.50 | Epsilon: 0.778
 Agent 1 | Total Reward: -11.50 | Epsilon: 0.778
Episode 51
  Agent 0 | Total Reward: -36.00 | Epsilon: 0.774
 Agent 1 | Total Reward: -10.50 | Epsilon: 0.774
Episode 52
  Agent 0 | Total Reward: -21.00 | Epsilon: 0.771
  Agent 1 | Total Reward: -34.50 | Epsilon: 0.771
Enisode 53
  Agent 0 | Total Reward: -16.50 | Epsilon: 0.767
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.767
Episode 54
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.763
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.763
Episode 55
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.759
  Agent 1 | Total Reward: -30.50 | Epsilon: 0.759
Episode 56
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.755
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.755
Episode 57
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.751
  Agent 1 | Total Reward: -23.00 | Epsilon: 0.751
Frisode 58
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.748
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.748
Episode 59
  Agent 0 | Total Reward: -29.00 | Epsilon: 0.744
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Agent 1 | Total Reward: -29.50 | Epsilon: 0.744
Episode 60
 Agent 0 | Total Reward: -13.00 | Epsilon: 0.740 Agent 1 | Total Reward: -10.50 | Epsilon: 0.740
Episode 61
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.737
  Agent 1 | Total Reward: -29.00 | Epsilon: 0.737
Episode 62
  Agent 0 | Total Reward: -38.00 | Epsilon: 0.733
  Agent 1 | Total Reward: -35.50 | Epsilon: 0.733
Episode 63
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.729
 Agent 1 | Total Reward: -37.00 | Epsilon: 0.729
Episode 64
  Agent 0 | Total Reward: -35.50 | Epsilon: 0.726
 Agent 1 | Total Reward: -20.00 | Epsilon: 0.726
Episode 65
 Agent 0 | Total Reward: -17.50 | Epsilon: 0.722
 Agent 1 | Total Reward: -12.50 | Epsilon: 0.722
Episode 66
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.718
  Agent 1 | Total Reward: -36.00 | Epsilon: 0.718
Episode 67
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.715
  Agent 1 | Total Reward: -28.00 | Epsilon: 0.715
Episode 68
 Agent 0 | Total Reward: -11.50 | Epsilon: 0.711
 Agent 1 | Total Reward: -19.00 | Epsilon: 0.711
Episode 69
 Agent 0 | Total Reward: -40.00 | Epsilon: 0.708
  Agent 1 | Total Reward: -35.00 | Epsilon: 0.708
Frisode 70
  Agent 0 | Total Reward: -12.00 | Epsilon: 0.704
 Agent 1 | Total Reward: -14.50 | Epsilon: 0.704
Episode 71
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.701
  Agent 1 | Total Reward: -11.00 | Epsilon: 0.701
Episode 72
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.697
  Agent 1 | Total Reward: -16.00 | Epsilon: 0.697
Episode 73
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.694
  Agent 1 | Total Reward: -36.00 | Epsilon: 0.694
Fnisode 74
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.690
  Agent 1 | Total Reward: -34.50 | Epsilon: 0.690
Episode 75
  Agent 0 | Total Reward: -35.50 | Epsilon: 0.687
 Agent 1 | Total Reward: -35.00 | Epsilon: 0.687
Episode 76
  Agent 0 | Total Reward: -30.50 | Epsilon: 0.683
  Agent 1 | Total Reward: -35.50 | Epsilon: 0.683
Episode 77
  Agent 0 | Total Reward: -41.50 | Epsilon: 0.680
  Agent 1 | Total Reward: -35.00 | Epsilon: 0.680
Episode 78
  Agent 0 | Total Reward: -35.00 | Epsilon: 0.676
 Agent 1 | Total Reward: -35.00 | Epsilon: 0.676
Episode 79
 Agent 0 | Total Reward: -35.00 | Epsilon: 0.673
  Agent 1 | Total Reward: -34.00 | Epsilon: 0.673
Episode 80
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.670
 Agent 1 | Total Reward: -13.50 | Epsilon: 0.670
Episode 81
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.666
  Agent 1 | Total Reward: -11.50 | Epsilon: 0.666
Episode 82
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.663
  Agent 1 | Total Reward: -11.00 | Epsilon: 0.663
Episode 83
  Agent 0 | Total Reward: -34.50 | Epsilon: 0.660
 Agent 1 | Total Reward: -31.50 | Epsilon: 0.660
Episode 84
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.656
 Agent 1 | Total Reward: -11.50 | Epsilon: 0.656
Episode 85
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.653
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.653
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.650
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.650
Episode 87
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Agent 0 | Total Reward: -34.50 | Epsilon: 0.647
  Agent 1 | Total Reward: -12.00 | Epsilon: 0.647
Episode 88
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.643
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.643
Episode 89
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.640
  Agent 1 | Total Reward: -11.00 | Epsilon: 0.640
Episode 90
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.637
  Agent 1 | Total Reward: -20.50 | Epsilon: 0.637
Episode 91
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.634
  Agent 1 | Total Reward: -33.00 | Epsilon: 0.634
Episode 92
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.631
 Agent 1 | Total Reward: -11.00 | Epsilon: 0.631
Episode 93
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.627
 Agent 1 | Total Reward: -34.00 | Epsilon: 0.627
Episode 94
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.624
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.624
Episode 95
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.621
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.621
Episode 96
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.618
  Agent 1 | Total Reward: -12.00 | Epsilon: 0.618
Episode 97
  Agent 0 | Total Reward: -35.50 | Epsilon: 0.615
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.615
Episode 98
 Agent 0 | Total Reward: -34.50 | Epsilon: 0.612
  Agent 1 | Total Reward: -11.00 | Epsilon: 0.612
Episode 99
 Agent 0 | Total Reward: -35.50 | Epsilon: 0.609
  Agent 1 | Total Reward: -40.50 | Epsilon: 0.609
Episode 100
  Agent 0 | Total Reward: -34.50 | Epsilon: 0.606
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.606
Episode 101
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.603
 Agent 1 | Total Reward: -29.00 | Epsilon: 0.603
Episode 102
  Agent 0 | Total Reward: -34.50 | Epsilon: 0.600
  Agent 1 | Total Reward: -29.50 | Epsilon: 0.600
Episode 103
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.597
 Agent 1 | Total Reward: -31.00 | Epsilon: 0.597
Episode 104
 Agent 0 | Total Reward: -35.00 | Epsilon: 0.594
  Agent 1 | Total Reward: -21.00 | Epsilon: 0.594
Episode 105
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.591
  Agent 1 | Total Reward: -11.00 | Epsilon: 0.591
Episode 106
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.588
Agent 1 | Total Reward: -34.50 | Epsilon: 0.588
Episode 107
 Agent 0 | Total Reward: -36.00 | Epsilon: 0.585
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.585
Episode 108
  Agent 0 | Total Reward: -27.50 | Epsilon: 0.582
 Agent 1 | Total Reward: -15.50 | Epsilon: 0.582
Episode 109
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.579
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.579
Episode 110
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.576
  Agent 1 | Total Reward: -19.00 | Epsilon: 0.576
Episode 111
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.573
 Agent 1 | Total Reward: -20.50 | Epsilon: 0.573
Episode 112
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.570
  Agent 1 | Total Reward: -35.00 | Epsilon: 0.570
Episode 113
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.568
  Agent 1 | Total Reward: -11.50 | Epsilon: 0.568
Episode 114
  Agent 0 | Total Reward: -34.50 | Epsilon: 0.565
  Agent 1 | Total Reward: -11.50 | Epsilon: 0.565
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Episode 115
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.562
  Agent 1 | Total Reward: -13.00 | Epsilon: 0.562
Episode 116
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.559
  Agent 1 | Total Reward: -22.00 | Epsilon: 0.559
Episode 117
  Agent 0 | Total Reward: -38.50 | Epsilon: 0.556
  Agent 1 | Total Reward: -15.00 | Epsilon: 0.556
Episode 118
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.554
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.554
Episode 119
  Agent 0 | Total Reward: -34.00 | Epsilon: 0.551
  Agent 1 | Total Reward: -37.50 | Epsilon: 0.551
Frisode 120
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.548
 Agent 1 | Total Reward: -41.00 | Epsilon: 0.548
Episode 121
  Agent 0 | Total Reward: -21.00 | Epsilon: 0.545
  Agent 1 | Total Reward: -33.50 | Epsilon: 0.545
Episode 122
  Agent 0 | Total Reward: -37.50 | Epsilon: 0.543
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.543
Episode 123
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.540
  Agent 1 | Total Reward: -8.50 | Epsilon: 0.540
Episode 124
 Agent 0 | Total Reward: -11.50 | Epsilon: 0.537
  Agent 1 | Total Reward: -24.00 | Epsilon: 0.537
Episode 125
  Agent 0 | Total Reward: -35.50 | Epsilon: 0.534
  Agent 1 | Total Reward: -22.50 | Epsilon: 0.534
Fnisode 126
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.532
  Agent 1 | Total Reward: -35.50 | Epsilon: 0.532
Episode 127
  Agent 0 | Total Reward: -35.50 | Epsilon: 0.529
  Agent 1 | Total Reward: -36.00 | Epsilon: 0.529
Episode 128
  Agent 0 | Total Reward: -20.50 | Epsilon: 0.526
  Agent 1 | Total Reward: -31.50 | Epsilon: 0.526
Episode 129
 Agent 0 | Total Reward: -14.00 | Epsilon: 0.524
  Agent 1 | Total Reward: -17.00 | Epsilon: 0.524
Episode 130
  Agent 0 | Total Reward: -36.50 | Epsilon: 0.521
 Agent 1 | Total Reward: -34.00 | Epsilon: 0.521
Episode 131
 Agent 0 | Total Reward: -12.50 | Epsilon: 0.519
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.519
Episode 132
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.516
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.516
Episode 133
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.513
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.513
Episode 134
  Agent 0 | Total Reward: -12.50 | Epsilon: 0.511
 Agent 1 | Total Reward: -8.50 | Epsilon: 0.511
Episode 135
  Agent 0 | Total Reward: -36.50 | Epsilon: 0.508
  Agent 1 | Total Reward: -7.00 | Epsilon: 0.508
Fnisode 136
  Agent 0 | Total Reward: -16.50 | Epsilon: 0.506
  Agent 1 | Total Reward: -21.00 | Epsilon: 0.506
Episode 137
 Agent 0 | Total Reward: -15.00 | Epsilon: 0.503
  Agent 1 | Total Reward: -27.00 | Epsilon: 0.503
Episode 138
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.501
  Agent 1 | Total Reward: -11.00 | Epsilon: 0.501
Episode 139
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.498
 Agent 1 | Total Reward: -7.00 | Epsilon: 0.498
Episode 140
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.496
  Agent 1 | Total Reward: -8.50 | Epsilon: 0.496
Episode 141
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.493
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.493
Episode 142
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.491
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Agent 1 | Total Reward: -12.00 | Epsilon: 0.491
Episode 143
 Agent 0 | Total Reward: -21.00 | Epsilon: 0.488 Agent 1 | Total Reward: -7.00 | Epsilon: 0.488
Episode 144
  Agent 0 | Total Reward: -35.50 | Epsilon: 0.486
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.486
Episode 145
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.483
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.483
Episode 146
  Agent 0 | Total Reward: -34.50 | Epsilon: 0.481
 Agent 1 | Total Reward: -14.50 | Epsilon: 0.481
Episode 147
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.479
 Agent 1 | Total Reward: -11.00 | Epsilon: 0.479
Episode 148
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.476
 Agent 1 | Total Reward: -11.00 | Epsilon: 0.476
Episode 149
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.474
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.474
Episode 150
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.471
  Agent 1 | Total Reward: -28.50 | Epsilon: 0.471
Episode 151
 Agent 0 | Total Reward: -11.50 | Epsilon: 0.469
 Agent 1 | Total Reward: -11.50 | Epsilon: 0.469
Episode 152
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.467
  Agent 1 | Total Reward: -12.50 | Epsilon: 0.467
Frisode 153
  Agent 0 | Total Reward: -36.00 | Epsilon: 0.464
 Agent 1 | Total Reward: -13.00 | Epsilon: 0.464
Episode 154
 Agent 0 | Total Reward: -39.00 | Epsilon: 0.462
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.462
Episode 155
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.460
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.460
Episode 156
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.458
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.458
Frisode 157
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.455
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.455
Episode 158
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.453
 Agent 1 | Total Reward: -8.50 | Epsilon: 0.453
Episode 159
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.451
  Agent 1 | Total Reward: -28.00 | Epsilon: 0.451
Episode 160
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.448
  Agent 1 | Total Reward: -8.50 | Epsilon: 0.448
Episode 161
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.446
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.446
Episode 162
 Agent 0 | Total Reward: -21.00 | Epsilon: 0.444
  Agent 1 | Total Reward: -14.50 | Epsilon: 0.444
Episode 163
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.442
 Agent 1 | Total Reward: -25.50 | Epsilon: 0.442
Episode 164
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.440
  Agent 1 | Total Reward: -8.50 | Epsilon: 0.440
Episode 165
  Agent 0 | Total Reward: -34.50 | Epsilon: 0.437
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.437
Episode 166
  Agent 0 | Total Reward: -34.00 | Epsilon: 0.435
 Agent 1 | Total Reward: -14.50 | Epsilon: 0.435
Episode 167
 Agent 0 | Total Reward: -13.50 | Epsilon: 0.433
 Agent 1 | Total Reward: -28.00 | Epsilon: 0.433
Episode 168
  Agent 0 | Total Reward: -7.50 | Epsilon: 0.431
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.431
Episode 169
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.429
  Agent 1 | Total Reward: -22.00 | Epsilon: 0.429
Episode 170
```

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Agent 0 | Total Reward: -25.50 | Epsilon: 0.427
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.427
Episode 171
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.424
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.424
Episode 172
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.422
  Agent 1 | Total Reward: -22.00 | Epsilon: 0.422
Episode 173
  Agent 0 | Total Reward: -28.50 | Epsilon: 0.420
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.420
Episode 174
 Agent 0 | Total Reward: -25.00 | Epsilon: 0.418
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.418
Episode 175
  Agent 0 | Total Reward: -12.00 | Epsilon: 0.416
 Agent 1 | Total Reward: -11.00 | Epsilon: 0.416
Episode 176
 Agent 0 | Total Reward: -12.50 | Epsilon: 0.414
 Agent 1 | Total Reward: -10.50 | Epsilon: 0.414
Episode 177
  Agent 0 | Total Reward: -15.50 | Epsilon: 0.412
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.412
Episode 178
  Agent 0 | Total Reward: -28.50 | Epsilon: 0.410
  Agent 1 | Total Reward: -16.50 | Epsilon: 0.410
Episode 179
 Agent 0 | Total Reward: -21.00 | Epsilon: 0.408
  Agent 1 | Total Reward: -11.50 | Epsilon: 0.408
Episode 180
  Agent 0 | Total Reward: -29.00 | Epsilon: 0.406
  Agent 1 | Total Reward: -16.00 | Epsilon: 0.406
Episode 181
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.404
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.404
Episode 182
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.402
  Agent 1 | Total Reward: -13.00 | Epsilon: 0.402
Episode 183
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.400
  Agent 1 | Total Reward: -13.00 | Epsilon: 0.400
Episode 184
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.398
 Agent 1 | Total Reward: -14.00 | Epsilon: 0.398
Episode 185
  Agent 0 | Total Reward: -33.50 | Epsilon: 0.396
  Agent 1 | Total Reward: -24.00 | Epsilon: 0.396
Episode 186
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.394
 Agent 1 | Total Reward: -10.50 | Epsilon: 0.394
Episode 187
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.392
  Agent 1 | Total Reward: -5.50 | Epsilon: 0.392
Episode 188
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.390
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.390
Episode 189
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.388 Agent 1 | Total Reward: -13.50 | Epsilon: 0.388
Episode 190
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.386
  Agent 1 | Total Reward: -12.50 | Epsilon: 0.386
Episode 191
  Agent 0 | Total Reward: -21.00 | Epsilon: 0.384
 Agent 1 | Total Reward: -11.50 | Epsilon: 0.384
Episode 192
  Agent 0 | Total Reward: -24.50 | Epsilon: 0.382
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.382
Episode 193
  Agent 0 | Total Reward: -25.50 | Epsilon: 0.380
  Agent 1 | Total Reward: -22.50 | Epsilon: 0.380
Episode 194
  Agent 0 | Total Reward: -40.50 | Epsilon: 0.378
 Agent 1 | Total Reward: -24.00 | Epsilon: 0.378
Episode 195
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.376
  Agent 1 | Total Reward: -18.50 | Epsilon: 0.376
Episode 196
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.374
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.374
Episode 197
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.373
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.373
```

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Episode 198
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.371
  Agent 1 | Total Reward: -12.50 | Epsilon: 0.371
Episode 199
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.369
  Agent 1 | Total Reward: -11.00 | Epsilon: 0.369
Episode 200
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.367
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.367
Episode 201
  Agent 0 | Total Reward: -26.00 | Epsilon: 0.365
  Agent 1 | Total Reward: -7.00 | Epsilon: 0.365
Episode 202
  Agent 0 | Total Reward: -12.50 | Epsilon: 0.363
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.363
Frisode 203
  Agent 0 | Total Reward: -21.50 | Epsilon: 0.361
 Agent 1 | Total Reward: -16.00 | Epsilon: 0.361
Episode 204
 Agent 0 | Total Reward: -20.00 | Epsilon: 0.360
 Agent 1 | Total Reward: -11.00 | Epsilon: 0.360
Episode 205
  Agent 0 | Total Reward: -23.50 | Epsilon: 0.358
  Agent 1 | Total Reward: -14.50 | Epsilon: 0.358
Episode 206
  Agent 0 | Total Reward: -23.00 | Epsilon: 0.356
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.356
Episode 207
 Agent 0 | Total Reward: -19.50 | Epsilon: 0.354
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.354
Episode 208
  Agent 0 | Total Reward: -22.00 | Epsilon: 0.353
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.353
Fnisode 209
  Agent 0 | Total Reward: -18.00 | Epsilon: 0.351
 Agent 1 | Total Reward: -7.00 | Epsilon: 0.351
Episode 210
  Agent 0 | Total Reward: -21.00 | Epsilon: 0.349
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.349
Episode 211
  Agent 0 | Total Reward: -19.00 | Epsilon: 0.347
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.347
Episode 212
 Agent 0 | Total Reward: -22.00 | Epsilon: 0.346
  Agent 1 | Total Reward: -11.00 | Epsilon: 0.346
Episode 213
  Agent 0 | Total Reward: -7.50 | Epsilon: 0.344
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.344
Episode 214
 Agent 0 | Total Reward: -20.00 | Epsilon: 0.342
  Agent 1 | Total Reward: -12.00 | Epsilon: 0.342
Episode 215
  Agent 0 | Total Reward: -32.00 | Epsilon: 0.340
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.340
Episode 216
  Agent 0 | Total Reward: -7.50 | Epsilon: 0.339
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.339
Episode 217
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.337
 Agent 1 | Total Reward: -13.00 | Epsilon: 0.337
Episode 218
  Agent 0 | Total Reward: -9.00 | Epsilon: 0.335
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.335
Fnisode 219
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.334
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.334
Episode 220
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.332
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.332
Episode 221
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.330
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.330
Episode 222
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.329
 Agent 1 | Total Reward: -28.50 | Epsilon: 0.329
Episode 223
 Agent 0 | Total Reward: -9.00 | Epsilon: 0.327
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.327
Episode 224
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.325
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.325
Episode 225
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.324
```

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Agent 1 | Total Reward: -12.50 | Epsilon: 0.324
Episode 226
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.322 Agent 1 | Total Reward: -10.00 | Epsilon: 0.322
Episode 227
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.321
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.321
Episode 228
  Agent 0 | Total Reward: -27.50 | Epsilon: 0.319
 Agent 1 | Total Reward: -4.00 | Epsilon: 0.319
Episode 229
  Agent 0 | Total Reward: -13.50 | Epsilon: 0.317
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.317
Episode 230
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.316
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.316
Episode 231
 Agent 0 | Total Reward: -7.50 | Epsilon: 0.314
 Agent 1 | Total Reward: -5.50 | Epsilon: 0.314
Episode 232
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.313
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.313
Episode 233
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.311
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.311
Episode 234
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.309
 Agent 1 | Total Reward: -28.50 | Epsilon: 0.309
Episode 235
  Agent 0 | Total Reward: -23.00 | Epsilon: 0.308
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.308
Frisode 236
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.306
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.306
Episode 237
 Agent 0 | Total Reward: -7.50 | Epsilon: 0.305
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.305
Episode 238
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.303
  Agent 1 | Total Reward: -5.50 | Epsilon: 0.303
Episode 239
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.302
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.302
Fnisode 240
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.300
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.300
Episode 241
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.299
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.299
Episode 242
  Agent 0 | Total Reward: -13.50 | Epsilon: 0.297
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.297
Episode 243
 Agent 0 | Total Reward: -18.50 | Epsilon: 0.296
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.296
Episode 244
  Agent 0 | Total Reward: -14.50 | Epsilon: 0.294
 Agent 1 | Total Reward: -5.50 | Epsilon: 0.294
Episode 245
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.293
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.293
Episode 246
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.291
 Agent 1 | Total Reward: -4.00 | Epsilon: 0.291
Episode 247
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.290
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.290
Episode 248
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.288
  Agent 1 | Total Reward: -5.50 | Epsilon: 0.288
Episode 249
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.287
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.287
Episode 250
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.286
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.286
Episode 251
  Agent 0 | Total Reward: -24.50 | Epsilon: 0.284
  Agent 1 | Total Reward: -7.00 | Epsilon: 0.284
Episode 252
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.283
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.283
Episode 253
```

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Agent 0 | Total Reward: -3.00 | Epsilon: 0.281
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.281
Episode 254
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.280
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.280
Episode 255
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.279
  Agent 1 | Total Reward: -12.50 | Epsilon: 0.279
Episode 256
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.277
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.277
Episode 257
 Agent 0 | Total Reward: -11.00 | Epsilon: 0.276
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.276
Episode 258
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.274
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.274
Episode 259
 Agent 0 | Total Reward: -7.50 | Epsilon: 0.273
 Agent 1 | Total Reward: -5.50 | Epsilon: 0.273
Episode 260
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.272
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.272
Episode 261
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.270
 Agent 1 | Total Reward: -19.50 | Epsilon: 0.270
Episode 262
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.269
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.269
Episode 263
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.268
 Agent 1 | Total Reward: -7.00 | Epsilon: 0.268
Episode 264
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.266
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.266
Episode 265
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.265
  Agent 1 | Total Reward: -5.50 | Epsilon: 0.265
Episode 266
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.264
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.264
Episode 267
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.262
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.262
Episode 268
 Agent 0 | Total Reward: -7.50 | Epsilon: 0.261
  Agent 1 | Total Reward: -5.50 | Epsilon: 0.261
Episode 269
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.260
 Agent 1 | Total Reward: -5.50 | Epsilon: 0.260
Episode 270
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.258
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.258
Episode 271
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.257
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.257
Episode 272
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.256
  Agent 1 | Total Reward: -25.50 | Epsilon: 0.256
Episode 273
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.255
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.255
Episode 274
  Agent 0 | Total Reward: -23.00 | Epsilon: 0.253
 Agent 1 | Total Reward: -5.50 | Epsilon: 0.253
Episode 275
  Agent 0 | Total Reward: -23.00 | Epsilon: 0.252
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.252
Episode 276
  Agent 0 | Total Reward: -6.00 | Epsilon: 0.251
  Agent 1 | Total Reward: -16.00 | Epsilon: 0.251
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.249
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.249
Episode 278
 Agent 0 | Total Reward: -24.50 | Epsilon: 0.248
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.248
Episode 279
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.247
  Agent 1 | Total Reward: -24.00 | Epsilon: 0.247
Episode 280
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.246
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.246
```

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Episode 281
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.245
 Agent 1 | Total Reward: -22.50 | Epsilon: 0.245
Episode 282
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.243
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.243
Episode 283
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.242
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.242
Episode 284
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.241
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.241
Episode 285
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.240
  Agent 1 | Total Reward: -21.00 | Epsilon: 0.240
Frisode 286
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.238
 Agent 1 | Total Reward: -11.50 | Epsilon: 0.238
Episode 287
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.237
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.237
Episode 288
  Agent 0 | Total Reward: -24.00 | Epsilon: 0.236
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.236
Episode 289
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.235
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.235
Episode 290
 Agent 0 | Total Reward: -21.50 | Epsilon: 0.234
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.234
Episode 291
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.233
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.233
Fnisode 292
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.231
 Agent 1 | Total Reward: -11.00 | Epsilon: 0.231
Episode 293
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.230
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.230
Episode 294
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.229
 Agent 1 | Total Reward: -4.00 | Epsilon: 0.229
Episode 295
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.228
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.228
Episode 296
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.227
 Agent 1 | Total Reward: -4.00 | Epsilon: 0.227
Episode 297
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.226
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.226
Episode 298
  Agent 0 | Total Reward: -6.00 | Epsilon: 0.225
  Agent 1 | Total Reward: -7.00 | Epsilon: 0.225
Episode 299
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.223
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.223
Episode 300
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.222
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.222
Episode 301
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.221
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.221
Episode 302
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.220
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.220
Episode 303
 Agent 0 | Total Reward: -12.00 | Epsilon: 0.219
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.219
Episode 304
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.218
  Agent 1 | Total Reward: -12.00 | Epsilon: 0.218
Episode 305
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.217
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.217
Episode 306
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.216
  Agent 1 | Total Reward: -24.00 | Epsilon: 0.216
Episode 307
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.215
  Agent 1 | Total Reward: -11.50 | Epsilon: 0.215
Episode 308
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.214
```

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Agent 1 | Total Reward: -4.00 | Epsilon: 0.214
Episode 309
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.212
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.212
Episode 310
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.211
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.211
Episode 311
  Agent 0 | Total Reward: -12.50 | Epsilon: 0.210
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.210
Episode 312
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.209
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.209
Episode 313
  Agent 0 | Total Reward: -12.00 | Epsilon: 0.208
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.208
Episode 314
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.207
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.207
Episode 315
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.206
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.206
Episode 316
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.205
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.205
Episode 317
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.204
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.204
Episode 318
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.203
  Agent 1 | Total Reward: -5.50 | Epsilon: 0.203
Enisode 319
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.202
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.202
Episode 320
 Agent 0 | Total Reward: -4.50 | Epsilon: 0.201
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.201
Episode 321
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.200
  Agent 1 | Total Reward: -7.00 | Epsilon: 0.200
Episode 322
  Agent 0 | Total Reward: -18.00 | Epsilon: 0.199
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.199
Enisode 323
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.198
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.198
Episode 324
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.197
 Agent 1 | Total Reward: -7.00 | Epsilon: 0.197
Episode 325
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.196
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.196
Episode 326
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.195
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.195
Episode 327
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.194
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.194
Episode 328
 Agent 0 | Total Reward: -4.50 | Epsilon: 0.193
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.193
Episode 329
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.192
 Agent 1 | Total Reward: -4.00 | Epsilon: 0.192
Episode 330
 Agent 0 | Total Reward: -7.50 | Epsilon: 0.191
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.191
Episode 331
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.190
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.190
Episode 332
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.189
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.189
Episode 333
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.188
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.188
Episode 334
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.187
 Agent 1 | Total Reward: -4.00 | Epsilon: 0.187
Episode 335
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.187
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.187
Episode 336
```

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Agent 0 | Total Reward: -1.50 | Epsilon: 0.186
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.186
Episode 337
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.185
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.185
Episode 338
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.184
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.184
Episode 339
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.183
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.183
Episode 340
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.182
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.182
Episode 341
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.181
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.181
Episode 342
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.180
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.180
Episode 343
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.179
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.179
Episode 344
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.178
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.178
Episode 345
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.177
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.177
Episode 346
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.177
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.177
Episode 347
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.176
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.176
Episode 348
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.175
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.175
Episode 349
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.174
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.174
Episode 350
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.173
 Agent 1 | Total Reward: -4.00 | Epsilon: 0.173
Episode 351
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.172
  Agent 1 | Total Reward: -21.00 | Epsilon: 0.172
Episode 352
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.171
 Agent 1 | Total Reward: -4.00 | Epsilon: 0.171
Episode 353
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.170
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.170
Episode 354
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.170
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.170
Episode 355
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.169
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.169
Episode 356
 Agent 0 | Total Reward: -24.50 | Epsilon: 0.168
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.168
Episode 357
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.167
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.167
Episode 358
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.166
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.166
Episode 359
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.165
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.165
Episode 360
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.165
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.165
Episode 361
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.164
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.164
Episode 362
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.163
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.163
Episode 363
  Agent 0 | Total Reward: -12.00 | Epsilon: 0.162
  Agent 1 | Total Reward: -5.50 | Epsilon: 0.162
```

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Episode 364
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.161
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.161
Episode 365
 Agent 0 | Total Reward: -18.50 | Epsilon: 0.160
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.160
Episode 366
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.160
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.160
Episode 367
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.159
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.159
Episode 368
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.158
  Agent 1 | Total Reward: -21.00 | Epsilon: 0.158
Fnisode 369
  Agent 0 | Total Reward: -21.50 | Epsilon: 0.157
 Agent 1 | Total Reward: -7.00 | Epsilon: 0.157
Episode 370
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.157
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.157
Episode 371
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.156
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.156
Episode 372
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.155
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.155
Episode 373
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.154
  Agent 1 | Total Reward: -5.50 | Epsilon: 0.154
Episode 374
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.153
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.153
Enisode 375
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.153
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.153
Episode 376
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.152
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.152
Episode 377
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.151
  Agent 1 | Total Reward: -19.00 | Epsilon: 0.151
Episode 378
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.150
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.150
Episode 379
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.150
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.150
Episode 380
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.149
  Agent 1 | Total Reward: -19.50 | Epsilon: 0.149
Episode 381
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.148
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.148
Episode 382
  Agent 0 | Total Reward: -12.00 | Epsilon: 0.147
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.147
Episode 383
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.147
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.147
Episode 384
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.146
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.146
Episode 385
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.145
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.145
Episode 386
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.144
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.144
Episode 387
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.144
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.144
Episode 388
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.143
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.143
Episode 389
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.142
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.142
Episode 390
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.142
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.142
Episode 391
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.141
```

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Agent 1 | Total Reward: 2.00 | Epsilon: 0.141
Episode 392
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.140
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.140
Episode 393
  Agent 0 | Total Reward: -21.00 | Epsilon: 0.139
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.139
Episode 394
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.139
 Agent 1 | Total Reward: -4.00 | Epsilon: 0.139
Episode 395
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.138
 Agent 1 | Total Reward: -11.50 | Epsilon: 0.138
Episode 396
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.137
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.137
Episode 397
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.137
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.137
Episode 398
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.136
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.136
Episode 399
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.135
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.135
Episode 400
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.135
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.135
Episode 401
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.134
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.134
Fnisode 402
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.133
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.133
Episode 403
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.133
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.133
Episode 404
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.132
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.132
Episode 405
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.131
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.131
Fnisode 406
 Agent 0 | Total Reward: -20.00 | Epsilon: 0.131
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.131
Episode 407
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.130
 Agent 1 | Total Reward: -19.50 | Epsilon: 0.130
Episode 408
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.129
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.129
Episode 409
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.129
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.129
Episode 410
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.128
 Agent 1 | Total Reward: -4.00 | Epsilon: 0.128
Episode 411
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.127
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.127
Episode 412
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.127
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.127
Episode 413
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.126
  Agent 1 | Total Reward: -13.00 | Epsilon: 0.126
Episode 414
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.126
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.126
Episode 415
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.125
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.125
Episode 416
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.124
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.124
Episode 417
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.124
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.124
Episode 418
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.123
  Agent 1 | Total Reward: -25.50 | Epsilon: 0.123
Episode 419
```

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Agent 0 | Total Reward: 1.50 | Epsilon: 0.122
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.122
Episode 420
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.122
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.122
Episode 421
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.121
  Agent 1 | Total Reward: -24.00 | Epsilon: 0.121
Episode 422
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.121
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.121
Episode 423
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.120
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.120
Episode 424
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.119
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.119
Episode 425
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.119
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.119
Episode 426
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.118
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.118
Episode 427
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.118
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.118
Episode 428
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.117
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.117
Episode 429
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.116
 Agent 1 | Total Reward: -19.50 | Epsilon: 0.116
Episode 430
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.116
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.116
Episode 431
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.115
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.115
Episode 432
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.115
  Agent 1 | Total Reward: -15.00 | Epsilon: 0.115
Episode 433
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.114
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.114
Episode 434
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.114
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.114
Episode 435
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.113
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.113
Episode 436
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.112
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.112
Episode 437
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.112
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.112
Episode 438
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.111 Agent 1 | Total Reward: -10.00 | Epsilon: 0.111
Episode 439
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.111
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.111
Episode 440
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.110
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.110
Episode 441
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.110
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.110
Episode 442
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.109
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.109
Episode 443
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.109
 Agent 1 | Total Reward: -22.50 | Epsilon: 0.109
Episode 444
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.108
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.108
Episode 445
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.107
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.107
Episode 446
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.107
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.107
```

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Episode 447
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.106
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.106
Episode 448
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.106
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.106
Episode 449
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.105
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.105
Episode 450
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.105
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.105
Episode 451
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.104
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.104
Frisode 452
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.104
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.104
Episode 453
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.103
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.103
Episode 454
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.103
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.103
Episode 455
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.102
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.102
Episode 456
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.102
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.102
Episode 457
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.101
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.101
Fnisode 458
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.101
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.101
Episode 459
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 460
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 461
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 462
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 463
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 464
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 465
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -27.50 | Epsilon: 0.100
Episode 466
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 467
  Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 468
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 469
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 470
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 471
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 472
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 473
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 474
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
```

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Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 475
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 476
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 477
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 478
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 479
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 480
 Agent 0 | Total Reward: -20.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 481
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 482
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 483
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 484
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 485
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 486
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 487
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 488
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Fnisode 489
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 490
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 491
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 492
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 493
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 494
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 495
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 496
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 497
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 498
  Agent 0 | Total Reward: -17.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 499
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -12.50 | Epsilon: 0.100
Episode 500
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 501
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 502
```

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Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 503
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 504
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 505
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 506
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 507
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 508
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 509
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 510
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 511
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 512
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 513
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 514
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 515
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 516
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 517
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 518
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 519
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 520
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 521
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 522
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 523
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 524
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 525
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 527
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 528
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 529
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
```

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Episode 530
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 531
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 532
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 533
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 534
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 535
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 536
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 537
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 538
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 539
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 540
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 541
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 542
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 543
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 544
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 545
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 546
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 547
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 548
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 549
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 550
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 551
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 552
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 553
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 554
  Agent 0 | Total Reward: -12.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 555
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 556
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 557
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
```

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Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 558
  Agent 0 | Total Reward: -17.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 559
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 560
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 561
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 562
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 563
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 564
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 565
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 566
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 567
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Frisode 568
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 569
 Agent 0 | Total Reward: -4.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 570
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 571
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 572
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 573
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 574
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 575
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 576
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 577
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 578
  Agent 0 | Total Reward: -14.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 579
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 580
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 581
  Agent 0 | Total Reward: -14.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 582
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 583
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 584
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 585
```

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Agent 0 | Total Reward: -15.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 586
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 587
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 588
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 589
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 590
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 591
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Episode 592
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Episode 593
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 594
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 595
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Episode 596
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Episode 597
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Episode 598
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 599
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Episode 600
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Episode 601
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Episode 602
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 603
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 604
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Episode 605
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 606
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Episode 607
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 608
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Episode 609
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Episode 610
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 611
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  Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 612
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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Episode 613
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Episode 614
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Episode 615
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 616
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 617
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Frisode 618
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Episode 619
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Episode 620
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 621
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Episode 622
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Episode 623
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 624
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Episode 625
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Episode 626
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Episode 627
 Agent 0 | Total Reward: -23.00 | Epsilon: 0.100
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Episode 628
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 629
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 630
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Episode 631
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 632
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 633
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 634
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Episode 635
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 636
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 637
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 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 638
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 639
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 640
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
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Episode 642
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 643
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 644
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Episode 645
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Episode 646
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Episode 647
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 648
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  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 649
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Episode 650
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 651
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 652
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  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 653
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 654
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 655
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 656
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 657
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Episode 658
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 659
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 660
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 661
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 662
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 663
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 664
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 665
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 666
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 667
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 668
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 670
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Episode 671
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Episode 672
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 673
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 674
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 676
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 677
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Episode 679
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Episode 680
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Episode 681
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Episode 682
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Episode 683
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Episode 684
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Episode 685
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 686
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Episode 687
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 688
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 689
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 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 690
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Episode 691
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 692
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 693
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Episode 694
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 695
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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Episode 696
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 697
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 698
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 699
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 700
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Frisode 701
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Episode 702
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 703
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Episode 704
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Episode 705
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Episode 706
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Frisode 707
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Episode 711
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Episode 712
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Episode 714
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Episode 715
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Episode 716
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Episode 717
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Episode 718
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 719
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Episode 721
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 722
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Episode 723
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Episode 724
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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Episode 726
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Episode 729
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Episode 730
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Episode 731
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 732
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 733
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Fnisode 734
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 Agent 1 | Total Reward: -7.00 | Epsilon: 0.100
Episode 735
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 736
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 737
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  Agent 1 | Total Reward: -22.50 | Epsilon: 0.100
Fnisode 738
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 739
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 740
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 741
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 742
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 743
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 744
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 745
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 746
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 747
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 748
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 Agent 1 | Total Reward: -17.00 | Epsilon: 0.100
Episode 749
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  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 750
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 751
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Episode 752
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 753
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 754
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 755
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Episode 756
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Episode 757
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 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 758
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 759
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 760
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Episode 761
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 762
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 763
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 764
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 765
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Episode 766
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  Agent 1 | Total Reward: -11.00 | Epsilon: 0.100
Episode 767
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 768
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 769
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 770
  Agent 0 | Total Reward: -23.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 771
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 772
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 773
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 774
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 775
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 776
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 777
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 778
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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Episode 779
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 780
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 781
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 782
  Agent 0 | Total Reward: -21.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 783
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 784
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 785
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 786
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 787
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 788
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 789
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 790
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 791
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 792
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 793
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 794
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 795
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 796
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 797
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 798
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 799
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 800
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 801
 Agent 0 | Total Reward: -20.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 802
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -12.50 | Epsilon: 0.100
Episode 803
  Agent 0 | Total Reward: -13.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -14.00 | Epsilon: 0.100
Episode 804
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Frisode 805
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 806
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
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Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 807
  Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 808
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 809
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 810
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 811
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 812
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 813
 Agent 0 | Total Reward: -6.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 814
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 815
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 816
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Frisode 817
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -13.00 | Epsilon: 0.100
Episode 818
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 819
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 820
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 821
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 822
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -11.50 | Epsilon: 0.100
Episode 823
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 824
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 825
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 826
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 827
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 828
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -13.00 | Epsilon: 0.100
Episode 829
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 830
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 831
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 832
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -14.00 | Epsilon: 0.100
Episode 833
  Agent 0 | Total Reward: -19.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 834
```

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Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 835
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 836
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 837
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 838
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 839
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 840
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 841
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 842
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 843
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 844
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 845
 Agent 0 | Total Reward: -15.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 846
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 847
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 848
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 849
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 850
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 851
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 852
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 853
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 854
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 855
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -11.00 | Epsilon: 0.100
Episode 856
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 857
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 858
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 859
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 860
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 861
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
```

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Episode 862
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 863
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 864
  Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 865
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 866
  Agent 0 | Total Reward: -13.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Frisode 867
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 868
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 869
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 870
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 871
 Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 872
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -17.00 | Epsilon: 0.100
Fnisode 873
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 874
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 875
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 876
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 877
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 878
 Agent 0 | Total Reward: -18.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 879
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 880
  Agent 0 | Total Reward: -16.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 881
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 882
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 883
  Agent 0 | Total Reward: -14.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 884
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 885
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 886
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 887
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 888
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -5.50 | Epsilon: 0.100
Episode 889
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
```

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Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 890
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 891
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -11.50 | Epsilon: 0.100
Episode 892
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 893
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 894
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 895
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 896
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 897
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 898
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 899
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Frisode 900
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 901
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 902
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 903
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Fnisode 904
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 905
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 906
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 907
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 908
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 909
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 910
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 911
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 912
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 913
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 914
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 915
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 916
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 917
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Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 918
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 919
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 920
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 921
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 922
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 923
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 924
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 925
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 926
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 927
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 928
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 929
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 930
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 931
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 932
 Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 933
  Agent 0 | Total Reward: -14.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 934
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 935
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 936
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 937
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 938
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 939
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 940
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 941
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 942
 Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 943
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 944
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
```

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Episode 945
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 946
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 947
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 948
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 949
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Frisode 950
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 951
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 952
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 953
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 954
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 955
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 956
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 957
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 958
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 959
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 960
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 961
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 962
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 963
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 964
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 965
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 966
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 967
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 968
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 969
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 970
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 971
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 972
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
```

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Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 973
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 974
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 975
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 976
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 977
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 978
 Agent 0 | Total Reward: -4.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 979
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 980
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 981
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 982
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Fnisode 983
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 984
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 985
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 986
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 987
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 988
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 989
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 990
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 991
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 992
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 993
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 994
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 995
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 996
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 997
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 998
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 999
  Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1000
```

```
Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1001
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1002
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1003
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1004
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1005
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1006
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1007
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1008
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1009
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1010
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1011
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1012
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1013
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1014
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1015
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1016
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1017
 Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -16.50 | Epsilon: 0.100
Episode 1018
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1019
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1020
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1021
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1022
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1023
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1024
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 1025
 Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1026
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -11.50 | Epsilon: 0.100
Episode 1027
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
```

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Episode 1028
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1029
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1030
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1031
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1032
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 1033
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1034
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1035
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1036
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1037
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1038
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1039
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1040
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1041
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1042
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1043
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1044
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1045
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1046
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1047
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1048
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1049
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1050
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -16.00 | Epsilon: 0.100
Episode 1051
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1052
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1053
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1054
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1055
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
```

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Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1056
  Agent 0 | Total Reward: -6.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1057
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1058
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1059
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1060
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1061
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1062
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1063
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1064
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1065
  Agent 0 | Total Reward: -17.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 1066
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -20.50 | Epsilon: 0.100
Episode 1067
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1068
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1069
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Frisode 1070
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1071
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1072
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1073
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1074
  Agent 0 | Total Reward: -17.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1075
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1076
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1077
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1078
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1079
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1080
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1081
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -5.50 | Epsilon: 0.100
Episode 1082
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
```

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Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1084
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -5.50 | Epsilon: 0.100
Episode 1085
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1086
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1087
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1088
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1089
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1090
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1091
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1092
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1093
  Agent 0 | Total Reward: -15.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1094
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1095
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1096
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1097
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1098
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1099
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1100
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1101
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1102
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1103
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1104
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1105
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1106
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1107
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1108
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1109
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1110
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
```

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Episode 1111
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1112
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1113
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1114
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1115
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 1116
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1117
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1118
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1119
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1120
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 1121
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 1122
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1123
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Episode 1124
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1125
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1126
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1127
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Episode 1128
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Episode 1129
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1130
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Episode 1131
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Episode 1132
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1133
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1134
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1135
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1136
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1137
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1138
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
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Episode 1139
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1140
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1141
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1142
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1143
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Episode 1144
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 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1145
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1146
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Episode 1147
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Episode 1148
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Fnisode 1149
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Episode 1150
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Episode 1151
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Episode 1152
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Enisode 1153
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1154
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Episode 1155
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1156
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1157
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1158
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  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 1159
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Episode 1160
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Episode 1161
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Episode 1162
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Episode 1163
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Episode 1164
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1165
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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Episode 1168
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1169
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1170
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1171
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Episode 1172
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Episode 1173
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Episode 1174
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Episode 1175
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1176
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1177
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Episode 1178
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Episode 1180
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Episode 1181
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Episode 1182
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Episode 1183
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Episode 1184
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1185
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1186
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Episode 1187
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Episode 1188
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1189
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1190
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1191
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1192
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1193
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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Episode 1194
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Episode 1195
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Episode 1196
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1197
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1198
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Frisode 1199
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1200
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 Agent 1 | Total Reward: -11.00 | Epsilon: 0.100
Episode 1201
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Episode 1202
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1203
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1204
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Frisode 1205
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Episode 1206
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Episode 1207
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Episode 1208
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Episode 1209
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Episode 1210
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Episode 1211
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Episode 1212
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Episode 1213
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 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1214
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1215
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Episode 1216
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Episode 1217
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Episode 1218
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Episode 1219
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Episode 1220
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Episode 1221
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Episode 1222
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Episode 1223
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Episode 1224
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Episode 1225
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Episode 1226
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1227
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1228
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Episode 1229
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Episode 1230
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Episode 1231
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Enisode 1232
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Episode 1233
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Episode 1234
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Episode 1235
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Frisode 1236
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Episode 1237
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Episode 1238
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Episode 1239
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Episode 1240
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 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1241
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Episode 1242
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Episode 1243
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1244
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1245
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Episode 1246
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Episode 1247
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  Agent 1 | Total Reward: -11.50 | Epsilon: 0.100
Episode 1248
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 1251
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1252
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1253
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Episode 1254
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Episode 1255
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Episode 1256
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Episode 1257
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Episode 1258
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Episode 1259
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
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Episode 1260
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1261
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1262
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1263
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 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1264
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1265
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1266
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1267
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1268
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1269
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  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 1270
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1271
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1272
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1273
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1274
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1275
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1276
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
```

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Episode 1277
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1278
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1279
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Episode 1280
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Episode 1281
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Frisode 1282
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 Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 1283
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1284
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1285
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1286
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1287
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1288
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1289
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1290
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1291
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1292
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 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1293
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1294
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1295
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1296
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1297
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1298
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1299
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1300
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1301
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1302
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1303
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 1304
  Agent 0 | Total Reward: -13.50 | Epsilon: 0.100
```

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Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1305
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1306
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1307
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1308
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1309
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1310
 Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1311
 Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1312
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1313
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1314
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -12.00 | Epsilon: 0.100
Enisode 1315
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1316
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1317
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1318
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 1319
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1320
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 1321
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1322
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1323
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1324
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1325
  Agent 0 | Total Reward: -13.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 1326
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1327
  Agent 0 | Total Reward: -6.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1328
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1329
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1330
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1331
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
```

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Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1333
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1334
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1335
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1336
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1337
  Agent 0 | Total Reward: -12.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1338
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -22.50 | Epsilon: 0.100
Episode 1339
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1340
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1341
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1342
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1343
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1344
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1345
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1346
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1347
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1348
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1349
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1350
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -5.50 | Epsilon: 0.100
Episode 1351
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1352
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1353
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1354
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1355
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1356
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1357
 Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1358
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1359
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
```

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Episode 1360
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1361
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1362
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1363
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1364
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Frisode 1365
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1366
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1367
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1368
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1369
 Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 1370
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 1371
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1372
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -11.00 | Epsilon: 0.100
Episode 1373
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1374
 Agent 0 | Total Reward: -20.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1375
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1376
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 1377
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1378
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -12.50 | Epsilon: 0.100
Episode 1379
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1380
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1381
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1382
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1383
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1384
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1385
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 1386
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1387
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
```

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Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1388
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1389
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1390
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1391
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 1392
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1393
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1394
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1395
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1396
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1397
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 1398
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1399
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1400
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1401
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 1402
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 1403
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1404
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1405
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1406
  Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1407
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1408
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1409
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 1410
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1411
  Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1412
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1413
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1414
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
```

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Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1416
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1417
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1418
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1419
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 1420
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1421
 Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1422
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1423
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1424
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1425
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1426
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1427
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Episode 1428
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1429
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1430
  Agent 0 | Total Reward: -20.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1431
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1432
 Agent 0 | Total Reward: -4.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1433
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1434
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1435
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1436
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1437
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1438
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1439
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 1440
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1441
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 1442
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
```

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Episode 1443
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1444
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1445
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 1446
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1447
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 1448
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1449
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1450
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1451
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1452
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 1453
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1454
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1455
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1456
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1457
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1458
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1459
 Agent 0 | Total Reward: -16.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1460
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 1461
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1462
  Agent 0 | Total Reward: -14.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1463
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1464
  Agent 0 | Total Reward: -14.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1465
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1466
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1467
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1468
 Agent 0 | Total Reward: -17.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 1469
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1470
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
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Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1471
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1472
  Agent 0 | Total Reward: -12.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1473
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1474
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1475
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1476
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1477
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1478
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1479
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Episode 1480
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 1481
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1482
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1483
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Episode 1484
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 1485
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1486
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Episode 1487
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Episode 1488
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1489
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1490
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Episode 1491
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  Agent 1 | Total Reward: -11.50 | Epsilon: 0.100
Episode 1492
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1493
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1494
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1495
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1496
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1497
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1499
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1500
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1501
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1502
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1503
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 Agent 1 | Total Reward: -12.00 | Epsilon: 0.100
Episode 1504
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 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1505
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1506
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  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 1507
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Episode 1508
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Episode 1509
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1510
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Episode 1511
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1512
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1513
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1514
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1515
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1516
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1517
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1518
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1519
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1520
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1521
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  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 1522
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1523
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1524
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1525
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
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Episode 1526
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1527
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1528
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1529
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1530
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 1531
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1532
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1533
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1534
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1535
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1536
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 1537
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1538
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1539
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  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 1540
 Agent 0 | Total Reward: -21.50 | Epsilon: 0.100
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Episode 1541
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  Agent 1 | Total Reward: -17.50 | Epsilon: 0.100
Episode 1542
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1543
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1544
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1545
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1546
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1547
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1548
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1549
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1550
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1551
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1552
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1553
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
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Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1554
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1555
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1556
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1557
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 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1558
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 Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 1559
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Episode 1560
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Episode 1561
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1562
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 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1563
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 1564
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1565
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1566
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1567
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Frisode 1568
 Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
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Episode 1569
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Episode 1570
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1571
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1572
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1573
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1574
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1575
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 1576
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 1577
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1578
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1579
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 1580
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1582
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1583
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1584
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1585
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1586
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1587
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1588
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1589
  Agent 0 | Total Reward: -21.50 | Epsilon: 0.100
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Episode 1590
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1591
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1592
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1593
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1594
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Episode 1595
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1596
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1597
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1598
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1599
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1600
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1601
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1602
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1603
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1604
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1605
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1606
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1607
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1608
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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Episode 1609
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1610
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  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 1611
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1612
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1613
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 1614
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 1615
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1616
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  Agent 1 | Total Reward: -11.50 | Epsilon: 0.100
Episode 1617
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1618
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1619
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1620
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1621
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1622
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1623
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1624
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1625
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1626
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1627
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1628
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1629
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1630
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1631
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1632
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1633
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1634
 Agent 0 | Total Reward: -17.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1635
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1636
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
```

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Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1637
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1638
  Agent 0 | Total Reward: -13.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1639
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 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1640
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1641
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1642
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1643
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1644
  Agent 0 | Total Reward: -17.50 | Epsilon: 0.100
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Episode 1645
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 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1646
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 1647
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1648
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1649
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  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 1650
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Frisode 1651
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1652
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1653
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1654
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1655
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1656
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1657
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1658
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1659
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1660
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1661
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 1662
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1663
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
```

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Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1665
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1666
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1667
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1668
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1669
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 1670
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1671
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1672
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1673
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1674
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1675
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1676
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1677
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1678
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 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1679
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1680
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Episode 1681
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1682
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  Agent 1 | Total Reward: -14.50 | Epsilon: 0.100
Episode 1683
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Episode 1684
 Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
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Episode 1685
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Episode 1686
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1687
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1688
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Episode 1689
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1690
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1691
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
```

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Episode 1692
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1693
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1694
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1695
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1696
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Frisode 1697
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1698
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1699
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1700
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1701
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Episode 1702
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Episode 1703
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 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1704
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1705
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1706
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1707
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1708
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1709
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1710
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Episode 1711
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1712
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1713
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1714
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 1715
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1716
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 Agent 1 | Total Reward: -17.00 | Epsilon: 0.100
Episode 1717
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1718
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1719
```

Agent 0 | Total Reward: 0.00 | Epsilon: 0.100

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Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1720
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1721
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1722
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1723
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1724
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1725
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1726
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1727
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
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Episode 1728
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Episode 1729
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Enisode 1730
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1731
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1732
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1733
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Frisode 1734
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1735
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1736
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 1737
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1738
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  Agent 1 | Total Reward: -15.00 | Epsilon: 0.100
Episode 1739
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1740
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1741
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  Agent 1 | Total Reward: -11.00 | Epsilon: 0.100
Episode 1742
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1743
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 Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 1744
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 1745
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1746
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
```

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Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1748
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1749
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1750
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1751
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1752
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1753
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 1754
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1755
  Agent 0 | Total Reward: -19.00 | Epsilon: 0.100
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Episode 1756
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1757
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1758
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1759
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1760
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1761
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1762
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1763
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1764
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1765
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1766
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1767
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1768
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1769
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1770
  Agent 0 | Total Reward: -20.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1771
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1772
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1773
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1774
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
```

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Episode 1775
  Agent 0 | Total Reward: -16.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1776
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -12.00 | Epsilon: 0.100
Episode 1777
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1778
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1779
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -12.00 | Epsilon: 0.100
Frisode 1780
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1781
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1782
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1783
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1784
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1785
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 1786
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1787
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1788
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1789
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1790
  Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1791
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -11.50 | Epsilon: 0.100
Episode 1792
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1793
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1794
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1795
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1796
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1797
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1798
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 1799
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1800
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1801
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1802
```

Agent 0 | Total Reward: -10.50 | Epsilon: 0.100

```
Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1803
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -5.50 | Epsilon: 0.100
Episode 1804
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1805
  Agent 0 | Total Reward: -21.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1806
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1807
  Agent 0 | Total Reward: -13.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1808
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -5.50 | Epsilon: 0.100
Episode 1809
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1810
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1811
  Agent 0 | Total Reward: -18.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1812
  Agent 0 | Total Reward: -6.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 1813
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 1814
 Agent 0 | Total Reward: -14.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1815
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1816
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -17.00 | Epsilon: 0.100
Frisode 1817
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1818
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1819
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1820
  Agent 0 | Total Reward: -13.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1821
  Agent 0 | Total Reward: -13.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1822
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1823
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1824
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1825
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1826
  Agent 0 | Total Reward: -12.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1827
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 1828
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -14.00 | Epsilon: 0.100
Episode 1829
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
```

```
Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1831
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1832
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1833
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1834
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1835
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1836
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1837
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1838
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1839
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1840
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1841
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1842
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1843
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1844
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1845
  Agent 0 | Total Reward: -18.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1846
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1847
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1848
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1849
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1850
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1851
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1852
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1853
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1854
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1855
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1856
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1857
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
```

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Episode 1858
  Agent 0 | Total Reward: -13.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1859
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1860
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1861
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1862
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Frisode 1863
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -14.00 | Epsilon: 0.100
Episode 1864
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1865
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1866
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1867
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1868
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Fnisode 1869
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1870
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1871
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1872
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1873
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -5.50 | Epsilon: 0.100
Episode 1874
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1875
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1876
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1877
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1878
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1879
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1880
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1881
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1882
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1883
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1884
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1885
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
```

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Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1886
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1887
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1888
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1889
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1890
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1891
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1892
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1893
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1894
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1895
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 1896
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1897
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1898
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1899
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 1900
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1901
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1902
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1903
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1904
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1905
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1906
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1907
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1908
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1909
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1910
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1911
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1912
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
```

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Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1914
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1915
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1916
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1917
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1918
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1919
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1920
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1921
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -17.50 | Epsilon: 0.100
Episode 1922
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1923
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1924
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1925
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1926
  Agent 0 | Total Reward: -13.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1927
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1928
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1929
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1930
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1931
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1932
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1933
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1934
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1935
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1936
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1937
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1938
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1939
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1940
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
```

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Episode 1941
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1942
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1943
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1944
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1945
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Frisode 1946
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1947
 Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1948
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1949
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1950
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1951
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 1952
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1953
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1954
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1955
 Agent 0 | Total Reward: -20.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1956
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1957
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1958
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1959
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 1960
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1961
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1962
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1963
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1964
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1965
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1966
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1967
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 1968
```

Agent 0 | Total Reward: 1.50 | Epsilon: 0.100

```
Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1969
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1970
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1971
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1972
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1973
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1974
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1975
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1976
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1977
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1978
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1979
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1980
 Agent 0 | Total Reward: -4.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -5.50 | Epsilon: 0.100
Episode 1981
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1982
  Agent 0 | Total Reward: -19.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 1983
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -11.50 | Epsilon: 0.100
Episode 1984
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1985
  Agent 0 | Total Reward: -12.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1986
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1987
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1988
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1989
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1990
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 1991
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1992
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1993
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 1994
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1995
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
```

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Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 1997
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 1998
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 1999
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2000
 Agent 0 | Total Reward: -6.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2001
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2002
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2003
  Agent 0 | Total Reward: -13.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2004
  Agent 0 | Total Reward: -13.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2005
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2006
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2007
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2008
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2009
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2010
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2011
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2012
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2013
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2014
  Agent 0 | Total Reward: -12.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2015
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2016
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2017
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2018
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2019
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2020
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2021
 Agent 0 | Total Reward: -12.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2022
  Agent 0 | Total Reward: -16.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2023
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
```

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Episode 2024
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2025
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2026
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2027
  Agent 0 | Total Reward: -14.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2028
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 2029
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2030
 Agent 0 | Total Reward: -26.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2031
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2032
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2033
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2034
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2035
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2036
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2037
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2038
 Agent 0 | Total Reward: -12.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 2039
  Agent 0 | Total Reward: -16.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2040
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2041
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 2042
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2043
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2044
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2045
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2046
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2047
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2048
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -12.50 | Epsilon: 0.100
Episode 2049
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2050
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2051
  Agent 0 | Total Reward: -13.00 | Epsilon: 0.100
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Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2052
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2053
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2054
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2055
 Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2056
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 2057
 Agent 0 | Total Reward: -13.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2058
 Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2059
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2060
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2061
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 2062
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2063
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2064
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2065
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 2066
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2067
  Agent 0 | Total Reward: -19.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2068
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2069
  Agent 0 | Total Reward: -12.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2070
  Agent 0 | Total Reward: -12.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2071
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2072
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2073
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2074
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2075
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2076
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2077
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2078
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
```

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Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2080
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2081
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2082
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -12.50 | Epsilon: 0.100
Episode 2083
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2084
  Agent 0 | Total Reward: -13.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2085
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2086
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2087
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2088
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2089
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2090
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2091
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2092
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2093
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2094
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2095
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2096
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2097
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2098
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2099
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2100
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2101
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2102
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2103
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2104
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 2105
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2106
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
```

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Episode 2107
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2108
 Agent 0 | Total Reward: -16.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2109
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2110
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2111
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 2112
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2113
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2114
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2115
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2116
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2117
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2118
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2119
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2120
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2121
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2122
  Agent 0 | Total Reward: -20.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2123
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2124
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2125
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2126
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2127
  Agent 0 | Total Reward: -17.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2128
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2129
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2130
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2131
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 2132
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2133
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 2134
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
```

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Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2135
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2136
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2137
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2138
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 2139
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2140
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2141
 Agent 0 | Total Reward: -20.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2142
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -17.50 | Epsilon: 0.100
Episode 2143
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2144
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 2145
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2146
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2147
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2148
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 2149
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2150
  Agent 0 | Total Reward: -20.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2151
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2152
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2153
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -19.00 | Epsilon: 0.100
Episode 2154
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 2155
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2156
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2157
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2158
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2159
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2160
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 2161
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
```

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Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2163
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2164
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2165
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2166
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2167
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2168
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -16.50 | Epsilon: 0.100
Episode 2169
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2170
  Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2171
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -21.00 | Epsilon: 0.100
Episode 2172
  Agent 0 | Total Reward: -6.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2173
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2174
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2175
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2176
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2177
  Agent 0 | Total Reward: -14.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 2178
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2179
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2180
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2181
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2182
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  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 2183
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 2184
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2185
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2186
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2187
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2188
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2189
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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Episode 2190
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2191
 Agent 0 | Total Reward: -20.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2192
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2193
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2194
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Frisode 2195
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2196
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2197
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 2198
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2199
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2200
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2201
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2202
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Episode 2203
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Episode 2204
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2205
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2206
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Episode 2207
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2208
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2209
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2210
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2211
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Episode 2212
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
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Episode 2213
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2214
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Episode 2215
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Episode 2216
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2217
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
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Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2218
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2219
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2220
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2221
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2222
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 Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 2223
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2224
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
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Episode 2225
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2226
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2227
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 2228
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2229
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2230
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2231
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 2232
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2233
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2234
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2235
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2236
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 2237
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2238
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 2239
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2240
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2241
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2242
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2243
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -20.00 | Epsilon: 0.100
Episode 2244
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
```

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Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -16.00 | Epsilon: 0.100
Episode 2246
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2247
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  Agent 1 | Total Reward: -21.00 | Epsilon: 0.100
Episode 2248
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2249
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 2250
  Agent 0 | Total Reward: -17.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2251
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2252
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -17.00 | Epsilon: 0.100
Episode 2253
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2254
 Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2255
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2256
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2257
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2258
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2259
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 Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 2260
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2261
  Agent 0 | Total Reward: -12.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2262
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2263
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2264
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2265
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2266
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2267
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2268
  Agent 0 | Total Reward: -16.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -19.00 | Epsilon: 0.100
Episode 2269
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2270
 Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2271
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2272
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  Agent 1 | Total Reward: -5.50 | Epsilon: 0.100
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Episode 2273
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2274
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2275
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2276
  Agent 0 | Total Reward: -17.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2277
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Frisode 2278
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2279
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2280
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2281
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2282
 Agent 0 | Total Reward: -13.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2283
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 2284
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2285
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2286
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2287
 Agent 0 | Total Reward: -13.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2288
  Agent 0 | Total Reward: -17.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2289
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2290
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2291
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2292
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2293
  Agent 0 | Total Reward: -12.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2294
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2295
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2296
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2297
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2298
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2299
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2300
  Agent 0 | Total Reward: -17.00 | Epsilon: 0.100
```

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Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2301
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2302
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2303
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2304
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2305
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2306
 Agent 0 | Total Reward: -18.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 2307
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2308
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2309
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2310
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Fnisode 2311
  Agent 0 | Total Reward: -17.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2312
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2313
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2314
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Frisode 2315
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2316
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2317
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2318
  Agent 0 | Total Reward: -13.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2319
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2320
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2321
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2322
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2323
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2324
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2325
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2326
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2327
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
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Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2329
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 2330
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2331
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2332
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2333
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2334
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2335
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2336
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2337
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2338
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2339
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2340
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2341
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2342
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2343
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2344
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2345
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2346
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2347
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2348
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2349
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2350
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -11.50 | Epsilon: 0.100
Episode 2351
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2352
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2353
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2354
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2355
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
```

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Episode 2356
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Episode 2357
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2358
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2359
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2360
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Frisode 2361
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Episode 2362
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 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2363
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Episode 2364
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Episode 2365
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Episode 2366
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Enisode 2367
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Episode 2368
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2369
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2370
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  Agent 1 | Total Reward: -21.00 | Epsilon: 0.100
Episode 2371
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2372
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Episode 2373
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  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 2374
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2375
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2376
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Enisode 2377
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2378
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 2379
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Episode 2381
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2382
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2383
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
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Episode 2385
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Episode 2386
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Episode 2387
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2388
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Episode 2389
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2390
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Episode 2391
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Episode 2392
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Episode 2393
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Episode 2395
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Episode 2396
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2397
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 2398
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2399
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Episode 2400
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Episode 2401
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2402
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2403
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2404
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Episode 2405
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2406
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  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 2407
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2408
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2409
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2410
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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Episode 2413
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2414
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2415
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Episode 2416
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Episode 2417
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Episode 2418
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Episode 2419
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Episode 2420
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Episode 2421
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Episode 2422
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Episode 2423
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Episode 2424
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Episode 2425
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 Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 2426
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Episode 2427
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Episode 2428
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Episode 2429
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Episode 2430
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Episode 2431
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Episode 2432
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Episode 2433
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  Agent 1 | Total Reward: -13.50 | Epsilon: 0.100
Episode 2434
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2435
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Episode 2436
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Episode 2437
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2438
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
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Episode 2439
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Episode 2440
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Episode 2441
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Episode 2442
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2443
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Episode 2445
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Episode 2446
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2447
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Episode 2449
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Fnisode 2450
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Episode 2451
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Episode 2452
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2453
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2454
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Episode 2455
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2456
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2457
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Episode 2458
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2459
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2460
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2461
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2462
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2463
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2464
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Episode 2465
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2466
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Agent 0 | Total Reward: -6.00 | Epsilon: 0.100

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Episode 2467
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2468
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Episode 2469
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2470
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Episode 2471
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2472
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Episode 2473
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Episode 2474
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Episode 2475
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Frisode 2477
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Episode 2478
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Episode 2479
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Episode 2480
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Fnisode 2481
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Episode 2482
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Episode 2483
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2484
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 2485
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 Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 2486
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2487
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2488
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -11.00 | Epsilon: 0.100
Episode 2489
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2490
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2491
 Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2492
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2493
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2495
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  Agent 1 | Total Reward: -12.00 | Epsilon: 0.100
Episode 2496
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2497
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2498
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2499
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 Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 2500
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2501
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2502
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2503
 Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
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Episode 2504
  Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2505
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2506
 Agent 0 | Total Reward: -20.00 | Epsilon: 0.100
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Episode 2507
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Episode 2508
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Episode 2509
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2510
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2511
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2512
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2513
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2514
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2515
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2516
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2517
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2518
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2519
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2520
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2521
  Agent 0 | Total Reward: -19.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -21.00 | Epsilon: 0.100
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Episode 2522
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 Agent 1 | Total Reward: -11.50 | Epsilon: 0.100
Episode 2523
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2524
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2525
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2526
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Frisode 2527
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2528
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2529
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2530
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2531
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2532
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Enisode 2533
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Episode 2534
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Episode 2540
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Episode 2544
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Episode 2545
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Episode 2546
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Episode 2547
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Episode 2548
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Episode 2549
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Episode 2551
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Episode 2552
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Episode 2553
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Episode 2554
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Episode 2555
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Episode 2557
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Episode 2568
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Episode 2569
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  Agent 1 | Total Reward: -11.50 | Epsilon: 0.100
Episode 2570
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Episode 2571
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Episode 2572
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Episode 2575
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Episode 2576
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Episode 2582
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2584
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2585
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Episode 2586
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Episode 2587
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Episode 2588
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Episode 2589
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Episode 2590
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Episode 2591
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Episode 2592
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Episode 2593
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Episode 2595
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Episode 2596
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Episode 2597
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Episode 2598
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Episode 2599
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Episode 2600
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Episode 2601
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Episode 2602
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Episode 2603
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2604
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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Episode 2606
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2607
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2608
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2609
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Frisode 2610
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Episode 2611
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Episode 2612
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Episode 2613
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Episode 2614
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Episode 2615
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Episode 2616
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Episode 2617
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Episode 2619
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Episode 2620
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Episode 2621
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Episode 2622
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Episode 2623
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Episode 2625
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Episode 2626
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Episode 2627
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Episode 2628
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Episode 2629
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Episode 2630
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Episode 2631
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Episode 2632
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Episode 2635
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Episode 2636
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Episode 2637
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Episode 2638
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Episode 2639
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Episode 2640
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Episode 2641
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Episode 2642
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Frisode 2643
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Episode 2644
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Episode 2645
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Episode 2646
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Fnisode 2647
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Episode 2648
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Episode 2649
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Episode 2650
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  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 2651
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2652
 Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
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Episode 2653
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Episode 2654
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Episode 2655
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2656
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Episode 2657
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Episode 2658
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Episode 2659
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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Episode 2662
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Episode 2663
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Episode 2664
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Episode 2665
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Episode 2666
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Episode 2667
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Episode 2668
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Episode 2670
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Episode 2671
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Episode 2672
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Episode 2673
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Episode 2674
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Episode 2677
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Episode 2679
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Episode 2682
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2683
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Episode 2684
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2685
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Episode 2686
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2687
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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Episode 2688
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Episode 2689
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2690
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2691
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2692
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 2693
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2694
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Episode 2695
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Episode 2696
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Episode 2697
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2698
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Fnisode 2699
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Episode 2700
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Episode 2701
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2702
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2703
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2704
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  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 2705
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2706
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2707
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 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2708
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2709
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2710
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2711
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2712
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2713
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2714
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2715
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
```

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Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2716
 Agent 0 | Total Reward: -18.00 | Epsilon: 0.100 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2717
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2718
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2719
 Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -12.00 | Epsilon: 0.100
Episode 2720
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -11.00 | Epsilon: 0.100
Episode 2721
 Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2722
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 2723
  Agent 0 | Total Reward: -14.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2724
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2725
  Agent 0 | Total Reward: -12.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Fnisode 2726
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2727
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2728
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2729
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Frisode 2730
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2731
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2732
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2733
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2734
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2735
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2736
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2737
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2738
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2739
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2740
 Agent 0 | Total Reward: -20.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2741
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2742
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
```

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Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2744
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2745
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2746
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2747
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2748
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2749
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2750
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2751
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2752
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2753
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2754
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2755
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2756
  Agent 0 | Total Reward: -17.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2757
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2758
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2759
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2760
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2761
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2762
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2763
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -22.50 | Epsilon: 0.100
Episode 2764
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -11.00 | Epsilon: 0.100
Episode 2765
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2766
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2767
  Agent 0 | Total Reward: -13.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -14.00 | Epsilon: 0.100
Episode 2768
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2769
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2770
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
```

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Episode 2771
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2772
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2773
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2774
  Agent 0 | Total Reward: -13.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2775
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 2776
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2777
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2778
  Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2779
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2780
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2781
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 2782
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2783
  Agent 0 | Total Reward: -13.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2784
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2785
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2786
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2787
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2788
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2789
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2790
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2791
 Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 2792
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2793
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 2794
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  Agent 1 | Total Reward: -22.50 | Epsilon: 0.100
Episode 2795
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 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2796
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 2797
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2798
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
```

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Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2799
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2800
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2801
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2802
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2803
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 2804
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2805
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2806
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -20.00 | Epsilon: 0.100
Episode 2807
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2808
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 2809
  Agent 0 | Total Reward: -6.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2810
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2811
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2812
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Frisode 2813
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2814
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2815
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2816
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2817
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2818
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2819
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2820
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2821
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2822
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2823
 Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2824
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2825
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
```

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Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2827
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2828
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2829
  Agent 0 | Total Reward: -12.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -11.00 | Epsilon: 0.100
Episode 2830
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2831
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2832
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2833
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2834
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2835
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2836
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 2837
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2838
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2839
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2840
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2841
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2842
  Agent 0 | Total Reward: -17.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2843
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2844
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2845
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2846
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2847
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2848
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 2849
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2850
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2851
 Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2852
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2853
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -11.00 | Epsilon: 0.100
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Episode 2854
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 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2855
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 2856
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2857
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2858
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Frisode 2859
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2860
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2861
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2862
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2863
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2864
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Fnisode 2865
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2866
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2867
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2868
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2869
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2870
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2871
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2872
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2873
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2874
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2875
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2876
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2877
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2878
  Agent 0 | Total Reward: -17.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2879
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -13.50 | Epsilon: 0.100
Episode 2880
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -22.50 | Epsilon: 0.100
Episode 2881
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
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Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2882
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100 Agent 1 | Total Reward: -12.00 | Epsilon: 0.100
Episode 2883
  Agent 0 | Total Reward: -14.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2884
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2885
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 Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 2886
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2887
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2888
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Episode 2889
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Episode 2890
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Episode 2891
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Fnisode 2892
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Episode 2893
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2894
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Episode 2895
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Fnisode 2896
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2897
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Episode 2898
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2899
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Episode 2900
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Episode 2901
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Episode 2902
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 Agent 1 | Total Reward: -22.50 | Epsilon: 0.100
Episode 2903
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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Episode 2905
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2906
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2907
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2908
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
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Episode 2911
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Episode 2912
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Episode 2913
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 2914
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Episode 2915
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Episode 2916
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Episode 2917
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Episode 2918
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Episode 2919
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Episode 2920
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Episode 2921
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Episode 2922
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2923
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2924
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Episode 2925
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2926
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Episode 2927
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Episode 2928
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Episode 2929
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Episode 2930
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Episode 2932
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Episode 2935
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  Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 2936
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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Episode 2937
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Episode 2938
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2939
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2940
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2941
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Frisode 2942
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Episode 2943
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Episode 2944
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2945
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Episode 2946
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Episode 2947
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Fnisode 2948
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2949
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Episode 2950
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Episode 2951
 Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
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Episode 2952
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Episode 2953
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Episode 2954
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Episode 2955
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Episode 2956
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2957
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Episode 2958
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Episode 2959
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Episode 2960
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Episode 2961
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Episode 2962
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2963
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2964
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Episode 2966
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2967
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Episode 2968
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 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 2969
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Episode 2970
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Episode 2971
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Episode 2972
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Episode 2974
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Frisode 2975
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 Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 2976
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Episode 2977
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Episode 2978
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Fnisode 2979
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Episode 2980
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Episode 2981
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Episode 2982
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  Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 2983
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Episode 2984
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Episode 2985
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Episode 2986
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2987
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2988
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 2989
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Episode 2990
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2991
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
```

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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2994
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Episode 2995
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 2996
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Episode 2997
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Episode 2998
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 2999
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Episode 3000
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Episode 3002
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Episode 3004
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Episode 3005
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Episode 3006
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Episode 3007
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Episode 3008
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3009
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Episode 3010
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3011
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3012
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3013
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Episode 3014
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3015
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Episode 3016
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Episode 3017
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3018
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3019
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Agent 1 | Total Reward: -5.50 | Epsilon: 0.100

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Episode 3020
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Episode 3021
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Episode 3022
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3023
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3024
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 3025
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3026
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 Agent 1 | Total Reward: -11.50 | Epsilon: 0.100
Episode 3027
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3028
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3029
 Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
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Episode 3030
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Enisode 3031
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3032
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3033
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3034
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3035
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -16.00 | Epsilon: 0.100
Episode 3036
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3037
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3038
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3039
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 3040
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3041
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3042
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3043
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3044
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3045
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3046
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3047
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Episode 3048
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3049
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3050
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3051
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3052
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 3053
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3054
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
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Episode 3055
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3056
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3057
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Frisode 3058
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3059
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  Agent 1 | Total Reward: -22.50 | Epsilon: 0.100
Episode 3060
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3061
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Fnisode 3062
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Episode 3067
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Episode 3071
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Episode 3074
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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Episode 3077
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Episode 3101
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Episode 3102
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Episode 3105
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Episode 3106
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Episode 3107
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 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3109
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Episode 3110
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Episode 3117
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Episode 3118
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Episode 3119
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Episode 3122
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Episode 3123
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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Episode 3126
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Episode 3127
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Episode 3129
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3130
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Episode 3133
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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Episode 3142
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Episode 3151
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Episode 3152
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Episode 3156
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Episode 3157
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3162
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Episode 3163
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Episode 3164
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Episode 3165
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Episode 3166
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Episode 3167
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Episode 3168
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Episode 3169
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Episode 3177
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Episode 3178
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Episode 3179
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Episode 3180
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Episode 3181
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
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Episode 3184
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3185
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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Episode 3187
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3188
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3189
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Frisode 3191
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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Episode 3193
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Episode 3196
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Fnisode 3197
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Episode 3198
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Episode 3199
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Episode 3204
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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Episode 3209
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Episode 3211
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Episode 3212
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Episode 3213
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Episode 3215
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Episode 3216
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Episode 3217
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Episode 3218
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Episode 3219
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3220
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Episode 3223
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Fnisode 3224
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Episode 3225
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Episode 3231
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3232
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Episode 3235
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3236
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3237
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Episode 3238
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3239
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3240
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
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Episode 3243
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3244
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3245
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Episode 3247
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Episode 3248
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Episode 3252
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Episode 3253
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Episode 3254
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Episode 3255
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3256
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3257
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Episode 3258
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3259
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Episode 3260
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Episode 3261
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3262
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3264
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Episode 3267
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Episode 3268
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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Episode 3269
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Episode 3270
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3271
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Episode 3272
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Fnisode 3274
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Episode 3275
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Episode 3276
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Episode 3277
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Episode 3280
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Episode 3283
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 3284
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Episode 3285
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Episode 3286
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Episode 3287
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3288
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 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3289
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Episode 3290
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3291
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3292
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Episode 3293
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Episode 3294
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Episode 3295
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Episode 3296
  Agent 0 | Total Reward: -17.00 | Epsilon: 0.100
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Episode 3298
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3299
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Episode 3300
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Episode 3301
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Episode 3302
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Episode 3303
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3304
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3305
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3306
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Fnisode 3307
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3308
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Episode 3313
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Episode 3314
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Episode 3315
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 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3316
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Episode 3317
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Episode 3318
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Episode 3319
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Episode 3320
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Episode 3322
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3323
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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Episode 3327
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Episode 3331
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Episode 3332
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Episode 3334
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3335
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3336
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3337
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Episode 3338
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Episode 3339
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Episode 3340
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Episode 3342
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3343
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3344
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Episode 3345
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3346
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3347
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  Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 3348
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3349
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3350
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  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 3351
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Agent 1 | Total Reward: -4.00 | Epsilon: 0.100

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Episode 3353
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Episode 3354
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Episode 3355
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3356
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Frisode 3357
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3358
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  Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 3359
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 3360
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Episode 3361
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Episode 3362
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Fnisode 3363
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Episode 3364
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Episode 3366
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3367
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Episode 3368
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Episode 3369
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3370
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3371
  Agent 0 | Total Reward: -19.00 | Epsilon: 0.100
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Episode 3372
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Episode 3373
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3374
 Agent 0 | Total Reward: -17.50 | Epsilon: 0.100
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Episode 3375
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3376
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Episode 3377
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 3378
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3379
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Episode 3380
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Episode 3381
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3382
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3383
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3384
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Episode 3385
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3386
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Episode 3387
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Episode 3389
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Fnisode 3390
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3391
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Episode 3392
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Episode 3393
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  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Fnisode 3394
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3395
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3396
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3397
  Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3398
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3399
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3400
  Agent 0 | Total Reward: -21.50 | Epsilon: 0.100
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Episode 3401
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Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3402
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3403
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 Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 3404
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3405
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3406
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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Episode 3409
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Episode 3410
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Episode 3411
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Episode 3412
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Episode 3413
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Episode 3414
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3415
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3416
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 3417
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3418
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3419
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3420
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 3421
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Episode 3422
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3423
  Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
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Episode 3424
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Episode 3425
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3426
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3427
 Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
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Episode 3428
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Episode 3429
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Episode 3430
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Episode 3431
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Episode 3432
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  Agent 1 | Total Reward: -13.00 | Epsilon: 0.100
Episode 3433
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  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 3434
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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Episode 3435
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 Agent 1 | Total Reward: -21.00 | Epsilon: 0.100
Episode 3436
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3437
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3438
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3439
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Frisode 3440
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 Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 3441
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  Agent 1 | Total Reward: -11.50 | Epsilon: 0.100
Episode 3442
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3443
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3444
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Episode 3445
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Fnisode 3446
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3447
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Episode 3448
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3449
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3450
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3451
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Episode 3452
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3453
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3454
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3455
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3456
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3457
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3458
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 3459
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3460
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 3461
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3462
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
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Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3463
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3464
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  Agent 1 | Total Reward: -15.50 | Epsilon: 0.100
Episode 3465
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3466
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3467
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3468
 Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3469
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3470
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3471
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3472
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 3473
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -19.00 | Epsilon: 0.100
Episode 3474
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3475
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3476
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Enisode 3477
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3478
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3479
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3480
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 3481
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3482
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3483
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Episode 3484
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3485
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3486
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Episode 3487
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 Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 3488
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  Agent 1 | Total Reward: -13.50 | Epsilon: 0.100
Episode 3489
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  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
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Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3491
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3492
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3493
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3494
 Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
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Episode 3495
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3496
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3497
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3498
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3499
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Episode 3500
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3501
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Episode 3502
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Episode 3503
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3504
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3505
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3506
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Episode 3507
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3508
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3509
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Episode 3510
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Episode 3511
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Episode 3512
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3513
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Episode 3514
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Episode 3515
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Episode 3516
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3517
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
```

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Episode 3518
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Episode 3519
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  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 3520
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3521
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3522
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Frisode 3523
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3524
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -11.00 | Epsilon: 0.100
Episode 3525
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3526
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3527
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3528
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 3529
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3530
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3531
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3532
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3533
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3534
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3535
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Episode 3536
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Episode 3537
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  Agent 1 | Total Reward: -11.00 | Epsilon: 0.100
Episode 3538
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3539
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3540
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3541
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Episode 3542
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Episode 3543
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3544
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3545
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
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Episode 3546
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Episode 3547
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Episode 3548
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Episode 3549
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Episode 3550
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3551
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Episode 3552
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Episode 3553
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Episode 3554
  Agent 0 | Total Reward: -15.00 | Epsilon: 0.100
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Episode 3555
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 3556
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
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Episode 3557
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Episode 3558
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3559
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Frisode 3560
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3561
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3562
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3563
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Episode 3564
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3565
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3566
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3567
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Episode 3568
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3569
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3570
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3571
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3572
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3575
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3576
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3577
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 3578
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Episode 3579
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3580
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3581
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3582
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Episode 3583
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3584
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3585
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Episode 3586
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3587
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3588
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3589
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Episode 3590
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Episode 3591
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Episode 3592
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3593
 Agent 0 | Total Reward: -16.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 3594
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 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3595
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Episode 3596
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3597
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 Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 3598
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Episode 3599
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3600
  Agent 0 | Total Reward: -14.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
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Episode 3602
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3603
  Agent 0 | Total Reward: -20.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3604
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3605
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Frisode 3606
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3607
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3608
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3609
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Episode 3610
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3611
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Episode 3612
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 Agent 1 | Total Reward: -11.00 | Epsilon: 0.100
Episode 3613
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Episode 3614
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Episode 3615
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3616
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Episode 3617
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3618
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Episode 3619
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3620
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3621
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3622
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3623
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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Episode 3625
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Episode 3626
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3627
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3628
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Episode 3630
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3631
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Episode 3632
 Agent 0 | Total Reward: -20.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3633
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3634
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3635
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3636
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  Agent 1 | Total Reward: -15.50 | Epsilon: 0.100
Episode 3637
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3638
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Frisode 3639
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3640
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Episode 3641
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3642
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Frisode 3643
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Episode 3644
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Episode 3645
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3646
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3647
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Episode 3648
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Episode 3649
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3650
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3651
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3652
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3653
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3654
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Episode 3655
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
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Episode 3658
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Episode 3659
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Episode 3660
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Episode 3661
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3662
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3663
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Episode 3665
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Episode 3666
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Episode 3667
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Episode 3668
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Episode 3669
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Episode 3671
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Episode 3672
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Episode 3673
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3674
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3675
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Episode 3676
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Episode 3677
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3678
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3679
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 3680
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Episode 3681
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Episode 3682
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3683
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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Episode 3685
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3686
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3687
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Episode 3688
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Frisode 3689
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Episode 3690
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Episode 3691
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Episode 3692
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Episode 3693
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Episode 3694
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Fnisode 3695
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3696
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  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 3697
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Episode 3698
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Episode 3699
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Episode 3700
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Episode 3701
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Episode 3702
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Episode 3703
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3704
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Episode 3705
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Episode 3706
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Episode 3707
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Episode 3708
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Episode 3709
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  Agent 1 | Total Reward: -13.50 | Epsilon: 0.100
Episode 3710
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3711
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
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Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3712
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Episode 3713
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3714
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3715
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Episode 3716
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Episode 3717
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Episode 3718
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Episode 3719
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Episode 3720
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3721
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Fnisode 3722
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3723
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
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Episode 3724
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Episode 3725
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 3726
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3727
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3728
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3729
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Episode 3730
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3731
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3732
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -21.00 | Epsilon: 0.100
Episode 3733
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3734
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3735
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3736
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3737
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3738
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3741
  Agent 0 | Total Reward: -12.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3742
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3743
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3744
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3745
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3746
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3747
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3748
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3749
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3750
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 3751
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Episode 3752
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3753
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3754
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Episode 3755
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3756
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Episode 3757
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3758
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
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Episode 3759
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Episode 3760
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3761
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3762
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3763
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 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 3764
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3765
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 3766
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
```

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Episode 3767
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3768
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3769
  Agent 0 | Total Reward: -18.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3770
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3771
  Agent 0 | Total Reward: -13.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Fnisode 3772
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3773
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3774
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3775
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3776
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3777
  Agent 0 | Total Reward: -26.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 3778
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3779
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3780
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3781
 Agent 0 | Total Reward: -20.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3782
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3783
 Agent 0 | Total Reward: -4.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3784
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3785
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3786
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -5.50 | Epsilon: 0.100
Episode 3787
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3788
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3789
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3790
  Agent 0 | Total Reward: -23.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3791
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3792
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3793
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3794
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Agent 0 | Total Reward: 0.00 | Epsilon: 0.100

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Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3795
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3796
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3797
  Agent 0 | Total Reward: -21.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3798
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3799
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3800
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3801
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3802
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  Agent 1 | Total Reward: -19.00 | Epsilon: 0.100
Episode 3803
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3804
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Frisode 3805
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3806
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3807
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3808
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Fnisode 3809
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3810
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3811
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 3812
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3813
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3814
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3815
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3816
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3817
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 3818
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3819
 Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3820
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3821
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
```

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Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3823
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3824
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -5.50 | Epsilon: 0.100
Episode 3825
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3826
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 3827
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3828
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3829
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3830
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3831
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3832
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3833
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3834
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3835
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3836
  Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -12.00 | Epsilon: 0.100
Episode 3837
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3838
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3839
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3840
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3841
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3842
 Agent 0 | Total Reward: -19.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 3843
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3844
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  Agent 1 | Total Reward: -11.00 | Epsilon: 0.100
Episode 3845
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3846
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3847
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3848
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -20.50 | Epsilon: 0.100
Episode 3849
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
```

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Episode 3850
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3851
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3852
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3853
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3854
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 3855
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3856
 Agent 0 | Total Reward: -18.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 3857
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3858
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3859
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3860
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 3861
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3862
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3863
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3864
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3865
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3866
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3867
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3868
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3869
  Agent 0 | Total Reward: -16.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3870
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3871
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3872
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3873
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 3874
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3875
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3876
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3877
  Agent 0 | Total Reward: -19.00 | Epsilon: 0.100
```

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Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3878
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100 Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 3879
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3880
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3881
 Agent 0 | Total Reward: -14.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3882
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3883
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 3884
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3885
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3886
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3887
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 3888
  Agent 0 | Total Reward: -13.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -17.00 | Epsilon: 0.100
Episode 3889
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3890
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3891
  Agent 0 | Total Reward: -4.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 3892
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3893
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -21.00 | Epsilon: 0.100
Episode 3894
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3895
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3896
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3897
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3898
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3899
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3900
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3901
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3902
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3903
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3904
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3906
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3907
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3908
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3909
 Agent 0 | Total Reward: -21.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 3910
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3911
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3912
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3913
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3914
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3915
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3916
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3917
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3918
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3919
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3920
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3921
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3922
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3923
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3924
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3925
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3926
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3927
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3928
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3929
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3930
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3931
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3932
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
```

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Episode 3933
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3934
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3935
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3936
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3937
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 3938
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 3939
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3940
  Agent 0 | Total Reward: -21.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3941
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3942
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Episode 3943
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Fnisode 3944
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Episode 3945
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3946
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Episode 3947
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3948
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Episode 3949
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Episode 3950
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3951
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Episode 3952
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 Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 3953
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3954
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3955
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Episode 3956
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Episode 3957
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Episode 3958
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3959
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Episode 3960
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Episode 3962
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Episode 3963
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Episode 3964
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Episode 3965
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Episode 3966
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Episode 3967
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Episode 3969
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Episode 3970
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Frisode 3971
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Episode 3973
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Episode 3977
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3979
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3980
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3981
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3982
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3983
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 3986
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  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 3987
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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Episode 3990
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 3991
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  Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 3993
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 3994
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 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 3995
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Episode 3996
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Episode 3997
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Episode 3998
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Episode 3999
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Episode 4001
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Episode 4002
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4003
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Episode 4004
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Episode 4005
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4006
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Episode 4007
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Episode 4008
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Episode 4009
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Episode 4010
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4011
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Episode 4012
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Episode 4013
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Episode 4014
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4015
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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Episode 4017
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4018
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4019
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4020
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Frisode 4021
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4022
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4023
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4024
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Episode 4025
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4026
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 4027
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4028
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4029
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Episode 4030
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4031
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Episode 4032
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4033
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4034
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4035
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Episode 4036
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4037
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4038
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4039
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Episode 4040
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Episode 4041
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Episode 4042
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4043
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Episode 4044
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Episode 4045
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4046
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4047
 Agent 0 | Total Reward: -17.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4048
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4049
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4050
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4051
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Episode 4052
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4053
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  Agent 1 | Total Reward: -11.50 | Epsilon: 0.100
Fnisode 4054
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 Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 4055
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Episode 4056
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4057
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 4058
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4059
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Episode 4060
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Episode 4061
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4062
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4063
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Episode 4064
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4065
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4066
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4067
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 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4068
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4069
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4070
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4072
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Episode 4073
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4074
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Episode 4075
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Episode 4076
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4077
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Episode 4078
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Episode 4079
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4080
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4081
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4082
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4083
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Episode 4084
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Episode 4085
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 Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 4086
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  Agent 1 | Total Reward: -12.50 | Epsilon: 0.100
Episode 4087
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 Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 4088
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
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Episode 4089
  Agent 0 | Total Reward: -12.50 | Epsilon: 0.100
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Episode 4090
  Agent 0 | Total Reward: -21.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4091
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4092
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4093
 Agent 0 | Total Reward: -18.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4094
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4095
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 4096
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4097
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4098
  Agent 0 | Total Reward: -16.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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Episode 4099
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4100
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4101
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4102
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4103
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Frisode 4104
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4105
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4106
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4107
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4108
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4109
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 4110
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4111
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4112
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4113
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4114
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4115
 Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4116
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4117
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 4118
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4119
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4120
  Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4121
 Agent 0 | Total Reward: -18.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4122
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4123
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4124
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -11.00 | Epsilon: 0.100
Episode 4125
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4126
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
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Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4127
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4128
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4129
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4130
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4131
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4132
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4133
 Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4134
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4135
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4136
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 4137
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4138
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4139
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4140
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 4141
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4142
  Agent 0 | Total Reward: -17.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4143
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -24.00 | Epsilon: 0.100
Episode 4144
  Agent 0 | Total Reward: -17.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4145
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4146
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4147
  Agent 0 | Total Reward: -12.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4148
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4149
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -12.50 | Epsilon: 0.100
Episode 4150
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4151
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4152
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4153
  Agent 0 | Total Reward: -22.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4154
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Agent 0 | Total Reward: -12.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4155
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -5.50 | Epsilon: 0.100
Episode 4156
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4157
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4158
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 4159
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4160
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4161
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4162
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4163
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4164
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4165
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4166
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4167
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4168
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4169
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4170
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4171
 Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4172
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4173
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4174
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 4175
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -19.00 | Epsilon: 0.100
Episode 4176
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4177
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4178
  Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4179
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4180
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4181
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
```

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Episode 4182
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4183
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4184
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4185
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4186
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Frisode 4187
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4188
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4189
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4190
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4191
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4192
  Agent 0 | Total Reward: -7.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 4193
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4194
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4195
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4196
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4197
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 4198
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -19.00 | Epsilon: 0.100
Episode 4199
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4200
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4201
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4202
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4203
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4204
 Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4205
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4206
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4207
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4208
  Agent 0 | Total Reward: -13.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4209
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
```

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Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4210
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100 Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 4211
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -12.00 | Epsilon: 0.100
Episode 4212
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -22.50 | Epsilon: 0.100
Episode 4213
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4214
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4215
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4216
 Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4217
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 4218
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4219
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 4220
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4221
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4222
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 4223
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 4224
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4225
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4226
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4227
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4228
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4229
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4230
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4231
  Agent 0 | Total Reward: -14.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4232
  Agent 0 | Total Reward: -12.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4233
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4234
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4235
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4236
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
```

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Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4238
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4239
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 4240
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 4241
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -17.00 | Epsilon: 0.100
Episode 4242
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -21.00 | Epsilon: 0.100
Episode 4243
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4244
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4245
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4246
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4247
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4248
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4249
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4250
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4251
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4252
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4253
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4254
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4255
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4256
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4257
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4258
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4259
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4260
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4261
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4262
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4263
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4264
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
```

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Episode 4265
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4266
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4267
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4268
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4269
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 4270
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -12.50 | Epsilon: 0.100
Episode 4271
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4272
  Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4273
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4274
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4275
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 4276
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4277
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4278
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4279
 Agent 0 | Total Reward: -13.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4280
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4281
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4282
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -19.00 | Epsilon: 0.100
Episode 4283
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4284
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4285
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4286
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4287
 Agent 0 | Total Reward: -23.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4288
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4289
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4290
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4291
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4292
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
```

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Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4293
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 4294
  Agent 0 | Total Reward: -17.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4295
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4296
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4297
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4298
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4299
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4300
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4301
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Episode 4302
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Fnisode 4303
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4304
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4305
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4306
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 4307
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4308
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Episode 4309
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4310
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4311
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4312
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Episode 4313
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Episode 4314
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4315
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4316
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Episode 4317
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4318
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4319
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4322
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Episode 4323
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4324
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4325
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Episode 4326
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4327
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4328
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4329
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Episode 4330
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4331
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4332
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Episode 4333
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4334
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4335
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4336
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4337
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Episode 4338
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4339
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4340
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4341
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4342
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4343
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4344
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4345
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4346
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4347
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
```

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Episode 4348
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4349
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4350
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4351
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4352
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 4353
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4354
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4355
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4356
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4357
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4358
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 4359
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4360
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4361
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4362
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4363
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4364
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4365
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  Agent 1 | Total Reward: -16.00 | Epsilon: 0.100
Episode 4366
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4367
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4368
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4369
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4370
 Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4371
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
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Episode 4372
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4373
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4374
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4375
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
```

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Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4376
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4377
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4378
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4379
 Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4380
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4381
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4382
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4383
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  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 4384
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4385
  Agent 0 | Total Reward: -11.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 4386
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4387
 Agent 0 | Total Reward: -18.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4388
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4389
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 4390
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4391
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4392
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -11.00 | Epsilon: 0.100
Episode 4393
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4394
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4395
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4396
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4397
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4398
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 4399
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Episode 4400
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Episode 4401
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  Agent 1 | Total Reward: -11.00 | Epsilon: 0.100
Episode 4402
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
```

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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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Episode 4405
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4406
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4407
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Episode 4408
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4409
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Episode 4410
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Episode 4411
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4412
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4413
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Episode 4414
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4415
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Episode 4416
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Episode 4417
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4418
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Episode 4419
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4420
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Episode 4421
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4422
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4423
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Episode 4424
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4425
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4426
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4427
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4428
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4429
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4430
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
```

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Episode 4431
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 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 4432
 Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 4433
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  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 4434
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4435
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 4436
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4437
 Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4438
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -19.00 | Epsilon: 0.100
Episode 4439
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4440
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4441
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 4442
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4443
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4444
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4445
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4446
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4447
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4448
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4449
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4450
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4451
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4452
  Agent 0 | Total Reward: -11.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4453
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4454
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4455
 Agent 0 | Total Reward: -10.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4456
 Agent 0 | Total Reward: -19.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4457
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4458
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
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Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4459
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4460
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4461
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4462
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4463
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 Agent 1 | Total Reward: -5.50 | Epsilon: 0.100
Episode 4464
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4465
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4466
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4467
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4468
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 4469
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4470
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4471
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4472
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Fnisode 4473
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4474
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Episode 4475
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4476
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4477
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4478
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4479
  Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
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Episode 4480
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4481
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  Agent 1 | Total Reward: -12.00 | Epsilon: 0.100
Episode 4482
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Episode 4483
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4484
  Agent 0 | Total Reward: -10.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4485
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  Agent 1 | Total Reward: -19.00 | Epsilon: 0.100
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  Agent 1 | Total Reward: -17.00 | Epsilon: 0.100
Episode 4487
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4488
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Episode 4489
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4490
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Episode 4491
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Episode 4492
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4493
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4494
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Episode 4495
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Episode 4496
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Episode 4497
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Episode 4498
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Episode 4499
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Episode 4500
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4501
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Episode 4502
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Episode 4503
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4504
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  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 4505
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Episode 4506
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Episode 4507
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Episode 4508
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Episode 4509
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Episode 4510
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Episode 4511
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Episode 4512
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  Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 4513
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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Episode 4514
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Episode 4515
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Episode 4516
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Episode 4517
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4518
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Frisode 4519
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4520
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4521
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4522
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Episode 4523
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4524
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 4525
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4526
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Episode 4527
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Episode 4528
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4529
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Episode 4530
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Episode 4531
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Episode 4532
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4533
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Episode 4534
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Episode 4535
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4536
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4537
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4538
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4539
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Episode 4540
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Episode 4541
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Episode 4542
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Episode 4543
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Episode 4544
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4545
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Episode 4546
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Episode 4547
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Episode 4548
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4549
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4550
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Episode 4551
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  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Frisode 4552
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4553
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 4554
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Episode 4555
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Fnisode 4556
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Episode 4557
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Episode 4558
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Episode 4559
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Episode 4560
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Episode 4561
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Episode 4562
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Episode 4563
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Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4564
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Episode 4565
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Episode 4566
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Episode 4567
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Episode 4568
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4571
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Episode 4572
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Episode 4573
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Episode 4574
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 Agent 1 | Total Reward: -11.00 | Epsilon: 0.100
Episode 4575
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 Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 4576
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Episode 4577
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Episode 4578
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 Agent 1 | Total Reward: -20.50 | Epsilon: 0.100
Episode 4579
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Episode 4580
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4581
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Episode 4582
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4583
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4584
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Episode 4585
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Episode 4586
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4587
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  Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 4588
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4589
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4590
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4591
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Episode 4592
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Episode 4593
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 Agent 1 | Total Reward: -11.50 | Epsilon: 0.100
Episode 4594
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4595
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4596
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
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Episode 4597
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Episode 4598
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4599
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 4600
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4601
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Frisode 4602
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Episode 4603
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Episode 4604
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Episode 4605
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 4606
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4607
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 4608
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4609
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Episode 4610
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4611
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4612
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Episode 4613
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Episode 4614
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4615
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4616
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4617
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Episode 4618
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4619
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4620
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4621
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 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4622
 Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4623
  Agent 0 | Total Reward: -16.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4624
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Episode 4625
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4626
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4627
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Episode 4628
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4629
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 Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 4630
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4631
 Agent 0 | Total Reward: -3.00 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4632
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4633
  Agent 0 | Total Reward: -16.00 | Epsilon: 0.100
 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4634
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Frisode 4635
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4636
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Episode 4637
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4638
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Fnisode 4639
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4640
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Episode 4641
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4642
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4643
  Agent 0 | Total Reward: 0.00 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4644
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4645
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4646
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Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4647
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Episode 4649
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Episode 4650
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Episode 4651
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
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Episode 4654
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4655
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Episode 4657
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Episode 4658
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4659
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Episode 4661
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Episode 4667
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  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 4668
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Episode 4669
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Episode 4670
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Episode 4671
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Episode 4672
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Episode 4675
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Episode 4678
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Episode 4679
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Episode 4682
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Episode 4683
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  Agent 1 | Total Reward: -18.00 | Epsilon: 0.100
Episode 4684
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Frisode 4685
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Episode 4686
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Episode 4687
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Episode 4689
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Episode 4690
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Fnisode 4691
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Episode 4692
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Episode 4693
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  Agent 1 | Total Reward: -11.00 | Epsilon: 0.100
Episode 4694
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Episode 4695
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Episode 4696
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Episode 4698
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Episode 4699
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Episode 4700
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4701
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Episode 4702
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Episode 4703
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Episode 4704
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Episode 4705
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Episode 4706
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4707
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Episode 4709
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Episode 4710
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Episode 4711
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Episode 4712
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Episode 4713
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Episode 4714
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Episode 4715
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Fnisode 4718
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Episode 4719
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Episode 4720
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Episode 4723
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Episode 4724
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Episode 4726
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Episode 4727
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Episode 4728
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Episode 4734
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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Episode 4738
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  Agent 1 | Total Reward: -13.00 | Epsilon: 0.100
Episode 4739
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Episode 4740
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Episode 4742
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Episode 4743
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Episode 4752
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Episode 4753
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Episode 4755
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Episode 4756
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Episode 4758
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Episode 4759
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Episode 4760
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Episode 4761
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Episode 4762
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Episode 4764
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4765
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4766
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Episode 4767
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Episode 4769
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4770
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Episode 4771
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4772
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Episode 4773
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Fnisode 4774
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Episode 4775
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Episode 4782
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Episode 4785
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4786
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4787
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 Agent 1 | Total Reward: -4.00 | Epsilon: 0.100
Episode 4788
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Episode 4789
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4790
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4792
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4793
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
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Episode 4795
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Episode 4796
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4797
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Episode 4798
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Episode 4800
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Fnisode 4801
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4802
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Episode 4803
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  Agent 1 | Total Reward: -12.50 | Epsilon: 0.100
Episode 4804
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Fnisode 4805
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Episode 4806
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Episode 4807
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Episode 4808
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  Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 4809
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Episode 4810
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Episode 4811
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4812
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Episode 4813
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4814
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 Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 4815
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 Agent 1 | Total Reward: -20.50 | Epsilon: 0.100
Episode 4816
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Episode 4817
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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Episode 4820
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4821
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4822
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Episode 4823
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Episode 4824
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Episode 4825
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4826
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 Agent 1 | Total Reward: -11.00 | Epsilon: 0.100
Episode 4827
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Episode 4828
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Episode 4834
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Episode 4836
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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Episode 4838
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  Agent 1 | Total Reward: -10.00 | Epsilon: 0.100
Episode 4839
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Episode 4840
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Episode 4841
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4842
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4843
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Episode 4844
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Episode 4845
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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Episode 4847
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Episode 4848
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4849
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4850
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Frisode 4851
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 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4852
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4853
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: -13.50 | Epsilon: 0.100
Episode 4854
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  Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 4855
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Episode 4856
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Fnisode 4857
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4858
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4859
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
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Episode 4862
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Episode 4863
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Episode 4865
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 Agent 1 | Total Reward: -10.50 | Epsilon: 0.100
Episode 4866
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Episode 4867
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Episode 4868
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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Episode 4872
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Episode 4873
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
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Episode 4875
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4876
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4877
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4878
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4879
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Episode 4880
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Episode 4881
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Episode 4882
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Episode 4883
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Fnisode 4884
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Episode 4887
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Fnisode 4888
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Episode 4889
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Episode 4890
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Episode 4891
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Episode 4892
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Episode 4893
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Episode 4894
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Episode 4895
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Episode 4896
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Episode 4897
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Episode 4899
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  Agent 1 | Total Reward: -19.50 | Epsilon: 0.100
Episode 4900
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
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Episode 4904
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Episode 4919
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Episode 4921
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Episode 4922
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Episode 4923
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Episode 4924
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Episode 4925
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 Agent 1 | Total Reward: -11.50 | Epsilon: 0.100
Episode 4926
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Episode 4927
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Episode 4928
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Episode 4930
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Episode 4931
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Episode 4932
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4933
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Frisode 4934
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Episode 4935
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 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
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Episode 4937
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  Agent 1 | Total Reward: -14.50 | Epsilon: 0.100
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Episode 4941
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Episode 4944
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4947
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4949
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Episode 4950
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  Agent 1 | Total Reward: -11.00 | Epsilon: 0.100
Episode 4951
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Episode 4952
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Episode 4953
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Episode 4954
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Episode 4955
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Episode 4956
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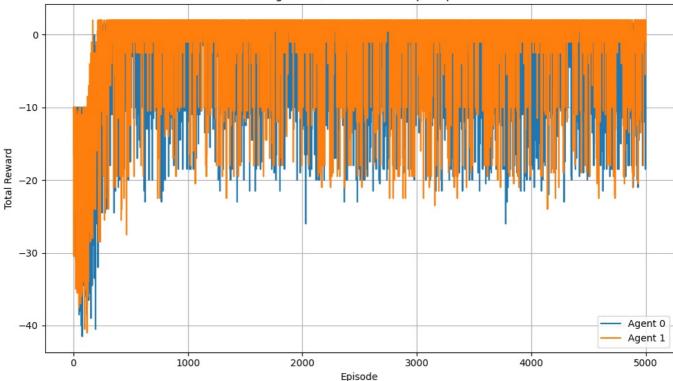
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  Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
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Episode 4961
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Episode 4962
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Episode 4965
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4966
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  Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Fnisode 4967
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Episode 4970
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
Fnisode 4971
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4972
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Episode 4973
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Episode 4974
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Episode 4977
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Episode 4978
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Episode 4979
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Episode 4980
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Episode 4981
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 Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4982
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4983
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Episode 4985
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Episode 4986
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Episode 4987
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4988
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Episode 4989
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4990
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Episode 4991
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Episode 4992
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 Agent 1 | Total Reward: 0.50 | Epsilon: 0.100
Episode 4993
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Episode 4994
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  Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
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  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 4998
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 Agent 1 | Total Reward: -2.50 | Epsilon: 0.100
Episode 4999
  Agent 0 | Total Reward: 1.50 | Epsilon: 0.100
  Agent 1 | Total Reward: 2.00 | Epsilon: 0.100
Episode 5000
  Agent 0 | Total Reward: -1.50 | Epsilon: 0.100
 Agent 1 | Total Reward: -1.00 | Epsilon: 0.100
```

Step 5 : Plot the Rewards per episodes for Multiple Agents

```
In [24]: import matplotlib.pyplot as plt
         def plot rewards(rewards per agent):
             Plot total rewards per episode for multiple agents.
             Input:
                rewards per agent: List of lists where each inner list is the reward history of one agent.
             plt.figure(figsize=(10, 6))
             for i, rewards in enumerate(rewards per agent):
                 plt.plot(rewards, label=f"Agent {i}")
             plt.title("Multi-Agent DQN: Total Reward per Episode")
             plt.xlabel("Episode")
             plt.ylabel("Total Reward")
             plt.legend()
             plt.grid(True)
             plt.tight layout()
             plt.show()
         # Example usage:
         plot rewards(rewards) # where 'rewards' is returned from train multi agent dqn()
```

Multi-Agent DQN: Total Reward per Episode



Note: trained the model again

Interpretation

- 1. The first phase, which includes episodes 0-500:
- Very low and negative rewards—as low as -40 to -50—are given to both agents.
- Shows erratic behaviour and repeated sanctions because of:
 - Invalid behaviour
 - Wandering without completing a task
 - Potential collisions, assuming they are modelled
- 2. Phase of Learning (~500-1500):
- Rewards are clearly on the rise.
- Better navigation techniques are taught to both agents.
- Although there is variability, there are noticeable advancements.
- 3. Stability (about 1500-5000):
- The majority of episodes produce rewards that are nearly zero (and sometimes higher). Goal-reaching behaviour; fewer penalties per episode; and sporadic drops brought on by exploration or more challenging environmental circumstances are some indicators.
- It appears that Agent 1 (orange) performs somewhat better than Agent 0 (more constant higher payouts).

Step 6: Visualizing Multi Trained Agents

```
In [25]:
         import time
         from IPython.display import clear output
         import torch
         import matplotlib.pyplot as plt
         # Define grid display for multiple agents
         def display_multi_agent_grid(positions, goal, obstacles, grid_size=(10, 10)):
             grid =
             for i in range(grid_size[0]):
                 for j in range(grid_size[1]):
                     cell = "o
                      for k, pos in enumerate(positions):
                          if (i, j) == pos:
                              cell = f''\{k\}
                     if (i, j) == goal:
                         cell = "
                     elif (i, j) in obstacles:
                          cell =
                     grid += cell + " "
                 grid += "\n"
             return grid
```

```
# Visualize step-by-step movements of trained agents and print all grid states
        def visualize multi_agent(env, model_list, device, delay=0.5):
            states = env.reset()
            done flags = [False] * env.n agents
            all_paths = [[pos] for pos in states]
            print(" Visualizing trained agents on 10x10 grid...\n")
            while not all(done_flags):
               print(f"Step {step}:")
               grid_snapshot = display_multi_agent_grid(states, env.goal, env.obstacles)
               print(grid snapshot)
               time.sleep(delay)
               actions = []
               for i, state in enumerate(states):
                   if done_flags[i]:
                      actions.append(0)
                   else:
                      with torch.no grad():
                          s_tensor = torch.FloatTensor(state).unsqueeze(0).to(device)
                          action = model_list[i](s_tensor).argmax().item()
                          actions.append(action)
               next_states, _, dones = env.step([env.actions[a] for a in actions])
               for i in range(env.n agents):
                   if not done_flags[i]:
                      all paths[i].append(next states[i])
                   done_flags[i] = done_flags[i] or dones[i]
               states = next_states
               step += 1
            print(f"Final Step {step}:")
            print(display multi agent grid(states, env.goal, env.obstacles))
            for i, path in enumerate(all_paths):
               print(f"\nAgent {i} final path:")
               for step, pos in enumerate(path):
                   print(f" Step {step+1}: {pos}")
In [26]: multi_env = MultiAgentWarehouse(goal=(9, 9), obstacles=[(2, 2), (3, 3)], n_agents=2)
        visualize_multi_agent(multi_env, models, device)
        Visualizing trained agents on 10x10 grid...
       Step 0:
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       Step 1:
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```

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      0 0 0 0
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Step 3:
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Step 10:

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Step	15:				0		
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```
Step 17:
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Final Step 18:
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Agent 0 final path:
 Step 1: (0, 0)
 Step 2: (0, 1)
 Step 3: (0, 2)
 Step 4: (0, 3)
 Step 5: (1, 3)
 Step 6: (2, 3)
 Step 7: (2, 4)
 Step 8: (3, 4)
 Step 9: (4, 4)
 Step 10: (5, 4)
 Step 11: (5, 5)
 Step 12: (6, 5)
 Step 13: (7, 5)
 Step 14: (8, 5)
 Step 15: (8, 6)
 Step 16: (8, 7)
 Step 17: (8, 8)
 Step 18: (8, 9)
 Step 19: (9, 9)
Agent 1 final path:
 Step 1: (0, 1)
 Step 2: (0, 2)
 Step 3: (0, 3)
 Step 4: (0, 4)
 Step 5: (1, 4)
 Step 6: (2, 4)
 Step 7: (3, 4)
 Step 8: (4, 4)
 Step 9: (5, 4)
 Step 10: (6, 4)
 Step 11: (7, 4)
Step 12: (7, 5)
 Step 13: (7, 6)
 Step 14: (8, 6)
 Step 15: (8, 7)
 Step 16: (8, 8)
 Step 17: (8, 9)
 Step 18: (9, 9)
```

Training Performance (Reward per Episode)

Q-Learning (United States)

Training Curve

- The training curve begins with minimal rewards and varies between -30 and -50.
- It progressively gets better until roughly episode 1000, at which point it stabilizes at 0.
- Periodic drops in reward brought on either exploration or less-than-ideal decisions.
 - Interpretation: Through tabular updates, the agent gradually learns the best course of action. Because there is no function approximation, it finally converges but with variations.

Training Curve

- · Has minimal rewards at first, much like Q-learning.
- Acquires knowledge faster and stabilizes rewards close to zero faster.
- Because of stochastic exploration (epsilon-greedy), there are persistent little reward dips.
 - Interpretation: Neural network generalization speeds up convergence and aids in learning a smoother value function.

Multi-Agent DQN

Training Curve for Multi-Agent DQN (two agents):

- The learning behaviours of the two agents are comparable.
- Around episode 1000, rewards for both agents increase and level off at zero.
- · A little noisier because of agent interactions (non-stationarity).
 - Interpretation: DQN performs well in multi-agent training; nevertheless, as agents influence one another's surroundings, there is more unpredictability. Both eventually pick up efficient policies.

Comparison of Path and Movement

Single Agent Q-Learning

- The agent takes a direct, effective route to the objective.
- Movement involves avoiding roadblocks and making steady movement toward the objective.
- There is no going back, which suggests a well-learned policy.

DQN (Single Agent)

- Every action is purposefully and strategically focused toward the objective.
- · Because of neural approximation of future rewards, this approach is marginally superior to Q-learning.

DQN with Multiple Agents

- The two agents move in unison and arrive at the objective without running into each other.
- · Agents occupy distinct rows and columns, indicating learned cooperation, demonstrating coordination.
- Good for decentralized policies; demonstrates that agents know one another.

Comparison

Aspect	Q-Learning (Single Agent)	DQN (Single Agent)	Multi-Agent DQN
Learning Speed	Slower convergence	Faster convergence	Moderate (due to 2 agents)
Reward Stability	High fluctuation	Lower fluctuation	Higher fluctuation (interference)
Path Efficiency	Optimal after learning	More optimal, fewer steps	Coordinated and efficient
Scalability	Not scalable	Scalable via neural network	Handles multiple agents effectively
Cooperation Needed	No	No	Yes – Successfully achieved

Concluding Remarks

- . DQN is obviously superior in terms of convergence speed, efficiency, and scalability
- Q-Learning functions, but its flexibility and generalization are constrained.
- Multi-Agent DQN exhibits great potential since it teaches agents to collaborate, navigate effectively, and avoid collisions—all of which are critical for practical warehouse robotics applications.